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These Latin American Tables of Feed Composition include analyses of feedstuffs from most countries of Latin America. It is a combined effort by the Latin American countries, the University of Florida, Utah State University and the United States Agency for International Development. The object is to record in one publication the information available for a given feed. The tables of feed composition include also appropriate analytical data from the United States and Canada. These data are used for a particular feedstuff when applicable Latin American information (chemical or biological) is not available to make more meaningful tables.

Scientific names have been used as the first component of the names as a feed is identified by the scientific name in Latin America. Common, local and area names are also included in cross references. An international nomenclature is used.

It is hoped this publication will be of assistance to feed manufacturers, research specialists, teachers, students, extension specialists, farmers and others concerned with formulating livestock and poultry diets throughout Latin America. It should also be of value to other throughout the World who are interested in feed composition, especially tropically grown feeds. These feed composition tables should be beneficial for increasing animal production efficiency through the application of improved nutrition. Furthermore. it will aid greatly in identifying and describing feedstuffs for which data are seriously limiting or lacking.

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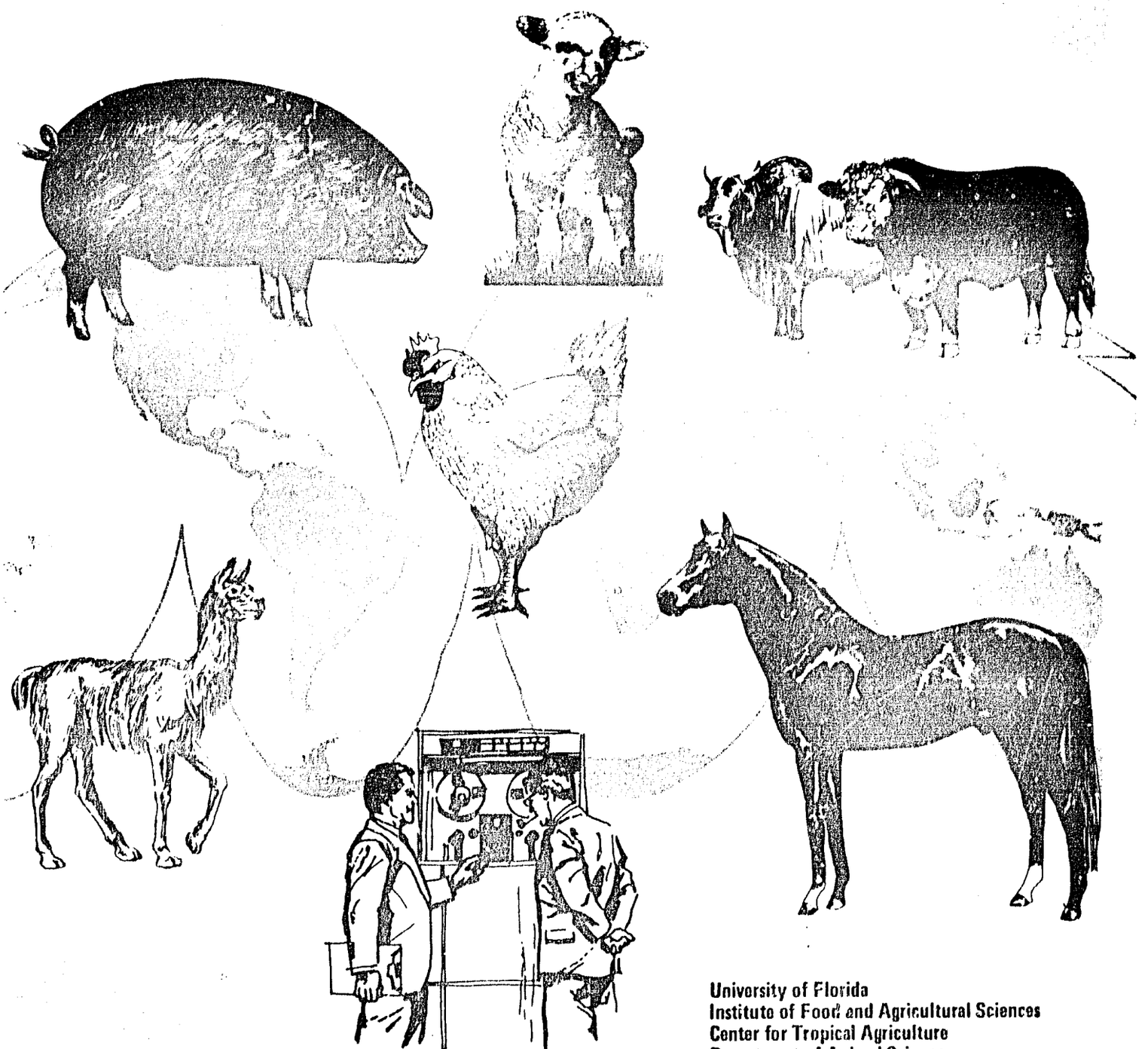

University of Florida
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LATIN AMERICAN TABLES OF FEED COMPOSITION

NUTRITIONAL DATA FOR

Argentina	Costa Rica	Guatemala	Paraguay
Barbados	Dominica	Guyana	Peru
Bolivia	Dominican Republic	Honduras	Puerto Rico
Brazil	Ecuador	Jamaica	Surinam
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1974

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PREFACE

These Latin American Tables of Feed Composition include analyses of feedstuffs from most countries of Latin America. It is a combined effort by the Latin American countries, the University of Florida, Utah State University and the United States Agency for International Development. The object is to record in one publication the information available for a given feed.

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Scientific names have been used as the first component of the names as a feed is identified by the scientific name in Latin America. Common, local and area names are also included in cross references.

An International nomenclature is used.

The first edition of Latin American Tables of Feed Composition was published in June 1972. It was a preliminary copy and represented a limited number of analyses on most feeds. This second edition is based on more than 4 times the number of feed analyses over the previous edition published one year earlier. The first edition was available only in English while the second edition is available also in Spanish and Portuguese.

Both a complete atlas and an abridged edition of the Latin American Feed Tables are available. The abridged edition represents the selected feeds and nutrients most commonly used in Latin American livestock diets, whereas the Atlas edition lists every feed analysis received by the project center for processing.

This publication is the result of a continuing program of collection and recording of feed composition. Therefore, in the future it will be revised and updated periodically as new information is accumulated. The authors hope that the changes in the present edition will be useful and that the tables contain a minimum of errors. We request users of the tables to communicate errors and suggestions for further improvements in later editions.

It is hoped this publication will be of assistance to feed manufacturers, research specialists, teachers, students, extension specialists, farmers and others concerned with formulating livestock and poultry diets throughout Latin America. It should also be of value to others throughout the World who are interested in feed composition, especially tropically grown feeds. These feed composition tables should be beneficial for increasing animal production efficiency through the application of improved nutrition. Furthermore, it will aid greatly in identifying and describing feedstuffs for which data are seriously limiting or lacking.

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The project leaders wish to acknowledge the possibility of unintentional omission of institutions or individual collaborators. Appreciation is also expressed to the many individuals in Universities, Government Institutions, Industrial Companies and other organizations who have contributed toward the success of the Feed Composition Project. For institutions presently in the process of supplying data, the next revision will acknowledge their contributions.

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GUIDE FOR USE OF FEED COMPOSITION TABLES

INTERNATIONAL NOMENCLATURE

The nomenclature of the feeds under which the analytical data are shown is based on a scheme proposed by Harris *et al**, which gives to each feed a unique generic name. These names, called International names, give, to the extent that the information is available, a qualitative description of the feed. A complete International name consists of as many as nine components, written out in linear form, with components separated by commas.

The components are:

- Scientific name (genus and species)
- Variety or kind
- Common name of feed
- Part of plant, animal or feed product
- Process(es) and treatment(s) undergone before fed to animal
- Stage of maturity (as applicable)
- Cutting or crop (as applicable)
- Grade or quality designations
- Classification

Feeds of the same origin (or species, variety or kind if known) have been grouped into eight classes, each of which is designated at the end of the International name by a number in parentheses. This number forms the last term of the name of a feed, and is also the first digit in its six digit International reference number.

*Harris, Lorin E., J. Malcolm Asplund and Earle W. Crampton. 1968. An International feed nomenclature and methods for summarizing and using feed data to calculate diets. Utah Agr. Exp. Sta. Bul. 479.

The numbers and the classes which they designate are:

Code	Class description
(1)	Dry forages and roughages Hay Legume Nonlegume Straw Fodder (aerial part w ears w husks or w heads) Stover (aerial part wo ears wo husks or wo heads) Other products with more than 18 per cent fiber Hulls Shells

This class includes all forages and roughages cut and cured. Forages or roughages are low in net energy per unit weight, usually because of the high fiber content though sometimes because the water content is high. According to the nomenclature, products that in the dry state contain more than 18 per cent crude fiber are classified as forages and roughages. Thus, in addition to forages, such products as oat hulls, peanut hulls, and cottonseed hulls are classified as roughages and are included in this group.

(2) Pasture, range plants, and forages fed green.

Included in this group are all forage feeds not cut and cured. For example: all feeds cut and fed green, or feeds cured on the stem, such as dormant range plants. The term "fresh" is used as a process term for most of these feeds though they may be dry and weathered when consumed.

(3) Silages
Maize
Legume
Grass

(4) Energy feeds
Cereal grains
Low in cellulose
High in cellulose

Mill by-products
  Low in cellulose
  High in cellulose
Fruits
Nuts
Roots

Products with less than 20 per cent protein and less than 18 per cent crude fiber are classified as energy feeds.

(5) Protein supplements
  Animal
  Avian
  Marine
  Milk
  Plant

Products which contain 20 per cent or more of protein.

(6) Mineral supplements

(7) Vitamin supplements

(8) Additives
  Antibiotics
  Coloring material
  Flavors
  Hormones
  Medicants

The guide lines for classification are approximate and there is some overlapping. The feedstuffs have been classified in this manner because each class has certain properties that are considered in balancing diets.

The scientific name comes first in each International name followed by the component terms. The following Table shows how three feeds are named using the nomenclature system presented in tabular form:

Table 1. Examples of International Nomenclature

Components of Name	Feed No. 1	Feed No. 2	Feed No. 3
Genus (of parent material)	*Zea*	*Digitaria*	*Gossypium*
Species	*mays*	*decumbens*	*spp*
Variety or kind	*indentata*	—	—
Common name	corn	pangola-grass	cotton
Part eaten	aerial part	aerial part	seeds w some hulls
Process(es) and treatment(s) to which product has been subjected	ensiled	fresh fertilized	solv extd grnd
Stage of maturity	—	late bloom	—
Cutting or crop	—	cut 1	—
Grade or quality designations	—	—	mn 36% protein
Classification	(3) (silages)	(2) (pasture, range plants, and forages fed green)	(5) (protein supplements)
Reference No.	3-02-912	2-10-388	5-01-632

Thus, the International names of the three feeds are written as follows:

No. 1: *Zea mays*, corn, aerial part, ensiled, (3)
No. 2: *Digitaria decumbens*, pangolagrass, aerial part, fresh fertilized, late bloom, cut 1, (2)
No. 3: *Gossypium spp*, cotton, seeds w some hulls, solv extd grnd, mn 36% protein, (5)

The six digit reference number listed after each name may be used as the "numerical name" of a feed when performing linear programming with electronic computers. Note that the first digit of the reference number of a feed is its classification designation.

Abbreviations have been devised for many of the terms used in the International feed system (Table 2). Stage of maturity terms are given in Table 3. See Table 4 for weight-unit conversion factors and Table 5 for weight equivalents.

LOCATING NAMES IN THE TABLES

To locate in Tables of Feed Composition the International name of a feed, one must know its scientific name. A conversion of common to scientific names is given in Table 9. For feeds of vegetable derivation, the scientific name (Genus, species, variety) of the plant is used.

For feeds of animal derivation, the first and second component in the name is the scientific name (Genus and species of the animal) e.g., *Bos spp*, *Brevoortia tyrannus*, *Equus caballus* or *Gallus domesticus*).

When the specific derivation of the feed is not known, the word "animal", "fish" or "poultry" is used in place of the scientific name.

Many feeds are sold in Latin America from the United States. Such feeds have Association of American Feed Control Officials (AAFCO) names. In addition, some feeds have Latin American regional or local names. These names are in alphabetical order and are cross-referenced to the international names.

ANALYTICAL DATA

The analytical data are expressed in the metric system and are shown on an "as fed" as well as a "dry" basis (see Tables on Feed Composition). In addition to the means calculated for each nutrient, the number of samples and co-efficient of variation (CV) are included. A CV is given for each constituent for which there are four or more analyses. Coefficients of variation are expressed as percentages of the mean and are directly comparable between sets of figures whose means are approximately the same. No CV values are included in the abridged edition.

Values in parenthesis were obtained from United States-Canada feed data in order to provide data otherwise unavailable. Certain values in the Tables of Feed Composition which were not determined experimentally are marked with an asterisk. These values were computed from appropriate equations which are designated by an asterisk in the steps below.

The following are the calculation procedures used in compiling data for the tables of feed composition.

- All data were calculated to a dry matter basis.
- Individual values for each nutrient were totaled and means calculated.
- The mean nitrogen-free extract was calculated with mean data as:

  mean nitrogen-free extract (%) = 100 − % ash − % crude fiber − % ether extract − % protein

  Nitrogen free extract is no longer used as an entity to calculate diets, but until sufficient data are available to replace TDN with the calorie system there is some advantage in having nitrogen-free extract so DE and ME may be calculated from TDN.

- Digestible energy for each animal kind was calculated as:

  DE in kcal/kg = GE (kcal/kg) x GE digestion coefficient

  From the mean digestible energy in kcal/kg or Mcal/kg

  From TDN for cattle and sheep:

  *DE in Mcal/kg = TDN% x 0.04409

  From TDN for horses:

  *DE in Mcal/kg = 0.0365 x TDN% + 0.172

  From TDN for swine:

  *DE in kcal/kg = TDN% x 44.09

- Metabolizable energy for each animal kind was calculated:

  From the average metabolizable energy in kcal/kg or Mcal/kg

  From nitrogen corrected metabolizable energy (ME_n) for chickens and turkeys (Harris)†

  From DE for ruminants and horses as:

  *ME in Mcal/kg = DE (Mcal/kg) x 0.82

  From DE for swine as:

  *ME in kcal/kg = (0.96 − 0.00202 x crude protein %) x DE (kcal/kg)

- Net energy for finishing cattle:

  From the average net energy for NE_m or NE_{gain}

  From Lofgreen and Garrett formula§

  $$*\text{Log } F = 2.2577 - 0.2213 \text{ ME}$$
  $$NE_m = 77/F$$
  $$NE_{gain} = 2.54 - 0.0314 \text{ F}$$

  In the above equations for cattle feeds, ME is the metabolizable energy in Mcal/kg of dry matter.

  F is the grams of dry matter per unit of $W^{0.75}$ required to maintain energy equilibrium.

  The data were converted to:

  NE_m, net energy for maintenance in Mcal/kg dry matter.

  NE_{gain}, net energy for gain in weight in Mcal/kg dry matter.

- Net energy for lactating cows (Moe and Flatt)‡

  *NE (Mcal/kg dry matter) for lactating cows = 0.84 DE (Mcal/kg dry matter) − 0.77

  The values were decreased by 7.0% to compensate for variations in feedstuffs.

- Total digestible nutrients (TDN) for each animal kind were estimated by one of the procedures outlined below:

  From digestion coefficients as:

digestible protein in %	x 1
digestible crude fiber in %	x 1
digestible nitrogen free extract in %	x 1
digestible ether extract in %	x 2.25
TDN in % =	Total

  From average TDN

  *From regression equations (see Table 7)

  From DE for cattle and sheep:

  $$*\text{TDN } \% = \frac{\text{DE in Mcal/kg}}{0.04409}$$

  TDN % is not calculated from DE for swine

  From DE for horses as:

  *TDN % = 20.35 × DE (Mcal/kg) + 8.90

  This formula is only calculated for class 1 feeds

  From ME for cattle and sheep as:

  *TDN % = 27.65 × ME in Mcal/kg

  TDN % for horses and swine are not calculated from ME

When sufficient data are available it is hoped that TDN values can be dropped.

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† National Research Council. 1966. Biological energy interrelationships and glossary of energy terms. 2nd ed. (Prepared by L. E. Harris.) NAS-NRC Pub. 1411. National Academy of Sciences, Washington, D.C.

§Lofgreen, G. P. and W. N. Garrett. 1968. A system for expressing net energy requirements and feed values for growing and finishing beef cattle. J. Animal Sci. 27:793-806.

‡Moe, P. W. and W. P. Flatt. 1969. Net energy value of feedstuffs for lactation. J. Dairy Sci. 52:928.

VITAMIN A STANDARDS

The international standard for vitamin A activity as related to vitamin A and β-carotene are as follows:

One IU of vitamin A = one USP unit
= vitamin A activity of 0.300 μg of crystalline vitamin A alcohol, which corresponds to 0.344 μg of vitamin A acetate or 0.550 μg of vitamin A palmitate

β-carotene is the standard for provitamin A
One IU of vitamin A = 0.6 μg of β-carotene
One mg of β-carotene = 1,667 IU of vitamin A

International standards for vitamin A are based on the utilization of vitamin A and β-carotene by the rat (see Table 8).

Because the various species do not convert carotene to vitamin A in the same ratio as rats, it is suggested that the conversion rates in Table 8 be used.

VARIABILITY IN COMPOSITION OF A FEED

Individual feed samples may vary widely from indicated averages set forth in these tables of feed composition. Variations are influenced by factors such as crop, variety, climate and soil conditions, storage conditions and nutritive level of animals used. Therefore, the values given should be used with judgment, to be related, if possible, to some analyses about the feed on hand. Values may be different in various publications because the data are summarized to date for each publication.

Table 2. Term Abbreviations Used in the International Feed Names

AAFCO	Association of American Feed Control Officials
Can	Canadian
CE	Canadian Eastern
CFA	Canada Feeds Act
CGA	Canada Grain Act
cp	chemically pure
CW	Canadian Western
dehy	dehydrated
extd	extracted
extn	extraction
extn unspecified	extraction unspecified
g	gram(s)
gr	grade
grnd	ground
ICU	International Chick Units
IU	International Units
kcal	kilocalories
kg	kilogram(s)
lb	pound(s)
mech	mechanical
mech extd	mechanical extracted, expeller extracted, hydraulic extracted, or old process
μg	microgram
Mcal	megacalories
mg	milligram
mm	millimeter
mn	minimum
mx	maximum
NRC	National Research Council
ppm	parts per million
s-c	sun-cured
solv extd	solvent extracted
spp	species
US	United States
USP	United States Pharmacopeia
w	with
wo	without
wt	weight

Table 3. Stage of maturity terms used in the International feed names

Preferred term	Definition	Comparable terms
Germinated	Stage in which the embryo in a seed resumes growth after a dormant period.	Sprouted
Early vegetative	Stage at which the plant is vegetative and before the stems elongate.	Fresh new growth Before heading out Before inflorescence emergence Immature Prebud stage Very immature Young
Late vegetative	Stage at which stems are beginning to elongate to just before blooming; first bud to first flowers.	Before bloom Bud stage Budding plants Heading to in bloom Heads just showing Jointing and boot (grasses) Prebloom Preflowering Stems elongated

Table 3. Stage of maturity terms used in the International feed names (continued)

Preferred term	Definition	Comparable terms
Early bloom	Stage between initiation of bloom and stage in which 1/10 of the plants are in bloom; some grass heads are in anthesis.	Early anthesis First flower Headed out In head Up to 1/10 bloom
Mid-bloom	Stage in which 1/10 to ⅔ of the plants are in bloom; most grass heads are in anthesis.	Bloom Flowering Flowering plants Half bloom In bloom Mid anthesis
Full bloom	Stage in which ⅔ or more of the plants are in bloom.	¾ to full bloom Late anthesis
Late bloom	Stage in which blossoms begin to dry and fall and seeds begin to form.	15 days after silking Before milk In bloom to early pod Late to past anthesis
Milk stage	Stage in which seeds are well formed but soft and immature.	After anthesis Early seed Fruiting In tassel Late bloom to early seed Past bloom Pod stage Post anthesis Post bloom Seed developing Seed forming Soft Soft immature
Dough stage	Stage in which the seeds are of dough-like consistency.	Dough stage Nearly mature Seeds dough Seeds well developed Soft dent
Mature	Stage in which plants are normally harvested for seed.	Dent Dough to glazing Fruiting Fruiting plants In seed Kernels ripe Ripe seed
Post ripe	Stage that follows maturity; seeds are ripe and plants have begun to weather (applies mostly to range plants).	Late seed Over ripe Very mature
Stem cured	Stage in which plants are cured on the stem; seeds have been cast and weathering has taken place (applies mostly to range plants).	Dormant Mature and weathered Seeds cast
Regrowth early vegetative	Stage in which regrowth occurs without flowering activity; vegetative crop aftermath; regrowth in stubble (applies primarily to fall regrowth in temperate climates); early dry season regrowth.	Vegetative recovery growth
Regrowth late vegetative	Stage in which stems begin to elongate to just before blooming; first bud to first flowers; regrowth in stubble with stem elongation (applies primarily to fall regrowth in temperate climates).	Recovery growth Stems elongating Jointing and boot (grasses)
For plants that do not bloom[a]:		
1 to 14 days growth	A specified length of time after plants have started to grow.	2 weeks' growth
15 to 28 days' growth	A specified length of time after plants have started to grow.	4 weeks' growth
29 to 42 days' growth	A specified length of time after plants have started to grow.	6 weeks' growth
43 to 56 days' growth	A specified length of time after plants have started to grow.	8 weeks' growth
57 to 70 days' growth	A specified length of time after plants have started to grow.	10 weeks' growth

[a]These classes are for species that remain vegetative for long periods and apply primarily to the tropics. When the name of a feed is developed, the age classes form part of the name (e.g., Alfalfa, aerial part, 15 to 28 days' growth). For plants growing longer than 70 days, the interval is increased by increments of 14 days.

Table 4. Weight-Unit Conversion Factors

Units Given	Units Wanted	For conversion multiply by
lb	g	453.6
lb	kg	0.4536
oz	g	28.35
kg	lb	2.2046
kg	mg	1,000,000.
kg	g	1,000.
g	mg	1,000.
g	μg	1,000,000.
mg	μg	1,000.
mg/g	mg/lb	453.6
mg/kg	mg/lb	0.4536
μg/kg	μg/lb	0.4536
mcal/kg	mcal/lb	0.4536
kcal/kg	kcal/lb	0.4536
kcal/lb	kcal/kg	2.2046
ppm	μg/g	1.
ppm	mg/kg	1.
ppm	mg/lb	0.4536
mg/kg	%	0.0001
ppm	%	0.0001
mg/g	%	0.1
g/kg	%	0.1

Table 5. Weight Equivalents

1 lb = 453.6 g = .4536 kg = 16 oz
1 oz = 28.35 g
1 kg = 1,000 g = 2.2046 lb
1 g = 1,000 mg
1 mg = 1,000 μg = .001 g
1 μg = .001 mg = .000001 g
1 μg per g or 1 mg per kg is the same as ppm

Table 6. Equations Used to Estimate Digestible Protein (Y) From Protein (X) for Five Animal Kinds and Four Feed Classes[a]

Animal kind	Feed class	Regression equation
Cattle	1	Y = 0.866 X - 3.06
Cattle	2	Y = 0.850 X - 2.11
Cattle	3	Y = 0.908 X - 3.77
Cattle	4	Y = 0.918 X - 3.98
Goats	1 and 2	Y = 0.933 X - 3.44
Goats	3	Y = 0.908 X - 3.77
Goats	4	Y = 0.916 X - 2.76
Horses	1 and 2	Y = 0.849 X - 2.47
Horses	3	Y = 0.908 X - 3.77
Horses	4	Y = 0.916 X - 2.76
Rabbits	1 and 2	Y = 0.772 X - 1.33
Sheep	1	Y = 0.897 X - 3.43
Sheep	2	Y = 0.932 X - 3.01
Sheep	3	Y = 0.908 X - 3.77
Sheep	4	Y = 0.916 X - 2.76

[a]Knight, Arlin D. and Lorin E. Harris. 1966. Digestible protein estimation for NRC feed composition tables. J. Anim. Sci. 25(2):593.

Table 7. Regression Equations to Estimate Total Digestible Nutrients†

Animal kind	Feed class	Equation
Cattle	1	%*TDN = 92.464 − 3.338 (CF) − 6.945 (EE) − 0.762 (NFE) + 1.115 (Pr) + 0.031 $(CF)^2$ − 0.133 $(EE)^2$ + 0.036 (CF) (NFE) + 0.207 (EE) (NFE) + 0.100 (EE) (Pr) − 0.022 $(EE)^2$ (Pr)
	2	%*TDN = − 54.572 + 6.769 (CF) − 51.083 (EE) + 1.851 (NFE) − 0.334 (Pr) − 0.049 $(CF)^2$ + 3.384 $(EE)^2$ − 0.086 (CF) (NFE) + 0.687 (EE) (NFE) + 0.942 (EE) (Pr) − 0.112 $(EE)^2$ (Pr)
	3	%*TDN = − 72.943 + 4.675 (CF) − 1.280 (EE) + 1.611 (NFE) + 0.497 (Pr) − 0.044 $(CF)^2$ − 0.760 $(EE)^2$ − 0.039 (CF) (NFE) + 0.087 (EE) (NFE) − 0.152 (EE) (Pr) + 0.074 $(EE)^2$ (Pr)
	4	%*TDN = − 202.686 − 1.357 (CF) + 2.638 (EE) + 3.003 (NFE) + 2.347 (Pr) + 0.046 $(CF)^2$ + 0.647 $(EE)^2$ + 0.041 (CF) (NFE) − 0.081 (EE) (NFE) + 0.553 (EE) (Pr) − 0.046 $(EE)^2$ (Pr)
	5	%*TDN = − 133.726 − 0.254 (CF) + 19.593 (EE) + 2.784 (NFE) + 2.315 (Pr) + 0.028 $(CF)^2$ − 0.341 $(EE)^2$ − 0.008 (CF) (NFE) − 0.215 (EE) (NFE) − 0.193 (EE) (Pr) + 0.004 $(EE)^2$ (Pr)
Horses	1	%*TDN = 52.476 + 0.189 (CF) + 3.010 (EE) − 0.723 (NFE) + 1.590 (Pr) − 0.013 $(CF)^2$ + 0.564 $(EE)^2$ + 0.006 (CF) (NFE) + 0.114 (EE) (NFE) − 0.302 (EE) (Pr) − 0.106 $(EE)^2$ (Pr)
Sheep	1	%*TDN = 37.937 − 1.018 (CF) − 4.886 (EE) + 0.173 (NFE) + 1.042 (Pr) + 0.015 $(CF)^2$ − 0.058 $(EE)^2$ + 0.008 (CF) (NFE) + 0.119 (EE) (NFE) + 0.038 (EE) (Pr) + 0.003 $(EE)^2$ (Pr)
	2	%*TDN = − 26.685 + 1.334 (CF) + 6.598 (EE) + 1.423 (NFE) + 0.967 (Pr) − 0.002 $(CF)^2$ − 0.670 $(EE)^2$ − 0.024 (CF) (NFE) − 0.055 (EE) (NFE) − 0.146 (EE) (Pr) + 0.039 $(EE)^2$ (Pr)
	3	%*TDN = − 17.950 − 1.285 (CF) + 15.704 (EE) + 1.009 (NFE) + 2.371 (Pr) + 0.017 $(CF)^2$ − 1.023 $(EE)^2$ + 0.012 (CF) (NFE) − 0.096 (EE) (NFE) − 0.550 (EE) (Pr) + 0.051 $(EE)^2$ (Pr)
	4	%*TDN = 22.822 − 1.440 (CF) − 2.875 (EE) + 0.655 (NFE) + 0.863 (Pr) + 0.020 $(CF)^2$ − 0.078 $(EE)^2$ + 0.018 (CF) (NFE) + 0.045 (EE) (NFE) − 0.085 (EE) (Pr) + 0.020 $(EE)^2$ (Pr)
	5	%*TDN = − 54.820 + 1.951 (CF) + 0.601 (EE) + 1.602 (NFE) + 1.324 (Pr) − 0.027 $(CF)^2$ + 0.032 $(EE)^2$ − 0.021 (CF) (NFE) + 0.018 (EE) (NFE) + 0.035 (EE) (Pr) − 0.0008 $(EE)^2$ (Pr)
Swine	4	%*TDN = 8.792 − 4.464 (CF) + 4.243 (EE) + 0.866 (NFE) + 0.336 (Pr) + 0.0005 $(CF)^2$ + 0.122 $(EE)^2$ + 0.063 (CF) (NFE) − 0.073 (EE) (NFE) + 0.182 (EE) (Pr) − 0.011 $(EE)^2$ (Pr)

†In the equation CF = crude fiber, EE = ether extract, NFE = nitrogen free extract, Pr = protein.

Table 8. Conversion of β Carotene to Vitamin A for Different Species[a]

Species	Conversion mg β-Carotene to IU of Vitamin A mg IU	IU of Vitamin A Activity (calculated from carotene) %
Standard	1 = 1,667	100.0
Beef cattle	1 = 400	24.0
Dairy cattle	1 = 400	24.0
Sheep	1 = 400-500	24.0-30.0
Swine	1 = 500	30.0
Horses		
Growth	1 = 555	33.3
Pregnancy	1 = 333	20.0
Poultry	1 = 1,667	100.0
Dogs	1 = 833	50.0
Rats	1 = 1,667	100.0
Foxes	1 = 278	16.7
Cats	Carotene not utilized	
Mink	Carotene not utilized	
Men	1 = 556	33.0

[a]Beeson, W. M. 1965. Relative potencies of vitamin A and carotene for animals. Federation Proc. 24:924-926.

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES

COMMON NAME	SCIENTIFIC NAME
ACACIA, KNIFE	ACACIA CULTRIFORMIS
ACACIA, SWEET	ACACIA FARNESIANA
ACACIA, WRIGHT	ACACIA WRIGHTI
ACROCOMIA, MUCAJA	ACROCOMIA SCLEROCARPA
AGAVE, CENTURYPLANT	AGAVE AMERICANA
AGAVE, HENEQUEN	AGAVE FOURCROYDES
AGERATUM, TROPIC	AGERATUM CONYZOIDES
ALFALFA	MEDICAGO SATIVA
ALFILERIA	ERODIUM CICUTARIUM
ALKALI SACATON	SPOROBOLUS AIROIDES
ALMOND	PRUNUS AMYGDALUS
ALTERNANTHERA, RABBITMEAT	ALTERNANTHERA FICOIDEA
ALUMBARKTREE, BARBATIMAO	STRYPHNODENDRON BARBATIMAN
AMARANTH, DUBIENS	AMARANTHUS DUBIENS
AMARANTH, LOVE-LIES-BLEEDING	AMARANTHUS CAUDATUS
AMARANTH, REDROOT	AMARANTHUS RETROFLEXUS
AMARANTH, SLIM	AMARANTHUS HYBRIDUS
AMARANTH, SPINY	AMARANTHUS SPINOSUS
AMARANTH, VIRIDIS	AMARANTHUS VIRIDIS
ANACAHUITA	CORDIA BOISSIERI
ANATTOTREE	BIXA ORELLANA
ANCHOVY, RINGEN	ENGRAULIS RINGEN
APPLE, SYLVESTRIS	MALUS SYLVESTRIS
APRICOTS	PRUNUS ARMENIACA
ARRACACIA, APIO	ARRACACIA XANTHORRHIZA
ARROWROOT, BERMUDA	MARANTA ARUNDINACEA
ASPARAGUS	ASPARAGUS OFFICINALIS
AVOCADO, AMERICAN	PERSEA AMERICANA
BABASSU, MARTIUS	ORBIGNYA MARTIANA
BAHIAGRASS	PASPALUM NOTATUM
BALSAMSCALE, PANAMERICAN	ELYONURUS TRIPSACOIDES
BAMBOO, BUDDHA	BAMBUSA VENTRICOSA
BAMBOO, COMMON	BAMBUSA VULGARIS
BANANA, ACCUMINATA	MUSA ACCUMINATA
BANANA, COMMON	MUSA PARADISIACA SAPIENTUM
BARLEY	HORDEUM VULGARE
BARLEY, LEPORINUM	HORDEUM LEPORINUM
BARLEY, MUTICUM	HORDEUM MUTICUM
BARLEY, 2-ROW	HORDEUM DISTICHON
BAUHINIA, BELL	BAUHINIA FORFICATA
BEAN, ATROPURPUREUS	PHASEOLUS ATROPURPUREUS
BEAN, KIDNEY	PHASEOLUS VULGARIS
BEAN, LATHYROIDES	PHASEOLUS LATHYROIDES
BEAN, PANDURATUS	PHASEOLUS PANDURATUS
BEET, COMMON	BETA VULGARIS
BEET, SUGAR	BETA SACCHARIFERA
BENTGRASS, BREVICULMIS	AGROSTIS BREVICULMIS
BENTGRASS, COLONIAL	AGROSTIS TENUIS
BENTGRASS, STOLONIFERA	AGROSTIS STOLONIFERA
BERMUDAGRASS	CYNODON DACTYLON
BLADDERPOD	LESQUERELLA SPP
BLUEGRASS, ANNUAL	POA ANNUA
BLUEGRASS, CANDAMOANA	POA CANDAMOANA
BLUEGRASS, KENTUCKY	POA PRATENSIS
BLUEGRASS, LANUGINOSA	POA LANUGINOSA
BLUEGRASS, PINNATA	POA PINNATA
BLUESTEM, ANGLETON	ANDROPOGON NODOSUS
BLUESTEM, ANGUSTALUS	ANDROPOGON ANGUSTALUS

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
BLUESTEM, AUSTRALIAN	ANDROPOGON INTERMEDIUS
BLUESTEM, BICORNIS	ANDROPOGON BICORNIS
BLUESTEM, BREVIFOLIUS	ANDROPOGON BREVIFOLIUS
BLUESTEM, CONDENSATUS	ANDROPOGON CONDENSATUS
BLUESTEM, EASTINDIES	ANDROPOGON ISCHAEMUM
BLUESTEM, FINO	ANDROPOGON FINO
BLUESTEM, GAYANUS	ANDROPOGON GAYANUS
BLUESTEM, HIRTIFLORUS	ANDROPOGON HIRTIFLORUS
BLUESTEM, LEUCOSTACHYUS	ANDROPOGON LEUCOSTACHYUS
BLUESTEM, MEDIUM	ANDROPOGON MEDIUM
BLUESTEM, RUFUS	ANDROPOGON RUFUS
BLUESTEM, SELLOANUS	ANDROPOGON SELLOANUS
BLUESTEM, SEMIBERBIS	ANDROPOGON SEMIBERBIS
BLUESTEM, SILVER	ANDROPOGON SACCHAROIDES
BLUESTEM, SQUARROSUS	ANDROPOGON SQUARROSUS
BLUESTEM, TEXAS	ANDROPOGON CIRRATUS
BLUESTEM, VIRGATUS	ANDROPOGON VIRGATUS
BOXWOOD, CUNEIFOLIA	SCHAEFFERIA CUNEIFOLIA
BRAZILNUT	BERTHOLLETIA EXCELSA
BREADFRUIT	ARTOCARPUS ALTILIS
BRISTLEGRASS, ARGENTINA	SETARIA ARGENTINA
BRISTLEGRASS, KNOTROOT	SETARIA GENICULATA
BRISTLEGRASS, LEIANTHA	SETARIA LEIANTHA
BRISTLEGRASS, LEUCAPILA	SETARIA LEUCAPILA
BRISTLEGRASS, NUNDI	SETARIA NUNDI
BRISTLEGRASS, PLAINS	SETARIA MACROSTACHYA
BRISTLEGRASS, SCANDENS	SETARIA SCANDENS
BRISTLEGRASS, SPHACELATA	SETARIA SPHACELATA
BRISTLEGRASS, SPLENDIDA	SETARIA SPLENDIDA
BROADBEAN	VICIA FABA
BROME, AULETICUS	BROMUS AULETICUS
BROME, LANATUS	BROMUS LANATUS
BROME, RESCUE	BROMUS CATHARTICUS
BROME, SMOOTH	BROMUS INERMIS
BUCKWHEAT, TARTARY	FAGOPYRUM, TATARICUM
BUFFALOGRASS	BUCHLOE DACTYLOIDES
BUFFELGRASS	PENNISETUM CILIARE
BULRUSH, CONGLOMERATUS	SCIRPUS CONGLOMERATUS
BULRUSH, MICROCEPHALUS	SCIRPUS MICROCEPHALUS
BULRUSH, RIGIDUS	SCIRPUS RIGIDUS
BUMELIA, WOOLLYBUCKET	BUMELIA LANUGINOSA
BUNDLEFLOWER, RAYADO	DESMANTHUS VIRGATUS
BURCLOVER, CALIFORNIA	MEDICAGO HISPIDA
BURROGRASS	SCLEROPOGON BREVIFOLIUS
BUTIAPALM, BRAZILIAN	BUTIA CAPITATA
BUTTERCUP, WATERCROWFOOT, HAIRLEAF	RANUNCULUS AQUATILIS CAPILLACEUS
BUTTERFLYPEA, PLUMIERI	CENTROSEMA PLUMIERI
BUTTERFLYPEA, PUBESCENS	CENTROSEMA PUBESCENS
CABBAGE	BRASSICA OLERACEA CAPITATA
CABBAGE, WILD	BRASSICA OLERACEA
CACAO	THEOBROMA CACAO
CALABASHTREE, COMMON	CRESCENTIA CUJETE
CALABASHTREE, CROSSLEAF	CRESCENTIA ALATA
CALENDULA, POTMARIGOLD	CALENDULA OFFICINALIS
CANARYGRASS	PHALARIS CANARIENSIS
CANARYGRASS, BULB	PHALARIS TUBEROSA
CANARYGRASS, BULBOSA	PHALARIS BULBOSA
CANARYGRASS, COERULESCENS	PHALARIS COERULESCENS

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
CANARYGRASS, HIBRIDA	PHALARIS HIBRIDA
CANARYGRASS, REED	PHALARIS ARUNDINACEA
CANE, CONFINIS	ARUNDINARIA CONFINIS
CAPER, DOG	CAPPARIS FLEXUOSA
CARNAUBAPALM	COPERNICIA CERIFERA
CAROB BEAN	CERATONIA SILIQUA
CARPETGRASS	AXONOPUS SPP
CARROT, WILD	DAUCUS CAROTA
CASHEW, COMMON	ANACARDIUM OCCIDENTALE
CASSAVA, COMMON	MANIHOT ESCULENTA
CASTELA, ALLTHORN	CASTELA TEXANA
CASTORBEAN	RICINUS COMMUNIS
CATALINAGRASS	DISSANTHELIUM SPP
CATTAIL	TYPHA SPP
CATTLE	BOS TAURUS
CAULIFLOWER	BRASSICA OLERACEA BOTRYIS
CELERY, GARDEN	APIUM GRAVEOLENS DULCE
CELERY, WILD	APIUM GRAVEOLENS
CEREUS, MANDACARU	CEREUS JAMACARU
CEYLONMOSS	GRACILARIA SPP
CHAWSTICK, LATIFOLIA	GOUANIA LATIFOLIA
CHERIMOYA	ANNONA CHERIMOLA
CHESTNUT	CASTANEA SPP
CHICKEN	GALLUS DOMESTICUS
CHICKPEA, GRAM	CICER ARIETINUM
CHLORIS, FRINGED	CHLORIS CILIATA
CHLORIS, MANYSPIKED	CHLORIS POLYDACTYLA
CHOCOLATETREE	THEOBROMA SPP
CITRONELLAGRASS	CYMBOPOGON NARDUS
CITRUS, GRAPEFRUIT	CITRUS PARADISI
CITRUS, LEMON	CITRUS LIMON
CITRUS, LIME	CITRUS AURANTIFOLIA
CITRUS, ORANGE	CITRUS SINENSIS
CITRUS, ORANGE, MANDARIN	CITRUS RETICULATA
CITRUS, SOUR ORANGE	CITRUS AURANTIUM
CITRUS, TANGERINE	CITRUS RETICULATA
CLOVER, ALSIKE	TRIFOLIUM HYBRIDUM
CLOVER, CRIMSON	TRIFOLIUM INCARNATUM
CLOVER, LADINO	TRIFOLIUM REPENS
CLOVER, RED	TRIFOLIUM PRATENSE
CLOVER, STRAWBERRY	TRIFOLIUM FRAGIFERUM
CLOVER, WHITE	TRIFOLIUM REPENS
CLUSTERPEA, VIRGATUS	DIOCLEA VIRGATUS
COCKSPUR, AFRICAN WONDER	ECHINOCHLOA POLYSTACHYA
COCKSPUR, GULF	ECHINOCHLOA CRUSPAVONIS
COCKSPUR, SPECTABILIS	ECHINOCHLOA SPECTABILIS
COCONUT	COCOS NUCIFERA
COFFEE, ARABIAN	COFFEA ARABICA
COMFREY, PERIGRIUM	SYMPHYTUM PERIGRIUM
CONDALIA, KNIFELEAF	CONDALIA SPATHULATA
CORALBEAN, COMMON	ERYTHRINA CORALLODENDRUM
CORALBEAN, MICROPTERYX	ERYTHRINA MICROPTERYX
CORN	ZEA MAYS
CORN, DENT	ZEA MAYS INDENTATA
CORN, FLINT	ZEA MAYS INDURATA
CORN, OPAQUE 2	ZEA MAYS
CORN, WHITE	ZEA MAYS
COTTON, LEVANT	GOSSYPIUM HERBACEUM

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
COTTON, SEAISLAND	GOSSYPIUM BARBADENSE
COTTON, UPLAND	GOSSYPIUM HIRSUTUM
COURBARIL	HYMENAEA COURBARIL
COWPEA, COMMON	VIGNA SINENSIS
CRAB	CALLINECTES SAPIDUS CANCER SPP PARALITHODES CAMSCHATICA
CRABGRASS	DIGITARIA SPP
CREOSOTEBUSH, COVILLE	LARREA TRIDENTATA
CRINKLELAWN	TRACHYPOGON SPP
CRINKLELAWN, VESTITUS	TRACHYPOGON VESTITUS
CROTALARIA, SHACKSHACK	CROTALARIA INCANA
CROTALARIA, SLENDERLEAF	CROTALARIA INTERMEDIA
CROTALARIA, SUNN	CROTALARIA JUNCEA
CROWFOOTGRASS, DURBAN	DACTYLOCTENIUM AEGYPTIUM
CUCUMBER	CUCUMIS SATIVUS
CUPGRASS, CARIB	ERIOCHLOA POLYSTACHYA
CUPGRASS, LOUISIANA	ERIOCHLOA PUNCTATA
CUTGRASS, CLUBHEAD	LEERSIA HEXANDRA
DALLISGRASS	PASPALUM DILATATUM
DANDELION, COMMON	TARAXACUM OFFICINALE
DASHEEN	COLOCASIA ESCULENTA
DAYFLOWER, CREEPING	COMMELINA NUDIFLORA
DAYFLOWER, VIRGINIA	COMMELINA VIRGINICA
DEERVETCH, BIRDSFOOT	LOTUS CORNICULATUS
DEERVETCH, QUIMEY	LOTUS QUIMEY
DEVILSCLAW, ALTHEAEFOLIA	PROBOSCIDEA ALTHEAEFOLIA
DIVIDIVI	CAESALPINIA CORIARIA
DOGWEED, MICROPOIDES	DYSSODIA MICROPOIDES
DOLICHOS, HYACINTH	DOLICHOS LABLAB
DROPSEED, RIGENS	SPOROBOLUS RIGENS
DROPSEED, SUBINCLUSUS	SPOROBOLUS SUBINCLUSUS
DROPSEED, WHORLED	SPOROBOLUS PYRAMIDATUS
EARPODTREE, GUANACASTE	ENTEROLOBIUM CYCLOCARPUM
EGG PLANT	SOLANUM MELONGENA
EUPATORIUM, CHRISTMASBUSH	EUPATORIUM ODORATUM
EUTERPEPALM, PRECATORIA	EUTERPE PRECATORIA
FESCUE, ALTA	FESTUCA ARUNDINACEA
FESCUE, DOLICHOPHYLLA	FESTUCA DOLICHOPHYLLA
FESCUE, FOXTAIL	FESTUCA MEGALURA
FESCUE, MEADOW	FESTUCA ELATIOR
FESCUE, ORTOPHILLA	FESTUCA ORTHOPHILLA
FESCUE, REED	FESTUCA ELATIOR ARUNDINACEA
FESCUE, SHEEP	FESTUCA OVINA
FIG, COMMON	FICUS CARICA
FINGERGRASS, PENTZ	DIGITARIA PENTZI
FINGERGRASS, SWAZILAND	DIGITARIA SWAZILANDENSIS
FINGERGRASS, WOOLLY	DIGITARIA ERIANTHA
FISH, ANCHOVY	ENGRAULIS SPP
FISH, CARP	CYPINUS CARPIO
FISH, MENHADEN	BREVOORTIA TYRANNUS
FISH, SALMON	ONCORHYNCHUS SPP SALMO SPP
FISH, SARDINE	CLUPEA SPP SARDINOPS SPP
FISH, SHARK	SELACHII (ORDER)
FLAMBOYANTTREE	DELONIX REGIA
FLATSEDGE, FLAVESCENS	CYPERUS FLAVESCENS
FLATSEDGE, LUZULAS	CYPERUS LUZULAS
FLAX, COMMON	LINUM USITATISSIMUM

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
GALANGAL, SHELLFLOWER	ALPINIA SPECIOSA
GAMAGRASS, FASCICULATUM	TRIPSACUM FASCICULATUM
GAMAGRASS, GUATEMALA	TRIPSACUM LAXUM
GARLIC	ALLIUM SATIVUM
GLOBEAMARANTH, MARTIANA	GOMPHRENA MARTIANA
GLOBEMALLOW, BONARIENSIS	SPHAERALCEA BONARIENSIS
GLORYBIND, BATATAS	CONVOLVULUS BATATAS
GOOSEFOOT, QUINOA	CHENOPODIUM QUINOA
GOOSEGRASS	ELEUSINE INDICA
GRAMA, AMERICAN	BOUTELOUA AMERICANA
GRAMA, CHASEI	BOUTELOUA CHASEI
GRAMA, RED	BOUTELOUA TRIFIDA
GRAMA, SLENDER	BOUTELOUA FILIFORMIS
GRANADILLA, SWEET	PASSIFLORA LIGULARIS
GRAPE, EUROPEAN	VITIS VINIFERA
GUAVA, COMMON	PSIDIUM GUAJAVA
GUIANAORANGE, BAKURI	PLATONIA INSIGNIS
GUINEAGRASS	PANICUM MAXIMUM
GUMTREE, PANAMA	CASTILLA ELASTICA
HACKBERRY, SPINOSA	CELTIS SPINOSA
HARDINGGRASS	PHALARIS TUBEROSA STENOPTERA
HELIOTROPE, ANGIOSPERMUM	HELIOTROPIUM ANGIOSPERMUM
HIBISCUS, CHINESE	HIBISCUS ROSA-SINENSIS
HIBISCUS, KENAF	HIBISCUS CAMNABINUS
HONDURAS	IXOPHORUS UNISETUS
HOP, COMMON	HUMULUS LUPULUS
HORSE	EQUUS CABALLUS
HORSEBEAN	VICIA FABA EQUINA
HUAJILLO	ACACIA BERLANDIERI
INDIANWHEAT, PATAGONIA	PLANTAGO PATOGONICA
INDIGO	INDIGOFERA SPP
ITCHGRASS	ROTTBOELLIA EXALTATA
IXBUT	EUPHORBIA LANCIFOLIA
JACKBEAN, COMMON	CANAVALIA ENSIFORMIS
JARAGUA	HYPARRHENIA RUFA
JICAMA	CALOPOGONIUM CAERULEUM
JOBSTEARS	COIX LACRYMAJOBI
JOBSTEARS, EDULIS	COIX EDULIS
JOINTVETCH, AMERICAN	AESCHYNOMENE AMERICANA
JOINTVETCH, FALCATA	AESCHYNOMENE FALCATA
JUNGLEPLUM, TEMPISQUE	SIDEROXYLON TEMPISQUE
JUNGLERICE	ECHINOCHLOA COLONUM
KIKUYUGRASS	PENNISETUM CLANDESTINUM
KNOTGRASS	PASPALUM DISTICHUM
KUDZU, THUNBERG	PUERARIA THUNBERGIANA
KUDZU, TROPICAL	PUERARIA PHASEOLOIDES
KUDZUBEAN, JAVANICA	PUERARIA JAVANICA
LADYSMANTLE, PINNATA	ALCHEMILLA PINNATA
LANTANNA, COMMON	LANTANA CAMARA
LAUREL, PERSEA	LAURUS PERSEA
LEADTREE, LEUCOCEPHALA	LEUCAENA LEUCOCEPHALA
LEADTREE, WHITEPOPINAC	LEUCAENA GLAUCA
LEAFCUP, SONCHIFOLIA	POLYMNIA SONCHIFOLIA
LEEK	ALLIUM PORRUM
LETTUCE	LACTUCA SATIVA
LOBSTER	HOMARUS AMERICANUS
LOCO	ASTRAGALUS SPP

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
LOVEGRASS, BOER	ERAGROSTIS CHLOROMELAS
LOVEGRASS, GOPHERTAIL	ERAGROSTIS CILIARIS
LOVEGRASS, MOURNING	ERAGROSTIS LUGENS
LOVEGRASS, SUPERBA	ERAGROSTIS SUPERBA
LOVEGRASS, WEEPING	ERAGROSTIS CURVULA
LUPINE, SOUTH AMERICAN	LUPINUS MUTABILIS
LUPINE, SWEET	LUPINUS ALBUS
LUPINE, YELLOW	LUPINUS LUTEUS
MALABARGOURD	CUCURBITA FICIFOLIA
MALANGA, PRIMROSE	XANTHOSOMA VIOLACEUM
MALANGA, YAUTIA	XANTHOSOMA SAGITTAEFOLIUM
MANGO, COMMON	MANGIFERA INDICA
MAURITIA, WINE	MAURITIA VINIFERA
MEDIC	MEDICAGO SPP
MELONS, PIE	CUCURBITA SPP
MESQUITE, COMMON	PROSOPIS CHILENSIS
MESQUITE, HONEY	PROSOPIS GLANDULOSA
MILKPEA, GLAUCESCENS	GALACTIA GLAUCESCENS
MILKPEA, JUSSIEVANA	GALACTIA JUSSIEVANNA
MILKPEA, STRIATA	GALACTIA STRIATA
MILKVETCH	ASTRAGALUS SPP
MILLET, FOXTAIL	SETARIA ITALICA
MINT	MENTHA SPP
MOLASSESGRASS	MELINIS MINUTIFLORA
MORNINGGLORY, PENTAPHYLLA	IPOMOEA PENTAPHYLLA
MORNINGGLORY, SAGITTATA	IPOMOEA SAGITTATA
MUCUNA, COWAGE	MUCUNA URENS
MUHLY, ANGUSTATA	MUHLENBERGIA ANGUSTATA
MUHLY, ERECTIFOLIA	MUHLENBERGIA ERECTIFOLIA
MUHLY, FASTIGIATA	MUHLENBERGIA FASTIGIATA
MUHLY, LIGULARIS	MUHLENBERGIA LIGULARIS
MUHLY, PERUVIAN	MUHLENBERGIA PERUVIANA
MUHLY, PURPLE	MUHLENBERGIA RIGIDA
MUHLY, PURPUSI	MUHLENBERGIA PURPUSI
MUHLY, RED	MUHLENBERGIA REPENS
MULBERRY, WHITE	MORUS ALBA
MUSKMELON	CUCUMIS MELO
MUSTARD, BLACK	BRASSICA NIGRA
NAPIERGRASS	PENNISETUM PURPUREUM
NATALGRASS	TRICHOLAENA REPENS
NEEDLEGRASS	STIPA SPP
NIGHTSHADE, ANDIGENUM	SOLANUM ANDIGENUM
NIGHTSHADE, SILVERLEAF	SOLANUM ELAEAGNIFOLIUM
NIGHTSHADE, SISYMBRIFOLIUM	SOLANUM SISYMBRIFOLIUM
OAK	QUERCUS, SPP
OATS, ELATIOR	AVENA ELATIOR
OATS	AVENA SATIVA
OILPALM, AFRICAN	ELAEIS GUINEENSIS
OLIVES	OLEA, EUROPAEA
ONION, GARDEN	ALLIUM CEPA
ORCHARDGRASS	DACTYLIS GLOMERATA
OXALIS, OKA	OXALIS CRENATA
OYSTERS	CRASSOSTREA SPP OSTREA SPP
PALM, COHUNE	ORBIGNYA COHUNE
PALMGRASS, POIRET	SETARIA POIRETIANA
PALOVERDE, BORDER	CERCIDIUM MACRUM
PANGOLAGRASS	DIGITARIA DECUMBENS
PANICUM, BLUE	PANICUM ANTIDOTALE

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
PANICUM, BROWNTOP	PANICUM FASCICULATUM
PANICUM, HALLS	PANICUM HALLII
PANICUM, TORPEDO	PANICUM REPENS
PAPAYA	CARICA PAPAYA
PARAGRASS	PANICUM PURPURASCENS
PARSLEY, CURLY GARDEN	PETROSELINUM CRISPUM
PASPALUM	PASPALUM SPP
PASPALUM, SOUR	PASPALUM CONJUGATUM
PASSIONFLOWER, SOFTLEAF	PASSIFLORA MOLLISSIMA
PEA, GARDEN	PISUM SATIVUM
PEACHES	PRUNUS PERSICA
PEACHPALM	GUILIELMA GASIPAES
PEANUT	ARACHIS HYPOGAEA
PEAR, COMMON	PYRUS COMMUNIS
PEARLMILLET	PENNISETUM GLAUCUM
PEAVINE	LATHYRUS SPP
PENCILFLOWER, GRACILIS	STYLOSANTHES GRACILIS
PENNISETUM, MEXICAN	PENNISETUM MEXICANUM
PIGEONPEA	CAJANUS CAJAN
PIGEONWINGS, ASIAN	CLITORIA TERNATEA
PINEAPPLE	ANANAS COMOSUS
PIPTADENIA, LONGPOD	PIPTADENIA MACROCARPA
PLANETREE, ORIENTAL	PLATANUS ORIENTALIS
PLANTAIN	PLANTAGO SPP
PLUM, GARDEN	PRUNUS DOMESTICA
POLYPODY, LEPIDOPTERIS	POLYPODIUM LEPIDOPTERIS
PORLIERIA, TEXAS	PROLIERIA AUGUSTIFOLIA
POTATO	SOLANUM TUBEROSUM
PRICKLYPEAR, COMMON	OPUNTIA VULGARIS
PUMMELO	CITRUS GRANDIS
PUMPKINS	CUCURBITA PEPO
PUMPWOOD, FERREYRAE	CECROPIA FERREYRAE
QUAKINGGRASS, SUBAUSTATA	BRIZA SUBAUSTATA
QUINCE, COMMON	CYDONIA OBLONGA
RADISH, GARDEN	RAPHANUS SATIVUS
RAMIE	BOEHMERIA NIVEA
RAPE, ARGENTINE	BRASSICA NAPUS
RAPE, POLISH	BRASSICA CAMPESTRIS
RAPE, WINTER	BRASSICA NAPUS
REDPEPPER, BUSH	CAPSICUM FRUTESCENS
REDPEPPER, EXIMIUM	CAPSICUM EXIMIUM
REDTOP	AGROSTIS ALBA
REEDGRASS	CALAMAGROSTIS SPP
RHODESGRASS	CHLORIS GAYANA
RICE	ORYZA SATIVA
RICEGRASS, HOLCIFORMIS	ORYZOPSIS HOLCIFORMIS
RICEGRASS, NAPOSTAENSE	PIPTOCHAETIUM NAPOSTAENSE
ROSELLE	HIBISCUS SABDARIFFA
RUSH, IMBRICATUS	JUNCUS IMBRICATUS
RUSH, RIGIDUS	JUNCUS RIGIDUS
RYE	SECALE CEREALE
RYEGRASS, ITALIAN	LOLIUM MULTIFLORUM
RYEGRASS, PERENNIAL	LOLIUM PERENNE
SAFFLOWER	CARTHAMUS TINCTORIUS
SAINT AUGUSTINEGRASS	STENOTAPHRUM SECUNDATUM
SALTBUSH, AUSTRALIAN	ATRIPLEX SEMIBACCATA
SALTBUSH, PENTANDRA	ATRIPLEX PENTANDRA

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
SALTGRASS, HUMILIS	DISTICHLIS HUMILIS
SALTGRASS, SEASHORE	DISTICHLIS SPICATA
SAMAN, RAINTREE	SAMANEA, SAMAN
SANBUR	CENCHRUS SPP
SATINTAIL, CONTRACTA	IMPERATA CONTRACTA
SEALETTUCE	ULVA SPP
SEDGE	CAREX SPP
SENNA, COFFEE	CASSIA OCCIDENTALIS
SENNA, SICKLE	CASSIA TORA
SENNA, SPECTABILIS	CASSIA SPECTABILIS
SESAME	SESAMUM INDICUM
SESAME, BRASILIENSE	SESAMUM BRASILIENSE
SESAME, ORIENTAL	SESAMUM INDICUM
SETILLA	CHAETIUM BROMOIDES
SHAD, NICARAGUAN	GLIRICIDIA SEPIUM
SHRIMP	PANDALUS SPP PENAEUS SPP
SIDA	SIDA SPP
SIGNALGRASS	BRACHIARIA SPP
SILKWORM	BOMBIX MORI
SILVERLEAF, TEXAS	LEUCOPHYLLUM FRUTESCENS
SKELETONGRASS, RADIATUS	GYMNOPOGON RADIATUS
SMUTGRASS, RATTAIL	SPOROBOLUS POIRETII
SMUTGRASS, WEST INDIES	SPOROBOLUS INDICUS
SORGHUM	SORGHUM VULGARE
SORGHUM, JOHNSONGRASS	SORGHUM HALEPENSE
SORGHUM, KAFIR	SORGHUM VULGARE CAFFRORUM
SORGHUM, MILO	SORGHUM VULGARE SUBGLABRESCENS
SORGHUM, PERENNIAL	SORGHUM ALMUM
SORGHUM, SUDANGRASS	SORGHUM VULGARE SUDANENSE
SORREL, SHEEP	RUMEX ACETOSELLA
SOURGRASS	TRICHACHNE INSULARIS
SOYBEAN	GLYCINE MAX
SOYBEAN, PERENNIAL	GLYCINE WIGHTII
SPIDERGRASS	ARISTIDA TERNIPES
SPIDERLING, PANICULATA	BOERHAAVIA PANICULATA
SPIDERLING, SCARLET	BOERHAAVIA COCCINEA
SPIKESEDGE, GENICULATA	ELEOCHARIS GENICULATA
SPINYCLUBPALM	BACTRIS SPP
SPRANGLETOP, TROPICS	LEPTOCHLOA VIRGATA
SQUASH, WINTER	CUCURBITA MAXIMA
STARGRASS	CYNODON PLECTOSTACHYUM
STEEKGRASS	TRACHYPOGON PLUMOSUS
SUGARCANE	SACCHARUM OFFICINARUM
SUNFLOWER, COMMON	HELIANTHUS ANNUUS
SUNFLOWER, MULTIFLANUS	HELIANTHUS MULTIFLANUS
SWAMP COUCH	HEMARTHRIA ALTISSIMA
SWEETCANE, JAPANESE	SACCHARUM SINENSIS
SWEETCLOVER, WHITE	MELILOTUS ALBA
SWEETGRASS, MEXICAN	HIEROCHLOE MEXICANA
SWEETPOTATO	IPOMOEA BATATAS
SWEETVETCH, SULLA	HEDYSARUM CORONARIUM
SWINE	SUS SCROFA
TALQUEZAL	PASPALUM VIRGATUM
TAMARINO	TAMARINDUS INDICA
TANGLEHEAD	HETEROPOGON CONTORTUS
TEFF	ERAGROSTIS ABYSSINICA
TEOSINTE, MEXICAN	EUCHLAENA MEXICANA
TESAJO	OPUNTIA LEPTOCAULIS
THREEAWN	ARISTIDA SPP
TIBISEE, PATENTIFLORA	LASIACIS PATENTIFLORA
TIBISEE, SORGHOIDEA	LASIACIS SORGHOIDEA
TICKCLOVER	DESMODIUM SPP

Table 9. CONVERSION OF COMMON TO SCIENTIFIC NAMES (Continued)

COMMON NAME	SCIENTIFIC NAME
TIMOTHY	PHLEUM PRATENSE
TOBOSA	HILARIA MUTICA
TOMATO	LYCOPERSICON ESCULENTUM
TOTAIPALM	ACROCOMIA TOTAI
TREADSOFTLY, PHYLLACANTHUS	CNIDOSCOLUS PHYLLACANTHUS
TREFOIL, BIG	LOTUS ULIGINOSUS
TRICHLORIS, FOURFLOWER	TRICHLORIS PLURIFLORA
TURNIP	BRASSICA RAPA
ULLUCUS, TUBER	ULLUCUS TUBEROSUS
VASEYGRASS	PASPALUM URVILLEI
VELVETBEAN, BENGAL	STIZOLOBIUM ATERRIMUM
VELVETBEAN, DERRING	STIZOLOBIUM DEERINGIANUM
VELVETGRASS, COMMON	HOLCUS LANATUS
VERNALGRASS, SWEET	ANTHOXANTHUM ODORATUM
VETCH	VICIA SPP
WALNUT, PERSIAN	JUGLANS REGIA
WASTURTIUM, TUBER	TROPAEOLUM TUBEROSUM
WATERCRESS	RORIPPA NASTURTIUM-AQUATICUM
WATERHYACINTH, COMMON	EICHORNIA CRASSIPES
WATERMELON	CITRULLUS VULGARIS
WEAVERSBROOM	SPARTIUM JUNCEUM
WHEAT	TRITICUM AESTIVUM
WHEAT, DURUM	TRITICUM DURUM
WHEAT, GAINES	TRITICUM AESTIVUM
WHEAT, WHITE	TRITICUM AESTIVUM
WHEATGRASS, DESERTORUM	AGROPYRON DESERTORUM
WHEATGRASS, TALL	AGROPYRON ELONGATUM
WHITETOP-SEDGE CILIATA	DICHROMENA CILIATA
WILDRYE, RUSSIAN	ELYMUS JUNCEUS
WINDMILLGRASS	CHLORIS SPP
WOODLANDGRASS	PANICUM LAXUM
YAM, CUSHCUSH	DIOSCOREA TRIFIDA
YAM, WINGED	DIOSCOREA ALATA
YAMBEAN, AHIPA	PACHYRHIZUS AHIPA
YEAST	SACCHAROMYCES CEREVISIAE
YEAST, BREWERS	SACCHAROMYCES CEREVISIAE
YEAST, MINERAL	TORULA UTILIS
YEAST, TORULOPSIS	TORULOPSIS UTILIS
YUCCA	YUCCA SPP

Locating names in the Tables of Feed Composition XII

For abbreviations in feed names see page XIV

For stage of maturity terms see page XIV

Analytical data marked with an (*) are
estimated by formula see page XIII

Analytical values in parenthesis came from
United States or Canadian data

Data are reported on an "as fed" and a "dry"
basis (100% dry matter)

Classes of feeds (number is given after each feed name)

(1) dry roughage and forages
(2) pasture, range plants and forages fed green
(3) silages
(4) energy feeds
(5) protein supplements
(6) mineral supplements
(7) vitamin supplements
(8) additives

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ACACIA BERLANDIERI, HUAJILLO					
ACACIA BERLANDIERI, LEAVES, FRESH, (2)					
REF NO 2-02-411					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.5		
ASH	%		9.5		2
CRUDE FIBER	%		21.8		2
ETHER EXTRACT	%		6.1		2
NITROGEN FREE EXTRACT	%		61.2		2
PROTEIN	%		1.5		2
CATTLE DIG PROT	% *		-0.8		
GOATS DIG PROT	% *		-2.0		
HORSES DIG PROT	% *		-1.2		
RABBITS DIG PROT	% *		-0.2		
SHEEP DIG PROT	% *		-1.6		
ACACIA BERLANDIERI, PODS, FRESH, MATURE, (2)					
REF NO 2-13-625					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.3		
ASH	%		9.7		1
CRUDE FIBER	%		29.7		1
ETHER EXTRACT	%		0.8		1
NITROGEN FREE EXTRACT	%		56.0		1
PROTEIN	%		3.8		1
CATTLE DIG PROT	% *		1.1		
GOATS DIG PROT	% *		0.1		
HORSES DIG PROT	% *		0.8		
RABBITS DIG PROT	% *		1.6		
SHEEP DIG PROT	% *		0.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.53		
SHEEP DE	MCAL/KG *		2.51		
CATTLE ME	MCAL/KG *		2.07		
SHEEP ME	MCAL/KG *		2.06		
CATTLE NE-M	MCAL/KG *		1.22		
CATTLE NE-GAIN	MCAL/KG *		0.57		
CATTLE NE-LACTATION	MCAL/KG *		1.26		
CATTLE TDN	% *		57.4		
SHEEP TDN	% *		57.0		
ACACIA BERLANDIERI, GRAIN, (4)					
REF NO 4-15-439					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.2		
ASH	%		9.8		2
CRUDE FIBER	%		11.4		2
ETHER EXTRACT	%		5.1		2
NITROGEN FREE EXTRACT	%		71.3		2
PROTEIN	%		2.5		2
CATTLE DIG PROT	% *		-1.7		
GOATS DIG PROT	% *		-0.5		
HORSES DIG PROT	% *		-0.5		
SHEEP DIG PROT	% *		-0.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.00		
SHEEP DE	MCAL/KG *		3.17		
SWINE DE	KCAL/KG *		3162.		
CATTLE ME	MCAL/KG *		1.64		
SHEEP ME	MCAL/KG *		2.60		
SWINE ME	KCAL/KG *		3020.		
CATTLE NE-M	MCAL/KG *		0.98		
CATTLE NE-GAIN	MCAL/KG *		0.08		
CATTLE NE-LACTATION	MCAL/KG *		0.85		
CATTLE TDN	% *		45.4		
SHEEP TDN	% *		72.0		
SWINE TDN	% *		71.7		
ACACIA BERLANDIERI, HUAJILLO, WHITE					
ACACIA BERLANDIERI WHITE, HAY, S-C, (1)					
REF NO 1-11-217					
DRY MATTER	%	80.8	100.0		1
CRUDE FIBER	%	31.4	38.9		1
PROTEIN	%	2.8	3.5		1
CATTLE DIG PROT	% *	-0.0	-0.1		
GOATS DIG PROT	% *	-0.2	-0.2		
HORSES DIG PROT	% *	0.4	0.5		
RABBITS DIG PROT	% *	1.1	1.3		
SHEEP DIG PROT	% *	-0.3	-0.3		
CALCIUM	%	0.31	0.38		1
PHOSPHORUS	%	0.05	0.06		1
ACACIA CAVENIA					
ACACIA CAVENIA CAVENIA, HULLS, (1)					
REF NO 1-17-409					
DRY MATTER	%	90.6	100.0		1
ORGANIC MATTER	%	80.3	88.6		1
ASH	%	10.3	11.4		1
CRUDE FIBER	%	32.4	35.8		1
ETHER EXTRACT	%	1.6	1.8		1
NITROGEN FREE EXTRACT	%	40.9	45.1		1
PROTEIN	%	5.4	6.0		1
CATTLE DIG PROT	% *	1.9	2.1		
GOATS DIG PROT	% *	1.9	2.1		
HORSES DIG PROT	% *	2.3	2.6		
RABBITS DIG PROT	% *	3.0	3.3		
SHEEP DIG PROT	% *	1.7	1.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.93	2.13		
HORSES DE	MCAL/KG *	1.51	1.66		
SHEEP DE	MCAL/KG *	1.93	2.13		
CATTLE ME	MCAL/KG *	1.59	1.75		
HORSES ME	MCAL/KG *	1.24	1.36		
SHEEP ME	MCAL/KG *	1.58	1.75		
CATTLE NE-M	MCAL/KG *	0.94	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.19	0.21		
CATTLE NE-LACTATION	MCAL/KG *	0.86	0.95		
CATTLE TDN	% *	43.9	48.4		
HORSES TDN	% *	37.0	40.9		
SHEEP TDN	% *	43.8	48.3		
CALCIUM	%	0.72	0.79		1
PHOSPHORUS	%	0.03	0.03		1
ACACIA CAVENIA CAVENIA, SEEDS W PODS, (5)					
REF NO 5-17-416					
DRY MATTER	%	92.0	100.0		1
ORGANIC MATTER	%	83.9	91.2		1
ASH	%	8.1	8.8		1
CRUDE FIBER	%	16.8	18.3		1
ETHER EXTRACT	%	4.6	5.0		1
NITROGEN FREE EXTRACT	%	40.6	44.1		1
PROTEIN	%	21.9	23.8		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.60	2.82		
SHEEP DE	MCAL/KG *	2.78	3.02		
CATTLE ME	MCAL/KG *	2.13	2.31		
SHEEP ME	MCAL/KG *	2.28	2.47		
CATTLE NE-M	MCAL/KG *	1.27	1.38		
CATTLE NE-GAIN	MCAL/KG *	0.73	0.79		
CATTLE NE-LACTATION	MCAL/KG *	1.37	1.49		
CATTLE TDN	% *	58.9	64.0		
SHEEP TDN	% *	63.0	68.4		
CALCIUM	%	0.32	0.35		1
PHOSPHORUS	%	0.31	0.34		1
ACACIA CULTRIFORMIS, ACACIA, KNIFE					
ACACIA CULTRIFORMIS KNIFE, AERIAL PART, DEHY GRND, (1)					
REF NO 1-10-622					
DRY MATTER	%	93.0	100.0		1
CRUDE FIBER	%	26.7	28.7		1
ETHER EXTRACT	%	3.7	4.0		1
VITAMIN A EQUIV	IU/G	216.9	233.2		
ACACIA FARNESIANA, ACACIA, SWEET					
ACACIA FARNESIANA SWEET, BROWSE, FRESH, (2)					
REF NO 2-13-624					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.5		
ASH	%		12.6		2
CRUDE FIBER	%		19.7		2
ETHER EXTRACT	%		6.5		2
NITROGEN FREE EXTRACT	%		39.5		2
PROTEIN	%		21.8		2
CATTLE DIG PROT	% *		16.4		
GOATS DIG PROT	% *		16.9		
HORSES DIG PROT	% *		16.0		
RABBITS DIG PROT	% *		15.5		
SHEEP DIG PROT	% *		17.3		
ACACIA FLEXUOSA					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ACACIA FLEXUOSA FLEXUOSA, LEAVES, FRESH, (2)					
REF NO 2-11-216					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.1		
ASH	%		5.0	4	4
CRUDE FIBER	%		12.0	27	4
ETHER EXTRACT	%		2.8	3	4
NITROGEN FREE EXTRACT	%		60.9	4	4
PROTEIN	%		19.4	2	4
CATTLE DIG PROT % *			14.4		
GOATS DIG PROT % *			14.7		
HORSES DIG PROT % *			14.0		
RABBITS DIG PROT % *			13.6		
SHEEP DIG PROT % *			15.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			4.30		
SHEEP DE MCAL/KG *			3.48		
CATTLE ME MCAL/KG *			3.52		
SHEEP ME MCAL/KG *			2.85		
CATTLE NE-M MCAL/KG *			2.56		
CATTLE NE-GAIN MCAL/KG *			1.60		
CATTLE NE-LACTATION MCAL/KG *			2.64		
CATTLE TDN % *			97.5		
SHEEP TDN % *			78.9		

ACACIA JUREMA

ACACIA JUREMA JUREMA, BROWSE, FRESH, (2)

REF NO 2-11-213

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.4		
ASH	%		6.6		1
CRUDE FIBER	%		14.4		1
ETHER EXTRACT	%		12.3		1
NITROGEN FREE EXTRACT	%		41.9		1
PROTEIN	%		24.7		1
CATTLE DIG PROT % *			18.9		
GOATS DIG PROT % *			19.7		
HORSES DIG PROT % *			18.5		
RABBITS DIG PROT % *			17.8		
SHEEP DIG PROT % *			20.1		

ACACIA RIGIDULA

ACACIA RIGIDULA RIGIDULA, BROWSE, FRESH, (2)

REF NO 2-11-214

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	58.8	100.0		1
ORGANIC MATTER	%	55.9	95.0		
ASH	%	2.9	5.0		1
CRUDE FIBER	%	13.8	23.5		1
ETHER EXTRACT	%	1.5	2.6		1
NITROGEN FREE EXTRACT	%	28.3	48.2		1
PROTEIN	%	12.2	20.7		1
CATTLE DIG PROT % *		9.1	15.5		
GOATS DIG PROT % *		9.3	15.9		
HORSES DIG PROT % *		8.9	15.1		
RABBITS DIG PROT % *		8.6	14.7		
SHEEP DIG PROT % *		9.6	16.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.91	3.25		
SHEEP DE MCAL/KG *		1.78	3.02		
CATTLE ME MCAL/KG *		1.56	2.66		
SHEEP ME MCAL/KG *		1.46	2.48		
CATTLE NE-M MCAL/KG *		0.97	1.65		
CATTLE NE-GAIN MCAL/KG *		0.63	1.08		
CATTLE NE-LACTATION MCAL/KG *		1.07	1.82		
CATTLE TDN % *		43.3	73.6		
SHEEP TDN % *		40.3	68.5		

ACACIA WRIGHTI, ACACIA, WRIGHT

ACACIA WRIGHTI WRIGHT, BROWSE, FRESH, (2)

REF NO 2-11-215

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	39.7	100.0		1
ORGANIC MATTER	%	35.3	89.0		
ASH	%	4.4	11.0		1
CRUDE FIBER	%	7.0	17.7		1
ETHER EXTRACT	%	2.0	5.1		1
NITROGEN FREE EXTRACT	%	20.0	50.3		1
PROTEIN	%	6.3	15.9		1
CATTLE DIG PROT % *		4.5	11.4		
GOATS DIG PROT % *		4.5	11.4		
HORSES DIG PROT % *		4.4	11.0		
RABBITS DIG PROT % *		4.3	10.9		
SHEEP DIG PROT % *		4.7	11.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.66	4.19		
SHEEP DE MCAL/KG *		1.20	3.01		
CATTLE ME MCAL/KG *		1.36	3.43		
SHEEP ME MCAL/KG *		0.98	2.47		
CATTLE NE-M MCAL/KG *		0.97	2.45		
CATTLE NE-GAIN MCAL/KG *		0.62	1.55		
CATTLE NE-LACTATION MCAL/KG *		1.01	2.56		
CATTLE TDN % *		37.7	95.0		
SHEEP TDN % *		27.1	68.4		

ACROCOMIA SCLEROCARPA, ACROCOMIA, MUCAJA

ACROCOMIA SCLEROCARPA MUCAJA, HULLS, GRND, (1)

REF NO 1-11-211

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.9	100.0		1
ORGANIC MATTER	%	87.7	96.5		1
ASH	%	3.2	3.5		1
CRUDE FIBER	%	44.5	49.0		1
ETHER EXTRACT	%	5.8	6.4		1
NITROGEN FREE EXTRACT	%	33.0	36.3		1
PROTEIN	%	4.4	4.8		1
CATTLE DIG PROT % *		1.0	1.1		
GOATS DIG PROT % *		1.0	1.1		
HORSES DIG PROT % *		1.5	1.6		
RABBITS DIG PROT % *		2.2	2.4		
SHEEP DIG PROT % *		0.8	0.9		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		1.80	1.98		
SHEEP ME MCAL/KG *		1.47	1.62		
SHEEP TDN % *		40.8	44.8		

ACROCOMIA SCLEROCARPA MUCAJA, FRUIT, GRND, (4)

REF NO 4-11-208

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.0	100.0		1
ORGANIC MATTER	%	87.3	97.0		1
ASH	%	2.7	3.0		1
CRUDE FIBER	%	38.7	43.0		1
ETHER EXTRACT	%	20.1	22.3		1
NITROGEN FREE EXTRACT	%	22.2	24.7		1
PROTEIN	%	6.3	7.0		1
CATTLE DIG PROT % *		2.2	2.4		
GOATS DIG PROT % *		3.3	3.7		
HORSES DIG PROT % *		3.3	3.7		
SHEEP DIG PROT % *		3.3	3.7		

ACROCOMIA SCLEROCARPA MUCAJA, MEATS, MECH EXTD GRND, (5)

REF NO 5-11-207

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.6	100.0		2
ORGANIC MATTER	%	84.2	93.0		1
ASH	%	5.5	6.1		2
CRUDE FIBER	%	22.0	24.3		2
ETHER EXTRACT	%	5.9	6.5		2
NITROGEN FREE EXTRACT	%	29.2	32.2		2
PROTEIN	%	28.0	30.9		2
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.64	2.92		
SHEEP DE MCAL/KG *		2.70	2.98		
CATTLE ME MCAL/KG *		2.17	2.39		
SHEEP ME MCAL/KG *		2.21	2.44		
CATTLE NE-M MCAL/KG *		1.30	1.44		
CATTLE NE-GAIN MCAL/KG *		0.78	0.86		
CATTLE NE-LACTATION MCAL/KG *		1.42	1.56		
CATTLE TDN % *		60.0	66.2		
SHEEP TDN % *		61.2	67.5		

ACROCOMIA SCLEROCARPA MUCAJA, MEATS, MECH EXTD GRND CAKED, (5)

REF NO 5-11-210

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.7	100.0		1
ORGANIC MATTER	%	86.5	96.4		
ASH	%	3.2	3.6		1
CRUDE FIBER	%	37.1	41.4		1
ETHER EXTRACT	%	3.9	4.3		1
NITROGEN FREE EXTRACT	%	28.9	32.2		1
PROTEIN	%	16.6	18.5		1
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		1.41	1.57		
SHEEP ME MCAL/KG *		1.16	1.29		
SHEEP TDN % *		32.0	35.6		

ACROCOMIA TOTAI, TOTAIPALM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ACROCOMIA TOTAI, PULP, GRND, (1)						
REF NO 1-10-105						
DRY MATTER		%	90.7	100.0	2	12
ETHER EXTRACT		%	26.1	28.8	3	12
PROTEIN		%	5.2	5.7		2
CATTLE	DIG PROT	% *	1.7	1.9		
GOATS	DIG PROT	% *	1.7	1.9		
HORSES	DIG PROT	% *	2.2	2.4		
RABBITS	DIG PROT	% *	2.8	3.1		
SHEEP	DIG PROT	% *	1.6	1.7		
ACROCOMIA TOTAI, PULP, MECH EXTD GRND, (1)						
REF NO 1-10-103						
DRY MATTER		%	93.8	100.0		1
ETHER EXTRACT		%	10.5	11.2		1
PROTEIN		%	7.3	7.8		1
CATTLE	DIG PROT	% *	3.5	3.7		
GOATS	DIG PROT	% *	3.6	3.8		
HORSES	DIG PROT	% *	3.9	4.1		
RABBITS	DIG PROT	% *	4.4	4.7		
SHEEP	DIG PROT	% *	3.3	3.6		
ACROCOMIA TOTAI, PULP, SOLV EXTD GRND, (1)						
REF NO 1-10-106						
DRY MATTER		%	84.9	100.0	4	5
ETHER EXTRACT		%	1.6	1.8	74	5
PROTEIN		%	5.5	6.5	16	4
CATTLE	DIG PROT	% *	2.2	2.6		
GOATS	DIG PROT	% *	2.3	2.7		
HORSES	DIG PROT	% *	2.6	3.1		
RABBITS	DIG PROT	% *	3.2	3.7		
SHEEP	DIG PROT	% *	2.1	2.4		
ACROCOMIA TOTAI, HEATS, MECH EXTD, (5)						
REF NO 5-10-100						
DRY MATTER		%	93.2	100.0		70
ORGANIC MATTER		%	87.3	93.7		1
ASH		%	5.9	6.3		1
CRUDE FIBER		%	15.5	16.6		1
ETHER EXTRACT		%	7.8	8.3	27	69
NITROGEN FREE EXTRACT		%	29.6	31.8		1
PROTEIN		%	34.4	36.9	10	13
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.02	3.24		
SHEEP	DE	MCAL/KG *	3.26	3.50		
CATTLE	ME	MCAL/KG *	2.46	2.66		
SHEEP	ME	MCAL/KG *	2.67	2.87		
CATTLE	NE-M	MCAL/KG *	1.54	1.65		
CATTLE	NE-GAIN	MCAL/KG *	1.00	1.07		
CATTLE	NE-LACTATION	MCAL/KG *	1.69	1.82		
CATTLE	TDN	% *	68.6	73.6		
SHEEP	TDN	% *	74.0	79.4		
CALCIUM		%	0.32	0.34		1
IRON		%	0.029	0.031		1
PHOSPHORUS		%	1.07	1.15		1
AULAY						
=SEE COIX LACRYMAJOBI, SEEDS, (4)						

AEGOPOGON CENCHNOIDES

AEGOPOGON CENCHNOIDES CENCHNOIDES, AERIAL PART, FRESH, MIDBLOOM, (2)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 2-13-664						
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	22.3	89.1		1
ASH		%	2.7	10.9		1
CRUDE FIBER		%	8.5	33.8		1
ETHER EXTRACT		%	0.6	2.3		1
NITROGEN FREE EXTRACT		%	10.9	43.5		1
PROTEIN		%	2.4	9.5		1
CATTLE	DIG PROT	% *	1.5	6.0		
GOATS	DIG PROT	% *	1.4	5.4		
HORSES	DIG PROT	% *	1.4	5.6		
RABBITS	DIG PROT	% *	1.5	6.0		
SHEEP	DIG PROT	% *	1.5	5.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.35		
SHEEP	DE	MCAL/KG *	0.63	2.52		
CATTLE	ME	MCAL/KG *	0.48	1.92		
SHEEP	ME	MCAL/KG *	0.52	2.06		
CATTLE	NE-M	MCAL/KG *	0.28	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.41		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.12		
CATTLE	TDN	% *	13.3	53.2		
SHEEP	TDN	% *	14.3	57.1		
CALCIUM		%	0.07	0.27		1
PHOSPHORUS		%	0.05	0.20		1

AESCHYNOMENE AMERICANA, JOINTVETCH, AMERICAN

AESCHYNOMENE AMERICANA AMERICAN, AERIAL PART, FRESH, MIDBLOOM, (2)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 2-13-665						
DRY MATTER		%	21.6	100.0		2
ORGANIC MATTER		%	19.8	91.9		2
ASH		%	1.8	8.2		2
CRUDE FIBER		%	7.7	35.9		2
ETHER EXTRACT		%	0.6	3.6		2
NITROGEN FREE EXTRACT		%	7.4	34.2		2
PROTEIN		%	3.9	18.2		2
CATTLE	DIG PROT	% *	2.9	13.4		
GOATS	DIG PROT	% *	2.9	13.5		
HORSES	DIG PROT	% *	2.8	13.0		
RABBITS	DIG PROT	% *	2.7	12.7		
SHEEP	DIG PROT	% *	3.0	14.0		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.60	2.80		
SHEEP	ME	MCAL/KG *	0.49	2.30		
SHEEP	TDN	% *	13.7	63.5		
CALCIUM		%	0.31	1.46		2
PHOSPHORUS		%	0.09	0.42		2

AESCHYNOMENE FALCATA, JOINTVETCH, FALCATA

AESCHYNOMENE FALCATA FALCATA, HAY, S-C, MIDBLOOM, (1)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 1-17-677						
DRY MATTER		%	79.6	100.0		1
PROTEIN		%	12.9	16.2		1
CATTLE	DIG PROT	% *	8.7	11.0		
GOATS	DIG PROT	% *	9.3	11.7		
HORSES	DIG PROT	% *	9.0	11.3		
RABBITS	DIG PROT	% *	8.9	11.2		
SHEEP	DIG PROT	% *	8.8	11.1		
CALCIUM		%	0.50	0.63		1
MAGNESIUM		%	0.40	0.50		1
MANGANESE		MG/KG	328.7	413.0		1
PHOSPHORUS		%	0.18	0.22		1
POTASSIUM		%	0.96	1.20		1
SODIUM		%	0.08	0.10		1
ZINC		MG/KG	35.8	45.0		1

AGAVE AMERICANA, AGAVE, CENTURYPLANT

AGAVE AMERICANA CENTURYPLANT, LEAVES, FRESH, LATE VEGETATIVE, (2)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 2-13-684						
DRY MATTER		%	11.1	100.0		1
ORGANIC MATTER		%	9.9	88.8		
ASH		%	1.2	11.2		1
CRUDE FIBER		%	2.7	24.7		1
ETHER EXTRACT		%	0.2	1.9		1
NITROGEN FREE EXTRACT		%	6.0	53.8		1
PROTEIN		%	0.9	8.4		1
CATTLE	DIG PROT	% *	0.6	5.0		
GOATS	DIG PROT	% *	0.5	4.4		
HORSES	DIG PROT	% *	0.5	4.7		
RABBITS	DIG PROT	% *	0.6	5.2		
SHEEP	DIG PROT	% *	0.5	4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.31	2.75		
SHEEP	DE	MCAL/KG *	0.30	2.71		
CATTLE	ME	MCAL/KG *	0.25	2.26		
SHEEP	ME	MCAL/KG *	0.25	2.22		
CATTLE	NE-M	MCAL/KG *	0.15	1.34		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.74		
CATTLE	NE-LACTATION	MCAL/KG *	0.16	1.43		
CATTLE	TDN	% *	6.9	62.4		
SHEEP	TDN	% *	6.8	61.5		

AGAVE ASPERRIMA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGAVE ASPERRIMA ASPERRIMA, AERIAL PART, FRESH CHOPPED, (2)					
REF NO 2-13-738					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		86.3	
ASH		%		13.7	1
CRUDE FIBER		%		18.9	1
ETHER EXTRACT		%		2.4	1
NITROGEN FREE EXTRACT		%		59.2	1
PROTEIN		%		5.8	1
CATTLE	DIG PROT	% *		2.8	
GOATS	DIG PROT	% *		2.0	
HORSES	DIG PROT	% *		2.5	
RABBITS	DIG PROT	% *		3.1	
SHEEP	DIG PROT	% *		2.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		3.15	
SHEEP	DE	MCAL/KG *		2.84	
CATTLE	ME	MCAL/KG *		2.58	
SHEEP	ME	MCAL/KG *		2.33	
CATTLE	NE-M	MCAL/KG *		1.58	
CATTLE	NE-GAIN	MCAL/KG *		1.01	
CATTLE	NE-LACTATION	MCAL/KG *		1.74	
CATTLE	TDN	% *		71.3	
SHEEP	TDN	% *		64.5	

AGAVE DEWEYANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGAVE DEWEYANA DEWEYANA, LEAVES, CHOPPED, (2)					
REF NO 2-13-454					
DRY MATTER		%	10.3	100.0	2
ORGANIC MATTER		%	9.4	91.4	
ASH		%	0.9	8.6	2
CRUDE FIBER		%	2.8	26.9	2
ETHER EXTRACT		%	0.1	1.4	2
NITROGEN FREE EXTRACT		%	5.9	57.5	2
PROTEIN		%	0.6	5.6	2
CATTLE	DIG PROT	% *	0.3	2.7	
GOATS	DIG PROT	% *	0.2	1.8	
HORSES	DIG PROT	% *	0.2	2.3	
RABBITS	DIG PROT	% *	0.3	3.0	
SHEEP	DIG PROT	% *	0.2	2.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.27	2.66	
SHEEP	DE	MCAL/KG *	0.28	2.69	
CATTLE	ME	MCAL/KG *	0.22	2.18	
SHEEP	ME	MCAL/KG *	0.23	2.21	
CATTLE	NE-M	MCAL/KG *	0.13	1.29	
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.67	
CATTLE	NE-LACTATION	MCAL/KG *	0.14	1.36	
CATTLE	TDN	% *	6.2	60.4	
SHEEP	TDN	% *	6.3	61.1	
CALCIUM		%	0.21	2.00	1
PHOSPHORUS		%	0.01	0.11	1

AGAVE FOURCHOYDES, AGAVE, HENEQUEN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGAVE FOURCROYDES HENEQUEN, FIBER RESIDUE, (1)					
REF NO 1-11-255					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		78.3	
ASH		%		21.7	2
CRUDE FIBER		%		12.5	2
ETHER EXTRACT		%		3.2	2
NITROGEN FREE EXTRACT		%		51.0	2
PROTEIN		%		11.6	2
CATTLE	DIG PROT	% *		7.0	
GOATS	DIG PROT	% *		7.4	
HORSES	DIG PROT	% *		7.4	
RABBITS	DIG PROT	% *		7.6	
SHEEP	DIG PROT	% *		7.0	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		2.57	
SHEEP	ME	MCAL/KG *		2.11	
SHEEP	TDN	% *		58.4	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGAVE FOURCROYDES HENEQUEN, MUCILAGE, (1)					
REF NO 1-11-256					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		83.3	
ASH		%		16.7	1
CRUDE FIBER		%		27.5	1
ETHER EXTRACT		%		1.9	1
NITROGEN FREE EXTRACT		%		50.9	1
PROTEIN		%		3.0	1
CATTLE	DIG PROT	% *		-0.4	
GOATS	DIG PROT	% *		-0.6	
HORSES	DIG PROT	% *		0.1	
RABBITS	DIG PROT	% *		1.0	
SHEEP	DIG PROT	% *		-0.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.05	
HORSES	DE	MCAL/KG *		1.65	
SHEEP	DE	MCAL/KG *		2.04	
CATTLE	ME	MCAL/KG *		1.68	
HORSES	ME	MCAL/KG *		1.35	
SHEEP	ME	MCAL/KG *		1.68	
CATTLE	NE-M	MCAL/KG *		1.00	
CATTLE	NE-GAIN	MCAL/KG *		0.12	
CATTLE	NE-LACTATION	MCAL/KG *		0.88	
CATTLE	TDN	% *		46.4	
HORSES	TDN	% *		40.4	
SHEEP	TDN	% *		46.3	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGAVE FOURCROYDES HENEQUEN, PULP, (1)					
REF NO 1-09-631					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		71.5	
ASH		%		28.5	1
CRUDE FIBER		%		23.7	1
ETHER EXTRACT		%		2.0	1
NITROGEN FREE EXTRACT		%		37.8	1
PROTEIN		%		8.1	1
CATTLE	DIG PROT	% *		3.9	
GOATS	DIG PROT	% *		4.1	
HORSES	DIG PROT	% *		4.4	
RABBITS	DIG PROT	% *		4.9	
SHEEP	DIG PROT	% *		3.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.02	
SHEEP	DE	MCAL/KG *		1.93	
CATTLE	ME	MCAL/KG *		1.66	
SHEEP	ME	MCAL/KG *		1.58	
CATTLE	NE-M	MCAL/KG *		0.99	
CATTLE	NE-GAIN	MCAL/KG *		0.09	
CATTLE	NE-LACTATION	MCAL/KG *		0.86	
CATTLE	TDN	% *		45.8	
SHEEP	TDN	% *		43.8	

AGAVE SPP, AGAVE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGAVE SPP, SEEDS, MECH EXTD GRND CAKED, (5)					
REF NO 5-13-743					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.5	
ASH		%		6.5	1
CRUDE FIBER		%		11.9	1
ETHER EXTRACT		%		5.5	1
NITROGEN FREE EXTRACT		%		29.4	1
PROTEIN		%		44.7	1
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		3.24	
SHEEP	DE	MCAL/KG *		3.58	
CATTLE	ME	MCAL/KG *		2.66	
SHEEP	ME	MCAL/KG *		2.93	
CATTLE	NE-M	MCAL/KG *		1.65	
CATTLE	NE-GAIN	MCAL/KG *		1.07	
CATTLE	NE-LACTATION	MCAL/KG *		1.81	
CATTLE	TDN	% *		73.5	
SHEEP	TDN	% *		81.1	

AGERATUM CONYZOIDES, AGERATUM, TROPIC

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGERATUM CONYZOIDES TROPIC, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-666					
DRY MATTER		%	16.5	100.0	1
ORGANIC MATTER		%	14.6	88.3	1
ASH		%	2.3	13.7	1
CRUDE FIBER		%	4.9	29.8	1
ETHER EXTRACT		%	0.4	2.5	1
NITROGEN FREE EXTRACT		%	5.2	31.7	1
PROTEIN		%	3.7	22.3	1
CATTLE	DIG PROT	% *	2.8	16.8	
GOATS	DIG PROT	% *	2.9	17.4	
HORSES	DIG PROT	% *	2.7	16.5	
RABBITS	DIG PROT	% *	2.6	15.9	
SHEEP	DIG PROT	% *	2.9	17.8	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.44	2.68	
SHEEP	ME	MCAL/KG *	0.36	2.19	
SHEEP	TDN	% *	10.0	60.7	
CALCIUM		%	0.07	0.44	1
PHOSPHORUS		%	0.05	0.32	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AGROPYRON DESERTORUM, WHEATGRASS, DESERTORUM						
AGROPYRON DESERTORUM DESERTORUM, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-15-463						
DRY MATTER		%	30.1	100.0	5	4
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.	3	4
ORGANIC MATTER		%	27.2	90.5		
ASH		%	2.9	9.6	9	4
PROTEIN		%	8.4	27.8	9	4
CATTLE	DIG PROT	% *	6.5	21.5		
GOATS	DIG PROT	% *	6.8	22.5		
HORSES	DIG PROT	% *	6.4	21.1		
RABBITS	DIG PROT	% *	6.1	20.1		
SHEEP	DIG PROT	% *	6.9	22.9		
AGROPYRON DESERTORUM DESERTORUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-15-441						
DRY MATTER		%	28.9	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.		3
ORGANIC MATTER		%	26.2	90.7		
ASH		%	2.7	9.3		3
PROTEIN		%	6.3	22.0		3
CATTLE	DIG PROT	% *	4.8	16.6		
GOATS	DIG PROT	% *	4.9	17.1		
HORSES	DIG PROT	% *	4.7	16.2		
RABBITS	DIG PROT	% *	4.5	15.6		
SHEEP	DIG PROT	% *	5.0	17.5		
AGROPYRON DESERTORUM DESERTORUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-15-442						
DRY MATTER		%	38.4	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.		2
ORGANIC MATTER		%	35.5	92.6		
ASH		%	2.9	7.5		2
PROTEIN		%	4.6	12.0		2
CATTLE	DIG PROT	% *	3.1	8.0		
GOATS	DIG PROT	% *	3.0	7.7		
HORSES	DIG PROT	% *	2.9	7.7		
RABBITS	DIG PROT	% *	3.0	7.9		
SHEEP	DIG PROT	% *	3.1	8.1		
AGROPYRON DESERTORUM DESERTORUM, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-15-440						
DRY MATTER		%	28.9	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.		2
ORGANIC MATTER		%	26.2	90.7		
ASH		%	2.7	9.4		2
PROTEIN		%	6.2	21.4		2
CATTLE	DIG PROT	% *	4.6	16.1		
GOATS	DIG PROT	% *	4.8	16.5		
HORSES	DIG PROT	% *	4.5	15.7		
RABBITS	DIG PROT	% *	4.4	15.2		
SHEEP	DIG PROT	% *	4.9	16.9		
AGROPYRON ELONGATUM, WHEATGRASS, TALL						
AGROPYRON ELONGATUM TALL, HAY, S-C CHOPPED, DOUGH STAGE, (1)						
REF NO 1-13-070						
DRY MATTER		%	84.5	100.0	1	12
DM IN VITRO (TILLY)	DIG COEF	%	38.	38.	13	10
PROTEIN		%	5.6	6.7	18	11
CATTLE	DIG PROT	% *	2.3	2.7		
GOATS	DIG PROT	% *	2.3	2.8		
HORSES	DIG PROT	% *	2.7	3.2		
RABBITS	DIG PROT	% *	3.2	3.8		
SHEEP	DIG PROT	% *	2.1	2.5		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, (2)						
REF NO 2-13-351						
DRY MATTER		%	25.9	100.0	10	44
PROTEIN		%	4.4	17.0	15	44
CATTLE	DIG PROT	% *	3.2	12.4		
GOATS	DIG PROT	% *	3.2	12.5		
HORSES	DIG PROT	% *	3.1	12.0		
RABBITS	DIG PROT	% *	3.1	11.8		
SHEEP	DIG PROT	% *	3.3	12.9		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 6, (2)						
REF NO 2-11-942						
DRY MATTER		%	30.6	100.0	29	22
PROTEIN		%	4.4	14.3	13	22
CATTLE	DIG PROT	% *	3.1	10.0		
GOATS	DIG PROT	% *	3.0	9.9		
HORSES	DIG PROT	% *	3.0	9.7		
RABBITS	DIG PROT	% *	3.0	9.7		
SHEEP	DIG PROT	% *	3.2	10.3		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 7, (2)						
REF NO 2-13-043						
DRY MATTER		%	29.9	100.0	23	34
PROTEIN		%	5.5	18.4	77	36
CATTLE	DIG PROT	% *	4.0	13.5		
GOATS	DIG PROT	% *	4.1	13.7		
HORSES	DIG PROT	% *	3.9	13.1		
RABBITS	DIG PROT	% *	3.9	12.9		
SHEEP	DIG PROT	% *	4.2	14.1		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 8, (2)						
REF NO 2-13-354						
DRY MATTER		%	33.5	100.0	22	30
PROTEIN		%	5.2	15.5	22	30
CATTLE	DIG PROT	% *	3.7	11.1		
GOATS	DIG PROT	% *	3.7	11.0		
HORSES	DIG PROT	% *	3.6	10.7		
RABBITS	DIG PROT	% *	3.6	10.6		
SHEEP	DIG PROT	% *	3.8	11.4		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 9, (2)						
REF NO 2-13-356						
DRY MATTER		%	31.1	100.0	19	27
PROTEIN		%	5.1	16.5	20	27
CATTLE	DIG PROT	% *	3.7	11.9		
GOATS	DIG PROT	% *	3.7	12.0		
HORSES	DIG PROT	% *	3.6	11.6		
RABBITS	DIG PROT	% *	3.5	11.4		
SHEEP	DIG PROT	% *	3.8	12.4		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 10, (2)						
REF NO 2-13-606						
DRY MATTER		%	34.3	100.0	44	14
PROTEIN		%	5.7	16.8	22	14
CATTLE	DIG PROT	% *	4.2	12.1		
GOATS	DIG PROT	% *	4.2	12.2		
HORSES	DIG PROT	% *	4.0	11.8		
RABBITS	DIG PROT	% *	4.0	11.6		
SHEEP	DIG PROT	% *	4.3	12.6		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 11, (2)						
REF NO 2-13-608						
DRY MATTER		%	28.4	100.0	12	8
PROTEIN		%	5.5	19.4	22	8
CATTLE	DIG PROT	% *	4.1	14.4		
GOATS	DIG PROT	% *	4.1	14.6		
HORSES	DIG PROT	% *	4.0	14.0		
RABBITS	DIG PROT	% *	3.9	13.6		
SHEEP	DIG PROT	% *	4.3	15.0		
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 12, (2)						
REF NO 2-13-611						
DRY MATTER		%	25.2	100.0	33	7
PROTEIN		%	4.8	19.0	18	7
CATTLE	DIG PROT	% *	3.5	14.0		
GOATS	DIG PROT	% *	3.6	14.2		
HORSES	DIG PROT	% *	3.4	13.6		
RABBITS	DIG PROT	% *	3.4	13.3		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT	% *	3.7	14.7		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 13, (2)

REF NO 2-17-442

DRY MATTER		%	21.3	100.0		2
PROTEIN		%	4.2	19.5		2
CATTLE	DIG PROT	% *	3.1	14.5		
GOATS	DIG PROT	% *	3.1	14.8		
HORSES	DIG PROT	% *	3.0	14.1		
RABBITS	DIG PROT	% *	2.9	13.7		
SHEEP	DIG PROT	% *	3.2	15.2		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 14, (2)

REF NO 2-13-613

DRY MATTER		%	29.4	100.0		2
PROTEIN		%	4.5	15.4		2
CATTLE	DIG PROT	% *	3.2	10.9		
GOATS	DIG PROT	% *	3.2	10.9		
HORSES	DIG PROT	% *	3.1	10.6		
RABBITS	DIG PROT	% *	3.1	10.5		
SHEEP	DIG PROT	% *	3.3	11.3		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH, CUT 15, (2)

REF NO 2-13-616

DRY MATTER		%	24.4	100.0		1
PROTEIN		%	3.6	14.7		1
CATTLE	DIG PROT	% *	2.5	10.4		
GOATS	DIG PROT	% *	2.5	10.3		
HORSES	DIG PROT	% *	2.4	10.0		
RABBITS	DIG PROT	% *	2.4	10.0		
SHEEP	DIG PROT	% *	2.6	10.7		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-13-352

DRY MATTER		%	24.4	100.0	14	98
PROTEIN		%	5.1	21.1	19	98
CATTLE	DIG PROT	% *	3.9	15.8		
GOATS	DIG PROT	% *	4.0	16.2		
HORSES	DIG PROT	% *	3.8	15.4		
RABBITS	DIG PROT	% *	3.6	14.9		
SHEEP	DIG PROT	% *	4.1	16.6		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 6, (2)

REF NO 2-11-956

DRY MATTER		%	32.2	100.0	15	67
PROTEIN		%	5.3	16.6	14	67
CATTLE	DIG PROT	% *	3.9	12.0		
GOATS	DIG PROT	% *	3.9	12.0		
HORSES	DIG PROT	% *	3.7	11.6		
RABBITS	DIG PROT	% *	3.7	11.5		
SHEEP	DIG PROT	% *	4.0	12.4		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 7, (2)

REF NO 2-11-946

DRY MATTER		%	29.7	100.0	15	98
PROTEIN		%	5.7	19.4	41	98
CATTLE	DIG PROT	% *	4.3	14.3		
GOATS	DIG PROT	% *	4.3	14.6		
HORSES	DIG PROT	% *	4.1	14.0		
RABBITS	DIG PROT	% *	4.0	13.6		
SHEEP	DIG PROT	% *	4.5	15.0		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 8, (2)

REF NO 2-13-355

DRY MATTER		%	28.3	100.0	31	98
PROTEIN		%	5.6	19.8	26	98
CATTLE	DIG PROT	% *	4.2	14.7		
GOATS	DIG PROT	% *	4.3	15.0		
HORSES	DIG PROT	% *	4.1	14.3		
RABBITS	DIG PROT	% *	3.9	13.9		
SHEEP	DIG PROT	% *	4.4	15.4		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 9, (2)

REF NO 2-13-357

DRY MATTER		%	27.2	100.0	33	91
PROTEIN		%	6.0	22.0	19	91
CATTLE	DIG PROT	% *	4.5	16.6		
GOATS	DIG PROT	% *	4.7	17.1		
HORSES	DIG PROT	% *	4.4	16.2		
RABBITS	DIG PROT	% *	4.3	15.7		
SHEEP	DIG PROT	% *	4.8	17.5		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 10, (2)

REF NO 2-13-607

DRY MATTER		%	26.9	100.0	16	70
PROTEIN		%	5.9	21.8	16	70
CATTLE	DIG PROT	% *	4.4	16.4		
GOATS	DIG PROT	% *	4.6	16.9		
HORSES	DIG PROT	% *	4.3	16.0		
RABBITS	DIG PROT	% *	4.2	15.5		
SHEEP	DIG PROT	% *	4.7	17.3		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 11, (2)

REF NO 2-13-609

DRY MATTER		%	27.0	100.0	41	26
PROTEIN		%	6.4	23.9	21	26
CATTLE	DIG PROT	% *	4.9	18.2		
GOATS	DIG PROT	% *	5.1	18.8		
HORSES	DIG PROT	% *	4.8	17.8		
RABBITS	DIG PROT	% *	4.6	17.1		
SHEEP	DIG PROT	% *	5.2	19.2		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 12, (2)

REF NO 2-13-610

DRY MATTER		%	23.3	100.0	13	11
PROTEIN		%	6.1	26.0	28	11
CATTLE	DIG PROT	% *	4.7	20.0		
GOATS	DIG PROT	% *	4.8	20.8		
HORSES	DIG PROT	% *	4.6	19.6		
RABBITS	DIG PROT	% *	4.4	18.7		
SHEEP	DIG PROT	% *	4.9	21.2		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 13, (2)

REF NO 2-13-612

DRY MATTER		%	23.0	100.0	15	10
PROTEIN		%	5.1	22.2	19	10
CATTLE	DIG PROT	% *	3.9	16.8		
GOATS	DIG PROT	% *	4.0	17.3		
HORSES	DIG PROT	% *	3.8	16.4		
RABBITS	DIG PROT	% *	3.6	15.8		
SHEEP	DIG PROT	% *	4.1	17.7		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 14, (2)

REF NO 2-13-614

DRY MATTER		%	23.6	100.0	11	16
PROTEIN		%	5.2	22.2	21	16
CATTLE	DIG PROT	% *	3.9	16.7		
GOATS	DIG PROT	% *	4.1	17.2		
HORSES	DIG PROT	% *	3.9	16.3		
RABBITS	DIG PROT	% *	3.7	15.8		
SHEEP	DIG PROT	% *	4.2	17.6		

AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 15, (2)

REF NO 2-13-615

DRY MATTER		%	23.8	100.0	9	8
PROTEIN		%	5.3	22.4	20	8
CATTLE	DIG PROT	% *	4.0	16.9		
GOATS	DIG PROT	% *	4.2	17.4		
HORSES	DIG PROT	% *	3.9	16.5		
RABBITS	DIG PROT	% *	3.8	15.9		
SHEEP	DIG PROT	% *	4.3	17.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGROPYRON ELONGATUM TALL, AERIAL PART, FRESH FERTILIZED, CUT 16, (2)					
REF NO 2-13-617					
DRY MATTER		%	22.4	100.0	2
PROTEIN		%	6.3	28.2	2
CATTLE	DIG PROT	% *	4.9	21.9	
GOATS	DIG PROT	% *	5.1	22.9	
HORSES	DIG PROT	% *	4.8	21.5	
RABBITS	DIG PROT	% *	4.6	20.4	
SHEEP	DIG PROT	% *	5.2	23.3	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, WHEATGRASS, TALL-FESCUE, ALTA					
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)					
REF NO 2-13-079					
DRY MATTER		%	24.1	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	58.	58.	1
PROTEIN		%	3.8	15.7	1
CATTLE	DIG PROT	% *	2.7	11.2	
GOATS	DIG PROT	% *	2.7	11.2	
HORSES	DIG PROT	% *	2.6	10.9	
RABBITS	DIG PROT	% *	2.6	10.8	
SHEEP	DIG PROT	% *	2.8	11.6	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 2, (2)					
REF NO 2-13-080					
DRY MATTER		%	22.3	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	58.	58.	1
PROTEIN		%	4.4	19.6	2
CATTLE	DIG PROT	% *	3.2	14.6	
GOATS	DIG PROT	% *	3.3	14.8	
HORSES	DIG PROT	% *	3.2	14.2	
RABBITS	DIG PROT	% *	3.1	13.8	
SHEEP	DIG PROT	% *	3.4	15.3	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 3, (2)					
REF NO 2-13-081					
DRY MATTER		%	27.9	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	62.	62.	1
PROTEIN		%	6.9	24.7	2
CATTLE	DIG PROT	% *	5.2	18.8	
GOATS	DIG PROT	% *	5.4	19.6	
HORSES	DIG PROT	% *	5.1	18.5	
RABBITS	DIG PROT	% *	4.9	17.7	
SHEEP	DIG PROT	% *	5.6	20.0	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 4, (2)					
REF NO 2-13-082					
DRY MATTER		%	25.0	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	1
PROTEIN		%	4.9	19.4	1
CATTLE	DIG PROT	% *	3.6	14.4	
GOATS	DIG PROT	% *	3.7	14.7	
HORSES	DIG PROT	% *	3.5	14.0	
RABBITS	DIG PROT	% *	3.4	13.6	
SHEEP	DIG PROT	% *	3.8	15.1	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 5, (2)					
REF NO 2-13-083					
DRY MATTER		%	23.0	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	55.	55.	1
PROTEIN		%	3.4	14.9	1
CATTLE	DIG PROT	% *	2.4	10.6	
GOATS	DIG PROT	% *	2.4	10.5	
HORSES	DIG PROT	% *	2.3	10.2	
RABBITS	DIG PROT	% *	2.3	10.2	
SHEEP	DIG PROT	% *	2.5	10.9	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 7, (2)					
REF NO 2-13-084					
DRY MATTER		%	23.5	100.0	1
PROTEIN		%	4.7	20.2	1
CATTLE	DIG PROT	% *	3.5	15.1	
GOATS	DIG PROT	% *	3.6	15.4	
HORSES	DIG PROT	% *	3.4	14.7	
RABBITS	DIG PROT	% *	3.4	14.3	
SHEEP	DIG PROT	% *	3.7	15.8	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, WHEATGRASS, TALL-FESCUE, ALTA-RYEGRASS, PERENNIAL					
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)					
REF NO 2-13-090					
DRY MATTER		%	28.0	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	67.	67.	1
PROTEIN		%	4.5	16.0	1
CATTLE	DIG PROT	% *	3.2	11.5	
GOATS	DIG PROT	% *	3.2	11.5	
HORSES	DIG PROT	% *	3.1	11.1	
RABBITS	DIG PROT	% *	3.1	11.0	
SHEEP	DIG PROT	% *	3.3	11.9	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 1, (2)					
REF NO 2-13-089					
DRY MATTER		%	44.0	100.0	3
PROTEIN		%	8.2	18.6	3
CATTLE	DIG PROT	% *	6.0	13.7	
GOATS	DIG PROT	% *	6.1	13.9	
HORSES	DIG PROT	% *	5.9	13.3	
RABBITS	DIG PROT	% *	5.7	13.0	
SHEEP	DIG PROT	% *	6.3	14.3	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 2, (2)					
REF NO 2-13-092					
DRY MATTER		%	23.1	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	63.	63.	2
PROTEIN		%	5.2	22.4	2
CATTLE	DIG PROT	% *	3.9	16.9	
GOATS	DIG PROT	% *	4.0	17.4	
HORSES	DIG PROT	% *	3.8	16.5	
RABBITS	DIG PROT	% *	3.7	15.9	
SHEEP	DIG PROT	% *	4.1	17.8	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-13-091					
DRY MATTER		%	21.2	100.0	1
PROTEIN		%	2.7	12.9	1
CATTLE	DIG PROT	% *	1.9	8.9	
GOATS	DIG PROT	% *	1.8	8.6	
HORSES	DIG PROT	% *	1.8	8.5	
RABBITS	DIG PROT	% *	1.8	8.6	
SHEEP	DIG PROT	% *	1.9	9.0	
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, TRIFOLIUM REPENS, WHEATGRASS, TALL-FESCUE, ALTA-RYEGRASS, PERENNIAL-CLOVER, WHITE					

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-13-093						
DRY MATTER		%	29.8	100.0		3
OM IN VITRO (TILLY)	DIG COEF	%	57.	57.		2
PROTEIN		%	4.3	14.5		3
CATTLE	DIG PROT	% *	3.0	10.2		
GOATS	DIG PROT	% *	3.0	10.1		
HORSES	DIG PROT	% *	2.9	9.8		
RABBITS	DIG PROT	% *	2.9	9.8		
SHEEP	DIG PROT	% *	3.1	10.5		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-094						
DRY MATTER		%	33.7	100.0	33	8
OM IN VITRO (TILLY)	DIG COEF	%	49.	49.	17	5
PROTEIN		%	4.3	12.9	20	8
CATTLE	DIG PROT	% *	3.0	8.8		
GOATS	DIG PROT	% *	2.9	8.6		
HORSES	DIG PROT	% *	2.9	8.5		
RABBITS	DIG PROT	% *	2.9	8.6		
SHEEP	DIG PROT	% *	3.0	9.0		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-13-095						
DRY MATTER		%	30.6	100.0	19	5
OM IN VITRO (TILLY)	DIG COEF	%	53.	53.		2
PROTEIN		%	4.7	15.5	21	5
CATTLE	DIG PROT	% *	3.4	11.0		
GOATS	DIG PROT	% *	3.4	11.0		
HORSES	DIG PROT	% *	3.3	10.7		
RABBITS	DIG PROT	% *	3.2	10.6		
SHEEP	DIG PROT	% *	3.5	11.4		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, REGROWTH EARLY VEGETATIVE, CUT 2, (2)						
REF NO 2-13-096						
DRY MATTER		%	29.3	100.0	26	8
OM IN VITRO (TILLY)	DIG COEF	%	59.	59.	22	7
PROTEIN		%	4.6	15.7	22	7
CATTLE	DIG PROT	% *	3.3	11.2		
GOATS	DIG PROT	% *	3.3	11.2		
HORSES	DIG PROT	% *	3.2	10.8		
RABBITS	DIG PROT	% *	3.1	10.8		
SHEEP	DIG PROT	% *	3.4	11.6		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, REGROWTH EARLY VEGETATIVE, CUT 3, (2)						
REF NO 2-13-097						
DRY MATTER		%	20.9	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	76.	76.		1
PROTEIN		%	3.9	18.5		1
CATTLE	DIG PROT	% *	2.8	13.6		
GOATS	DIG PROT	% *	2.9	13.8		
HORSES	DIG PROT	% *	2.8	13.2		
RABBITS	DIG PROT	% *	2.7	13.0		
SHEEP	DIG PROT	% *	3.0	14.2		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, WHEATGRASS, TALL-FESCUE, ALTA-CLOVER, STRAWBERRY						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-13-073						
DRY MATTER		%	22.8	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%	62.	62.		1
PROTEIN		%	4.6	20.0		1
CATTLE	DIG PROT	% *	3.4	14.9		
GOATS	DIG PROT	% *	3.5	15.2		
HORSES	DIG PROT	% *	3.3	14.5		
RABBITS	DIG PROT	% *	3.2	14.1		
SHEEP	DIG PROT	% *	3.6	15.6		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 2, (2)						
REF NO 2-13-074						
DRY MATTER		%	19.8	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%	60.	60.		1
PROTEIN		%	4.1	20.7		2
CATTLE	DIG PROT	% *	3.1	15.5		
GOATS	DIG PROT	% *	3.1	15.9		
HORSES	DIG PROT	% *	3.0	15.1		
RABBITS	DIG PROT	% *	2.9	14.7		
SHEEP	DIG PROT	% *	3.2	16.3		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 3, (2)						
REF NO 2-13-075						
DRY MATTER		%	28.9	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%	59.	59.		1
PROTEIN		%	5.6	19.3		2
CATTLE	DIG PROT	% *	4.1	14.3		
GOATS	DIG PROT	% *	4.2	14.5		
HORSES	DIG PROT	% *	4.0	13.9		
RABBITS	DIG PROT	% *	3.9	13.5		
SHEEP	DIG PROT	% *	4.3	14.9		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 4, (2)						
REF NO 2-13-076						
DRY MATTER		%	35.2	100.0		1
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 5, (2)						
REF NO 2-13-077						
DRY MATTER		%	21.2	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	57.	57.		1
PROTEIN		%	3.9	18.3		1
CATTLE	DIG PROT	% *	2.9	13.4		
GOATS	DIG PROT	% *	2.9	13.6		
HORSES	DIG PROT	% *	2.8	13.1		
RABBITS	DIG PROT	% *	2.7	12.8		
SHEEP	DIG PROT	% *	3.0	14.0		
AGROPYRON ELONGATUM, FESTUCA ARUNDINACEA, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 7, (2)						
REF NO 2-13-078						
DRY MATTER		%	26.3	100.0		1
PROTEIN		%	3.8	14.6		1
CATTLE	DIG PROT	% *	2.7	10.3		
GOATS	DIG PROT	% *	2.7	10.2		
HORSES	DIG PROT	% *	2.6	9.9		
RABBITS	DIG PROT	% *	2.6	9.9		
SHEEP	DIG PROT	% *	2.8	10.6		
AGROPYRON SPP, WHEATGRASS						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
AGROPYRON SPP, AERIAL PART, FRESH, (2)					
REF NO 2-05-365					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.8	
ASH		%		6.2	1
ETHER EXTRACT		%		1.7	1
PROTEIN		%		7.7	1
CATTLE	DIG PROT	% *		4.4	
GOATS	DIG PROT	% *		3.7	
HORSES	DIG PROT	% *		4.0	
RABBITS	DIG PROT	% *		4.6	
SHEEP	DIG PROT	% *		4.1	
AGROSTIS ALBA, REDTOP					
AGROSTIS ALBA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-03-690					
DRY MATTER		%	25.0	100.0	1
ORGANIC MATTER		%	22.5	90.0	1
ASH		%	2.5	10.0	1
CRUDE FIBER		%	7.2	28.7	1
ETHER EXTRACT		%	0.5	2.1	1
NITROGEN FREE EXTRACT		%	12.4	49.6	1
PROTEIN		%	2.4	9.6	1
CATTLE	DIG PROT	% *	1.5	6.1	
GOATS	DIG PROT	% *	1.4	5.5	
HORSES	DIG PROT	% *	1.4	5.7	
RABBITS	DIG PROT	% *	1.5	6.1	
SHEEP	DIG PROT	% *	1.5	5.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.65	2.60	
SHEEP	DE	MCAL/KG *	0.66	2.64	
CATTLE	ME	MCAL/KG *	0.53	2.14	
SHEEP	ME	MCAL/KG *	0.54	2.16	
CATTLE	NE-M	MCAL/KG *	0.32	1.26	
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.63	
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.32	
CATTLE		TDN % *	14.8	59.[illegible]	
SHEEP		TDN % *	15.0	59.8	
CALCIUM		%	0.06	0.24	1
PHOSPHORUS		%	0.03	0.13	1
AGROSTIS BREVICULMIS, BENTGRASS, BREVICULMIS					
AGROSTIS BREVICULMIS BREVICULMIS, AERIAL PART, FRESH, (2)					
REF NO 2-11-234					
DRY MATTER		%		100.0	
PROTEIN		%		6.4	1
CATTLE	DIG PROT	% *		3.4	
GOATS	DIG PROT	% *		2.6	
HORSES	DIG PROT	% *		3.0	
RABBITS	DIG PROT	% *		3.6	
SHEEP	DIG PROT	% *		3.0	
CALCIUM		%		0.13	1
COBALT		MG/KG		0.034	1
COPPER		MG/KG		3.1	1
MANGANESE		MG/KG		83.4	1
MOLYBDENUM		MG/KG		0.22	1
PHOSPHORUS		%		0.09	1
ZINC		MG/KG		15.2	1
AGROSTIS BREVICULMIS BREVICULMIS, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-11-809					
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		65.	1
PROTEIN		%		10.2	1
CATTLE	DIG PROT	% *		6.6	
GOATS	DIG PROT	% *		6.1	
HORSES	DIG PROT	% *		6.2	
RABBITS	DIG PROT	% *		6.5	
SHEEP	DIG PROT	% *		6.5	
CELL WALLS (VAN SOEST)		%		63.8	1
CELL WALLS IN VITRO	DIG COEF	%		45.	1
CELLULOSE (VAN SOEST)		%		26.0	1
FIBER, ACID DETERGENT (VS)		%		33.7	1
HEMICELLULOSE		%		30.1	1
LIGNIN KMNO4 (VS)		%		9.7	1
AGROSTIS BREVICULMIS BREVICULMIS, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-11-810					
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		74.	1
PROTEIN		%		12.3	1
CATTLE	DIG PROT	% *		8.3	
GOATS	DIG PROT	% *		8.0	
HORSES	DIG PROT	% *		8.0	
RABBITS	DIG PROT	% *		8.2	
SHEEP	DIG PROT	% *		8.5	
CELL WALLS (VAN SOEST)		%		69.0	1
CELL WALLS IN VITRO	DIG COEF	%		62.	1
CELLULOSE (VAN SOEST)		%		25.4	1
FIBER, ACID DETERGENT (VS)		%		33.9	1
HEMICELLULOSE		%		35.1	1
LIGNIN KMNO4 (VS)		%		5.2	1
AGROSTIS BREVICULMIS BREVICULMIS, AERIAL PART, FRESH FERTILIZED, FULL BLOOM, (2)					
REF NO 2-11-808					
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		72.	1
PROTEIN		%		15.5	1
CATTLE	DIG PROT	% *		11.1	
GOATS	DIG PROT	% *		11.0	
HORSES	DIG PROT	% *		10.7	
RABBITS	DIG PROT	% *		10.6	
SHEEP	DIG PROT	% *		11.4	
CELL WALLS (VAN SOEST)		%		69.6	1
CELL WALLS IN VITRO	DIG COEF	%		60.	1
CELLULOSE (VAN SOEST)		%		23.5	1
FIBER, ACID DETERGENT (VS)		%		30.3	1
HEMICELLULOSE		%		39.3	1
LIGNIN KMNO4 (VS)		%		5.7	1
AGROSTIS SPP, BENTGRASS					
AGROSTIS SPP, HAY, S-C, LATE VEGETATIVE, (1)					
REF NO 1-13-584					
DRY MATTER		%	97.3	100.0	1
PROTEIN		%	13.2	13.6	1
CATTLE	DIG PROT	% *	8.5	8.7	
GOATS	DIG PROT	% *	9.0	9.2	
HORSES	DIG PROT	% *	8.8	9.1	
RABBITS	DIG PROT	% *	8.9	9.2	
SHEEP	DIG PROT	% *	8.5	8.8	
AGROSTIS SPP, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)					
REF NO 1-13-583					
DRY MATTER		%	95.8	100.0	1
PROTEIN		%	15.3	16.0	1
CATTLE	DIG PROT	% *	10.3	10.8	
GOATS	DIG PROT	% *	11.0	11.5	
HORSES	DIG PROT	% *	10.6	11.1	
RABBITS	DIG PROT	% *	10.6	11.0	
SHEEP	DIG PROT	% *	10.5	10.9	
AGROSTIS SPP, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-11-235					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		89.0	
ASH		%		11.0	3
PROTEIN		%		9.6	3
CATTLE	DIG PROT	% *		6.1	
GOATS	DIG PROT	% *		5.5	
HORSES	DIG PROT	% *		5.7	
RABBITS	DIG PROT	% *		6.1	
SHEEP	DIG PROT	% *		5.9	
CALCIUM		%		0.34	3
COPPER		MG/KG		5.2	3
MANGANESE		MG/KG		460.6	3
MOLYBDENUM		MG/KG		1.32	3
PHOSPHORUS		%		0.23	3
ZINC		MG/KG		30.7	3
AGROSTIS STOLONIFERA, BENTGRASS, STOLONIFERA					

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AGROSTIS STOLONIFERA STOLONIFERA, AERIAL PART, FRESH, (2)						
REF NO 2-11-236						
DRY MATTER		%	19.0	100.0		1
ORGANIC MATTER		%	16.7	87.9		
ASH		%	2.3	12.1		1
CRUDE FIBER		%	4.1	21.6		1
ETHER EXTRACT		%	0.5	2.6		1
NITROGEN FREE EXTRACT		%	10.0	52.6		1
PROTEIN		%	2.1	11.1		1
CATTLE	DIG PROT	% *	1.4	7.3		
GOATS	DIG PROT	% *	1.3	6.9		
HORSES	DIG PROT	% *	1.3	6.9		
RABBITS	DIG PROT	% *	1.4	7.2		
SHEEP	DIG PROT	% *	1.4	7.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.99		
SHEEP	DE	MCAL/KG *	0.53	2.80		
CATTLE	ME	MCAL/KG *	0.47	2.45		
SHEEP	ME	MCAL/KG *	0.44	2.30		
CATTLE	NE-M	MCAL/KG *	0.28	1.49		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.91		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.62		
CATTLE		TDN % *	12.9	67.9		
SHEEP		TDN % *	12.1	63.6		
CALCIUM		%	0.22	1.16		1
MAGNESIUM		%	0.04	0.21		1
PHOSPHORUS		%	0.02	0.11		1
AGROSTIS TENUIS, BENTGRASS, COLONIAL						
AGROSTIS TENUIS COLONIAL, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)						
REF NO 1-13-585						
DRY MATTER		%	96.8	100.0		1
PROTEIN		%	11.2	11.6		1
CATTLE	DIG PROT	% *	6.8	7.0		
GOATS	DIG PROT	% *	7.1	7.4		
HORSES	DIG PROT	% *	7.1	7.4		
RABBITS	DIG PROT	% *	7.4	7.6		
SHEEP	DIG PROT	% *	6.8	7.0		
ALCHEMILLA PINNATA, LADYSMANTLE, PINNATA						
ALCHEMILLA PINNATA PINNATA, AERIAL PART, FRESH, (2)						
REF NO 2-11-224						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.6		
ASH		%		9.4	31	9
CRUDE FIBER		%		28.9		2
ETHER EXTRACT		%		3.4	27	5
NITROGEN FREE EXTRACT		%		47.3		2
PROTEIN		%		10.9	34	8
CATTLE	DIG PROT	% *		7.2		
GOATS	DIG PROT	% *		6.7		
HORSES	DIG PROT	% *		6.8		
RABBITS	DIG PROT	% *		7.1		
SHEEP	DIG PROT	% *		7.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.79		
SHEEP	DE	MCAL/KG *		2.68		
CATTLE	ME	MCAL/KG *		2.29		
SHEEP	ME	MCAL/KG *		2.20		
CATTLE	NE-M	MCAL/KG *		1.37		
CATTLE	NE-GAIN	MCAL/KG *		0.77		
CATTLE	NE-LACTATION	MCAL/KG *		1.46		
CATTLE		TDN % *		63.3		
SHEEP		TDN % *		60.9		
CALCIUM		%		1.90	37	5
COBALT		MG/KG		0.518		2
COPPER		MG/KG		12.3	39	4
MANGANESE		MG/KG		421.3	93	4
MOLYBDENUM		MG/KG		0.50	79	4
PHOSPHORUS		%		0.24	9	4
ZINC		MG/KG		56.5		3
ALCHEMILLA PINNATA PINNATA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-11-811						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY) DIG COEF		%		66.		1
CELL WALLS (VAN SOEST)		%		39.9		1
CELL WALLS IN VITRO DIG COEF		%		16.		1
CELLULOSE (VAN SOEST)		%		21.9		1
FIBER, ACID DETERGENT (VS)		%		33.0		1
HEMICELLULOSE		%		6.9		1
LIGNIN KMNO4 (VS)		%		9.1		1
ALCHEMILLA PINNATA PINNATA, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, (2)						
REF NO 2-11-812						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY) DIG COEF		%		85.		1
CELL WALLS (VAN SOEST)		%		28.4		1
CELL WALLS IN VITRO DIG COEF		%		46.		1
CELLULOSE (VAN SOEST)		%		17.2		1
FIBER, ACID DETERGENT (VS)		%		24.5		1
HEMICELLULOSE		%		3.9		1
LIGNIN KMNO4 (VS)		%		6.9		1
ALLIUM CEPA, ONION, GARDEN						
ALLIUM CEPA GARDEN, BULBS, COOKED, MATURE, (4)						
REF NO 4-15-407						
DRY MATTER		%	70.7	100.0		2
ORGANIC MATTER		%	70.2	99.4		
ASH		%	0.4	0.6		2
CRUDE FIBER		%	1.0	1.5		2
ETHER EXTRACT		%	0.1	0.1		2
NITROGEN FREE EXTRACT		%	67.7	95.8		
PROTEIN		%	1.4	2.0		2
CATTLE	DIG PROT	% *	-1.5	-2.2		
GOATS	DIG PROT	% *	-0.7	-0.9		
HORSES	DIG PROT	% *	-0.7	-0.9		
SHEEP	DIG PROT	% *	-0.7	-0.9		
CALCIUM		%	0.04	0.06		2
IRON		%	0.004	0.006		2
PHOSPHORUS		%	0.04	0.06		2
ASCORBIC ACID		MG/KG	155.3	219.8		2
NIACIN		MG/KG	5.3	7.6		2
RIBOFLAVIN		MG/KG	2.5	3.6		2
THIAMINE		MG/KG	0.5	0.7		2
VITAMIN A EQUIV		IU/G	2.0	2.8		
ALLIUM CEPA GARDEN, BULBS, DEHY, MATURE, (4)						
REF NO 4-13-644						
DRY MATTER		%	92.2	100.0		1
ORGANIC MATTER		%	87.4	94.8		
ASH		%	4.8	5.2	13	6
CRUDE FIBER		%	3.4	3.7	22	6
ETHER EXTRACT		%	2.0	2.2	17	6
NITROGEN FREE EXTRACT		%	71.6	77.6	2	5
PROTEIN		%	10.4	11.3	14	6
CATTLE	DIG PROT	% *	5.9	6.4		
GOATS	DIG PROT	% *	7.0	7.6		
HORSES	DIG PROT	% *	7.0	7.6		
SHEEP	DIG PROT	% *	7.0	7.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.87	3.11		
SHEEP	DE	MCAL/KG *	3.39	3.67		
SWINE	DE	KCAL/KG *	3368.	3653.		
CATTLE	ME	MCAL/KG *	2.35	2.55		
SHEEP	ME	MCAL/KG *	2.78	3.01		
SWINE	ME	KCAL/KG *	3157.	3424.		
CATTLE	NE-M	MCAL/KG *	1.44	1.56		
CATTLE	NE-GAIN	MCAL/KG *	0.91	0.99		
CATTLE	NE-LACTATION	MCAL/KG *	1.58	1.71		
CATTLE		TDN % *	65.0	70.5		
SHEEP		TDN % *	76.8	83.3		
SWINE		TDN % *	76.4	82.9		
ALLIUM CEPA GARDEN, ENTIRE PLANT, FRESH, MATURE, (4)						
REF NO 4-13-223						
DRY MATTER		%	11.8	100.0		2
ORGANIC MATTER		%	11.5	97.4		
ASH		%	0.3	2.6		2
CRUDE FIBER		%	0.6	4.7		2
ETHER EXTRACT		%	0.2	1.7		2
NITROGEN FREE EXTRACT		%	9.8	83.4		
PROTEIN		%	0.9	7.6		2
CATTLE	DIG PROT	% *	0.4	3.0		
GOATS	DIG PROT	% *	0.5	4.2		
HORSES	DIG PROT	% *	0.5	4.2		
SHEEP	DIG PROT	% *	0.5	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.40	3.40		
SHEEP	DE	MCAL/KG *	0.44	3.75		
SWINE	DE	KCAL/KG *	491.	3822.		
CATTLE	ME	MCAL/KG *	0.33	2.79		
SHEEP	ME	MCAL/KG *	0.36	3.08		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
SWINE	ME KCAL/KG *	426.	3610.	
CATTLE	NE-M MCAL/KG *	0.21	1.76	
CATTLE	NE-GAIN MCAL/KG *	0.14	1.17	
CATTLE	NE-LACTATION MCAL/KG *	0.23	1.94	
CATTLE	TDN % *	9.1	77.1	
SHEEP	TDN % *	10.0	85.2	
SWINE	TDN % *	10.2	86.7	
CALCIUM	%	0.04	0.30	2
IRON	%	0.007	0.060	1
PHOSPHORUS	%	0.04	0.31	2
ASCORBIC ACID	MG/KG	59.9	507.4	2
NIACIN	MG/KG	4.5	38.4	2
RIBOFLAVIN	MG/KG	0.6	5.3	2
THIAMINE	MG/KG	0.4	3.5	2
VITAMIN A EQUIV	IU/G	2.0	16.7	

ALLIUM PORRUM, LEEK

ALLIUM PORRUM, ENTIRE PLANT, FRESH, MATURE, (4)

REF NO 4-13-350

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.8	100.0	1
ORGANIC MATTER	%	22.0	96.5	
ASH	%	0.8	3.5	1
CRUDE FIBER	%	1.8	7.9	1
ETHER EXTRACT	%	0.1	0.4	1
NITROGEN FREE EXTRACT	%	18.5	81.1	
PROTEIN	%	1.6	7.0	1
CATTLE	DIG PROT % *	0.6	2.5	
GOATS	DIG PROT % *	0.8	3.7	
HORSES	DIG PROT % *	0.8	3.7	
SHEEP	DIG PROT % *	0.8	3.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.76	3.34	
SHEEP	DE MCAL/KG *	0.84	3.68	
SWINE	DE KCAL/KG *	870.	3817.	
CATTLE	ME MCAL/KG *	0.62	2.74	
SHEEP	ME MCAL/KG *	0.69	3.01	
SWINE	ME KCAL/KG *	823.	3610.	
CATTLE	NE-M MCAL/KG *	0.39	1.72	
CATTLE	NE-GAIN MCAL/KG *	0.26	1.13	
CATTLE	NE-LACTATION MCAL/KG *	0.43	1.89	
CATTLE	TDN % *	17.3	75.8	
SHEEP	TDN % *	19.0	83.4	
SWINE	TDN % *	19.7	86.6	
CALCIUM	%	0.06	0.26	1
IRON	%	0.002	0.009	1
PHOSPHORUS	%	0.06	0.26	1
ASCORBIC ACID	MG/KG	230.0	1008.8	1
NIACIN	MG/KG	31.0	136.0	1
RIBOFLAVIN	MG/KG	2.4	10.5	1
THIAMINE	MG/KG	0.6	2.6	1
VITAMIN A EQUIV	IU/G	2.7	11.7	

ALLIUM SATIVUM, GARLIC

ALLIUM SATIVUM, ROOTS, FRESH, (4)

REF NO 4-13-222

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	40.3	100.0	1
ORGANIC MATTER	%	39.3	97.5	
ASH	%	1.0	2.5	1
CRUDE FIBER	%	0.9	2.2	1
ETHER EXTRACT	%	0.2	0.5	1
NITROGEN FREE EXTRACT	%	31.4	77.9	
PROTEIN	%	6.8	16.9	1
CATTLE	DIG PROT % *	4.6	11.5	
GOATS	DIG PROT % *	5.1	12.7	
HORSES	DIG PROT % *	5.1	12.7	
SHEEP	DIG PROT % *	5.1	12.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.38	3.44	
SHEEP	DE MCAL/KG *	1.56	3.88	
SWINE	DE KCAL/KG *	1489.	3696.	
CATTLE	ME MCAL/KG *	1.14	2.82	
SHEEP	ME MCAL/KG *	1.28	3.18	
SWINE	ME KCAL/KG *	1379.	3422.	
CATTLE	NE-M MCAL/KG *	0.72	1.79	
CATTLE	NE-GAIN MCAL/KG *	0.48	1.19	
CATTLE	NE-LACTATION MCAL/KG *	0.79	1.97	
CATTLE	TDN % *	31.4	77.9	
SHEEP	TDN % *	35.5	88.0	
SWINE	TDN % *	33.6	83.6	
CALCIUM	%	0.02	0.05	1
IRON	%	0.002	0.005	1
PHOSPHORUS	%	0.12	0.30	1
ASCORBIC ACID	MG/KG	110.0	273.0	1
NIACIN	MG/KG	3.9	9.7	1
RIBOFLAVIN	MG/KG	1.8	4.5	1
THIAMINE	MG/KG	2.2	5.5	1

ALPINIA SPECIOSA, GALANGAL, SHELLFLOWER

ALPINIA SPECIOSA SHELLFLOWER, AERIAL PART, FRESH, (2)

REF NO 2-13-801

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	20.0	100.0	1
ORGANIC MATTER	%	17.6	88.1	1
ASH	%	2.4	11.9	1
CRUDE FIBER	%	4.9	24.6	1
ETHER EXTRACT	%	0.7	3.4	1
NITROGEN FREE EXTRACT	%	10.7	53.6	1
PROTEIN	%	1.3	6.5	1
CATTLE	DIG PROT % *	0.7	3.4	
GOATS	DIG PROT % *	0.5	2.6	
HORSES	DIG PROT % *	0.6	3.0	
RABBITS	DIG PROT % *	0.7	3.7	
SHEEP	DIG PROT % *	0.6	3.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.61	3.05	
SHEEP	DE MCAL/KG *	0.53	2.67	
CATTLE	ME MCAL/KG *	0.50	2.50	
SHEEP	ME MCAL/KG *	0.44	2.19	
CATTLE	NE-M MCAL/KG *	0.30	1.52	
CATTLE	NE-GAIN MCAL/KG *	0.19	0.95	
CATTLE	NE-LACTATION MCAL/KG *	0.33	1.67	
CATTLE	TDN % *	13.8	69.1	
SHEEP	TDN % *	12.1	60.5	
CALCIUM	%	0.13	0.66	1
PHOSPHORUS	%	0.05	0.24	1

ALPINIA SPECIOSA SHELLFLOWER, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-667

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	19.8	100.0	1
ORGANIC MATTER	%	17.7	89.5	1
ASH	%	2.1	10.5	1
CRUDE FIBER	%	5.7	28.6	1
ETHER EXTRACT	%	1.0	5.2	1
NITROGEN FREE EXTRACT	%	8.3	42.1	1
PROTEIN	%	2.7	13.6	1
CATTLE	DIG PROT % *	1.9	9.5	
GOATS	DIG PROT % *	1.8	9.2	
HORSES	DIG PROT % *	1.8	9.1	
RABBITS	DIG PROT % *	1.8	9.2	
SHEEP	DIG PROT % *	1.9	9.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.62	3.11	
SHEEP	DE MCAL/KG *	0.54	2.75	
CATTLE	ME MCAL/KG *	0.50	2.55	
SHEEP	ME MCAL/KG *	0.45	2.25	
CATTLE	NE-M MCAL/KG *	0.31	1.56	
CATTLE	NE-GAIN MCAL/KG *	0.20	0.99	
CATTLE	NE-LACTATION MCAL/KG *	0.34	1.71	
CATTLE	TDN % *	13.9	70.5	
SHEEP	TDN % *	12.3	62.3	
CALCIUM	%	0.14	0.72	1
PHOSPHORUS	%	0.05	0.25	1

ALTERNANTHERA FICOIDEA, ALTERNANTHERA, RABBITHEAT

ALTERNANTHERA FICOIDEA RABBITHEAT, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-668

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	16.4	100.0	1
ORGANIC MATTER	%	14.0	85.2	1
ASH	%	2.4	14.7	1
CRUDE FIBER	%	5.3	32.5	1
ETHER EXTRACT	%	0.1	0.6	1
NITROGEN FREE EXTRACT	%	6.0	36.6	1
PROTEIN	%	2.6	15.6	1
CATTLE	DIG PROT % *	1.8	11.2	
GOATS	DIG PROT % *	1.8	11.1	
HORSES	DIG PROT % *	1.8	10.8	
RABBITS	DIG PROT % *	1.8	10.7	
SHEEP	DIG PROT % *	1.9	11.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.49	2.98	
SHEEP	DE MCAL/KG *	0.40	2.42	
CATTLE	ME MCAL/KG *	0.40	2.45	
SHEEP	ME MCAL/KG *	0.32	1.98	
CATTLE	NE-M MCAL/KG *	0.24	1.48	
CATTLE	NE-GAIN MCAL/KG *	0.15	0.91	
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.62	
CATTLE	TDN % *	11.1	67.7	
SHEEP	TDN % *	9.0	54.8	
CALCIUM	%	0.14	0.84	1
PHOSPHORUS	%	0.04	0.25	1

ALTERNANTHERA HALIMIFOLIA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ALTERNANTHERA HALIMIFOLIA HALIMIFOLIA, LEAVES, DEHY, (1)				
REF NO 1-11-023				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		86.9	
ASH	%		13.1	1
CRUDE FIBER	%		12.1	1
ETHER EXTRACT	%		1.7	1
NITROGEN FREE EXTRACT	%		51.9	1
PROTEIN	%		21.2	1
CATTLE DIG PROT	% *		15.3	
GOATS DIG PROT	% *		16.3	
HORSES DIG PROT	% *		15.5	
RABBITS DIG PROT	% *		15.0	
SHEEP DIG PROT	% *		15.6	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *		2.97	
SHEEP ME	MCAL/KG *		2.44	
SHEEP TDN	% *		67.4	
ALTERNANTHERA HALIMIFOLIA HALIMIFOLIA, AERIAL PART, FRESH, (2)				
REF NO 2-11-024				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		79.1	
ASH	%		20.9	1
CRUDE FIBER	%		28.3	1
ETHER EXTRACT	%		1.4	1
NITROGEN FREE EXTRACT	%		30.7	1
PROTEIN	%		18.7	1
CATTLE DIG PROT	% *		13.8	
GOATS DIG PROT	% *		14.0	
HORSES DIG PROT	% *		13.4	
RABBITS DIG PROT	% *		13.1	
SHEEP DIG PROT	% *		14.4	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *		2.37	
SHEEP ME	MCAL/KG *		1.94	
SHEEP TDN	% *		53.7	
AMARANTHUS CAUDATUS, AMARANTH, LOVE-LIES-BLEEDING				
AMARANTHUS CAUDATUS LOVE-LIES-BLEEDING, SEEDS, (4)				
REF NO 4-13-193				
DRY MATTER	%	89.6	100.0	1
ORGANIC MATTER	%	86.5	96.5	
ASH	%	3.1	3.5	1
CRUDE FIBER	%	4.6	5.1	1
ETHER EXTRACT	%	7.1	7.9	1
NITROGEN FREE EXTRACT	%	62.6	69.9	
PROTEIN	%	12.2	13.6	1
CATTLE DIG PROT	% *	7.6	8.5	
GOATS DIG PROT	% *	8.7	9.7	
HORSES DIG PROT	% *	8.7	9.7	
SHEEP DIG PROT	% *	8.7	9.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	3.36	3.75	
SHEEP DE	MCAL/KG *	3.33	3.72	
SWINE DE	KCAL/KG *	3355.	3745.	
CATTLE ME	MCAL/KG *	2.75	3.07	
SHEEP ME	MCAL/KG *	2.73	3.05	
SWINE ME	KCAL/KG *	3129.	3492.	
CATTLE NE-M	MCAL/KG *	1.82	2.04	
CATTLE NE-GAIN	MCAL/KG *	1.21	1.35	
CATTLE NE-LACTATION	MCAL/KG *	1.98	2.21	
CATTLE TDN	% *	76.1	85.0	
SHEEP TDN	% *	75.6	84.3	
SWINE TDN	% *	76.1	84.9	
CALCIUM	%	0.14	0.16	1
IRON	%	0.015	0.017	1
PHOSPHORUS	%	0.61	0.68	1
ASCORBIC ACID	MG/KG	4.4	4.9	1
RIBOFLAVIN	MG/KG	2.2	2.5	1
THIAMINE	MG/KG	4.4	4.9	1
AMARANTHUS DUBIENS, AMARANTH, DUBIENS				
AMARANTHUS DUBIENS DUBIENS, AERIAL PART, FRESH, (2)				
REF NO 2-13-858				
DRY MATTER	%	12.7	100.0	1
ORGANIC MATTER	%	9.9	77.6	
ASH	%	2.8	22.4	1
CRUDE FIBER	%	2.0	15.4	1
ETHER EXTRACT	%	0.3	2.5	1
NITROGEN FREE EXTRACT	%	4.6	36.3	1
PROTEIN	%	3.0	23.4	1
CATTLE DIG PROT	% *	2.3	17.8	
GOATS DIG PROT	% *	2.3	18.4	
HORSES DIG PROT	% *	2.2	17.4	
RABBITS DIG PROT	% *	2.1	16.7	
SHEEP DIG PROT	% *	2.4	18.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.25	1.93	
SHEEP DE	MCAL/KG *	0.33	2.60	
CATTLE ME	MCAL/KG *	0.20	1.58	
SHEEP ME	MCAL/KG *	0.27	2.13	
CATTLE NE-M	MCAL/KG *	0.12	0.95	
CATTLE NE-GAIN	MCAL/KG *	0.00	0.00	
CATTLE NE-LACTATION	MCAL/KG *	0.10	0.79	
CATTLE TDN	% *	5.6	43.8	
SHEEP TDN	% *	7.5	58.9	
AMARANTHUS HYBRIDUS, AMARANTH, SLIM				
AMARANTHUS HYBRIDUS SLIM, LEAVES, FREEZE DEHY, (1)				
REF NO 1-11-257				
DRY MATTER	%	89.4	100.0	1
ORGANIC MATTER	%	71.2	79.6	1
ASH	%	18.2	20.4	1
CRUDE FIBER	%	10.0	11.2	1
ETHER EXTRACT	%	5.4	6.0	1
NITROGEN FREE EXTRACT	%	21.8	24.4	1
PROTEIN	%	34.0	38.0	1
CATTLE DIG PROT	% *	26.7	29.9	
GOATS DIG PROT	% *	28.6	32.0	
HORSES DIG PROT	% *	26.7	29.8	
RABBITS DIG PROT	% *	25.1	28.0	
SHEEP DIG PROT	% *	27.4	30.7	
AMARANTHUS RETROFLEXUS, AMARANTH, REDROOT				
AMARANTHUS RETROFLEXUS REDROOT, AERIAL PART, FRESH, (2)				
REF NO 2-13-859				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		78.8	
ASH	%		21.2	1
CRUDE FIBER	%		14.5	1
ETHER EXTRACT	%		2.4	1
NITROGEN FREE EXTRACT	%		39.2	1
PROTEIN	%		22.7	1
CATTLE DIG PROT	% *		17.2	
GOATS DIG PROT	% *		17.7	
HORSES DIG PROT	% *		16.8	
RABBITS DIG PROT	% *		16.2	
SHEEP DIG PROT	% *		18.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.10	
SHEEP DE	MCAL/KG *		2.67	
CATTLE ME	MCAL/KG *		1.72	
SHEEP ME	MCAL/KG *		2.19	
CATTLE NE-M	MCAL/KG *		1.02	
CATTLE NE-GAIN	MCAL/KG *		0.18	
CATTLE NE-LACTATION	MCAL/KG *		0.93	
CATTLE TDN	% *		47.7	
SHEEP TDN	% *		60.5	
AMARANTHUS SPINOSUS, AMARANTH, SPINY				
AMARANTHUS SPINOSUS SPINY, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-13-669				
DRY MATTER	%	15.0	100.0	1
ORGANIC MATTER	%	1.3	8.5	1
ASH	%	2.1	14.0	1
CRUDE FIBER	%	5.3	35.3	1
ETHER EXTRACT	%	0.1	0.9	1
NITROGEN FREE EXTRACT	%	5.4	36.2	1
PROTEIN	%	2.0	13.6	1
CATTLE DIG PROT	% *	1.4	9.5	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT % *	1.4	9.2	
HORSES	DIG PROT % *	1.4	9.1	
RABBITS	DIG PROT % *	1.4	9.2	
SHEEP	DIG PROT % *	1.4	9.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.43	2.88	
SHEEP	DE MCAL/KG *	0.36	2.40	
CATTLE	ME MCAL/KG *	0.35	2.36	
SHEEP	ME MCAL/KG *	0.29	1.97	
CATTLE	NE-M MCAL/KG *	0.21	1.41	
CATTLE	NE-GAIN MCAL/KG *	0.12	0.83	
CATTLE	NE-LACTATION MCAL/KG *	0.23	1.53	
CATTLE	TDN % *	9.8	65.2	
SHEEP	TDN % *	8.2	54.4	
CALCIUM	%	0.05	0.33	1
PHOSPHORUS	%	0.05	0.35	1

AMARANTHUS SPP. AMARANTH

AMARANTHUS SPP. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-11-020

DRY MATTER	%	30.7	100.0	1
ORGANIC MATTER	%	27.2	88.7	
ASH	%	3.5	11.3	1
CRUDE FIBER	%	6.2	20.3	1
ETHER EXTRACT	%	0.5	1.6	1
NITROGEN FREE EXTRACT	%	16.2	52.7	1
PROTEIN	%	4.3	14.1	1
CATTLE	DIG PROT % *	3.0	9.9	
GOATS	DIG PROT % *	3.0	9.7	
HORSES	DIG PROT % *	2.9	9.5	
RABBITS	DIG PROT % *	2.9	9.6	
SHEEP	DIG PROT % *	3.1	10.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.89	2.90	
SHEEP	DE MCAL/KG *	0.88	2.87	
CATTLE	ME MCAL/KG *	0.73	2.37	
SHEEP	ME MCAL/KG *	0.72	2.35	
CATTLE	NE-M MCAL/KG *	0.44	1.43	
CATTLE	NE-GAIN MCAL/KG *	0.26	0.85	
CATTLE	NE-LACTATION MCAL/KG *	0.47	1.55	
CATTLE	TDN % *	20.2	65.7	
SHEEP	TDN % *	20.0	65.1	

AMARANTHUS STANDLEYANUS. AMARANTH. STANDLEYANUS

AMARANTHUS STANDLEYANUS STANDLEYANUS. AERIAL PART. FRESH. (2)

REF NO 2-11-021

DRY MATTER	%	19.8	100.0	1
ORGANIC MATTER	%	17.4	88.0	
ASH	%	2.4	12.0	1
CRUDE FIBER	%	2.0	10.3	1
ETHER EXTRACT	%	0.6	2.8	1
NITROGEN FREE EXTRACT	%	12.3	62.2	1
PROTEIN	%	2.5	12.7	1
CATTLE	DIG PROT % *	1.7	8.7	
GOATS	DIG PROT % *	1.7	8.4	
HORSES	DIG PROT % *	1.6	8.3	
RABBITS	DIG PROT % *	1.7	8.5	
SHEEP	DIG PROT % *	1.7	8.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.80	4.03	
SHEEP	DE MCAL/KG *	0.65	3.30	
CATTLE	ME MCAL/KG *	0.65	3.30	
SHEEP	ME MCAL/KG *	0.54	2.70	
CATTLE	NE-M MCAL/KG *	0.45	2.29	
CATTLE	NE-GAIN MCAL/KG *	0.29	1.48	
CATTLE	NE-LACTATION MCAL/KG *	0.48	2.43	
CATTLE	TDN % *	18.1	91.4	
SHEEP	TDN % *	14.8	74.7	

AMARANTHUS VIRIDIS. AMARANTH. VIRIDIS

AMARANTHUS VIRIDIS VIRIDIS. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-13-671

DRY MATTER	%	11.5	100.0	2
ORGANIC MATTER	%	9.1	79.5	2
ASH	%	2.4	20.6	2
CRUDE FIBER	%	1.9	16.9	2
ETHER EXTRACT	%	0.2	1.5	2
NITROGEN FREE EXTRACT	%	4.4	38.7	2
PROTEIN	%	2.6	22.4	2
CATTLE	DIG PROT % *	1.9	16.9	
GOATS	DIG PROT % *	2.0	17.4	
HORSES	DIG PROT % *	1.9	16.5	
RABBITS	DIG PROT % *	1.8	15.9	
SHEEP	DIG PROT % *	2.0	17.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.26	2.23	
SHEEP	DE MCAL/KG *	0.30	2.59	
CATTLE	ME MCAL/KG *	0.21	1.83	
SHEEP	ME MCAL/KG *	0.24	2.12	
CATTLE	NE-M MCAL/KG *	0.12	1.08	
CATTLE	NE-GAIN MCAL/KG *	0.03	0.30	
CATTLE	NE-LACTATION MCAL/KG *	0.12	1.03	
CATTLE	TDN % *	5.8	50.6	
SHEEP	TDN % *	6.7	58.7	
CALCIUM	%	0.32	2.76	2
PHOSPHORUS	%	0.08	0.71	2

AMARANTHUS VIMIDIS VIRIDIS. AERIAL PART. FRESH. LATE BLOOM. (2)

REF NO 2-13-276

DRY MATTER	%	20.0	100.0	1
ORGANIC MATTER	%	17.1	85.5	
ASH	%	2.9	14.5	1
CRUDE FIBER	%	3.6	18.0	1
ETHER EXTRACT	%	0.4	2.2	1
NITROGEN FREE EXTRACT	%	9.7	48.3	1
PROTEIN	%	3.4	17.0	1
CATTLE	DIG PROT % *	2.5	12.3	
GOATS	DIG PROT % *	2.5	12.4	
HORSES	DIG PROT % *	2.4	12.0	
RABBITS	DIG PROT % *	2.4	11.8	
SHEEP	DIG PROT % *	2.6	12.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.56	2.80	
SHEEP	DE MCAL/KG *	0.57	2.84	
CATTLE	ME MCAL/KG *	0.46	2.30	
SHEEP	ME MCAL/KG *	0.47	2.33	
CATTLE	NE-M MCAL/KG *	0.27	1.37	
CATTLE	NE-GAIN MCAL/KG *	0.16	0.78	
CATTLE	NE-LACTATION MCAL/KG *	0.29	1.47	
CATTLE	TDN % *	12.7	63.5	
SHEEP	TDN % *	12.9	64.4	
CALCIUM	%	0.35	1.76	1
PHOSPHORUS	%	0.05	0.25	1

ANACARDIUM OCCIDENTALE. CASHEW. COMMON

ANACARDIUM OCCIDENTALE COMMON. FRUIT. DEHY GRND. MATURE. (4)

REF NO 4-11-206

DRY MATTER	%	92.3	100.0	1
ORGANIC MATTER	%	90.6	98.2	1
ASH	%	1.7	1.8	1
CRUDE FIBER	%	6.5	7.0	1
ETHER EXTRACT	%	8.9	9.6	1
NITROGEN FREE EXTRACT	%	64.5	69.9	1
PROTEIN	%	10.7	11.6	1
CATTLE	DIG PROT % *	6.1	6.7	
GOATS	DIG PROT % *	7.3	7.9	
HORSES	DIG PROT % *	7.3	7.9	
SHEEP	DIG PROT % *	7.3	7.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.68	3.99	
SHEEP	DE MCAL/KG *	3.45	3.74	
SWINE	DE KCAL/KG *	3447.	3734.	
CATTLE	ME MCAL/KG *	3.02	3.27	
SHEEP	ME MCAL/KG *	2.83	3.07	
SWINE	ME KCAL/KG *	3228.	3497.	
CATTLE	NE-M MCAL/KG *	2.08	2.25	
CATTLE	NE-GAIN MCAL/KG *	1.35	1.47	
CATTLE	NE-LACTATION MCAL/KG *	2.21	2.40	
CATTLE	TDN % *	83.5	90.4	
SHEEP	TDN % *	78.3	84.8	
SWINE	TDN % *	78.2	84.7	
CALCIUM	%	0.16	0.17	1
PHOSPHORUS	%	0.15	0.16	1

ANANAS COMOSUS. PINEAPPLE

ANANAS COMOSUS. AERIAL PART. CHOPPED ENSILED. (3)

REF NO 3-13-618

DRY MATTER	%		100.0	
ORGANIC MATTER	%		86.8	
ASH	%		13.2	1
CRUDE FIBER	%		27.4	1
ETHER EXTRACT	%		2.0	1
NITROGEN FREE EXTRACT	%		49.9	1
PROTEIN	%		7.5	1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	DIG PROT % *		3.1	
GOATS	DIG PROT % *		3.1	
HORSES	DIG PROT % *		3.1	
SHEEP	DIG PROT % *		3.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.48	
SHEEP	DE MCAL/KG *		2.44	
CATTLE	ME MCAL/KG *		2.03	
SHEEP	ME MCAL/KG *		2.00	
CATTLE	NE-M MCAL/KG *		1.20	
CATTLE	NE-GAIN MCAL/KG *		0.52	
CATTLE	NE-LACTATION MCAL/KG *		1.22	
CATTLE	TDN % *		56.1	
SHEEP	TDN % *		55.4	

ANANAS COMOSUS, AERIAL PART W MOLASSES ADDED, CHOPPED ENSILED, (3)

REF NO 3-13-623

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.4	
ASH	%		12.6	3
CRUDE FIBER	%		28.4	3
ETHER EXTRACT	%		2.0	3
NITROGEN FREE EXTRACT	%		49.5	3
PROTEIN	%		7.5	3
CATTLE	DIG PROT % *		3.1	
GOATS	DIG PROT % *		3.1	
HORSES	DIG PROT % *		3.1	
SHEEP	DIG PROT % *		3.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.48	
SHEEP	DE MCAL/KG *		2.44	
CATTLE	ME MCAL/KG *		2.03	
SHEEP	ME MCAL/KG *		2.00	
CATTLE	NE-M MCAL/KG *		1.20	
CATTLE	NE-GAIN MCAL/KG *		0.52	
CATTLE	NE-LACTATION MCAL/KG *		1.22	
CATTLE	TDN % *		56.2	
SHEEP	TDN % *		55.3	

ANANAS COMOSUS, AERIAL PART W 2% MOLASSES ADDED, CHOPPED ENSILED, (3)

REF NO 3-13-619

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		85.2	
ASH	%		14.8	2
CRUDE FIBER	%		29.4	2
ETHER EXTRACT	%		1.9	2
NITROGEN FREE EXTRACT	%		47.2	2
PROTEIN	%		6.8	2
CATTLE	DIG PROT % *		2.4	
GOATS	DIG PROT % *		2.4	
HORSES	DIG PROT % *		2.4	
SHEEP	DIG PROT % *		2.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.40	
SHEEP	DE MCAL/KG *		2.27	
CATTLE	ME MCAL/KG *		1.97	
SHEEP	ME MCAL/KG *		1.86	
CATTLE	NE-M MCAL/KG *		1.16	
CATTLE	NE-GAIN MCAL/KG *		0.46	
CATTLE	NE-LACTATION MCAL/KG *		1.16	
CATTLE	TDN % *		54.5	
SHEEP	TDN % *		51.4	

ANANAS COMOSUS, AERIAL PART W 4% MOLASSES ADDED, CHOPPED ENSILED, (3)

REF NO 3-13-620

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.0	
ASH	%		12.0	2
CRUDE FIBER	%		29.0	2
ETHER EXTRACT	%		1.8	2
NITROGEN FREE EXTRACT	%		49.5	2
PROTEIN	%		7.8	2
CATTLE	DIG PROT % *		3.3	
GOATS	DIG PROT % *		3.3	
HORSES	DIG PROT % *		3.3	
SHEEP	DIG PROT % *		3.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.48	
SHEEP	DE MCAL/KG *		2.43	
CATTLE	ME MCAL/KG *		2.03	
SHEEP	ME MCAL/KG *		1.99	
CATTLE	NE-M MCAL/KG *		1.20	
CATTLE	NE-GAIN MCAL/KG *		0.52	
CATTLE	NE-LACTATION MCAL/KG *		1.22	
CATTLE	TDN % *		56.2	
SHEEP	TDN % *		55.1	

ANANAS COMOSUS, AERIAL PART W 6% MOLASSES ADDED, CHOPPED ENSILED, (3)

REF NO 3-13-621

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.8	
ASH	%		12.2	2
CRUDE FIBER	%		28.4	2
ETHER EXTRACT	%		1.5	2
NITROGEN FREE EXTRACT	%		50.6	2
PROTEIN	%		7.2	2
CATTLE	DIG PROT % *		2.8	
GOATS	DIG PROT % *		2.8	
HORSES	DIG PROT % *		2.8	
SHEEP	DIG PROT % *		2.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.48	
SHEEP	DE MCAL/KG *		2.38	
CATTLE	ME MCAL/KG *		2.03	
SHEEP	ME MCAL/KG *		1.95	
CATTLE	NE-M MCAL/KG *		1.20	
CATTLE	NE-GAIN MCAL/KG *		0.52	
CATTLE	NE-LACTATION MCAL/KG *		1.22	
CATTLE	TDN % *		56.2	
SHEEP	TDN % *		54.1	

ANANAS COMOSUS, AERIAL PART W 8% MOLASSES ADDED, CHOPPED ENSILED, (3)

REF NO 3-13-622

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.7	
ASH	%		12.3	2
CRUDE FIBER	%		27.9	2
ETHER EXTRACT	%		1.3	2
NITROGEN FREE EXTRACT	%		51.4	2
PROTEIN	%		7.1	2
CATTLE	DIG PROT % *		2.7	
GOATS	DIG PROT % *		2.7	
HORSES	DIG PROT % *		2.7	
SHEEP	DIG PROT % *		2.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.48	
SHEEP	DE MCAL/KG *		2.36	
CATTLE	ME MCAL/KG *		2.03	
SHEEP	ME MCAL/KG *		1.94	
CATTLE	NE-M MCAL/KG *		1.20	
CATTLE	NE-GAIN MCAL/KG *		0.52	
CATTLE	NE-LACTATION MCAL/KG *		1.22	
CATTLE	TDN % *		56.2	
SHEEP	TDN % *		53.6	

ANANAS COMOSUS, CANNERY RESIDUE, DEHY, (4)
PINEAPPLE BRAN DRIED
PINEAPPLE PULP DRIED

REF NO 4-03-722

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		97.3	
ASH	%		2.8	2
CRUDE FIBER	%		14.2	2
ETHER EXTRACT	%		5.0	2
NITROGEN FREE EXTRACT	%		74.6	2
PROTEIN	%		3.5	2
CATTLE	DIG PROT % *		-0.8	
GOATS	DIG PROT % *		0.4	
HORSES	DIG PROT % *		0.4	
SHEEP	DIG PROT % *		0.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.97	
SHEEP	DE MCAL/KG *		3.42	
SWINE	DE KCAL/KG *		3415.	
CATTLE	ME MCAL/KG *		2.44	
SHEEP	ME MCAL/KG *		2.81	
SWINE	ME KCAL/KG *		3255.	
CATTLE	NE-M MCAL/KG *		1.47	
CATTLE	NE-GAIN MCAL/KG *		0.90	
CATTLE	NE-LACTATION MCAL/KG *		1.60	
CATTLE	TDN % *		67.4	
SHEEP	TDN % *		77.6	
SWINE	TDN % *		77.5	

ANANAS COMOSUS, FRUIT, FRESH, (4)

REF NO 4-08-122

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	12.1	100.0	1
ORGANIC MATTER	%	11.9	98.3	
ASH	%	0.2	1.7	1
CRUDE FIBER	%	0.4	3.3	1
ETHER EXTRACT	%	0.2	1.7	1
NITROGEN FREE EXTRACT	%	10.7	88.4	
PROTEIN	%	0.6	5.0	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	0.1	0.6		
GOATS	DIG PROT % *	0.2	1.8		
HORSES	DIG PROT % *	0.2	1.8		
SHEEP	DIG PROT % *	0.2	1.8		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.46	3.83		
SWINE	DE KCAL/KG *	474.	3915.		
SHEEP	ME MCAL/KG *	0.38	3.14		
SWINE	ME KCAL/KG *	450.	3719.		
SHEEP	TDN % *	10.5	86.8		
SWINE	TDN % *	10.7	88.8		
CALCIUM	%	0.02	0.17		1
PHOSPHORUS	%	0.01	0.08		1
ASCORBIC ACID	MG/KG	101.0	834.7		1
NIACIN	MG/KG	2.8	23.1		1
RIBOFLAVIN	MG/KG	0.5	4.1		1
THIAMINE	MG/KG	0.7	5.8		1
VITAMIN A EQUIV	IU/G	2.2	17.9		

ANANAS SPP. PINEAPPLE

ANANAS SPP. HULLS. DEHY GRND. (1)

REF NO 1-13-305

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.2	100.0		2
ORGANIC MATTER	%	81.3	96.6		
ASH	%	2.9	3.4		2
CRUDE FIBER	%	20.5	24.4		2
ETHER EXTRACT	%	1.2	1.4		2
NITROGEN FREE EXTRACT	%	56.6	67.2		2
PROTEIN	%	3.0	3.6		2
CATTLE	DIG PROT % *	0.1	0.1		
GOATS	DIG PROT % *	-0.1	-0.1		
HORSES	DIG PROT % *	0.5	0.6		
RABBITS	DIG PROT % *	1.2	1.5		
SHEEP	DIG PROT % *	-0.2	-0.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.92	2.28		
SHEEP	DE MCAL/KG *	2.02	2.40		
CATTLE	ME MCAL/KG *	1.57	1.87		
SHEEP	ME MCAL/KG *	1.66	1.97		
CATTLE	NE-M MCAL/KG *	0.93	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.29	0.35		
CATTLE	NE-LACTATION MCAL/KG *	0.90	1.07		
CATTLE	TDN % *	43.6	51.8		
SHEEP	TDN % *	45.9	54.5		

ANANAS SPP. LEAVES W STEMS. DEHY GRND. (1)

REF NO 1-13-309

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.8	100.0		2
ORGANIC MATTER	%	85.6	94.3		
ASH	%	5.1	5.7		2
CRUDE FIBER	%	22.0	24.2		2
ETHER EXTRACT	%	2.0	2.2		2
NITROGEN FREE EXTRACT	%	54.4	59.9		2
PROTEIN	%	7.2	8.0		2
CATTLE	DIG PROT % *	3.5	3.9		
GOATS	DIG PROT % *	3.6	4.0		
HORSES	DIG PROT % *	3.9	4.3		
RABBITS	DIG PROT % *	4.4	4.8		
SHEEP	DIG PROT % *	3.4	3.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.33	2.57		
HORSES	DE MCAL/KG *	1.58	1.74		
SHEEP	DE MCAL/KG *	2.30	2.53		
CATTLE	ME MCAL/KG *	1.91	2.11		
HORSES	ME MCAL/KG *	1.29	1.43		
SHEEP	ME MCAL/KG *	1.89	2.08		
CATTLE	NE-M MCAL/KG *	1.13	1.24		
CATTLE	NE-GAIN MCAL/KG *	0.54	0.60		
CATTLE	NE-LACTATION MCAL/KG *	1.17	1.29		
CATTLE	TDN % *	52.9	58.3		
HORSES	TDN % *	38.9	42.9		
SHEEP	TDN % *	52.2	57.5		

ANANAS SPP. CANNERY RESIDUE. DEHY GRND. (4)

REF NO 4-13-307

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.5	100.0		2
ORGANIC MATTER	%	88.6	96.9		
ASH	%	2.9	3.1		2
CRUDE FIBER	%	17.3	18.9		2
ETHER EXTRACT	%	0.7	0.8		2
NITROGEN FREE EXTRACT	%	67.4	73.6		2
PROTEIN	%	3.2	3.6		2
CATTLE	DIG PROT % *	-0.7	-0.7		
GOATS	DIG PROT % *	0.5	0.5		
HORSES	DIG PROT % *	0.5	0.5		
SHEEP	DIG PROT % *	0.5	0.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.97	3.24		
SHEEP	DE MCAL/KG *	3.18	3.48		
SWINE	DE KCAL/KG *	3114.	3404.		
CATTLE	ME MCAL/KG *	2.43	2.66		
SHEEP	ME MCAL/KG *	2.61	2.85		
SWINE	ME KCAL/KG *	2967.	3243.		
CATTLE	NE-M MCAL/KG *	1.51	1.65		
CATTLE	NE-GAIN MCAL/KG *	0.98	1.07		
CATTLE	NE-LACTATION MCAL/KG *	1.66	1.82		
CATTLE	TDN % *	67.3	73.5		
SHEEP	TDN % *	72.2	78.9		
SWINE	TDN % *	70.6	77.2		

ANDROPOGON ANGUSTALUS. BLUESTEM. ANGUSTALUS

ANDROPOGON ANGUSTALUS ANGUSTALUS. HAY. S-C. (1)

REF NO 1-11-228

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.2	100.0		1
ORGANIC MATTER	%	83.0	89.1		
ASH	%	10.2	10.9		1
CRUDE FIBER	%	34.2	36.7		1
ETHER EXTRACT	%	1.6	1.7		1
NITROGEN FREE EXTRACT	%	44.5	47.7		
PROTEIN	%	2.8	3.0		1
CATTLE	DIG PROT % *	-0.4	-0.5		
GOATS	DIG PROT % *	-0.6	-0.6		
HORSES	DIG PROT % *	0.1	0.1		
RABBITS	DIG PROT % *	0.9	1.0		
SHEEP	DIG PROT % *	-0.7	-0.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.95	2.10		
HORSES	DE MCAL/KG *	1.42	1.52		
SHEEP	DE MCAL/KG *	1.93	2.08		
CATTLE	ME MCAL/KG *	1.60	1.72		
HORSES	ME MCAL/KG *	1.16	1.25		
SHEEP	ME MCAL/KG *	1.59	1.70		
CATTLE	NE-M MCAL/KG *	0.95	1.02		
CATTLE	NE-GAIN MCAL/KG *	0.16	0.17		
CATTLE	NE-LACTATION MCAL/KG *	0.86	0.92		
CATTLE	TDN % *	44.3	47.6		
HORSES	TDN % *	34.5	37.0		
SHEEP	TDN % *	43.9	47.1		
CALCIUM	%	0.30	0.32		1
PHOSPHORUS	%	0.08	0.09		1

ANDROPOGON BICORNIS. BLUESTEM. BICORNIS

ANDROPOGON BICORNIS BICORNIS. HAY. S-C. (1)

REF NO 1-11-229

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.9	100.0	1	4
ORGANIC MATTER	%	85.0	92.6		
ASH	%	6.8	7.5	13	4
CRUDE FIBER	%	33.0	35.9	4	4
ETHER EXTRACT	%	1.4	1.5	20	4
NITROGEN FREE EXTRACT	%	46.9	51.1		
PROTEIN	%	3.8	4.1	35	4
CATTLE	DIG PROT % *	0.5	0.5		
GOATS	DIG PROT % *	0.4	0.4		
HORSES	DIG PROT % *	0.9	1.0		
RABBITS	DIG PROT % *	1.7	1.9		
SHEEP	DIG PROT % *	0.2	0.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.05	2.23		
HORSES	DE MCAL/KG *	1.34	1.46		
SHEEP	DE MCAL/KG *	2.02	2.20		
CATTLE	ME MCAL/KG *	1.68	1.83		
HORSES	ME MCAL/KG *	1.10	1.20		
SHEEP	ME MCAL/KG *	1.66	1.80		
CATTLE	NE-M MCAL/KG *	0.99	1.08		
CATTLE	NE-GAIN MCAL/KG *	0.28	0.31		
CATTLE	NE-LACTATION MCAL/KG *	0.95	1.03		
CATTLE	TDN % *	46.6	50.7		
HORSES	TDN % *	32.5	35.4		
SHEEP	TDN % *	45.9	49.9		
CALCIUM	%	0.28	0.30	23	4
PHOSPHORUS	%	0.16	0.17	39	4

ANDROPOGON BICORNIS BICORNIS. AERIAL PART. FRESH. (2)

REF NO 2-17-531

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.7	100.0		3
PROTEIN	%	3.5	9.8		3
CATTLE	DIG PROT % *	2.2	6.2		
GOATS	DIG PROT % *	2.0	5.7		
HORSES	DIG PROT % *	2.1	5.9		
RABBITS	DIG PROT % *	2.2	6.3		
SHEEP	DIG PROT % *	2.2	6.2		
CALCIUM	%	0.13	0.37		3

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MAGNESIUM	%	0.14	0.38		3
MANGANESE	MG/KG	63.1	176.7		3
PHOSPHORUS	%	0.04	0.11		3
POTASSIUM	%	0.34	0.94		3
SODIUM	%	0.11	0.30		3
ZINC	MG/KG	28.2	79.0		3

ANDROPOGON BICORNIS BICORNIS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-672

DRY MATTER	%	30.5	100.0		2
ORGANIC MATTER	%	28.6	94.1		2
ASH	%	1.8	6.0		2
CRUDE FIBER	%	13.0	42.6		2
ETHER EXTRACT	%	0.4	1.2		2
NITROGEN FREE EXTRACT	%	13.5	44.4		2
PROTEIN	%	1.8	5.9		2
CATTLE DIG PROT	% *	0.9	2.9		
GOATS DIG PROT	% *	0.6	2.1		
HORSES DIG PROT	% *	0.8	2.5		
RABBITS DIG PROT	% *	1.0	3.2		
SHEEP DIG PROT	% *	0.8	2.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.65	2.14		
CATTLE ME	MCAL/KG *	0.54	1.76		
CATTLE NE-M	MCAL/KG *	0.32	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.22		
CATTLE NE-LACTATION	MCAL/KG *	0.29	0.96		
CATTLE TDN	% *	14.8	48.6		
CALCIUM	%	0.05	0.16		2
PHOSPHORUS	%	0.03	0.10		2

ANDROPOGON BREVIFOLIUS, BLUESTEM, BREVIFOLIUS

ANDROPOGON BREVIFOLIUS BREVIFOLIUS, HAY, S-C, (1)

REF NO 1-11-226

DRY MATTER	%	91.8	100.0		3
ORGANIC MATTER	%	78.7	85.7		
ASH	%	13.1	14.3		3
CRUDE FIBER	%	28.5	31.0		3
ETHER EXTRACT	%	0.8	0.9		3
NITROGEN FREE EXTRACT	%	46.7	50.9		
PROTEIN	%	2.7	2.9		3
CATTLE DIG PROT	% *	-0.5	-0.5		
GOATS DIG PROT	% *	-0.7	-0.7		
HORSES DIG PROT	% *	-0.0	-0.0		
RABBITS DIG PROT	% *	0.8	0.9		
SHEEP DIG PROT	% *	-0.8	-0.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.78	1.94		
HORSES DE	MCAL/KG *	1.19	1.29		
SHEEP DE	MCAL/KG *	1.86	2.02		
CATTLE ME	MCAL/KG *	1.46	1.59		
HORSES ME	MCAL/KG *	0.97	1.06		
SHEEP ME	MCAL/KG *	1.52	1.66		
CATTLE NE-M	MCAL/KG *	0.88	0.96		
CATTLE NE-GAIN	MCAL/KG *	0.01	0.02		
CATTLE NE-LACTATION	MCAL/KG *	0.74	0.80		
CATTLE TDN	% *	40.4	44.1		
HORSES TDN	% *	28.2	30.8		
SHEEP TDN	% *	42.1	45.9		
CALCIUM	%	0.46	0.50		3
PHOSPHORUS	%	0.12	0.13		3

ANDROPOGON BREVIFOLIUS BREVIFOLIUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-673

DRY MATTER	%	22.9	100.0		1
ORGANIC MATTER	%	19.7	86.2		1
ASH	%	3.2	13.8		1
CRUDE FIBER	%	7.3	31.8		1
ETHER EXTRACT	%	0.2	0.9		1
NITROGEN FREE EXTRACT	%	10.9	47.5		1
PROTEIN	%	1.4	6.0		1
CATTLE DIG PROT	% *	0.7	3.0		
GOATS DIG PROT	% *	0.5	2.2		
HORSES DIG PROT	% *	0.6	2.6		
RABBITS DIG PROT	% *	0.8	3.3		
SHEEP DIG PROT	% *	0.6	2.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.58	2.55		
SHEEP DE	MCAL/KG *	0.54	2.36		
CATTLE ME	MCAL/KG *	0.48	2.09		
SHEEP ME	MCAL/KG *	0.44	1.94		
CATTLE NE-M	MCAL/KG *	0.28	1.24		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.58		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.28		
CATTLE TDN	% *	13.3	57.9		
SHEEP TDN	% *	12.3	53.6		
CALCIUM	%	0.07	0.32		1
PHOSPHORUS	%	0.02	0.08		1

ANDROPOGON CIRRATUS, BLUESTEM, TEXAS

ANDROPOGON CIRRATUS TEXAS, AERIAL PART, MECH EXTD, (1)

REF NO 1-10-579

DRY MATTER	%	74.2	100.0		3
ORGANIC MATTER	%	67.7	91.2		2
ASH	%	6.5	8.8		2
CRUDE FIBER	%	24.9	33.6		3
ETHER EXTRACT	%	2.8	3.7		3
NITROGEN FREE EXTRACT	%	35.1	47.2		2
PROTEIN	%	4.9	6.7		3
CATTLE DIG PROT	% *	2.0	2.7		
GOATS DIG PROT	% *	2.1	2.8		
HORSES DIG PROT	% *	2.4	3.2		
RABBITS DIG PROT	% *	2.8	3.8		
SHEEP DIG PROT	% *	1.9	2.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.76	2.38		
HORSES DE	MCAL/KG *	1.56	2.09		
SHEEP DE	MCAL/KG *	1.68	2.26		
CATTLE ME	MCAL/KG *	1.45	1.95		
HORSES ME	MCAL/KG *	1.28	1.72		
SHEEP ME	MCAL/KG *	1.37	1.85		
CATTLE NE-M	MCAL/KG *	0.85	1.15		
CATTLE NE-GAIN	MCAL/KG *	0.32	0.43		
CATTLE NE-LACTATION	MCAL/KG *	0.85	1.14		
CATTLE TDN	% *	40.0	53.9		
HORSES TDN	% *	39.1	52.7		
SHEEP TDN	% *	38.0	51.2		

ANDROPOGON CIRRATUS TEXAS, AERIAL PART, FRESH, (2)

REF NO 2-11-233

DRY MATTER	%	27.1	100.0		3
ORGANIC MATTER	%	24.7	91.2		3
ASH	%	2.4	8.8		3
CRUDE FIBER	%	9.7	35.8		3
ETHER EXTRACT	%	1.0	3.9		3
NITROGEN FREE EXTRACT	%	11.6	42.7		3
PROTEIN	%	2.4	8.8		3
CATTLE DIG PROT	% *	1.5	5.4		
GOATS DIG PROT	% *	1.3	4.8		
HORSES DIG PROT	% *	1.4	5.0		
RABBITS DIG PROT	% *	1.5	5.5		
SHEEP DIG PROT	% *	1.4	5.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.64	2.35		
SHEEP DE	MCAL/KG *	0.69	2.55		
CATTLE ME	MCAL/KG *	0.52	1.93		
SHEEP ME	MCAL/KG *	0.57	2.09		
CATTLE NE-M	MCAL/KG *	0.31	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.41		
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.12		
CATTLE TDN	% *	14.5	53.4		
SHEEP TDN	% *	15.7	57.9		
CALCIUM	%	0.26	0.97		2
IRON	%	0.003	0.010		2
PHOSPHORUS	%	0.12	0.44		2

ANDROPOGON CONDENSATUS, BLUESTEM, CONDENSATUS

ANDROPOGON CONDENSATUS CONDENSATUS, HAY, S-C, (1)

REF NO 1-11-006

DRY MATTER	%	88.9	100.0		1
ORGANIC MATTER	%	81.6	91.8		
ASH	%	7.3	8.2		1
CRUDE FIBER	%	35.6	40.0		1
ETHER EXTRACT	%	0.9	1.0		1
NITROGEN FREE EXTRACT	%	41.1	46.2		1
PROTEIN	%	4.1	4.6		1
CATTLE DIG PROT	% *	0.8	0.9		
GOATS DIG PROT	% *	0.8	0.9		
HORSES DIG PROT	% *	1.3	1.4		
RABBITS DIG PROT	% *	2.0	2.2		
SHEEP DIG PROT	% *	0.6	0.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.91	2.15		
HORSES DE	MCAL/KG *	1.19	1.34		
SHEEP DE	MCAL/KG *	1.92	2.18		
CATTLE ME	MCAL/KG *	1.57	1.76		
HORSES ME	MCAL/KG *	0.98	1.10		
SHEEP ME	MCAL/KG *	1.57	1.77		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE NE-M	MCAL/KG *	0.93	1.05	
CATTLE NE-GAIN	MCAL/KG *	0.20	0.23	
CATTLE NE-LACTATION	MCAL/KG *	0.86	0.97	
CATTLE	TDN % *	43.4	40.8	
HORSES	TDN % *	28.5	32.1	
SHEEP	TDN % *	43.6	49.0	
CALCIUM	%	0.67	0.75	1
PHOSPHORUS	%	0.04	0.05	1

ANDROPOGON CONDENSATUS CONDENSATUS, AERIAL PART, FRESH, (2)

REF NO 2-11-014

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.4	
ASH	%		6.6	1
CRUDE FIBER	%		38.7	1
ETHER EXTRACT	%		2.4	1
NITROGEN FREE EXTRACT	%		48.8	1
PROTEIN	%		3.5	1
CATTLE DIG PROT	% *		0.9	
GOATS DIG PROT	% *		-0.2	
HORSES DIG PROT	% *		0.5	
RABBITS DIG PROT	% *		1.4	
SHEEP DIG PROT	% *		0.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		1.93	
SHEEP DE	MCAL/KG *		2.42	
CATTLE ME	MCAL/KG *		1.58	
SHEEP ME	MCAL/KG *		1.99	
CATTLE NE-M	MCAL/KG *		0.95	
CATTLE NE-GAIN	MCAL/KG *		0.00	
CATTLE NE-LACTATION	MCAL/KG *		0.79	
CATTLE TDN	% *		43.7	
SHEEP TDN	% *		54.9	
CALCIUM	%		0.20	1
COBALT	MG/KG		0.030	1
PHOSPHORUS	%		0.07	1

ANDROPOGON CONDENSATUS CONDENSATUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-674

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	51.2	100.0	2
ORGANIC MATTER	%	47.0	91.9	2
ASH	%	4.2	8.2	2
CRUDE FIBER	%	21.4	41.9	2
ETHER EXTRACT	%	0.7	1.4	2
NITROGEN FREE EXTRACT	%	21.8	42.7	2
PROTEIN	%	3.0	6.0	2
CATTLE DIG PROT	% *	1.5	2.9	
GOATS DIG PROT	% *	1.1	2.1	
HORSES DIG PROT	% *	1.3	2.6	
RABBITS DIG PROT	% *	1.7	3.3	
SHEEP DIG PROT	% *	1.3	2.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.10	2.16	
SHEEP DE	MCAL/KG *	1.21	2.36	
CATTLE ME	MCAL/KG *	0.90	1.77	
SHEEP ME	MCAL/KG *	0.99	1.93	
CATTLE NE-M	MCAL/KG *	0.54	1.05	
CATTLE NE-GAIN	MCAL/KG *	0.12	0.23	
CATTLE NE-LACTATION	MCAL/KG *	0.50	0.97	
CATTLE TDN	% *	25.0	48.9	
SHEEP TDN	% *	27.3	53.4	
CALCIUM	%	0.12	0.24	2
PHOSPHORUS	%	0.07	0.13	2

ANDROPOGON CONDENSATUS CONDENSATUS, AERIAL PART, FRESH, POST RIPE, (2)

REF NO 2-13-675

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	22.8	91.1	1
ASH	%	2.2	8.9	1
CRUDE FIBER	%	10.4	41.6	1
ETHER EXTRACT	%	0.2	0.9	1
NITROGEN FREE EXTRACT	%	11.5	45.8	1
PROTEIN	%	0.7	2.8	1
CATTLE DIG PROT	% *	0.1	0.3	
GOATS DIG PROT	% *	-0.2	-0.8	
HORSES DIG PROT	% *	-0.0	-0.1	
RABBITS DIG PROT	% *	0.2	0.8	
SHEEP DIG PROT	% *	-0.1	-0.4	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.54	2.17	
SHEEP DE	MCAL/KG *	0.56	2.24	
CATTLE ME	MCAL/KG *	0.45	1.78	
SHEEP ME	MCAL/KG *	0.46	1.83	
CATTLE NE-M	MCAL/KG *	0.26	1.06	
CATTLE NE-GAIN	MCAL/KG *	0.06	0.25	
CATTLE NE-LACTATION	MCAL/KG *	0.25	0.98	
CATTLE TDN	% *	12.3	49.3	
SHEEP TDN	% *	12.7	50.7	
CALCIUM	%	0.05	0.19	1
PHOSPHORUS	%	0.01	0.05	1

ANDROPOGON FINO, BLUESTEM, FINO

ANDROPOGON FINO FINO, HAY, S-C, (1)

REF NO 1-11-254

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	91.1	100.0	2
ORGANIC MATTER	%	79.2	86.9	
ASH	%	11.9	13.1	2
CRUDE FIBER	%	31.7	34.9	2
ETHER EXTRACT	%	2.1	2.3	2
NITROGEN FREE EXTRACT	%	42.3	46.4	
PROTEIN	%	3.1	3.4	2
CATTLE DIG PROT	% *	-0.1	-0.2	
GOATS DIG PROT	% *	-0.3	-0.3	
HORSES DIG PROT	% *	0.3	0.4	
RABBITS DIG PROT	% *	1.1	1.3	
SHEEP DIG PROT	% *	-0.4	-0.4	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.89	2.07	
HORSES DE	MCAL/KG *	1.60	1.75	
SHEEP DE	MCAL/KG *	1.86	2.04	
CATTLE ME	MCAL/KG *	1.55	1.70	
HORSES ME	MCAL/KG *	1.31	1.44	
SHEEP ME	MCAL/KG *	1.52	1.67	
CATTLE NE-M	MCAL/KG *	0.92	1.01	
CATTLE NE-GAIN	MCAL/KG *	0.14	0.15	
CATTLE NE-LACTATION	MCAL/KG *	0.82	0.90	
CATTLE TDN	% *	42.8	47.0	
HORSES TDN	% *	39.5	43.3	
SHEEP TDN	% *	42.1	46.2	
CALCIUM	%	0.43	0.48	2
PHOSPHORUS	%	0.09	0.10	2

ANDROPOGON GAYANUS, BLUESTEM, GAYANUS

ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, (2)

REF NO 2-11-022

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	26.3	100.0	2
ORGANIC MATTER	%	23.4	89.0	2
ASH	%	3.0	11.6	3
CRUDE FIBER	%	9.2	34.9	3
ETHER EXTRACT	%	0.9	3.4	3
NITROGEN FREE EXTRACT	%	10.6	40.5	3
PROTEIN	%	2.5	9.6	3
CATTLE DIG PROT	% *	1.6	6.1	
GOATS DIG PROT	% *	1.5	5.5	
HORSES DIG PROT	% *	1.5	5.7	
RABBITS DIG PROT	% *	1.6	6.1	
SHEEP DIG PROT	% *	1.6	6.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.58	2.23	
SHEEP DE	MCAL/KG *	0.66	2.53	
CATTLE ME	MCAL/KG *	0.48	1.83	
SHEEP ME	MCAL/KG *	0.54	2.07	
CATTLE NE-M	MCAL/KG *	0.28	1.08	
CATTLE NE-GAIN	MCAL/KG *	0.08	0.30	
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.02	
CATTLE TDN	% *	13.3	50.5	
SHEEP TDN	% *	15.1	57.4	
CALCIUM	%	0.01	0.02	1
IRON	%	0.003	0.010	1
PHOSPHORUS	%	0.03	0.11	1
VITAMIN A EQUIV	IU/G	3.2	12.1	

ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-862

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	25.9	100.0	2
ORGANIC MATTER	%	23.7	91.6	
ASH	%	2.2	8.5	2
CRUDE FIBER	%	9.0	34.8	2
PROTEIN	%	1.4	5.6	2
CATTLE DIG PROT	% *	0.7	2.6	
GOATS DIG PROT	% *	0.5	1.7	
HORSES DIG PROT	% *	0.6	2.2	
RABBITS DIG PROT	% *	0.8	3.0	
SHEEP DIG PROT	% *	0.6	2.2	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)					
REF NO 2-11-016					
DRY MATTER	%	20.5	100.0		3
ORGANIC MATTER	%	19.0	92.7		
ASH	%	1.5	7.3		3
CRUDE FIBER	%	8.7	42.5		3
ETHER EXTRACT	%	0.3	1.4		3
NITROGEN FREE EXTRACT	%	8.8	43.0		3
PROTEIN	%	1.2	5.7		3
CATTLE DIG PROT	% *	0.6	2.7		
GOATS DIG PROT	% *	0.4	1.8		
HORSES DIG PROT	% *	0.5	2.3		
RABBITS DIG PROT	% *	0.6	3.0		
SHEEP DIG PROT	% *	0.5	2.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.43	2.09		
SHEEP DE	MCAL/KG *	0.48	2.36		
CATTLE ME	MCAL/KG *	0.35	1.71		
SHEEP ME	MCAL/KG *	0.40	1.93		
CATTLE NE-M	MCAL/KG *	0.21	1.02		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.16		
CATTLE NE-LACTATION	MCAL/KG *	0.19	0.91		
CATTLE TDN	% *	9.7	47.4		
SHEEP TDN	% *	11.0	53.5		
CALCIUM	%	0.08	0.41		3
COPPER	MG/KG	4.3	21.0		3
IRON	%	0.008	0.038		3
MAGNESIUM	%	0.03	0.15		3
MANGANESE	MG/KG	11.7	57.3		3
PHOSPHORUS	%	0.04	0.20		3
POTASSIUM	%	0.31	1.52		3
SODIUM	%	0.01	0.06		3
ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)					
REF NO 2-11-244					
DRY MATTER	%	32.4	100.0	15	4
ORGANIC MATTER	%	29.6	91.6		
ASH	%	2.7	8.5	9	4
CRUDE FIBER	%	13.9	43.0	7	4
ETHER EXTRACT	%	0.5	1.5	*	4
NITROGEN FREE EXTRACT	%	14.1	43.7	7	4
PROTEIN	%	1.1	3.4	40	4
CATTLE DIG PROT	% *	0.2	0.8		
GOATS DIG PROT	% *	-0.1	-0.3		
HORSES DIG PROT	% *	0.1	0.4		
RABBITS DIG PROT	% *	0.4	1.3		
SHEEP DIG PROT	% *	0.0	0.1		
ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)					
REF NO 2-11-019					
DRY MATTER	%	33.0	100.0		1
ORGANIC MATTER	%	29.6	89.6		
ASH	%	3.4	10.4		1
CRUDE FIBER	%	14.8	44.8		1
ETHER EXTRACT	%	0.5	1.5		1
NITROGEN FREE EXTRACT	%	12.8	38.8		1
PROTEIN	%	1.5	4.5		1
CATTLE DIG PROT	% *	0.6	1.7		
GOATS DIG PROT	% *	0.3	0.8		
HORSES DIG PROT	% *	0.4	1.4		
RABBITS DIG PROT	% *	0.7	2.1		
SHEEP DIG PROT	% *	0.4	1.2		
ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, CUT 1, (2)					
REF NO 2-11-016					
DRY MATTER	%	23.9	100.0		3
ORGANIC MATTER	%	21.9	91.6		
ASH	%	2.0	8.4		3
CRUDE FIBER	%	9.4	39.4		3
ETHER EXTRACT	%	0.4	1.7		3
NITROGEN FREE EXTRACT	%	10.5	44.1		3
PROTEIN	%	1.5	6.4		3
CATTLE DIG PROT	% *	0.8	3.3		
GOATS DIG PROT	% *	0.6	2.5		
HORSES DIG PROT	% *	0.7	3.0		
RABBITS DIG PROT	% *	0.9	3.6		
SHEEP DIG PROT	% *	0.7	3.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.51	2.14		
SHEEP DE	MCAL/KG *	0.58	2.41		
CATTLE ME	MCAL/KG *	0.42	1.75		
SHEEP ME	MCAL/KG *	0.47	1.98		
CATTLE NE-M	MCAL/KG *	0.25	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.05	0.21		
CATTLE NE-LACTATION	MCAL/KG *	0.23	0.95		
CATTLE TDN	% *	11.6	48.5		
SHEEP TDN	% *	13.1	54.7		
CALCIUM	%	0.12	0.48		3
COPPER	MG/KG	4.7	19.6		3
IRON	%	0.011	0.045		3
MAGNESIUM	%	0.04	0.16		3
MANGANESE	MG/KG	15.3	64.0		3
PHOSPHORUS	%	0.05	0.20		3
POTASSIUM	%	0.38	1.60		3
SODIUM	%	0.02	0.08		3
ANDROPOGON GAYANUS GAYANUS, AERIAL PART, FRESH, CUT 2, (2)					
REF NO 2-11-017					
DRY MATTER	%	24.3	100.0		1
ORGANIC MATTER	%	22.3	91.8		
ASH	%	2.0	8.2		1
CRUDE FIBER	%	10.0	41.2		1
ETHER EXTRACT	%	0.3	1.4		1
NITROGEN FREE EXTRACT	%	10.8	44.5		1
PROTEIN	%	1.1	4.7		1
CATTLE DIG PROT	% *	0.5	1.9		
GOATS DIG PROT	% *	0.2	0.9		
HORSES DIG PROT	% *	0.4	1.5		
RABBITS DIG PROT	% *	0.6	2.3		
SHEEP DIG PROT	% *	0.3	1.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.51	2.08		
SHEEP DE	MCAL/KG *	0.57	2.34		
CATTLE ME	MCAL/KG *	0.42	1.71		
SHEEP ME	MCAL/KG *	0.47	1.92		
CATTLE NE-M	MCAL/KG *	0.25	1.02		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.16		
CATTLE NE-LACTATION	MCAL/KG *	0.22	0.91		
CATTLE TDN	% *	11.5	47.2		
SHEEP TDN	% *	12.9	53.0		
ANDROPOGON GAYANUS GAYANUS, LEAVES, FRESH FERTILIZED, 113 TO 126 DAYS' GROWTH, (2)					
REF NO 2-13-860					
DRY MATTER	%	20.6	100.0		1
ORGANIC MATTER	%	18.9	91.7		
ASH	%	1.7	8.3		1
CRUDE FIBER	%	6.6	32.0		1
PROTEIN	%	1.4	6.6		1
CATTLE DIG PROT	% *	0.7	3.5		
GOATS DIG PROT	% *	0.6	2.7		
HORSES DIG PROT	% *	0.6	3.1		
RABBITS DIG PROT	% *	0.8	3.8		
SHEEP DIG PROT	% *	0.6	3.1		
ANDROPOGON HIRTIFLORUS, BLUESTEM, HIRTIFLORUS					
ANDROPOGON HIRTIFLORUS HIRTIFLORUS, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-802					
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	23.1	92.2		1
ASH	%	0.9	3.7		1
CRUDE FIBER	%	9.6	38.2		1
ETHER EXTRACT	%	1.3	5.3		1
NITROGEN FREE EXTRACT	%	12.3	49.0		1
PROTEIN	%	1.0	3.8		1
CATTLE DIG PROT	% *	0.3	1.1		
GOATS DIG PROT	% *	0.0	0.1		
HORSES DIG PROT	% *	0.2	0.8		
RABBITS DIG PROT	% *	0.4	1.6		
SHEEP DIG PROT	% *	0.1	0.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.78	3.12		
SHEEP DE	MCAL/KG *	0.59	2.35		
CATTLE ME	MCAL/KG *	0.64	2.56		
SHEEP ME	MCAL/KG *	0.48	1.92		
CATTLE NE-M	MCAL/KG *	0.39	1.57		
CATTLE NE-GAIN	MCAL/KG *	0.25	1.00		
CATTLE NE-LACTATION	MCAL/KG *	0.43	1.72		
CATTLE TDN	% *	17.7	70.7		
SHEEP TDN	% *	13.3	53.2		
CALCIUM	%	0.03	0.12		1
PHOSPHORUS	%	0.01	0.04		1
ANDROPOGON INTERMEDIUS, BLUESTEM, AUSTRALIAN					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ANDROPOGON INTERMEDIUS AUSTRALIAN, AERIAL PART, FRESH, LATE VEGETATIVE, (2)				
REF NO 2-11-998				
DRY MATTER	%	43.2	100.0	1
ORGANIC MATTER	%	40.5	93.7	
ASH	%	2.7	6.3	1
CRUDE FIBER	%	17.2	39.9	1
ETHER EXTRACT	%	1.1	2.6	1
NITROGEN FREE EXTRACT	%	20.0	46.2	1
PROTEIN	%	2.2	5.0	1
CATTLE DIG PROT	% *	0.9	2.1	
GOATS DIG PROT	% *	0.5	1.2	
HORSES DIG PROT	% *	0.8	1.8	
RABBITS DIG PROT	% *	1.1	2.5	
SHEEP DIG PROT	% *	0.7	1.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.83	1.93	
SHEEP DE	MCAL/KG *	1.06	2.45	
CATTLE ME	MCAL/KG *	0.68	1.58	
SHEEP ME	MCAL/KG *	0.87	2.01	
CATTLE NE-M	MCAL/KG *	0.41	0.95	
CATTLE NE-GAIN	MCAL/KG *	0.00	0.00	
CATTLE NE-LACTATION	MCAL/KG *	0.34	0.79	
CATTLE TDN	% *	18.9	43.8	
SHEEP TDN	% *	24.0	55.5	
CALCIUM	%	0.27	0.62	1
PHOSPHORUS	%	0.03	0.06	1

ANDROPOGON ISCHAEMUM, BLUESTEM, EASTINDIES

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ANDROPOGON ISCHAEMUM EASTINDIES, AERIAL PART, FRESH, LATE BLOOM, (2)				
REF NO 2-13-803				
DRY MATTER	%	42.1	100.0	1
ORGANIC MATTER	%	37.8	89.8	1
ASH	%	4.3	10.2	1
CRUDE FIBER	%	12.9	30.6	1
ETHER EXTRACT	%	0.8	2.0	1
NITROGEN FREE EXTRACT	%	20.9	49.7	1
PROTEIN	%	3.2	7.5	1
CATTLE DIG PROT	% *	1.8	4.3	
GOATS DIG PROT	% *	1.5	3.6	
HORSES DIG PROT	% *	1.6	3.9	
RABBITS DIG PROT	% *	1.9	4.5	
SHEEP DIG PROT	% *	1.7	4.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.04	2.46	
SHEEP DE	MCAL/KG *	1.08	2.56	
CATTLE ME	MCAL/KG *	0.85	2.02	
SHEEP ME	MCAL/KG *	0.88	2.10	
CATTLE NE-M	MCAL/KG *	0.50	1.19	
CATTLE NE-GAIN	MCAL/KG *	0.21	0.51	
CATTLE NE-LACTATION	MCAL/KG *	0.51	1.21	
CATTLE TDN	% *	23.5	55.9	
SHEEP TDN	% *	24.5	58.1	
CALCIUM	%	0.11	0.27	1
PHOSPHORUS	%	0.04	0.10	1

ANDROPOGON LEUCOSTACHYUS, BLUESTEM, LEUCOSTACHYUS

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ANDROPOGON LEUCOSTACHYUS LEUCOSTACHYUS, AERIAL PART, FRESH, (2)				
REF NO 2-17-534				
DRY MATTER	%	40.4	100.0	2
PROTEIN	%	2.2	5.4	2
CATTLE DIG PROT	% *	1.0	2.4	
GOATS DIG PROT	% *	0.6	1.6	
HORSES DIG PROT	% *	0.8	2.1	
RABBITS DIG PROT	% *	1.1	2.8	
SHEEP DIG PROT	% *	0.8	2.0	
CALCIUM	%	0.06	0.15	2
MAGNESIUM	%	0.08	0.20	2
MANGANESE	MG/KG	44.4	110.0	2
PHOSPHORUS	%	0.03	0.07	2
POTASSIUM	%	0.46	1.14	2
SODIUM	%	0.02	0.05	2
ZINC	MG/KG	12.9	32.0	2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ANDROPOGON LEUCOSTACHYUS LEUCOSTACHYUS, AERIAL PART, FRESH, MATURE, (2)				
REF NO 2-11-015				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.1	
ASH	%		6.9	1
CRUDE FIBER	%		38.9	1
ETHER EXTRACT	%		2.4	1
NITROGEN FREE EXTRACT	%		45.6	1
PROTEIN	%		6.2	1
CATTLE DIG PROT	% *		3.1	
GOATS DIG PROT	% *		2.3	
HORSES DIG PROT	% *		2.8	
RABBITS DIG PROT	% *		3.4	
SHEEP DIG PROT	% *		2.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.04	
SHEEP DE	MCAL/KG *		2.47	
CATTLE ME	MCAL/KG *		1.66	
SHEEP ME	MCAL/KG *		2.02	
CATTLE NE-M	MCAL/KG *		1.00	
CATTLE NE-GAIN	MCAL/KG *		0.12	
CATTLE NE-LACTATION	MCAL/KG *		0.86	
CATTLE TDN	% *		46.4	
SHEEP TDN	% *		56.0	
COBALT	MG/KG		0.022	1
COPPER	MG/KG		1.5	1
MANGANESE	MG/KG		30.8	1
MOLYBDENUM	MG/KG		0.22	1
PHOSPHORUS	%		0.27	1

ANDROPOGON MEDIUM, BLUESTEM, MEDIUM

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ANDROPOGON MEDIUM MEDIUM, AERIAL PART, FRESH, (2)				
REF NO 2-11-230				
DRY MATTER	%	45.9	100.0	1
ORGANIC MATTER	%	38.7	84.4	1
ASH	%	7.2	15.6	1
CRUDE FIBER	%	17.3	37.7	1
ETHER EXTRACT	%	1.4	3.1	1
NITROGEN FREE EXTRACT	%	17.7	38.6	1
PROTEIN	%	2.3	5.0	1
CATTLE DIG PROT	% *	1.0	2.1	
GOATS DIG PROT	% *	0.5	1.2	
HORSES DIG PROT	% *	0.6	1.7	
RABBITS DIG PROT	% *	1.1	2.5	
SHEEP DIG PROT	% *	0.7	1.6	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.83	1.81	
SHEEP DE	MCAL/KG *	1.07	2.33	
CATTLE ME	MCAL/KG *	0.68	1.48	
SHEEP ME	MCAL/KG *	0.88	1.91	
CATTLE NE-M	MCAL/KG *	0.42	0.91	
CATTLE NE-GAIN	MCAL/KG *	-0.06	-0.13	
CATTLE NE-LACTATION	MCAL/KG *	0.32	0.70	
CATTLE TDN	% *	18.8	41.0	
SHEEP TDN	% *	24.3	52.9	
CALCIUM	%	0.02	0.05	1
IRON	%	0.011	0.025	1
PHOSPHORUS	%	0.05	0.12	1
VITAMIN A EQUIV	IU/G	4.3	9.3	

ANDROPOGON NODOSUS, BLUESTEM, ANGLETON

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ANDROPOGON NODOSUS ANGLETON, HAY, S-C, (1)				
REF NO 1-11-231				
DRY MATTER	%	89.9	100.0	2 11
ORGANIC MATTER	%	82.0	91.2	26 1
ASH	%	13.5	15.0	26 11
CRUDE FIBER	%	32.7	36.4	12 11
ETHER EXTRACT	%	1.8	2.0	46 11
NITROGEN FREE EXTRACT	%	30.6	34.0	12 11
PROTEIN	%	11.3	12.6	18 11
CATTLE DIG PROT	% *	7.1	7.9	
GOATS DIG PROT	% *	7.5	8.3	
HORSES DIG PROT	% *	7.4	8.2	
RABBITS DIG PROT	% *	7.5	8.4	
SHEEP DIG PROT	% *	7.1	7.9	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.84	2.05	
SHEEP DE	MCAL/KG *	1.92	2.14	
CATTLE ME	MCAL/KG *	1.51	1.68	
SHEEP ME	MCAL/KG *	1.58	1.75	
CATTLE NE-M	MCAL/KG *	0.90	1.00	
CATTLE NE-GAIN	MCAL/KG *	0.11	0.13	
CATTLE NE-LACTATION	MCAL/KG *	0.80	0.88	
CATTLE TDN	% *	41.8	46.5	
SHEEP TDN	% *	43.6	48.5	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALCIUM	%	0.79	0.88		1
PHOSPHORUS	%	0.28	0.32		1

ANDROPOGON NODOSUS ANGLETON, AERIAL PART, FRESH, (2)

REF NO 2-11-232

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.8	100.0	27	5
ORGANIC MATTER	%	24.3	84.5	17	1
ASH	%	3.4	11.8	17	5
CRUDE FIBER	%	11.2	38.9	10	5
ETHER EXTRACT	%	0.5	1.8	62	4
NITROGEN FREE EXTRACT	%	12.1	42.0		1
PROTEIN	%	1.6	5.5	23	5
CATTLE DIG PROT	% *	0.7	2.6		
GOATS DIG PROT	% *	0.5	1.7		
HORSES DIG PROT	% *	0.6	2.2		
RABBITS DIG PROT	% *	0.8	2.9		
SHEEP DIG PROT	% *	0.6	2.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.61	2.12		
SHEEP DE	MCAL/KG *	0.68	2.34		
CATTLE ME	MCAL/KG *	0.50	1.74		
SHEEP ME	MCAL/KG *	0.55	1.92		
CATTLE NE-M	MCAL/KG *	0.30	1.03		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.20		
CATTLE NE-LACTATION	MCAL/KG *	0.27	0.94		
CATTLE TDN	% *	13.9	48.1		
SHEEP TDN	% *	15.3	53.2		
CALCIUM	%	0.02	0.06		1
IRON	%	0.014	0.048		1
PHOSPHORUS	%	0.04	0.13		1
VITAMIN A EQUIV	IU/G	1.8	6.1		

ANDROPOGON NODOSUS ANGLETON, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-125

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.7	100.0	32	6
ORGANIC MATTER	%	29.2	86.6		
ASH	%	4.5	13.5	13	6
CRUDE FIBER	%	10.3	30.5	5	6
PROTEIN	%	1.5	4.3	16	6
CATTLE DIG PROT	% *	0.5	1.6		
GOATS DIG PROT	% *	0.2	0.6		
HORSES DIG PROT	% *	0.4	1.2		
RABBITS DIG PROT	% *	0.7	2.0		
SHEEP DIG PROT	% *	0.3	1.0		

ANDROPOGON NODOSUS ANGLETON, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-10-210

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.3	100.0		3
ORGANIC MATTER	%	19.5	87.2		
ASH	%	2.9	12.8		3
CRUDE FIBER	%	8.6	38.7		3
ETHER EXTRACT	%	0.2	0.9		3
NITROGEN FREE EXTRACT	%	8.7	39.2		3
PROTEIN	%	1.9	8.4		3
CATTLE DIG PROT	% *	1.1	5.0		
GOATS DIG PROT	% *	1.0	4.4		
HORSES DIG PROT	% *	1.0	4.7		
RABBITS DIG PROT	% *	1.2	5.2		
SHEEP DIG PROT	% *	1.1	4.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.65		
SHEEP DE	MCAL/KG *	0.52	2.31		
CATTLE ME	MCAL/KG *	0.49	2.17		
SHEEP ME	MCAL/KG *	0.42	1.90		
CATTLE NE-M	MCAL/KG *	0.29	1.29		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.66		
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.35		
CATTLE TDN	% *	13.4	60.1		
SHEEP TDN	% *	11.7	52.4		

ANDROPOGON RUFUS, BLUESTEM, RUFUS

ANDROPOGON RUFUS RUFUS, AERIAL PART, FRESH, (2)

REF NO 2-11-225

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.2	100.0		2
ORGANIC MATTER	%	24.0	88.5		2
ASH	%	3.1	11.5		2
CRUDE FIBER	%	10.3	37.9		2
ETHER EXTRACT	%	0.8	3.1		2
NITROGEN FREE EXTRACT	%	10.6	39.1		2
PROTEIN	%	2.3	8.4		2
CATTLE DIG PROT	% *	1.4	5.0		
GOATS DIG PROT	% *	1.2	4.4		
HORSES DIG PROT	% *	1.3	4.7		
RABBITS DIG PROT	% *	1.4	5.2		
SHEEP DIG PROT	% *	1.3	4.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.56	2.05		
SHEEP DE	MCAL/KG *	0.67	2.48		
CATTLE ME	MCAL/KG *	0.46	1.68		
SHEEP ME	MCAL/KG *	0.55	2.03		
CATTLE NE-M	MCAL/KG *	0.27	1.00		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.13		
CATTLE NE-LACTATION	MCAL/KG *	0.24	0.89		
CATTLE TDN	% *	12.6	46.5		
SHEEP TDN	% *	15.2	56.1		
CALCIUM	%	0.01	0.04		2
IRON	%	0.002	0.008		2
PHOSPHORUS	%	0.03	0.10		2
VITAMIN A EQUIV	IU/G	5.2	19.1		

ANDROPOGON RUFUS RUFUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-804

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.5	100.0		1
ORGANIC MATTER	%	22.5	88.3		1
ASH	%	3.0	11.6		1
CRUDE FIBER	%	9.9	38.9		1
ETHER EXTRACT	%	0.6	2.2		1
NITROGEN FREE EXTRACT	%	10.6	41.7		1
PROTEIN	%	1.4	5.6		1
CATTLE DIG PROT	% *	0.7	2.7		
GOATS DIG PROT	% *	0.5	1.8		
HORSES DIG PROT	% *	0.6	2.3		
RABBITS DIG PROT	% *	0.8	3.0		
SHEEP DIG PROT	% *	0.6	2.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.52	2.02		
SHEEP DE	MCAL/KG *	0.60	2.37		
CATTLE ME	MCAL/KG *	0.42	1.66		
SHEEP ME	MCAL/KG *	0.50	1.94		
CATTLE NE-M	MCAL/KG *	0.25	0.99		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.10		
CATTLE NE-LACTATION	MCAL/KG *	0.22	0.87		
CATTLE TDN	% *	11.7	45.9		
SHEEP TDN	% *	13.7	53.8		
CALCIUM	%	0.10	0.38		1
PHOSPHORUS	%	0.04	0.16		1

ANDROPOGON SACCHAROIDES, BLUESTEM, SILVER

ANDROPOGON SACCHAROIDES SILVER, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-00-858

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	22.0	88.0		1
ASH	%	3.0	12.0		1
CRUDE FIBER	%	9.3	37.3		1
ETHER EXTRACT	%	0.4	1.6		1
NITROGEN FREE EXTRACT	%	11.2	44.8		1
PROTEIN	%	1.1	4.3		1
CATTLE DIG PROT	% *	0.4	1.5		
GOATS DIG PROT	% *	0.1	0.6		
HORSES DIG PROT	% *	0.3	1.2		
RABBITS DIG PROT	% *	0.5	2.0		
SHEEP DIG PROT	% *	0.2	1.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.16		
SHEEP DE	MCAL/KG *	0.58	2.33		
CATTLE ME	MCAL/KG *	0.44	1.77		
SHEEP ME	MCAL/KG *	0.48	1.91		
CATTLE NE-M	MCAL/KG *	0.26	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.23		
CATTLE NE-LACTATION	MCAL/KG *	0.24	0.97		
CATTLE TDN	% *	12.2	48.9		
SHEEP TDN	% *	13.2	52.7		
CALCIUM	%	0.07	0.28		1
PHOSPHORUS	%	0.05	0.21		1

ANDROPOGON SACCHAROIDES SILVER, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-00-859

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	53.4	100.0		1
ORGANIC MATTER	%	47.5	89.0		
ASH	%	5.9	11.0		1
CRUDE FIBER	%	18.7	35.0		1
ETHER EXTRACT	%	0.9	1.7		1
NITROGEN FREE EXTRACT	%	25.6	48.0		1
PROTEIN	%	2.3	4.3		1
CATTLE DIG PROT	% *	0.8	1.5		
GOATS DIG PROT	% *	0.3	0.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	0.6	1.2		
RABBITS	DIG PROT % *	1.1	2.0		
SHEEP	DIG PROT % *	0.5	1.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.17	2.19		
SHEEP	DE MCAL/KG *	1.28	2.39		
CATTLE	ME MCAL/KG *	0.96	1.80		
SHEEP	ME MCAL/KG *	1.05	1.96		
CATTLE	NE-M MCAL/KG *	0.57	1.06		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.27		
CATTLE	NE-LACTATION MCAL/KG *	0.53	1.00		
CATTLE	TDN % *	26.6	49.8		
SHEEP	TDN % *	29.0	54.3		
CALCIUM	%	0.11	0.20		1
PHOSPHORUS	%	0.03	0.06		1

ANDROPOGON SELLOANUS, BLUESTEM, SELLOANUS

ANDROPOGON SELLOANUS SELLOANUS, HAY, S-C, (1)

REF NO 1-11-227

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.8	100.0		1
ORGANIC MATTER	%	82.3	89.6		
ASH	%	9.5	10.4		1
CRUDE FIBER	%	30.3	33.0		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	45.3	49.4		
PROTEIN	%	5.8	6.3		1
CATTLE	DIG PROT % *	2.2	2.4		
GOATS	DIG PROT % *	2.2	2.4		
HORSES	DIG PROT % *	2.6	2.9		
RABBITS	DIG PROT % *	3.2	3.5		
SHEEP	DIG PROT % *	2.0	2.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.95	2.13		
HORSES	DE MCAL/KG *	1.34	1.46		
SHEEP	DE MCAL/KG *	2.00	2.18		
CATTLE	ME MCAL/KG *	1.60	1.75		
HORSES	ME MCAL/KG *	1.10	1.20		
SHEEP	ME MCAL/KG *	1.64	1.79		
CATTLE	NE-M MCAL/KG *	0.95	1.04		
CATTLE	NE-GAIN MCAL/KG *	0.19	0.20		
CATTLE	NE-LACTATION MCAL/KG *	0.87	0.95		
CATTLE	TDN % *	44.3	48.3		
HORSES	TDN % *	32.4	35.3		
SHEEP	TDN % *	45.4	49.5		
CALCIUM	%	0.22	0.24		1
PHOSPHORUS	%	0.17	0.18		1

ANDROPOGON SELLOANUS SELLOANUS, AERIAL PART, FRESH, (2)

REF NO 2-17-533

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	39.0	100.0	22	5
PROTEIN	%	3.4	8.8	14	5
CATTLE	DIG PROT % *	2.1	5.4		
GOATS	DIG PROT % *	1.9	4.8		
HORSES	DIG PROT % *	1.9	5.0		
RABBITS	DIG PROT % *	2.1	5.4		
SHEEP	DIG PROT % *	2.0	5.2		
CALCIUM	%	0.11	0.27	30	5
MAGNESIUM	%	0.14	0.37	32	5
MANGANESE	MG/KG	110.0	282.4	48	5
PHOSPHORUS	%	0.03	0.08	60	5
POTASSIUM	%	0.44	1.14	25	5
SODIUM	%	0.09	0.24	98	5
ZINC	MG/KG	21.2	54.4	18	5

ANDROPOGON SELLOANUS SELLOANUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-805

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.6	100.0		2
ORGANIC MATTER	%	30.4	90.6		2
ASH	%	3.2	9.5		2
CRUDE FIBER	%	13.2	39.2		2
ETHER EXTRACT	%	0.2	0.7		2
NITROGEN FREE EXTRACT	%	15.2	45.4		2
PROTEIN	%	1.8	5.4		2
CATTLE	DIG PROT % *	0.8	2.4		
GOATS	DIG PROT % *	0.5	1.6		
HORSES	DIG PROT % *	0.7	2.1		
RABBITS	DIG PROT % *	0.9	2.8		
SHEEP	DIG PROT % *	0.7	2.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.83	2.48		
SHEEP	DE MCAL/KG *	0.77	2.29		
CATTLE	ME MCAL/KG *	0.68	2.03		
SHEEP	ME MCAL/KG *	0.63	1.88		
CATTLE	NE-M MCAL/KG *	0.40	1.20		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.52		
CATTLE	NE-LACTATION MCAL/KG *	0.41	1.22		
CATTLE	TDN % *	18.9	56.2		
SHEEP	TDN % *	17.4	51.9		
CALCIUM	%	0.07	0.22		2
PHOSPHORUS	%	0.05	0.14		2

ANDROPOGON SEMIBERBIS, BLUESTEM, SEMIBERBIS

ANDROPOGON SEMIBERBIS SEMIBERBIS, AERIAL PART, FRESH, (2)

REF NO 2-17-532

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.1	100.0	26	7
PROTEIN	%	1.9	5.6	28	7
CATTLE	DIG PROT % *	0.9	2.7		
GOATS	DIG PROT % *	0.6	1.8		
HORSES	DIG PROT % *	0.8	2.3		
RABBITS	DIG PROT % *	1.0	3.0		
SHEEP	DIG PROT % *	0.8	2.2		
CALCIUM	%	0.10	0.29	39	7
MAGNESIUM	%	0.18	0.54	41	7
MANGANESE	MG/KG	100.2	293.7	25	7
PHOSPHORUS	%	0.02	0.07	40	7
POTASSIUM	%	0.42	1.23	12	5
SODIUM	%	0.03	0.08	29	7
ZINC	MG/KG	20.1	58.9	32	7

ANDROPOGON SEMIBERBIS SEMIBERBIS, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-806

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	45.0	100.0		1
ORGANIC MATTER	%	42.4	94.3		1
ASH	%	2.6	5.7		1
CRUDE FIBER	%	19.1	42.4		1
ETHER EXTRACT	%	0.6	1.3		1
NITROGEN FREE EXTRACT	%	20.7	46.1		1
PROTEIN	%	2.0	4.5		1
CATTLE	DIG PROT % *	0.8	1.7		
GOATS	DIG PROT % *	0.3	0.8		
HORSES	DIG PROT % *	0.6	1.4		
RABBITS	DIG PROT % *	1.0	2.1		
SHEEP	DIG PROT % *	0.5	1.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.89	1.99		
SHEEP	DE MCAL/KG *	1.06	2.35		
CATTLE	ME MCAL/KG *	0.73	1.63		
SHEEP	ME MCAL/KG *	0.87	1.93		
CATTLE	NE-M MCAL/KG *	0.44	0.98		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.06		
CATTLE	NE-LACTATION MCAL/KG *	0.38	0.84		
CATTLE	TDN % *	20.3	45.1		
SHEEP	TDN % *	24.0	53.3		
CALCIUM	%	0.03	0.07		1
PHOSPHORUS	%	0.02	0.05		1

ANDROPOGON SPP, BLUESTEM

ANDROPOGON SPP, HAY, S-C, (1)

REF NO 1-00-819

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.4	100.0		2
ORGANIC MATTER	%	79.8	87.3		
ASH	%	11.6	12.7		2
CRUDE FIBER	%	26.6	29.1		2
ETHER EXTRACT	%	0.7	0.8		2
NITROGEN FREE EXTRACT	%	49.0	53.7		
PROTEIN	%	3.5	3.9		2
CATTLE	DIG PROT % *	0.3	0.3		
GOATS	DIG PROT % *	0.1	0.2		
HORSES	DIG PROT % *	0.7	0.8		
RABBITS	DIG PROT % *	1.5	1.6		
SHEEP	DIG PROT % *				
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.82	1.99		
HORSES	DE MCAL/KG *	1.17	1.28		
SHEEP	DE MCAL/KG *	1.92	2.10		
CATTLE	ME MCAL/KG *	1.49	1.64		
HORSES	ME MCAL/KG *	0.96	1.05		
SHEEP	ME MCAL/KG *	1.57	1.72		
CATTLE	NE-M MCAL/KG *	0.89	0.98		
CATTLE	NE-GAIN MCAL/KG *	0.06	0.07		
CATTLE	NE-LACTATION MCAL/KG *	0.77	0.84		
CATTLE	TDN % *	41.3	45.2		
HORSES	TDN % *	27.7	30.3		
SHEEP	TDN % *	43.5	47.6		
CALCIUM	%	0.49	0.54		2
PHOSPHORUS	%	0.14	0.16		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ANDROPOGON SPP, AERIAL PART, FRESH, (2)						
REF NO 2-00-827						
DRY MATTER		%	33.7	100.0		1
PROTEIN		%	6.0	17.8		1
CATTLE	DIG PROT	% *	4.4	13.0		
GOATS	DIG PROT	% *	4.4	13.2		
HORSES	DIG PROT	% *	4.3	12.6		
RABBITS	DIG PROT	% *	4.2	12.4		
SHEEP	DIG PROT	% *	4.6	13.6		
CALCIUM		%	0.47	1.40		1
MAGNESIUM		%	0.16	0.48		1
MANGANESE		MG/KG	64.4	191.0		1
PHOSPHORUS		%	0.04	0.11		1
POTASSIUM		%	0.42	1.26		1
SODIUM		%	0.01	0.04		1
ZINC		MG/KG	25.9	77.0		1
ANDROPOGON SPP, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-00-823						
DRY MATTER		%	58.2	100.0		1
ORGANIC MATTER		%	52.7	90.5		1
ASH		%	5.5	9.5		1
CRUDE FIBER		%	22.0	37.8		1
ETHER EXTRACT		%	0.6	1.1		1
NITROGEN FREE EXTRACT		%	26.5	45.5		1
PROTEIN		%	3.6	6.1		1
CATTLE	DIG PROT	% *	1.8	3.1		
GOATS	DIG PROT	% *	1.3	2.3		
HORSES	DIG PROT	% *	1.6	2.7		
RABBITS	DIG PROT	% *	2.0	3.4		
SHEEP	DIG PROT	% *	1.6	2.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.37	2.35		
SHEEP	DE	MCAL/KG *	1.38	2.36		
CATTLE	ME	MCAL/KG *	1.12	1.93		
SHEEP	ME	MCAL/KG *	1.13	1.94		
CATTLE	NE-M	MCAL/KG *	0.66	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.24	0.41		
CATTLE	NE-LACTATION	MCAL/KG *	0.65	1.12		
CATTLE	TDN	% *	31.0	53.3		
SHEEP	TDN	% *	31.2	53.6		
CALCIUM		%	0.13	0.22		1
PHOSPHORUS		%	0.02	0.04		1
ANDROPOGON SPP, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-00-825						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.8		
ASH		%		13.2		1
CRUDE FIBER		%		36.3		1
ETHER EXTRACT		%		1.9		1
NITROGEN FREE EXTRACT		%		44.7		1
PROTEIN		%		3.9		1
CATTLE	DIG PROT	% *		1.2		
GOATS	DIG PROT	% *		0.2		
HORSES	DIG PROT	% *		0.8		
RABBITS	DIG PROT	% *		1.7		
SHEEP	DIG PROT	% *		0.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.09		
SHEEP	DE	MCAL/KG *		2.33		
CATTLE	ME	MCAL/KG *		1.71		
SHEEP	ME	MCAL/KG *		1.91		
CATTLE	NE-M	MCAL/KG *		1.02		
CATTLE	NE-GAIN	MCAL/KG *		0.16		
CATTLE	NE-LACTATION	MCAL/KG *		0.91		
CATTLE	TDN	% *		47.4		
SHEEP	TDN	% *		52.8		
CALCIUM		%		0.24		1
PHOSPHORUS		%		0.13		1
ANDROPOGON SQUARROSUS, BLUESTEM, SQUARROSUS						
ANDROPOGON SQUARROSUS SQUARROSUS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-807						
DRY MATTER		%	40.4	100.0		1
ORGANIC MATTER		%	37.8	93.6		1
ASH		%	2.6	6.4		1
CRUDE FIBER		%	14.5	35.9		1
ETHER EXTRACT		%	0.4	1.0		1
NITROGEN FREE EXTRACT		%	21.5	53.1		1
PROTEIN		%	1.5	3.6		1
CATTLE	DIG PROT	% *	0.4	1.0		
GOATS	DIG PROT	% *	-0.0	-0.1		
HORSES	DIG PROT	% *	0.2	0.6		
RABBITS	DIG PROT	% *	0.6	1.4		
SHEEP	DIG PROT	% *	0.1	0.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.89	2.21		
SHEEP	DE	MCAL/KG *	0.98	2.42		
CATTLE	ME	MCAL/KG *	0.73	1.82		
SHEEP	ME	MCAL/KG *	0.80	1.99		
CATTLE	NE-M	MCAL/KG *	0.43	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.41	1.01		
CATTLE	TDN	% *	20.3	50.2		
SHEEP	TDN	% *	22.2	55.0		
CALCIUM		%	0.16	0.39		1
PHOSPHORUS		%	0.07	0.17		1
ANDROPOGON VIRGATUS, BLUESTEM, VIRGATUS						
ANDROPOGON VIRGATUS VIRGATUS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-808						
DRY MATTER		%	17.7	100.0		2
ORGANIC MATTER		%	16.3	92.3		2
ASH		%	1.3	7.5		2
CRUDE FIBER		%	6.4	36.4		2
ETHER EXTRACT		%	0.2	1.4		2
NITROGEN FREE EXTRACT		%	8.6	48.9		2
PROTEIN		%	1.1	6.0		2
CATTLE	DIG PROT	% *	0.5	3.0		
GOATS	DIG PROT	% *	0.4	2.2		
HORSES	DIG PROT	% *	0.5	2.6		
RABBITS	DIG PROT	% *	0.6	3.3		
SHEEP	DIG PROT	% *	0.5	2.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.40	2.26		
SHEEP	DE	MCAL/KG *	0.43	2.45		
CATTLE	ME	MCAL/KG *	0.33	1.86		
SHEEP	ME	MCAL/KG *	0.36	2.01		
CATTLE	NE-M	MCAL/KG *	0.19	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.33		
CATTLE	NE-LACTATION	MCAL/KG *	0.19	1.05		
CATTLE	TDN	% *	9.1	51.4		
SHEEP	TDN	% *	9.8	55.5		
CALCIUM		%	0.10	0.57		2
PHOSPHORUS		%	0.02	0.13		2
ANIMAL						
ANIMAL, BLOOD, DEHY GRND, (5) BLOOD MEAL (CFA) BLOOD MEAL (AAFCO)						
REF NO 5-00-380						
DRY MATTER		%	87.8	100.0	9	29
ORGANIC MATTER		%	(83.4)	(94.9)	55	8
ASH		%	(5.9)	(6.8)	55	31
SHEEP	DIG COEF	%	(27.)	(27.)		
CRUDE FIBER		%	(1.1)	(1.3)	85	20
SHEEP	DIG COEF	%	(18.)	(18.)		1
ETHER EXTRACT		%	(2.1)	(2.3)	98	32
SHEEP	DIG COEF	%	(38.)	(38.)		1
NITROGEN FREE EXTRACT		%	(4.4)	(5.1)	81	24
SHEEP	DIG COEF	%	(25.)	(25.)		1
PROTEIN		%	(74.2)	(84.5)	10	36
SHEEP	DIG COEF	%	(71.)	(71.)		1
SWINE	DIG COEF	%	(78.)	(78.)		1
SHEEP	DIG PROT	%	(52.7)	(60.0)		
SWINE	DIG PROT	%	(57.9)	(65.9)		
ENERGY	GE	KCAL/KG	(4972.)	(5660.)		1
SHEEP	DE	MCAL/KG *	(2.46)	(2.80)		
SWINE	DE	KCAL/KG *	(2654.)	(3021.)		
CHICKENS	ME-N	KCAL/KG	(2784.)	(3169.)	5	4
SHEEP	ME	MCAL/KG *	(2.02)	(2.30)		
SWINE	ME	KCAL/KG	(2124.)	(2418.)		1
CHICKENS	PRODUCTIVE	KCAL/KG	(2166.)	(2466.)		2
SHEEP	TDN	%	(55.8)	(63.5)		1
SWINE	TDN	%	60.2	68.5		2
CALCIUM		%	(0.55)	(0.62)	83	10
CHLORINE		%	(0.34)	(0.38)		3
COPPER		MG/KG	9.5	10.9		2
IRON		%	(0.351)	(0.400)		3
MAGNESIUM		%	(0.16)	(0.18)		3
MANGANESE		MG/KG	5.0	5.7		3
PHOSPHORUS		%	(0.33)	(0.38)	57	9
CHICKENS, CHICKS AVAILABLE		%	(0.21)	(0.24)		2
POTASSIUM		%	(0.13)	(0.14)		3
SODIUM		%	(0.36)	(0.41)		3
SULPHUR		%	(0.32)	(0.36)		1
CHOLINE		MG/KG	(683.)	(777.)	36	5
NIACIN		MG/KG	(29.9)	(34.0)	3	5
PANTOTHENIC ACID		MG/KG	(2.9)	(3.3)	73	9
RIBOFLAVIN		MG/KG	(5.8)	(6.6)	98	8

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
THIAMINE	MG/KG	0.4	0.5		1
ALANINE	%	6.22	7.08		1
ARGININE	%	4.03	4.58	67	8
CYSTINE	%	1.08	1.23	39	6
GLYCINE	%	3.87	4.41	18	4
HISTIDINE	%	3.90	4.45	18	6
ISOLEUCINE	%	0.85	0.96	16	6
LEUCINE	%	10.06	11.45	5	5
LYSINE	%	5.92	6.74	30	8
METHIONINE	%	0.97	1.11	16	8
PHENYLALANINE	%	5.31	6.04	15	6
PROLINE	%	3.59	4.09		1
SERINE	%	4.01	4.57		1
THREONINE	%	3.88	4.42	9	6
TRYPTOPHAN	%	0.88	1.00	37	8
TYROSINE	%	2.51	2.86		2
VALINE	%	(6.45)	(7.35)	16	6

ANIMAL, BLOOD, SPRAY DRY, (5)
BLOOD FLOUR

REF NO 5-00-381

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(85.0)	(100.0)	10	48
ORGANIC MATTER	%	77.9	91.6		
ASH	%	7.2	8.4	40	22
CRUDE FIBER	%	1.3	1.6		2
ETHER EXTRACT	%	6.1	7.2	77	20
SHEEP DIG COEF	%	100.	100.		1
NITROGEN FREE EXTRACT	%	-1.4	-1.6		1
PROTEIN	%	71.8	84.4	7	46
SHEEP DIG COEF	%	96.	96.		1
SHEEP DIG PROT	%	68.9	81.1		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	3.41	4.01		
CHICKENS ME-N	KCAL/KG	1156.	1360.		1
SHEEP ME	MCAL/KG *	2.80	3.29		
SHEEP TDN	% *	(77.4)	(91.0)		
CALCIUM	%	(1.63)	(1.92)	54	21
CHLORINE	%	(0.23)	(0.27)		1
COPPER	MG/KG	(7.5)	(8.8)		1
IRON	%	(0.255)	(0.299)		1
MAGNESIUM	%	(0.04)	(0.04)		1
MANGANESE	MG/KG	(3.6)	(4.2)		2
PHOSPHORUS	%	0.44	0.52		1
SALT (NACL)	%	(1.74)	(2.04)		1
SODIUM	%	(0.30)	(0.36)		1
SULPHUR	%	(0.55)	(0.65)		1
CHOLINE	MG/KG	(258.)	(304.)		1
NIACIN	MG/KG	(26.4)	(31.1)		1
PANTOTHENIC ACID	MG/KG	(4.9)	(5.7)		1
RIBOFLAVIN	MG/KG	(3.9)	(4.5)		1
THIAMINE	MG/KG	(0.4)	(0.5)		1
ARGININE	%	(3.14)	(3.69)		1
HISTIDINE	%	(4.52)	(5.31)		1
ISOLEUCINE	%	(1.01)	(1.19)		1
LEUCINE	%	(9.78)	(11.50)		1
LYSINE	%	(7.65)	(9.00)		1
METHIONINE	%	(1.01)	(1.19)		1
PHENYLALANINE	%	(5.26)	(6.18)		1
THREONINE	%	(3.41)	(4.01)		1
TRYPTOPHAN	%	(0.92)	(1.08)		1
TYROSINE	%	(1.84)	(2.17)		1
VALINE	%	6.82	8.03		1

ANIMAL, BLOOD W RUMEN CONTENTS, DEHY GRND, (5)

REF NO 5-13-532

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	69.3	100.0		3
ORGANIC MATTER	%	65.5	94.5		
ASH	%	3.8	5.5		2
CRUDE FIBER	%	5.1	7.3		1
ETHER EXTRACT	%	0.5	0.7		2
NITROGEN FREE EXTRACT	%	29.0	41.8		2
PROTEIN	%	31.0	44.8		3
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	2.43	3.51		
SHEEP ME	MCAL/KG *	2.00	2.88		
SHEEP TDN	% *	55.2	79.7		
CALCIUM	%	0.26	0.37		2
COPPER	MG/KG	11.1	16.0		1
IRON	%	0.125	0.180		1
MAGNESIUM	%	0.12	0.18		1
MANGANESE	MG/KG	18.0	26.0		1
PHOSPHORUS	%	0.12	0.18		2
POTASSIUM	%	0.21	0.30		1
SODIUM	%	1.56	2.25		1
ARGININE	%	0.11	0.16		1
CYSTINE	%	0.06	0.09		1
HISTIDINE	%	0.21	0.30		1
ISOLEUCINE	%	0.08	0.12		1
LEUCINE	%	0.26	0.38		1
LYSINE	%	0.10	0.14		1
METHIONINE	%	0.10	0.15		1
PHENYLALANINE	%	0.29	0.42		1
THREONINE	%	0.24	0.35		1
TRYPTOPHAN	%	0.04	0.06		1
TYROSINE	%	0.12	0.17		1
VALINE	%	0.22	0.32		1

ANIMAL, CARCASS RESIDUE, DRY OR WET RENDERED
DEHY GRND, MN 40% PROTEIN, (5)

REF NO 5-10-142

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.8	100.0	1	54
ORGANIC MATTER	%	62.0	65.4	10	1
ASH	%	39.4	41.5	10	54
CRUDE FIBER	%	2.9	3.1		1
ETHER EXTRACT	%	9.8	10.4	14	43
NITROGEN FREE EXTRACT	%	-0.9	-0.9		1
PROTEIN	%	43.5	45.9	6	54
CALCIUM	%	15.13	15.96	9	27
PHOSPHORUS	%	6.76	7.15	32	27

ANIMAL, CARCASS RESIDUE, DRY RENDERED DEHY
GRND, MN 9% INDIGESTIBLE MATERIAL MX
4.4% PHOSPHORUS, (5)
HEAT HEA[illegible]
HEAT SC[illegible]

REF NO 5-0[illegible]

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.2	100.0	2	98
ORGANIC MATTER	%	(62.3)	(68.8)	31	29
ASH	%	(32.4)	(34.8)	31	98
CRUDE FIBER	%	(5.1)	(5.4)	98	91
ETHER EXTRACT	%	(11.7)	(12.5)	35	98
NITROGEN FREE EXTRACT	%	(0.2)	(0.2)	99	98
PROTEIN	%	43.9	47.0	16	98
CALCIUM	%	12.35	13.24	44	73
IRON	%	0.054	0.058	81	12
MAGNESIUM	%	0.60	0.64		2
PHOSPHORUS	%	5.32	5.70	77	72
POTASSIUM	%	0.70	0.75		2
SALT (NACL)	%	0.52	0.56	14	4
SODIUM	%	0.96	1.05	5[illegible]	5
ASCORBIC ACID	MG/KG	31.4	33.7		1
NIACIN	MG/KG	15.1	16.2		1
RIBOFLAVIN	MG/KG	1.6	1.7		1
THIAMINE	MG/KG	(3.0)	(3.2)		1
VITAMIN A EQUIV	IU/G	2.5	2.7		
ARGININE	%	4.02	4.31		1
CYSTINE	%	0.35	0.37		1
HISTIDINE	%	1.27	1.36		1
ISOLEUCINE	%	2.28	2.44		1
LEUCINE	%	1.12	1.20		1
LYSINE	%	3.12	3.35		1
METHIONINE	%	0.73	0.78		1
PHENYLALANINE	%	1.99	2.13		1
THREONINE	%	1.89	2.03		1
TRYPTOPHAN	%	0.36	0.39		1
TYROSINE	%	1.17	1.26		1
VALINE	%	3.04	3.26		1

ANIMAL, CARCASS RESIDUE, DRY RENDERED DEHY
GRND, MN 55% PROTEIN, (5)

REF NO 5-09-323

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.5	100.0	1	8
ORGANIC MATTER	%	76.3	81.7		
ASH	%	17.1	18.3	44	11
CRUDE FIBER	%	3.6	3.9	59	6
ETHER EXTRACT	%	14.6	15.6	45	10
NITROGEN FREE EXTRACT	%	-1.3	-1.4	99	4
PROTEIN	%	59.4	63.6	7	12
CALCIUM	%	8.88	9.50	31	5
PHOSPHORUS	%	3.41	3.65	23	5
ALANINE	%	4.08	4.37		2
ARGININE	%	4.42	4.73		2
CYSTINE	%	0.41	0.44		2
GLYCINE	%	7.65	8.18		2
HISTIDINE	%	1.05	1.12		2
ISOLEUCINE	%	1.76	1.89		2
LEUCINE	%	3.26	3.49		2
LYSINE	%	2.53	2.71		2
METHIONINE	%	0.81	0.84		2
PHENYLALANINE	%	1.95	2.09		2
PROLINE	%	5.70	6.10		2
SERINE	%	2.33	2.49		2
THREONINE	%	1.78	1.90		2
TRYPTOPHAN	%	0.19	0.20		2
TYROSINE	%	1.73	1.86		2
VALINE	%	(4.05)	(4.33)		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ANIMAL, CARCASS RESIDUE W BLOOD, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MX 4.4% PHOSPHORUS, (5)					
MEAT MEAL TANKAGE (AAFCO)					
DIGESTER TANKAGE					
REF NO 5-00-386					
DRY MATTER	%	(92.6)	(100.0)	2	13
ORGANIC MATTER	%	69.4	74.9		
ASH	%	23.2	25.1	22	8
CRUDE FIBER	%	9.3	10.0	98	8
ETHER EXTRACT	%	8.9	9.6	25	7
NITROGEN FREE EXTRACT	%	5.8	6.3	27	4
PROTEIN	%	(57.1)	(61.6)	14	7
LIGNIN (ELLIS)	%	2.7	2.9		1
ENERGY GE	KCAL/KG	4557.	4920.		1
SHEEP DE	MCAL/KG *	2.97	3.21		
SWINE DE	KCAL/KG	2464.	2660.		1
CHICKENS ME-N	KCAL/KG	2677.	2889.		2
SHEEP ME	MCAL/KG *	2.44	2.63		
SWINE ME	KCAL/KG	(2442.)	(2636.)		2
CHICKENS PRODUCTIVE	KCAL/KG	1795.	1938.		2
SHEEP	TDN % *	67.4	72.8		
SWINE	TDN %	69.1	74.6		1
CALCIUM	%	(6.11)	(6.60)	14	7
CHLORINE	%	(1.74)	(1.88)		2
COBALT	MG/KG	(0.153)	(0.165)		1
COPPER	MG/KG	(39.0)	(42.1)		1
IRON	%	(0.212)	(0.228)		2
MAGNESIUM	%	(0.34)	(0.36)		3
MANGANESE	MG/KG	19.3	20.8		3
PHOSPHORUS	%	(4.97)	(5.36)	86	7
CHICKENS, CHICKS AVAILABLE	%	(3.15)	(3.40)		1
POTASSIUM	%	(0.57)	(0.61)		3
SODIUM	%	(1.68)	(1.81)		3
SULPHUR	%	(0.70)	(0.75)		2
CHOLINE	MG/KG	(2092.)	(2258.)	6	4
FOLIC ACID	MG/KG	(1.55)	(1.67)		2
NIACIN	MG/KG	(37.2)	(40.2)	13	5
PANTOTHENIC ACID	MG/KG	(2.2)	(2.4)	18	5
RIBOFLAVIN	MG/KG	(2.2)	(2.4)	18	5
THIAMINE	MG/KG	(0.3)	(0.4)		2
VITAMIN B12	UG/KG	(136.2)	(147.0)		1
ARGININE	%	(3.21)	(3.47)	27	6
CYSTINE	%	(0.46)	(0.50)	14	4
GLYCINE	%	(6.56)	(7.08)		2
HISTIDINE	%	(1.84)	(1.99)	11	4
ISOLEUCINE	%	(1.74)	(1.88)	13	4
LEUCINE	%	(5.36)	(5.79)	6	4
LYSINE	%	(3.78)	(4.09)	9	7
METHIONINE	%	(0.71)	(0.76)	10	7
PHENYLALANINE	%	(2.20)	(2.38)	42	4
THREONINE	%	(2.19)	(2.36)	10	4
TRYPTOPHAN	%	(0.54)	(0.59)	25	6
VALINE	%	4.03	4.35	7	4

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ANIMAL, CARCASS RESIDUE W BLOOD W BONE, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)					
MEAT AND BONE MEAL TANKAGE (AAFCO)					
DIGESTER TANKAGE WITH BONE					
MEAT AND BONE MEAL DIGESTER TANKAGE					
REF NO 5-00-387					
DRY MATTER	%	95.0	100.0	1	19
ORGANIC MATTER	%	60.9	64.1		
ASH	%	34.1	35.9	15	19
CRUDE FIBER	%	1.1	1.2	63	16
ETHER EXTRACT	%	16.7	17.6	14	19
NITROGEN FREE EXTRACT	%	3.2	3.4	47	9
PROTEIN	%	39.9	42.0	27	20
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	1.89	1.99		
SHEEP ME	MCAL/KG *	1.55	1.63		
SHEEP	TDN % *	42.8	45.0		
ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED DEHY GRND, (5)					
REF NO 5-13-201					
DRY MATTER	%	92.8	100.0	2	98
ORGANIC MATTER	%	62.4	67.2		
ASH	%	30.4	32.8	15	98
CRUDE FIBER	%	1.8	1.9	31	98
ETHER EXTRACT	%	6.9	7.4	32	98
NITROGEN FREE EXTRACT	%	3.9	4.2	72	98
PROTEIN	%	49.8	53.7	5	98
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	1.83	1.97		
SHEEP ME	MCAL/KG *	1.50	1.62		
SHEEP	TDN % *	41.5	44.7		
CALCIUM	%	12.41	13.37	15	4
PHOSPHORUS	%	5.70	6.14	26	4
ARGININE	%	1.28	1.38		1
HISTIDINE	%	1.05	1.13		1
ISOLEUCINE	%	0.71	0.76		1
LEUCINE	%	1.34	1.44		1
LYSINE	%	1.61	1.73		1
METHIONINE	%	0.14	0.15		1
PHENYLALANINE	%	1.48	1.59		1
THREONINE	%	0.96	1.03		1
TRYPTOPHAN	%	0.02	0.02		1
TYROSINE	%	1.45	1.56		1
ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)					
MEAT AND BONE MEAL (AAFCO)					
MEAT AND BONE SCRAP					
REF NO 5-00-388					
DRY MATTER	%	94.6	100.0	2	15
ORGANIC MATTER	%	(36.5)	(38.6)	32	2
ASH	%	(39.4)	(41.7)	32	18
CRUDE FIBER	%	(2.2)	(2.3)	50	17
ETHER EXTRACT	%	(12.8)	(13.6)	40	20
SWINE DIG COEF	%	(100.)	(100.)		1
NITROGEN FREE EXTRACT	%	(1.0)	(1.0)	76	15
PROTEIN	%	(39.2)	(41.4)	23	20
SWINE DIG COEF	%	(89.)	(89.)		1
SWINE DIG PROT	%	(34.8)	(36.9)		
FATTY ACIDS	%				
LINOLEIC	%	(0.372)	(0.394)		1
ENERGY GE	KCAL/KG	(3915.)	(4140.)		1
SHEEP DE	MCAL/KG *	(2.91)	(3.07)		
SWINE DE	KCAL/KG	(1995.)	(2110.)		1
CHICKENS ME-N	KCAL/KG	(1912.)	(2022.)	3	4
SHEEP ME	MCAL/KG *	(2.38)	(2.52)		
SWINE ME	KCAL/KG	(1664.)	(1760.)		1
CHICKENS PRODUCTIVE	KCAL/KG	(1578.)	(1669.)		2
SHEEP	TDN % *	(65.9)	(69.7)		
SWINE	TDN %	(82.5)	(87.2)		1
CALCIUM	%	(11.77)	(12.45)	19	7
CHLORINE	%	(0.76)	(0.80)		3
COBALT	MG/KG	(0.184)	(0.195)		1
COPPER	MG/KG	(1.6)	(1.6)		2
IODINE	MG/KG	(.405)	(1.486)		1
IRON	%	(0.050)	(0.053)		2
MAGNESIUM	%	(1.14)	(1.20)		2
MANGANESE	MG/KG	(14.3)	(15.2)		3
PHOSPHORUS	%	(5.83)	(6.16)	19	6
CHICKENS, CHICKS AVAILABLE	%	(5.33)	(5.64)		1
POTASSIUM	%	(1.04)	(1.10)		2
SODIUM	%	(0.73)	(0.77)		3
ZINC	MG/KG	(94.6)	(100.0)		1
A-TOCOPHEROL	MG/KG	(1.0)	(1.1)		1
BIOTIN	MG/KG	(1.21)	(1.28)		1
CHOLINE	MG/KG	(2028.)	(2144.)	7	5
FOLIC ACID	MG/KG	(0.05)	(0.05)		1
NIACIN	MG/KG	(46.7)	(49.4)	4	5
PANTOTHENIC ACID	MG/KG	(3.6)	(3.8)	8	5
RIBOFLAVIN	MG/KG	(4.4)	(4.7)	6	5
THIAMINE	MG/KG	(1.1)	(1.2)		2
VITAMIN B6	MG/KG	(13.08)	(13.83)		1
VITAMIN B12	UG/KG	(71.8)	(75.9)		2
ARGININE	%	(3.67)	(3.89)	9	6
CYSTINE	%	(0.61)	(0.64)	3	5
GLUTAMIC ACID	%	(11.08)	(11.72)		2
GLYCINE	%	(6.89)	(7.29)	5	5
HISTIDINE	%	(0.88)	(0.93)	5	4
ISOLEUCINE	%	(1.70)	(1.80)	3	4
LEUCINE	%	(3.16)	(3.35)	2	4
LYSINE	%	(3.29)	(3.47)	8	6
METHIONINE	%	(0.66)	(0.70)	7	6
PHENYLALANINE	%	(1.78)	(1.89)	2	4
THREONINE	%	(1.74)	(1.84)	5	4
TRYPTOPHAN	%	(0.29)	(0.30)	24	6
TYROSINE	%	(0.77)	(0.82)		1
VALINE	%	2.44	2.58	2	4
ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED DEHY GRND, MN 50% PROTEIN, (5)					
REF NO 5-09-322					
DRY MATTER	%	92.7	100.0	2	4
ORGANIC MATTER	%	71.4	77.0	11	2
ASH	%	22.0	23.8	11	4
CRUDE FIBER	%	1.3	1.5		2
ETHER EXTRACT	%	8.8	9.5	42	4
NITROGEN FREE EXTRACT	%	6.3	6.8		3
PROTEIN	%	54.1	58.4	4	4
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.14	3.39		
SHEEP DE	MCAL/KG *	2.49	2.69		
CATTLE ME	MCAL/KG *	2.58	2.78		
SHEEP ME	MCAL/KG *	2.04	2.20		
CATTLE ME-M	MCAL/KG *	1.63	1.75		
CATTLE ME-GAIN	MCAL/KG *	1.08	1.16		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	1.79	1.93		
CATTLE	TDN % *	71.3	76.9		
SHEEP	TDN % *	56.5	60.9		
CALCIUM	%	7.39	7.98		3
IRON	%	0.052	0.057		1
PHOSPHORUS	%	3.83	4.14		3
ARGININE	%	3.75	4.05		1
CYSTINE	%	0.57	0.61		1
HISTIDINE	%	0.90	0.97		1
ISOLEUCINE	%	1.74	1.88		1
LEUCINE	%	3.23	3.49		1
LYSINE	%	2.84	3.07		1
METHIONINE	%	0.69	0.75		1
PHENYLALANINE	%	1.77	1.91		1
THREONINE	%	1.70	1.84		1
TRYPTOPHAN	%	0.35	0.38		1
VALINE	%	2.47	2.67		1

ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED
DEMY GRND, MN 45% PROTEIN, (5)

REF NO 5-09-321

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.2	100.0		3
ORGANIC MATTER	%	71.2	75.6	24	2
ASH	%	27.4	29.1	24	4
CRUDE FIBER	%	1.3	1.4	26	4
ETHER EXTRACT	%	13.5	14.3	20	4
NITROGEN FREE EXTRACT	%	2.4	2.6		3
PROTEIN	%	49.6	52.6	9	4
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.29	2.43		
SHEEP	ME MCAL/KG *	1.87	1.99		
SHEEP	TDN % *	51.9	55.0		
CALCIUM	%	8.01	8.50		3
PHOSPHORUS	%	4.18	4.43		3

ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED
SOLV EXTD DEMY GRND, (5)
MEAT AND BONE SCRAP, SOLVENT EXTRACTED

REF NO 5-08-337

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.6	100.0		2
ORGANIC MATTER	%	67.3	71.9		
ASH	%	26.3	28.1		2
CRUDE FIBER	%	4.0	4.2		2
ETHER EXTRACT	%	3.7	4.0		2
NITROGEN FREE EXTRACT	%	8.0	8.6		2
PROTEIN	%	51.6	55.2		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.80	1.92		
SHEEP	DE MCAL/KG *	2.04	2.18		
CATTLE	ME MCAL/KG *	1.47	1.57		
SHEEP	ME MCAL/KG *	1.67	1.79		
CATTLE	NE-M MCAL/KG *	0.89	0.95		
CATTLE	NE-GAIN MCAL/KG *	-0.01	-0.01		
CATTLE NE-LACTATION	MCAL/KG *	0.73	0.78		
CATTLE	TDN % *	40.8	43.5		
SHEEP	TDN % *	46.3	49.4		
CALCIUM	%	10.59	11.31		1
PHOSPHORUS	%	(5.42)	(5.79)		1

ANIMAL, LIVERS, DEMY GRND, (5)
ANIMAL LIVER MEAL (CFA)
LIVER MEAL
ANIMAL LIVER MEAL (AAFCO)

REF NO 5-00-389

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.1)	(100.0)	1	9
ORGANIC MATTER	%	80.4	87.3		1
ASH	%	8.8	9.6		2
CRUDE FIBER	%	1.3	1.5		2
ETHER EXTRACT	%	14.1	15.4		2
NITROGEN FREE EXTRACT	%	5.8	6.3		2
PROTEIN	%	62.0	67.3		3
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	3.99	4.33		
SHEEP	ME MCAL/KG *	3.27	3.55		
SHEEP	TDN % *	(90.5)	(98.3)		
CALCIUM	%	(0.30)	(0.32)		2
COBALT	MG/KG	(0.134)	(0.145)		1
COPPER	MG/KG	(88.9)	(96.5)		2
IRON	%	(0.063)	(0.068)		2
MANGANESE	MG/KG	(7.3)	(7.9)		3
PHOSPHORUS	%	(1.04)	(1.12)		2
BIOTIN	MG/KG	(0.02)	(0.02)		2
CHOLINE	MG/KG	(11314.)	(12281.)		2
FOLIC ACID	MG/KG	(5.53)	(6.01)		2
NIACIN	MG/KG	204.0	221.4		2
PANTOTHENIC ACID	MG/KG	(29.1)	(31.5)	53	5
RIBOFLAVIN	MG/KG	(36.3)	(39.4)	27	5
THIAMINE	MG/KG	(0.2)	(0.2)		2
VITAMIN B12	UG/KG	(499.0)	(541.6)		1
ARGININE	%	(4.15)	(4.50)		3
CYSTINE	%	(0.90)	(0.97)		3
GLUTAMIC ACID	%	(8.07)	(8.76)		2
GLYCINE	%	(5.57)	(6.05)		3
HISTIDINE	%	(1.47)	(1.60)		3
ISOLEUCINE	%	(3.09)	(3.35)		3
LEUCINE	%	(5.27)	(5.73)		3
LYSINE	%	(4.81)	(5.22)		3
METHIONINE	%	(1.23)	(1.33)		3
PHENYLALANINE	%	(2.90)	(3.14)		3
SERINE	%	(2.49)	(2.70)		1
THREONINE	%	(2.48)	(2.69)		3
TRYPTOPHAN	%	(0.59)	(0.64)		3
TYROSINE	%	(1.69)	(1.84)		2
VALINE	%	4.12	4.48		3

ANIMAL, MEAT NO FAT, COOKED DEMY GRND, (5)

REF NO 5-13-534

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.9	100.0		1
ORGANIC MATTER	%	81.0	95.4		1
ASH	%	3.9	4.6		1
CRUDE FIBER	%	0.5	0.6		1
ETHER EXTRACT	%	0.2	0.2		1
NITROGEN FREE EXTRACT	%	11.3	13.3		1
PROTEIN	%	69.0	81.3		1

ANIMAL, BONE CHARCOAL, RETORT CHARRED GRND,
(6)
BONE BLACK (CFA)
SPENT BONE BLACK

REF NO 6-00-403

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	98.9	100.0		2
ORGANIC MATTER	%	(6.2)	(6.3)		1
ASH	%	94.9	96.0		2
CALCIUM	%	43.79	44.30		2
IRON	%	0.016	0.016		1
PHOSPHORUS	%	19.03	19.25		1

ANIMAL, BONE CHARCOAL, RETORT CHARRED GRND, MN
14% PHOSPHORUS, (6)
BONE CHARCOAL (AAFCO)

REF NO 6-00-402

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CALCIUM	%		37.07	4	5
PHOSPHORUS	%		17.41	7	5

ANIMAL, BONES, COOKED DEMY GRND, MN 10%
PHOSPHORUS, (6)
FEEDING BONE MEAL (CFA)

REF NO 6-00-397

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.8	100.0	16	6
ORGANIC MATTER	%	26.3	29.7		
ASH	%	62.4	70.3		3
CRUDE FIBER	%	1.8	2.0		2
ETHER EXTRACT	%	6.2	7.0	52	4
NITROGEN FREE EXTRACT	%	-4.9	-5.5		2
PROTEIN	%	23.2	26.2	31	5
SHEEP	DIG COEF %	69.	69.		1
SHEEP	DIG PROT %	16.0	18.1		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.78	0.88		
SHEEP	ME MCAL/KG *	0.64	0.72		
SHEEP	TDN % *	17.6	19.9		
CALCIUM	%	(24.52)	(27.63)	28	5
CHLORINE	%	(0.09)	(0.10)		1
COPPER	MG/KG	17.8	20.0		1
FLUORINE	MG/KG	(1893.97)	(2133.65)		2
IRON	%	(0.042)	(0.047)		1
MAGNESIUM	%	(0.33)	(0.37)		1
MANGANESE	MG/KG	8.2	9.2		1
PHOSPHORUS	%	(10.68)	(12.04)	24	5
SODIUM	%	(0.70)	(0.79)		1
SULPHUR	%	(0.11)	(0.13)		1
NIACIN	MG/KG	(4.0)	(4.5)		1
PANTOTHENIC ACID	MG/KG	(2.1)	(2.4)		1
RIBOFLAVIN	MG/KG	(1.3)	(1.4)		1
THIAMINE	MG/KG	0.2	0.2		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ANIMAL, BONES, COOKED SOLV EXTD DEHY GRND, (6)					
REF NO 6-08-338					
DRY MATTER	%		100.0		
CALCIUM	%		26.85		2
PHOSPHORUS	%		11.81		2
ANIMAL, BONES, RAW DEHY GRND, (6) BONE RAW					
REF NO 6-00-398					
DRY MATTER	%	93.7	100.0		1
ORGANIC MATTER	%	37.2	39.7		
ASH	%	56.5	60.3		1
CRUDE FIBER	%	0.4	0.4		1
ETHER EXTRACT	%	4.9	5.2		1
NITROGEN FREE EXTRACT	%	0.1	0.1		
PROTEIN	%	31.8	33.9		1
ANIMAL, BONES, STEAMED DEHY GRND, (6) BONE MEAL, STEAMED (AAFCO)					
REF NO 6-00-400					
DRY MATTER	%	94.7	100.0	3	52
ORGANIC MATTER	%	36.5	38.6	25	15
ASH	%	66.6	70.3	25	60
CRUDE FIBER	%	1.9	2.0	72	34
ETHER EXTRACT	%	4.6	4.8	82	54
NITROGEN FREE EXTRACT	%	1.4	1.5	89	49
PROTEIN	%	20.3	21.4	63	58
ENERGY GE KCAL/KG					
CHICKENS ME-N KCAL/KG		(1068.)	(1127.)		1
CHICKENS PRODUCTIVE KCAL/KG		(712.)	(752.)		1
ALUMINUM	MG/KG	(2687.11)	(2837.38)		2
BARIUM	MG/KG	265.122	279.949		2
CALCIUM	%	(25.04)	(26.44)	51	34
CHLORINE	%	0.03	0.03	98	4
COPPER	MG/KG	(133.2)	(140.7)	98	7
FLUORINE	MG/KG	(3332.53)	(3518.89)		2
IODINE	MG/KG	32.377	34.188		3
IRON	%	(0.061)	(0.065)	60	8
MAGNESIUM	%	(0.75)	(0.79)	98	8
MANGANESE	MG/KG	40.1	42.3	35	4
PHOSPHORUS	%	(11.16)	(11.78)	31	47
CHICKENS, CHICKS AVAILABLE	%	12.96	13.68		1
POTASSIUM	%	0.18	0.19		2
SODIUM	%	(0.29)	(0.31)	61	8
SULPHUR	%	(1.84)	(1.94)	98	4
STRONTIUM	MG/KG	(3033.127)	(3202.749)		2
ZINC	MG/KG	(300.4)	(317.1)		2
CHOLINE	MG/KG	(879.)	(928.)		1
NIACIN	MG/KG	(12.4)	(13.1)		3
PANTOTHENIC ACID	MG/KG	(5.3)	(5.6)		3
RIBOFLAVIN	MG/KG	(1.3)	(1.3)		3
THIAMINE	MG/KG	0.4	0.5		1
ALANINE	%	7.41	7.82		1
ARGININE	%	2.46	2.60		1
ASPARTIC ACID	%	14.45	15.26		1
CYSTINE	%	0.32	0.34		1
GLUTAMIC ACID	%	12.13	12.81		1
GLYCINE	%	16.68	17.61		1
HISTIDINE	%	2.46	2.60		1
LYSINE	%	4.02	4.24		1
METHIONINE	%	0.14	0.15		1
PHENYLALANINE	%	2.27	2.40		1
PROLINE	%	9.80	10.35		1
SERINE	%	2.44	2.58		1
THREONINE	%	2.37	2.50		1
TRYPTOPHAN	%	0.11	0.12		1
TYROSINE	%	3.10	3.27		1
ANIMAL, BONES, STEAMED SOLV EXTD DEHY GRND, (6)					
REF NO 6-08-339					
DRY MATTER	%	99.4	100.0		1
ORGANIC MATTER	%	8.0	8.0		1
ASH	%	91.4	92.0		1
NITROGEN FREE EXTRACT	%	5.4	5.4		1
PROTEIN	%	2.6	2.6		1
ANIMAL LIVER MEAL (CFA) =SEE ANIMAL, LIVERS, DEHY GRND, (5)					
ANIMAL LIVER MEAL (AAFCO) =SEE ANIMAL, LIVERS, DEHY GRND, (5)					
ANNONA CHERIMOLA, CHERIMOYA					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ANNONA CHERIMOLA, FRUIT NO PEELINGS, FRESH, (4)					
REF NO 4-13-349					
DRY MATTER	%	38.5	100.0		1
ORGANIC MATTER	%	37.1	96.4		
ASH	%	1.4	3.6		1
CRUDE FIBER	%	2.0	5.2		1
ETHER EXTRACT	%	0.2	0.5		1
NITROGEN FREE EXTRACT	%	34.0	88.3		
PROTEIN	%	0.9	2.3		1
CATTLE DIG PROT % *		-0.7	-1.8		
GOATS DIG PROT % *		-0.2	-0.6		
HORSES DIG PROT % *		-0.2	-0.6		
SHEEP DIG PROT % *		-0.2	-0.6		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		1.43	3.72		
SWINE DE KCAL/KG *		1545.	4013.		
SHEEP ME MCAL/KG *		1.17	3.05		
SWINE ME KCAL/KG *		1476.	3833.		
SHEEP TDN % *		32.5	84.3		
SWINE TDN % *		35.0	91.0		
CALCIUM	%	0.04	0.10		1
IRON	%	0.001	0.003		1
PHOSPHORUS	%	0.04	0.10		1
ASCORBIC ACID	MG/KG	189.0	490.9		1
NIACIN	MG/KG	8.6	22.3		1
RIBOFLAVIN	MG/KG	1.4	3.6		1
THIAMINE	MG/KG	0.9	2.3		1
VITAMIN A EQUIV	IU/G	3.0	7.8		
ANTHEPHORA HERMAPHRODITA					
ANTHEPHORA HERMAPHRODITA, AERIAL PART, FRESH, LATE BLOOM, (2)					
REF NO 2-11-993					
DRY MATTER	%	24.5	100.0		1
ORGANIC MATTER	%	22.8	93.1		
ASH	%	1.7	6.9		1
CRUDE FIBER	%	8.7	35.5		1
ETHER EXTRACT	%	0.6	2.3		1
NITROGEN FREE EXTRACT	%	12.2	49.7		1
PROTEIN	%	1.4	5.6		1
CATTLE DIG PROT % *		0.6	2.7		
GOATS DIG PROT % *		0.4	1.8		
HORSES DIG PROT % *		0.6	2.3		
RABBITS DIG PROT % *		0.7	3.0		
SHEEP DIG PROT % *		0.5	2.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.54	2.21		
SHEEP DE MCAL/KG *		0.61	2.51		
CATTLE ME MCAL/KG *		0.44	1.81		
SHEEP ME MCAL/KG *		0.50	2.06		
CATTLE NE-M MCAL/KG *		0.26	1.07		
CATTLE NE-GAIN MCAL/KG *		0.07	0.28		
CATTLE NE-LACTATION MCAL/KG *		0.25	1.01		
CATTLE TDN % *		12.3	50.2		
SHEEP TDN % *		13.9	56.9		
CALCIUM	%	0.07	0.27		1
PHOSPHORUS	%	0.04	0.16		1
ANTHEPHORA HERMAPHRODITA HERMAPHRODITA, AERIAL PART, FRESH, (2)					
REF NO 2-11-202					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.3		
ASH	%		5.7		1
CRUDE FIBER	%		65.8		1
ETHER EXTRACT	%		1.0		1
NITROGEN FREE EXTRACT	%		19.0		1
PROTEIN	%		8.5		1
CATTLE DIG PROT % *			5.1		
GOATS DIG PROT % *			4.5		
HORSES DIG PROT % *			4.7		
RABBITS DIG PROT % *			5.2		
SHEEP DIG PROT % *			4.9		
ANTHEPHORA HERMAPHRODITA HERMAPHRODITA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-809					
DRY MATTER	%	25.0	100.0		2
ORGANIC MATTER	%	21.7	86.7		2
ASH	%	3.3	13.3		2
CRUDE FIBER	%	8.5	34.1		2
ETHER EXTRACT	%	0.7	2.8		2
NITROGEN FREE EXTRACT	%	9.8	39.2		2
PROTEIN	%	2.7	10.7		2
CATTLE DIG PROT % *		1.7	6.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT % *	1.6	6.5		
HORSES	DIG PROT % *	1.6	6.6		
RABBITS	DIG PROT % *	1.7	6.9		
SHEEP	DIG PROT % *	1.7	6.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.56	2.25		
SHEEP	DE MCAL/KG *	0.63	2.50		
CATTLE	ME MCAL/KG *	0.46	1.84		
SHEEP	ME MCAL/KG *	0.51	2.05		
CATTLE	NE-M MCAL/KG *	0.27	1.09		
CATTLE	NE-GAIN MCAL/KG *	0.08	0.32		
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.04		
CATTLE	TDN % *	12.8	51.0		
SHEEP	TDN % *	14.2	56.7		
CALCIUM	%	0.09	0.37		2
PHOSPHORUS	%	0.05	0.21		2

ANTHOXANTHUM ODORATUM, VERNALGRASS, SWEET

ANTHOXANTHUM ODORATUM SWEET, AERIAL PART, FRESH, (2)

REF NO 2-05-094

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.3	100.0		1
ORGANIC MATTER	%	19.9	93.4		
ASH	%	1.4	6.6		1
CRUDE FIBER	%	6.8	31.6		1
ETHER EXTRACT	%	0.5	2.2		1
NITROGEN FREE EXTRACT	%	10.7	50.2		1
PROTEIN	%	2.0	9.3		1
CATTLE	DIG PROT % *	1.2	5.8		
GOATS	DIG PROT % *	1.1	5.2		
HORSES	DIG PROT % *	1.2	5.4		
RABBITS	DIG PROT % *	1.2	5.9		
SHEEP	DIG PROT % *	1.2	5.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.54	2.55		
SHEEP	DE MCAL/KG *	0.56	2.65		
CATTLE	ME MCAL/KG *	0.45	2.09		
SHEEP	ME MCAL/KG *	0.46	2.17		
CATTLE	NE-M MCAL/KG *	0.26	1.23		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.58		
CATTLE	NE-LACTATION MCAL/KG *	0.27	1.28		
CATTLE	TDN % *	12.3	57.8		
SHEEP	TDN % *	12.8	60.1		

APIUM GRAVEOLENS, CELERY, WILD

APIUM GRAVEOLENS WILD, LEAVES, FRESH, (2)

REF NO 2-01-196

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.7	100.0		1
ORGANIC MATTER	%	14.8	83.6		
ASH	%	2.9	16.4		1
CRUDE FIBER	%	2.8	15.8		1
ETHER EXTRACT	%	0.2	1.1		1
NITROGEN FREE EXTRACT	%	7.3	41.2		
PROTEIN	%	4.5	25.4		1
CATTLE	DIG PROT % *	3.5	19.5		
GOATS	DIG PROT % *	3.6	20.3		
HORSES	DIG PROT % *	3.4	19.1		
RABBITS	DIG PROT % *	3.2	18.3		
SHEEP	DIG PROT % *	3.7	20.7		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.49	2.77		
SHEEP	ME MCAL/KG *	0.40	2.27		
SHEEP	TDN % *	11.1	62.8		
CALCIUM	%	0.22	1.24		1
IRON	%	0.008	0.045		1
PHOSPHORUS	%	0.04	0.23		1
ASCORBIC ACID	MG/KG	296.0	1672.3		1
NIACIN	MG/KG	9.3	52.5		2
RIBOFLAVIN	MG/KG	1.6	9.0		1
THIAMINE	MG/KG	0.9	5.1		1
VITAMIN A EQUIV	IU/G	116.0	655.5		

APIUM GRAVEOLENS, DULCE, CELERY, GARDEN

APIUM GRAVEOLENS, DULCE GARDEN, STALKS, FRESH, MATURE, (4)

REF NO 4-13-539

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	12.2	100.0		1
ORGANIC MATTER	%	10.7	87.7		
ASH	%	1.5	12.3		1
CRUDE FIBER	%	2.4	19.7		1
ETHER EXTRACT	%	0.2	1.6		1
NITROGEN FREE EXTRACT	%	7.5	61.5		
PROTEIN	%	0.6	4.9		1
CATTLE	DIG PROT % *	0.1	0.5		
GOATS	DIG PROT % *	0.2	1.7		
HORSES	DIG PROT % *	0.2	1.7		
SHEEP	DIG PROT % *	0.2	1.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.19	1.57		
SHEEP	DE MCAL/KG *	0.36	2.97		
SWINE	DE KCAL/KG *	289.	2371.		
CATTLE	ME MCAL/KG *	0.16	1.29		
SHEEP	ME MCAL/KG *	0.30	2.44		
SWINE	ME KCAL/KG *	275.	2253.		
CATTLE	NE-M MCAL/KG *	0.10	0.82		
CATTLE	NE-GAIN MCAL/KG *	-0.05	-0.40		
CATTLE	NE-LACTATION MCAL/KG *	0.06	0.51		
CATTLE	TDN % *	4.4	35.7		
SHEEP	TDN % *	8.2	67.4		
SWINE	TDN % *	6.6	53.8		
CALCIUM	%	0.10	0.82		1
IRON	%	0.001	0.008		1
PHOSPHORUS	%	0.04	0.33		1
ASCORBIC ACID	MG/KG	80.0	655.7		1
NIACIN	MG/KG	6.5	53.3		1
RIBOFLAVIN	MG/KG	0.7	5.7		1
THIAMINE	MG/KG	0.3	2.5		1
VITAMIN A EQUIV	IU/G	5.5	45.1		

ARACHIS DIOGOI, PEANUT, DIOGOI

ARACHIS DIOGOI DIOGOI, AERIAL PART, FRESH, (2)

REF NO 2-11-203

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.0		
ASH	%		5.0		1
CRUDE FIBER	%		21.1		1
ETHER EXTRACT	%		3.8		1
NITROGEN FREE EXTRACT	%		55.6		1
PROTEIN	%		14.5		1
CATTLE	DIG PROT % *		10.2		
GOATS	DIG PROT % *		10.1		
HORSES	DIG PROT % *		9.9		
RABBITS	DIG PROT % *		9.9		
SHEEP	DIG PROT % *		10.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		4.07		
SHEEP	DE MCAL/KG *		3.07		
CATTLE	ME MCAL/KG *		3.34		
SHEEP	ME MCAL/KG *		2.52		
CATTLE	NE-M MCAL/KG *		2.33		
CATTLE	NE-GAIN MCAL/KG *		1.50		
CATTLE	NE-LACTATION MCAL/KG *		2.47		
CATTLE	TDN % *		92.4		
SHEEP	TDN % *		69.7		

ARACHIS HYPOGAEA, PEANUT

ARACHIS HYPOGAEA, HAY, S-C, (1)

REF NO 1-03-619

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.1	100.0		3
ORGANIC MATTER	%	76.6	90.0		
ASH	%	8.5	10.0	11	5
CRUDE FIBER	%	23.1	27.1	18	5
ETHER EXTRACT	%	2.5	2.9	75	5
NITROGEN FREE EXTRACT	%	39.6	46.5	11	5
PROTEIN	%	11.4	13.4	39	5
CATTLE	DIG PROT % *	7.3	8.6		
GOATS	DIG PROT % *	7.7	9.1		
HORSES	DIG PROT % *	7.6	8.9		
RABBITS	DIG PROT % *	7.7	9.0		
SHEEP	DIG PROT % *	7.3	8.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.20	2.58		
HORSES	DE MCAL/KG *	1.67	1.96		
SHEEP	DE MCAL/KG *	2.12	2.49		
CATTLE	ME MCAL/KG *	1.80	2.11		
HORSES	ME MCAL/KG *	1.37	1.60		
SHEEP	ME MCAL/KG *	1.74	2.04		
CATTLE	NE-M MCAL/KG *	1.06	1.25		
CATTLE	NE-GAIN MCAL/KG *	0.52	0.61		
CATTLE	NE-LACTATION MCAL/KG *	1.11	1.30		
CATTLE	TDN % *	49.8	58.5		
HORSES	TDN % *	41.6	48.9		
SHEEP	TDN % *	48.1	56.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, HAY W NUTS, S-C, (1)						
REF NO 1-03-620						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.7		
ASH		%		12.3		1
CRUDE FIBER		%		28.0		1
ETHER EXTRACT		%		3.4		1
NITROGEN FREE EXTRACT		%		44.6		1
PROTEIN		%		11.7		1
CATTLE	DIG PROT	% *		7.0		
GOATS	DIG PROT	% *		7.4		
HORSES	DIG PROT	% *		7.4		
RABBITS	DIG PROT	% *		7.7		
SHEEP	DIG PROT	% *		7.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.43		
HORSES	DE	MCAL/KG *		1.98		
SHEEP	DE	MCAL/KG *		2.35		
CATTLE	ME	MCAL/KG *		1.99		
HORSES	ME	MCAL/KG *		1.63		
SHEEP	ME	MCAL/KG *		1.93		
CATTLE	NE-M	MCAL/KG *		1.18		
CATTLE	NE-GAIN	MCAL/KG *		0.48		
CATTLE	NE-LACTATION	MCAL/KG *		1.18		
CATTLE	TDN	% *		55.2		
HORSES	TDN	% *		49.6		
SHEEP	TDN	% *		53.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, HAY NO NUTS, S-C, (1)						
REF NO 1-03-626						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.4		
ASH		%		10.6		1
CRUDE FIBER		%		32.2		1
ETHER EXTRACT		%		1.6		1
NITROGEN FREE EXTRACT		%		44.1		1
PROTEIN		%		11.6		1
CATTLE	DIG PROT	% *		7.0		
GOATS	DIG PROT	% *		7.4		
HORSES	DIG PROT	% *		7.4		
RABBITS	DIG PROT	% *		7.6		
SHEEP	DIG PROT	% *		7.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.32		
HORSES	DE	MCAL/KG *		1.86		
SHEEP	DE	MCAL/KG *		2.32		
CATTLE	ME	MCAL/KG *		1.90		
HORSES	ME	MCAL/KG *		1.53		
SHEEP	ME	MCAL/KG *		1.90		
CATTLE	NE-M	MCAL/KG *		1.12		
CATTLE	NE-GAIN	MCAL/KG *		0.38		
CATTLE	NE-LACTATION	MCAL/KG *		1.10		
CATTLE	TDN	% *		52.6		
HORSES	TDN	% *		46.3		
SHEEP	TDN	% *		52.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, HAY NO NUTS, S-C MATURE, (1)						
REF NO 1-03-623						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.0		
ASH		%		9.0		1
CRUDE FIBER		%		20.3		1
ETHER EXTRACT		%		3.1		1
NITROGEN FREE EXTRACT		%		51.9		1
PROTEIN		%		15.7		1
CATTLE	DIG PROT	% *		10.5		
GOATS	DIG PROT	% *		11.2		
HORSES	DIG PROT	% *		10.9		
RABBITS	DIG PROT	% *		10.8		
SHEEP	DIG PROT	% *		10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.91		
HORSES	DE	MCAL/KG *		1.90		
SHEEP	DE	MCAL/KG *		2.77		
CATTLE	ME	MCAL/KG *		2.38		
HORSES	ME	MCAL/KG *		1.56		
SHEEP	ME	MCAL/KG *		2.27		
CATTLE	NE-M	MCAL/KG *		1.43		
CATTLE	NE-GAIN	MCAL/KG *		0.85		
CATTLE	NE-LACTATION	MCAL/KG *		1.56		
CATTLE	TDN	% *		65.9		
HORSES	TDN	% *		47.4		
SHEEP	TDN	% *		62.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, HAY NO NUTS, S-C GRND, (1)						
REF NO 1-03-627						
DRY MATTER		%	89.2	100.0		1
ORGANIC MATTER		%	78.2	87.7		1
ASH		%	11.0	12.3		1
CRUDE FIBER		%	26.8	30.0		1
ETHER EXTRACT		%	2.4	2.7		1
NITROGEN FREE EXTRACT		%	35.9	40.2		1
PROTEIN		%	13.1	14.7		1
CATTLE	DIG PROT	% *	8.6	9.7		
GOATS	DIG PROT	% *	9.2	10.3		
HORSES	DIG PROT	% *	8.9	10.0		
RABBITS	DIG PROT	% *	8.9	10.0		
SHEEP	DIG PROT	% *	8.7	9.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.14	2.40		
HORSES	DE	MCAL/KG *	1.77	1.99		
SHEEP	DE	MCAL/KG *	2.11	2.37		
CATTLE	ME	MCAL/KG *	1.75	1.97		
HORSES	ME	MCAL/KG *	1.45	1.63		
SHEEP	ME	MCAL/KG *	1.73	1.94		
CATTLE	NE-M	MCAL/KG *	1.03	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.41	0.45		
CATTLE	NE-LACTATION	MCAL/KG *	1.03	1.16		
CATTLE	TDN	% *	48.5	54.4		
HORSES	TDN	% *	44.4	49.8		
SHEEP	TDN	% *	47.9	53.7		
CALCIUM		%	1.63	1.83		1
PHOSPHORUS		%	0.18	0.20		1
VITAMIN A EQUIV		IU/G	249.2	279.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, HULLS, (1) PEANUT HULLS (AAFCO)						
REF NO 1-08-028						
DRY MATTER		%	94.7	100.0		2
ORGANIC MATTER		%	87.7	92.6		
ASH		%	7.0	7.4	48	4
CRUDE FIBER		%	54.0	57.1	13	4
ETHER EXTRACT		%	1.2	1.3	19	4
NITROGEN FREE EXTRACT		%	24.7	26.1	21	4
PROTEIN		%	7.7	8.1	23	4
CATTLE	DIG PROT	% *	3.8	4.0		
GOATS	DIG PROT	% *	3.9	4.2		
HORSES	DIG PROT	% *	4.2	4.4		
RABBITS	DIG PROT	% *	4.7	5.0		
SHEEP	DIG PROT	% *	3.7	3.9		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, HULLS, GRND, (1)						
REF NO 1-03-629						
DRY MATTER		%	92.0	100.0		3
ORGANIC MATTER		%	89.5	97.3	47	1
ASH		%	5.6	6.1	47	4
CRUDE FIBER		%	55.0	59.8	24	4
ETHER EXTRACT		%	2.8	3.1	45	4
NITROGEN FREE EXTRACT		%	21.4	23.3	56	4
PROTEIN		%	7.2	7.8	17	4
CATTLE	DIG PROT	% *	3.4	3.7		
GOATS	DIG PROT	% *	3.5	3.8		
HORSES	DIG PROT	% *	3.8	4.1		
RABBITS	DIG PROT	% *	4.3	4.7		
SHEEP	DIG PROT	% *	3.3	3.5		
CALCIUM		%	0.21	0.23		1
IRON		%	0.021	0.023		1
PHOSPHORUS		%	0.11	0.12		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, SKINS, GRND, (1) PEANUT SKINS (CFA) PEANUT SKINS (AAFCO)						
REF NO 1-03-631						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		97.1		
ASH		%		2.9		1
CRUDE FIBER		%		19.9		1
ETHER EXTRACT		%		24.1		1
NITROGEN FREE EXTRACT		%		33.2		1
PROTEIN		%		19.9		1
CATTLE	DIG PROT	% *		14.2		
GOATS	DIG PROT	% *		15.1		
HORSES	DIG PROT	% *		14.4		
RABBITS	DIG PROT	% *		14.0		
SHEEP	DIG PROT	% *		14.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, AERIAL PART, FRESH, (2)					
REF NO 2-03-638					
DRY MATTER	%	16.9	100.0		2
ORGANIC MATTER	%	14.5	85.6		
ASH	%	2.4	14.4	19	4
CRUDE FIBER	%	3.8	22.2	10	4
ETHER EXTRACT	%	0.6	3.3	26	4
NITROGEN FREE EXTRACT	%	7.6	44.8	6	4
PROTEIN	%	2.6	15.3	41	4
CATTLE DIG PROT % *		1.8	10.9		
GOATS DIG PROT % *		1.8	10.8		
HORSES DIG PROT % *		1.8	10.5		
RABBITS DIG PROT % *		1.8	10.5		
SHEEP DIG PROT % *		1.9	11.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.47	2.76		
SHEEP DE MCAL/KG *		0.46	2.75		
CATTLE ME MCAL/KG *		0.38	2.26		
SHEEP ME MCAL/KG *		0.38	2.25		
CATTLE NE-M MCAL/KG *		0.23	1.35		
CATTLE NE-GAIN MCAL/KG *		0.13	0.75		
CATTLE NE-LACTATION MCAL/KG *		0.24	1.44		
CATTLE TDN % *		10.6	62.6		
SHEEP TDN % *		10.5	62.3		
ARACHIS HYPOGAEA, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-03-636					
DRY MATTER	%	27.9	100.0		1
ORGANIC MATTER	%	24.8	88.9		1
ASH	%	3.1	11.1		1
CRUDE FIBER	%	5.0	17.8		1
ETHER EXTRACT	%	0.7	2.6		1
NITROGEN FREE EXTRACT	%	13.6	48.7		1
PROTEIN	%	5.5	19.8		1
CATTLE DIG PROT % *		4.1	14.7		
GOATS DIG PROT % *		4.2	15.0		
HORSES DIG PROT % *		4.0	14.3		
RABBITS DIG PROT % *		3.9	14.0		
SHEEP DIG PROT % *		4.3	15.4		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.86	3.09		
SHEEP DE MCAL/KG *		0.83	2.98		
CATTLE ME MCAL/KG *		0.71	2.53		
SHEEP ME MCAL/KG *		0.68	2.44		
CATTLE NE-M MCAL/KG *		0.43	1.55		
CATTLE NE-GAIN MCAL/KG *		0.27	0.98		
CATTLE NE-LACTATION MCAL/KG *		0.47	1.70		
CATTLE TDN % *		19.5	70.0		
SHEEP TDN % *		18.9	67.6		
CALCIUM	%	0.36	1.29		1
PHOSPHORUS	%	0.08	0.28		1
ARACHIS HYPOGAEA, STEMS, FRESH, (2)					
REF NO 2-15-445					
DRY MATTER	%	43.0	100.0		1
ORGANIC MATTER	%	36.1	84.0		
ASH	%	6.9	16.0		1
CRUDE FIBER	%	10.8	25.0		1
ETHER EXTRACT	%	0.4	0.9		1
NITROGEN FREE EXTRACT	%	19.7	45.7		
PROTEIN	%	5.3	12.4		1
CATTLE DIG PROT % *		3.6	8.4		
GOATS DIG PROT % *		3.5	8.1		
HORSES DIG PROT % *		3.5	8.1		
RABBITS DIG PROT % *		3.5	8.2		
SHEEP DIG PROT % *		3.7	8.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.15	2.68		
SHEEP DE MCAL/KG *		1.08	2.52		
CATTLE ME MCAL/KG *		0.94	2.19		
SHEEP ME MCAL/KG *		0.89	2.07		
CATTLE NE-M MCAL/KG *		0.56	1.30		
CATTLE NE-GAIN MCAL/KG *		0.29	0.68		
CATTLE NE-LACTATION MCAL/KG *		0.59	1.37		
CATTLE TDN % *		26.1	60.7		
SHEEP TDN % *		24.6	57.2		
ARACHIS HYPOGAEA, KERNELS, EXTN UNSPECIFIED GRND, 45% PROTEIN, (5)					
REF NO 5-03-647					
DRY MATTER	%	90.9	100.0		3
ORGANIC MATTER	%	86.1	94.7		2
ASH	%	4.8	5.3		2
CRUDE FIBER	%	15.2	16.8		3
ETHER EXTRACT	%	0.7	0.8		2
NITROGEN FREE EXTRACT	%	21.5	23.6		2
PROTEIN	%	48.6	53.5		3
SUGARS, TOTAL	%	20.0	22.0		2
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		2.92	3.21		
SHEEP ME MCAL/KG *		2.39	2.63		
SHEEP TDN % *		66.2	72.8		
CALCIUM	%	0.23	0.26		2
PHOSPHORUS	%	0.70	0.77		2
ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND, (5)					
REF NO 5-11-253					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.8		1
ASH	%		8.2		1
CRUDE FIBER	%		15.1		1
ETHER EXTRACT	%		11.1		1
NITROGEN FREE EXTRACT	%		26.0		1
PROTEIN	%		39.5		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			3.48		
SHEEP DE MCAL/KG *			3.59		
CATTLE ME MCAL/KG *			2.86		
SHEEP ME MCAL/KG *			2.94		
CATTLE NE-M MCAL/KG *			1.82		
CATTLE NE-GAIN MCAL/KG *			1.21		
CATTLE NE-LACTATION MCAL/KG *			2.00		
CATTLE TDN % *			79.0		
SHEEP TDN % *			81.4		
ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND, MX 7% FIBER, (5) PEANUT MEAL (CFA) PEANUT MEAL (AAFCO) PEANUT OIL MEAL, EXPELLER EXTRACTED					
REF NO 5-03-649					
DRY MATTER	%	91.4	100.0		1
ORGANIC MATTER	%	(86.0)	(94.1)		1
ASH	%	(4.4)	(4.8)		1
CRUDE FIBER	%	(5.0)	(5.5)		1
ETHER EXTRACT	%	(3.6)	(3.9)		1
NITROGEN FREE EXTRACT	%	(30.4)	(33.3)		1
PROTEIN	%	(48.0)	(52.5)		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		(3.45)	(3.78)		
SHEEP DE MCAL/KG *		(3.46)	(3.78)		
CATTLE ME MCAL/KG *		(2.83)	(3.10)		
SHEEP ME MCAL/KG *		(2.84)	(3.10)		
CATTLE NE-M MCAL/KG *		(1.88)	(2.06)		
CATTLE NE-GAIN MCAL/KG *		(1.25)	(1.37)		
CATTLE NE-LACTATION MCAL/KG *		(2.04)	(2.24)		
CATTLE TDN % *		(78.3)	(85.7)		
SHEEP TDN % *		78.4	85.8		
CALCIUM	%	0.12	0.13		1
IRON	%	0.006	0.007		1
PHOSPHORUS	%	0.74	0.81		1
ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND, 45% PROTEIN, (5)					
REF NO 5-08-604					
DRY MATTER	%	92.6	100.0	3	11
ORGANIC MATTER	%	87.4	94.3		
ASH	%	5.2	5.7	15	15
CRUDE FIBER	%	8.0	8.6	45	13
ETHER EXTRACT	%	7.6	8.2	41	15
NITROGEN FREE EXTRACT	%	20.5	22.2	19	13
PROTEIN	%	51.3	55.4	7	15
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.32	3.59		
SHEEP DE MCAL/KG *		3.59	3.88		
CATTLE ME MCAL/KG *		2.72	2.94		
SHEEP ME MCAL/KG *		2.94	3.18		
CATTLE NE-M MCAL/KG *		1.76	1.90		
CATTLE NE-GAIN MCAL/KG *		1.18	1.27		
CATTLE NE-LACTATION MCAL/KG *		1.93	2.08		
CATTLE TDN % *		75.3	81.3		
SHEEP TDN % *		81.4	87.9		
CALCIUM	%	0.23	0.24		2
PHOSPHORUS	%	0.60	0.65		2
ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND CAKED, (5) PEANUT CAKE (CFA)					
REF NO 5-03-648					
DRY MATTER	%	92.5	100.0		2
ORGANIC MATTER	%	87.5	94.7	9	1
ASH	%	4.9	5.4	9	5
CRUDE FIBER	%	6.8	7.4	78	5
ETHER EXTRACT	%	7.0	7.6	36	5

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
NITROGEN FREE EXTRACT		%	27.9	30.2	30	5
PROTEIN		%	45.8	49.5	34	5
SUGARS, TOTAL		%	25.4	27.4		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.35	3.62		
SHEEP	DE MCAL/KG	*	3.61	3.91		
CATTLE	ME MCAL/KG	*	2.75	2.97		
SHEEP	ME MCAL/KG	*	2.96	3.20		
CATTLE	NE-M MCAL/KG	*	1.79	1.93		
CATTLE	NE-GAIN MCAL/KG	*	1.19	1.29		
CATTLE	NE-LACTATION MCAL/KG	*	1.95	2.11		
CATTLE	TDN %	*	76.0	82.2		
SHEEP	TDN %	*	81.9	88.6		
CALCIUM		%	0.16	0.17	77	4
IRON		%	0.009	0.010		1
PHOSPHORUS		%	0.21	0.23	98	4
ARGININE		%	0.04	0.04		1
CYSTINE		%	0.00	0.00		1
HISTIDINE		%	0.01	0.01		1
ISOLEUCINE		%	0.02	0.03		1
LEUCINE		%	0.03	0.03		1
LYSINE		%	0.02	0.02		1
METHIONINE		%	0.00	0.00		1
PHENYLALANINE		%	0.03	0.03		1
THREONINE		%	0.01	0.01		1
TRYPTOPHAN		%	0.00	0.00		1
TYROSINE		%	0.02	0.02		1
VALINE		%	0.03	0.04		1

ARACHIS HYPOGAEA, KERNELS, SOLV EXTD GRND, (5)

REF NO 5-11-251

DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.7		
ASH		%		6.3	11	4
CRUDE FIBER		%		16.8	4	4
ETHER EXTRACT		%		1.7	16	4
NITROGEN FREE EXTRACT		%		22.8	7	4
PROTEIN		%		52.4	2	4
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.60		
SHEEP	DE MCAL/KG	*		3.22		
CATTLE	ME MCAL/KG	*		2.13		
SHEEP	ME MCAL/KG	*		2.64		
CATTLE	NE-M MCAL/KG	*		1.26		
CATTLE	NE-GAIN MCAL/KG	*		0.62		
CATTLE	NE-LACTATION MCAL/KG	*		1.32		
CATTLE	TDN %	*		59.0		
SHEEP	TDN %	*		73.0		
CALCIUM		%		0.25		1
PHOSPHORUS		%		(0.64)		1

ARACHIS HYPOGAEA, KERNELS, SOLV EXTD GRND, MX 7% FIBER, (5)
SOLVENT EXTRACTED PEANUT MEAL (AAFCO)
GROUNDNUT OIL MEAL, SOLVENT EXTRACTED
PEANUT OIL MEAL, SOLVENT EXTRACTED

REF NO 5-03-650

DRY MATTER		%	(91.9)	(100.0)		13
ORGANIC MATTER		%	78.7	85.6		
ASH		%	13.3	14.4		1
CRUDE FIBER		%	9.6	10.5		3
ETHER EXTRACT		%	1.3	1.4		3
NITROGEN FREE EXTRACT		%	7.0	7.6		2
PROTEIN		%	60.7	66.1	16	13
FATTY ACIDS		%				
LINOLEIC		%	0.380	0.413		1
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	2.63	2.86		
CHICKENS	ME-N KCAL/KG		2199.	2391.		1
SHEEP	ME MCAL/KG	*	2.16	2.35		
SHEEP	TDN %	*	(59.6)	(64.9)		
CALCIUM		%	(0.20)	(0.22)		3
CHLORINE		%	(0.03)	(0.03)		1
MAGNESIUM		%	(0.04)	(0.04)		1
MANGANESE		MG/KG	(29.0)	(31.5)		1
PHOSPHORUS		%	(0.63)	(0.69)		3
CHICKENS, CHICKS AVAILABLE		%	(0.20)	(0.22)		1
POTASSIUM		%	(1.20)	(1.30)		1
SODIUM		%	(0.07)	(0.08)		1
ZINC		MG/KG	(20.0)	(21.7)		1
A-TOCOPHEROL		MG/KG	(3.0)	(3.3)		1
BIOTIN		MG/KG	(0.39)	(0.42)		1
CHOLINE		MG/KG	(4397.)	(4783.)		1
FOLIC ACID		MG/KG	(0.36)	(0.39)		1
NIACIN		MG/KG	(169.9)	(184.8)		1
PANTOTHENIC ACID		MG/KG	(53.0)	(57.6)		1
RIBOFLAVIN		MG/KG	(11.0)	(12.0)		2
VITAMIN B6		MG/KG	9.99	10.87		1
ALANINE		%	1.82	1.98	2	9
ARGININE		%	4.83	5.25	8	12
ASPARTIC ACID		%	5.08	5.52	1	9
CYSTINE		%	0.68	0.74	5	11
GLUTAMIC ACID		%	8.02	8.73	1	9
GLYCINE		%	(2.50)	(2.72)	5	11
HISTIDINE		%	(1.19)	(1.29)	7	12
ISOLEUCINE		%	(1.57)	(1.71)	13	12
LEUCINE		%	(2.99)	(3.25)	8	12
LYSINE		%	(1.75)	(1.91)	10	12
METHIONINE		%	(0.39)	(0.42)	8	12
PHENYLALANINE		%	2.32	2.52	6	12
PROLINE		%	1.73	1.89	3	9
SERINE		%	2.23	2.42	2	9
THREONINE		%	(1.15)	(1.25)	11	12
TRYPTOPHAN		%	0.42	0.45	8	12
TYROSINE		%	(1.76)	(1.91)	5	11
VALINE		%	1.82	1.98	18	12

ARACHIS HYPOGAEA, KERNELS, SOLV EXTD GRND, 50% PROTEIN, (5)

REF NO 5-08-605

DRY MATTER		%	92.0	100.0	2	32
ORGANIC MATTER		%	87.7	95.3	40	1
ASH		%	6.0	6.5	40	39
CRUDE FIBER		%	9.3	10.1	39	39
ETHER EXTRACT		%	2.2	2.4	62	39
NITROGEN FREE EXTRACT		%	22.3	24.3	29	39
PROTEIN		%	52.1	56.7	8	39
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.88	3.13		
SHEEP	DE MCAL/KG	*	3.17	3.44		
CATTLE	ME MCAL/KG	*	2.36	2.57		
SHEEP	ME MCAL/KG	*	2.60	2.82		
CATTLE	NE-M MCAL/KG	*	1.45	1.58		
CATTLE	NE-GAIN MCAL/KG	*	0.92	1.01		
CATTLE	NE-LACTATION MCAL/KG	*	1.59	1.73		
CATTLE	TDN %	*	65.4	71.1		
SHEEP	TDN %	*	71.8	78.1		
CALCIUM		%	0.26	0.28		1
PHOSPHORUS		%	0.65	0.71		1

ARACHIS HYPOGAEA, KERNELS, SOLV EXTD GRND CAKED, (5)

REF NO 5-11-249

DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.2		
ASH		%		5.8	16	4
CRUDE FIBER		%		12.1	38	4
ETHER EXTRACT		%		2.2	43	4
NITROGEN FREE EXTRACT		%		25.1	20	4
PROTEIN		%		54.8	7	4
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		3.05		
SHEEP	DE MCAL/KG	*		3.43		
CATTLE	ME MCAL/KG	*		2.50		
SHEEP	ME MCAL/KG	*		2.81		
CATTLE	NE-M MCAL/KG	*		1.52		
CATTLE	NE-GAIN MCAL/KG	*		0.95		
CATTLE	NE-LACTATION MCAL/KG	*		1.66		
CATTLE	TDN %	*		69.1		
SHEEP	TDN %	*		77.7		
CALCIUM		%		0.21		2
PHOSPHORUS		%		0.59		2

ARACHIS HYPOGAEA, KERNELS NO HULLS, (5)

REF NO 5-03-657

DRY MATTER		%	94.0	100.0		10
ORGANIC MATTER		%	92.7	98.6	37	2
ASH		%	1.9	2.0	37	4
CRUDE FIBER		%	2.8	3.0	38	5
ETHER EXTRACT		%	47.7	50.8	7	13
NITROGEN FREE EXTRACT		%	12.5	13.3		2
PROTEIN		%	29.1	30.9	8	13
CALCIUM		%	0.12	0.13		3
PHOSPHORUS		%	0.48	0.51		3

ARACHIS HYPOGAEA, KERNELS NO HULLS, TOASTED, (5)

REF NO 5-10-611

DRY MATTER		%	97.7	100.0		1
ORGANIC MATTER		%	95.7	98.0		1
ASH		%	2.0	2.0		1
CRUDE FIBER		%	3.7	3.8		1
ETHER EXTRACT		%	49.3	50.5		1
NITROGEN FREE EXTRACT		%	12.3	12.6		1
PROTEIN		%	30.4	31.1		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, KERNELS NO HULLS, TOASTED GRND, (5)					
REF NO 5-10-620					
DRY MATTER	%	96.0	100.0		1
ORGANIC MATTER	%	93.7	97.6		1
ASH	%	2.3	2.4		1
CRUDE FIBER	%	3.3	3.4		1
ETHER EXTRACT	%	49.0	51.0		1
NITROGEN FREE EXTRACT	%	16.1	16.8		1
PROTEIN	%	25.3	26.4		1
ARACHIS HYPOGAEA, KERNELS NO SKINS NO HULLS, (5)					
REF NO 5-11-252					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.7		
ASH	%		3.3	25	5
CRUDE FIBER	%		12.6	56	5
ETHER EXTRACT	%		28.5	82	5
NITROGEN FREE EXTRACT	%		34.0	68	5
PROTEIN	%		21.6	35	5
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		4.72		
SHEEP	ME MCAL/KG *		3.87		
SHEEP	TDN % *		107.1		
CALCIUM	%		0.27		3
PHOSPHORUS	%		0.02		3
ARACHIS HYPOGAEA, KERNELS W SKINS, FRESH, (5)					
REF NO 5-08-120					
DRY MATTER	%	93.0	100.0		98
ORGANIC MATTER	%	89.6	96.4		
ASH	%	3.4	3.6	42	5
CRUDE FIBER	%	3.7	4.0	16	5
ETHER EXTRACT	%	48.7	52.4	5	98
NITROGEN FREE EXTRACT	%	11.5	12.3	28	4
PROTEIN	%	25.8	27.7	9	98
CALCIUM	%	0.05	0.05		1
IRON	%	0.004	0.004		1
PHOSPHORUS	%	0.43	0.47		1
ASCORBIC ACID	MG/KG	11.3	12.2		1
NIACIN	MG/KG	70.0	75.2		1
RIBOFLAVIN	MG/KG	1.6	1.7		1
THIAMINE	MG/KG	4.8	5.2		1
ARACHIS HYPOGAEA, KERNELS W SKINS, FRESH FERTILIZED, (5)					
REF NO 5-13-535					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		97.3		
ASH	%		2.7	4	29
CRUDE FIBER	%		2.3	12	29
ETHER EXTRACT	%		47.2	3	29
NITROGEN FREE EXTRACT	%		12.3		
PROTEIN	%		35.5	3	29
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		5.29		
SHEEP	ME MCAL/KG *		4.33		
SHEEP	TDN % *		119.9		
CALCIUM	%		0.16	14	29
PHOSPHORUS	%		0.51	4	28
ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, (5)					
REF NO 5-03-653					
DRY MATTER	%	94.0	100.0		8
ORGANIC MATTER	%	91.8	97.7		
ASH	%	2.2	2.3	5	8
CRUDE FIBER	%	2.9	3.1	24	8
ETHER EXTRACT	%	46.1	49.1	2	8
NITROGEN FREE EXTRACT	%	10.0	10.7	19	8
PROTEIN	%	32.7	34.8	5	8
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	5.01	5.33		
SHEEP	ME MCAL/KG *	4.11	4.37		
SHEEP	TDN % *	113.6	120.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, MECH EXTD GRND, (5) PEANUT MEAL AND HULLS (AAFCO) PEANUT OIL MEAL W SHELLS, MECHANICAL EXTRACTED					
REF NO 5-03-655					
DRY MATTER	%	92.7	100.0	1	17
ORGANIC MATTER	%	87.5	94.4		
ASH	%	5.2	5.6		3
CRUDE FIBER	%	17.3	18.7	45	4
ETHER EXTRACT	%	7.5	8.1	22	16
NITROGEN FREE EXTRACT	%	18.5	20.0		3
PROTEIN	%	44.1	47.6	10	16
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.04	3.28		
SHEEP	DE MCAL/KG *	3.27	3.53		
CATTLE	ME MCAL/KG *	2.49	2.69		
SHEEP	ME MCAL/KG *	2.68	2.89		
CATTLE	NE-M MCAL/KG *	1.55	1.67		
CATTLE	NE-GAIN MCAL/KG *	1.02	1.10		
CATTLE	NE-LACTATION MCAL/KG *	1.71	1.85		
CATTLE	TDN % *	69.0	74.4		
SHEEP	TDN % *	74.2	80.1		
ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, SOLV EXTD GRND, (5) SOLVENT EXTRACTED PEANUT MEAL AND HULLS (AAFCO) PEANUT OIL MEAL W SHELLS, SOLVENT EXTRACTED					
REF NO 5-03-656					
DRY MATTER	%	91.5	100.0		1
ORGANIC MATTER	%	86.7	94.8		1
ASH	%	4.8	5.2		1
CRUDE FIBER	%	20.8	22.7		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	17.1	18.7		1
PROTEIN	%	48.0	52.5		1
SUGARS, TOTAL	%	17.1	18.7		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.76	3.01		
SHEEP	ME MCAL/KG *	2.26	2.47		
SHEEP	TDN % *	62.5	68.3		
CALCIUM	%	0.23	0.25		1
PHOSPHORUS	%	0.69	0.75		1
ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, SOLV EXTD GRND CAKED, (5)					
REF NO 5-15-446					
DRY MATTER	%	91.0	100.0		1
ORGANIC MATTER	%	80.7	88.7		
ASH	%	10.3	11.3		1
CRUDE FIBER	%	14.2	15.6		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	33.9	37.2		
PROTEIN	%	31.9	35.0		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.61	2.86		
SHEEP	ME MCAL/KG *	2.14	2.35		
SHEEP	TDN % *	59.1	65.0		
ARACHIS PROSTRATA, PEANUT, WILD					
ARACHIS PROSTRATA WILD, HAY, S-C, (1)					
REF NO 1-09-744					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.6		
ASH	%		8.4		1
CRUDE FIBER	%		21.9		1
ETHER EXTRACT	%		2.9		1
NITROGEN FREE EXTRACT	%		50.0		1
PROTEIN	%		16.9		1
CATTLE	DIG PROT % *		11.6		
GOATS	DIG PROT % *		12.4		
HORSES	DIG PROT % *		11.9		
RABBITS	DIG PROT % *		11.7		
SHEEP	DIG PROT % *		11.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.89		
HORSES	DE MCAL/KG *		1.93		
SHEEP	DE MCAL/KG *		2.75		
CATTLE	ME MCAL/KG *		2.37		
HORSES	ME MCAL/KG *		1.59		
SHEEP	ME MCAL/KG *		2.26		
CATTLE	NE-M MCAL/KG *		1.42		
CATTLE	NE-GAIN MCAL/KG *		0.84		
CATTLE	NE-LACTATION MCAL/KG *		1.54		
CATTLE	TDN % *		65.4		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORSES		TDN % *		48.3		
SHEEP		TDN % *		62.5		

ARISTIDA ADSCENSIONIS, THREEAWN, SIXWEEKS

ARISTIDA ADSCENSIONIS SIXWEEKS, HAY, S-C, MATURE, (1)

REF NO 1-13-233

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.7		
ASH		%		3.3		1
CRUDE FIBER		%		46.7		1
ETHER EXTRACT		%		1.0		1
NITROGEN FREE EXTRACT		%		45.4		1
PROTEIN		%		3.6		1
CATTLE	DIG PROT	% *		0.1		
GOATS	DIG PROT	% *		-0.1		
HORSES	DIG PROT	% *		0.6		
RABBITS	DIG PROT	% *		1.4		
SHEEP	DIG PROT	% *		-0.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.37		
HORSES	DE MCAL/KG	*		1.16		
SHEEP	DE MCAL/KG	*		2.28		
CATTLE	ME MCAL/KG	*		1.94		
HORSES	ME MCAL/KG	*		0.95		
SHEEP	ME MCAL/KG	*		1.87		
CATTLE	NE-M MCAL/KG	*		1.14		
CATTLE	NE-GAIN MCAL/KG	*		0.43		
CATTLE	NE-LACTATION MCAL/KG	*		1.13		
CATTLE	TDN	% *		53.7		
HORSES	TDN	% *		27.0		
SHEEP	TDN	% *		51.6		
PHOSPHORUS		%		0.34		1

ARISTIDA CAPILLACEA, THREEAWN, CAPILLACEA

ARISTIDA CAPILLACEA CAPILLACEA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-811

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	8.5	100.0		1
ORGANIC MATTER		%	7.3	85.7		1
ASH		%	1.2	14.3		1
CRUDE FIBER		%	2.7	31.7		1
ETHER EXTRACT		%	0.1	1.5		1
NITROGEN FREE EXTRACT		%	3.8	44.2		1
PROTEIN		%	0.7	8.3		1
CATTLE	DIG PROT	% *	0.4	4.9		
GOATS	DIG PROT	% *	0.4	4.3		
HORSES	DIG PROT	% *	0.4	4.6		
RABBITS	DIG PROT	% *	0.4	5.1		
SHEEP	DIG PROT	% *	0.4	4.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.21	2.45		
SHEEP	DE MCAL/KG	*	0.21	2.42		
CATTLE	ME MCAL/KG	*	0.17	2.01		
SHEEP	ME MCAL/KG	*	0.17	1.98		
CATTLE	NE-M MCAL/KG	*	0.10	1.18		
CATTLE	NE-GAIN MCAL/KG	*	0.04	0.50		
CATTLE	NE-LACTATION MCAL/KG	*	0.10	1.20		
CATTLE	TDN	% *	4.7	55.5		
SHEEP	TDN	% *	4.7	54.8		
CALCIUM		%	0.02	0.20		1
PHOSPHORUS		%	0.01	0.06		1

ARISTIDA ENODIS, THREEAWN, ENODIS

ARISTIDA ENODIS ENODIS, AERIAL PART, FRESH, (2)

REF NO 2-11-033

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.6		
ASH		%		8.4		1
PROTEIN		%		5.9		1
CATTLE	DIG PROT	% *		2.9		
GOATS	DIG PROT	% *		2.1		
HORSES	DIG PROT	% *		2.5		
RABBITS	DIG PROT	% *		3.2		
SHEEP	DIG PROT	% *		2.5		
CALCIUM		%		0.17		1
COBALT		MG/KG		0.289		1
COPPER		MG/KG		3.8		1
MANGANESE		MG/KG		47.8		1
MOLYBDENUM		MG/KG		0.02		1
PHOSPHORUS		%		0.12		1

ARISTIDA ENODIS ENODIS, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-11-034

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.3		
ASH		%		6.7		1
CRUDE FIBER		%		32.4		1
ETHER EXTRACT		%		1.3		1
NITROGEN FREE EXTRACT		%		54.4		1
PROTEIN		%		5.2		1
CATTLE	DIG PROT	% *		2.3		
GOATS	DIG PROT	% *		1.4		
HORSES	DIG PROT	% *		1.9		
RABBITS	DIG PROT	% *		2.7		
SHEEP	DIG PROT	% *		1.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.38		
SHEEP	DE MCAL/KG	*		2.55		
CATTLE	ME MCAL/KG	*		1.95		
SHEEP	ME MCAL/KG	*		2.09		
CATTLE	NE-M MCAL/KG	*		1.15		
CATTLE	NE-GAIN MCAL/KG	*		0.44		
CATTLE	NE-LACTATION MCAL/KG	*		1.14		
CATTLE	TDN	% *		54.0		
SHEEP	TDN	% *		57.9		
CALCIUM		%		0.08		1
COBALT		MG/KG		0.270		1
COPPER		MG/KG		3.1		1
MANGANESE		MG/KG		65.6		1
MOLYBDENUM		MG/KG		0.27		1
PHOSPHORUS		%		0.04		1

ARISTIDA JORULLENSIS, THREEAWN, JORULLENSIS

ARISTIDA JORULLENSIS JORULLENSIS, HAY, S-C, (1)

REF NO 1-11-222

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.5	100.0		1
PROTEIN		%	2.8	3.2		1
CATTLE	DIG PROT	% *	-0.3	-0.3		
GOATS	DIG PROT	% *	-0.4	-0.5		
HORSES	DIG PROT	% *	0.2	0.2		
RABBITS	DIG PROT	% *	1.0	1.1		
SHEEP	DIG PROT	% *	-0.5	-0.6		
CALCIUM		%	0.18	0.21		1
PHOSPHORUS		%	0.03	0.03		1

ARISTIDA JORULLENSIS JORULLENSIS, AERIAL PART, FRESH, (2)

REF NO 2-11-223

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	44.8	100.0		2
PROTEIN		%	2.8	6.3		2
CATTLE	DIG PROT	% *	1.5	3.2		
GOATS	DIG PROT	% *	1.1	2.4		
HORSES	DIG PROT	% *	1.3	2.9		
RABBITS	DIG PROT	% *	1.6	3.5		
SHEEP	DIG PROT	% *	1.3	2.9		
CALCIUM		%	0.23	0.51		2
PHOSPHORUS		%	0.03	0.06		2

ARISTIDA SPP, THREEAWN

ARISTIDA SPP, AERIAL PART, FRESH, (2) WIREGRASS

REF NO 2-04-838

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.6		
ASH		%		8.4		3
CRUDE FIBER		%		31.0		1
ETHER EXTRACT		%		3.3		1
NITROGEN FREE EXTRACT		%		54.0		1
PROTEIN		%		3.3		3
CATTLE	DIG PROT	% *		0.7		
GOATS	DIG PROT	% *		-0.3		
HORSES	DIG PROT	% *		0.4		
RABBITS	DIG PROT	% *		1.2		
SHEEP	DIG PROT	% *		0.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.65		
SHEEP	DE MCAL/KG	*		2.53		
CATTLE	ME MCAL/KG	*		2.18		
SHEEP	ME MCAL/KG	*		2.08		
CATTLE	NE-M MCAL/KG	*		1.29		
CATTLE	NE-GAIN MCAL/KG	*		0.86		
CATTLE	NE-LACTATION MCAL/KG	*		1.36		
CATTLE	TDN	% *		60.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		TDN % *		57.5		
CALCIUM		%		0.19		3
COBALT		MG/KG		0.042		3
COPPER		MG/KG		4.7		2
MANGANESE		MG/KG		129.2		2
MOLYBDENUM		MG/KG		0.17		2
PHOSPHORUS		%		0.07		3
ZINC		MG/KG		29.4		2

ARISTIDA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-04-834

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	38.1	100.0		1
ORGANIC MATTER		%	36.3	95.4		1
ASH		%	1.8	4.6		1
CRUDE FIBER		%	15.8	41.4		1
ETHER EXTRACT		%	0.4	1.1		1
NITROGEN FREE EXTRACT		%	17.4	45.7		1
PROTEIN		%	2.7	7.2		1
CATTLE	DIG PROT	% *	1.5	4.0		
GOATS	DIG PROT	% *	1.2	3.3		
HORSES	DIG PROT	% *	1.4	3.6		
RABBITS	DIG PROT	% *	1.6	4.2		
SHEEP	DIG PROT	% *	1.4	3.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.84	2.20		
SHEEP	DE	MCAL/KG *	0.92	2.42		
CATTLE	ME	MCAL/KG *	0.69	1.81		
SHEEP	ME	MCAL/KG *	0.76	1.99		
CATTLE	NE-M	MCAL/KG *	0.41	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.28		
CATTLE	NE-LACTATION	MCAL/KG *	0.38	1.01		
CATTLE		TDN % *	19.0	50.0		
SHEEP		TDN % *	20.9	54.9		
CALCIUM		%	0.03	0.09		1
PHOSPHORUS		%	0.02	0.05		1

ARISTIDA SPP, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-04-836

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.0		
ASH		%		6.0	6	4
PROTEIN		%		3.6	16	4
CATTLE	DIG PROT	% *		0.9		
GOATS	DIG PROT	% *		-0.1		
HORSES	DIG PROT	% *		0.5		
RABBITS	DIG PROT	% *		1.4		
SHEEP	DIG PROT	% *		0.3		
CALCIUM		%		0.15	16	4
COPPER		MG/KG		2.0	15	4
MANGANESE		MG/KG		54.3	17	4
MOLYBDENUM		MG/KG		0.30	6	4
PHOSPHORUS		%		0.07	15	4
ZINC		MG/KG		18.1	17	4

ARISTIDA TENNIPES, SPIDERGRASS

ARISTIDA TENNIPES, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-810

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	22.9	91.7		1
ASH		%	2.1	8.3		1
CRUDE FIBER		%	11.3	45.1		1
ETHER EXTRACT		%	0.2	0.9		1
NITROGEN FREE EXTRACT		%	10.4	41.4		1
PROTEIN		%	1.1	4.3		1
CATTLE	DIG PROT	% *	0.4	1.5		
GOATS	DIG PROT	% *	0.1	0.6		
HORSES	DIG PROT	% *	0.3	1.2		
RABBITS	DIG PROT	% *	0.5	2.0		
SHEEP	DIG PROT	% *	0.2	1.0		
CALCIUM		%	0.05	0.18		1
PHOSPHORUS		%	0.01	0.05		1

ARISTIDA TINCTA, THREEAWN, TINCTA

ARISTIDA TINCTA TINCTA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-814

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	48.3	100.0		1
ORGANIC MATTER		%	45.0	93.2		1
ASH		%	3.3	6.8		1
CRUDE FIBER		%	18.4	38.0		1
ETHER EXTRACT		%	1.4	2.8		1
NITROGEN FREE EXTRACT		%	22.7	46.9		1
PROTEIN		%	2.7	5.5		1
CATTLE	DIG PROT	% *	1.2	2.6		
GOATS	DIG PROT	% *	0.8	1.7		
HORSES	DIG PROT	% *	1.1	2.2		
RABBITS	DIG PROT	% *	1.4	2.9		
SHEEP	DIG PROT	% *	1.0	2.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.00	2.07		
SHEEP	DE	MCAL/KG *	1.20	2.48		
CATTLE	ME	MCAL/KG *	0.82	1.70		
SHEEP	ME	MCAL/KG *	0.98	2.03		
CATTLE	NE-M	MCAL/KG *	0.49	1.01		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.15		
CATTLE	NE-LACTATION	MCAL/KG *	0.44	0.90		
CATTLE		TDN % *	22.7	47.0		
SHEEP		TDN % *	27.1	56.2		
CALCIUM		%	0.07	0.15		1
PHOSPHORUS		%	0.02	0.04		1

ARRACACIA XANTHORRHIZA, ARRACACHA, APIO

ARRACACIA XANTHORRHIZA APIO, ROOTS, COOKED, (4)

REF NO 4-13-348

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.1	100.0		1
ORGANIC MATTER		%	27.2	96.8		
ASH		%	0.9	3.2		1
CRUDE FIBER		%	0.8	2.8		1
ETHER EXTRACT		%	1.2	4.3		1
NITROGEN FREE EXTRACT		%	24.0	85.4		
PROTEIN		%	1.2	4.3		1
CATTLE	DIG PROT	% *	-0.0	-0.1		
GOATS	DIG PROT	% *	0.3	1.2		
HORSES	DIG PROT	% *	0.3	1.2		
SHEEP	DIG PROT	% *	0.3	1.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.87	3.09		
SHEEP	DE	MCAL/KG *	1.06	3.76		
SWINE	DE	KCAL/KG *	1028.	3659.		
CATTLE	ME	MCAL/KG *	0.71	2.54		
SHEEP	ME	MCAL/KG *	0.87	3.09		
SWINE	ME	KCAL/KG *	978.	3482.		
CATTLE	NE-M	MCAL/KG *	0.44	1.55		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.98		
CATTLE	NE-LACTATION	MCAL/KG *	0.48	1.70		
CATTLE		TDN % *	19.7	70.1		
SHEEP		TDN % *	24.0	85.3		
SWINE		TDN % *	23.3	83.0		
CALCIUM		%	0.04	0.14		1
IRON		%	0.001	0.004		1
PHOSPHORUS		%	0.04	0.14		1
ASCORBIC ACID		MG/KG	177.0	629.9		1
NIACIN		MG/KG	4.6	16.4		1
RIBOFLAVIN		MG/KG	1.2	4.3		1
THIAMINE		MG/KG	0.6	2.1		1
VITAMIN A EQUIV		IU/G	9.0	32.0		

ARTOCARPUS ALTILIS, BREADFRUIT

ARTOCARPUS ALTILIS, FRUIT, (4)

REF NO 4-10-819

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	30.7	100.0		1
ORGANIC MATTER		%	27.3	93.4		1
ASH		%	2.0	6.6		2
CRUDE FIBER		%	5.5	17.9		2
ETHER EXTRACT		%	1.8	5.8		2
NITROGEN FREE EXTRACT		%	16.2	52.9		2
PROTEIN		%	5.2	16.9		2
CATTLE	DIG PROT	% *	3.5	11.5		
GOATS	DIG PROT	% *	3.9	12.7		
HORSES	DIG PROT	% *	3.9	12.7		
SHEEP	DIG PROT	% *	3.9	12.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.88	2.86		
SHEEP	DE	MCAL/KG *	0.90	2.93		
SWINE	DE	KCAL/KG *	789.	2572.		
CATTLE	ME	MCAL/KG *	0.72	2.35		
SHEEP	ME	MCAL/KG *	0.74	2.41		
SWINE	ME	KCAL/KG *	731.	2381.		
CATTLE	NE-M	MCAL/KG *	0.43	1.41		
CATTLE	NE-GAIN	MCAL/KG *	0.25	0.82		
CATTLE	NE-LACTATION	MCAL/KG *	0.47	1.52		
CATTLE		TDN % *	19.9	64.9		
SHEEP		TDN % *	20.4	66.5		
SWINE		TDN % *	17.9	58.3		
CALCIUM		%	0.09	0.29		1
IRON		%	0.004	0.013		1
PHOSPHORUS		%	0.13	0.42		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ARTOCARPUS ALTILIS, FRUIT, COOKED, (4)				
REF NO 4-13-660				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.0	
ASH	%		6.0	1
CRUDE FIBER	%		19.3	1
ETHER EXTRACT	%		5.8	1
NITROGEN FREE EXTRACT	%		56.4	1
PROTEIN	%		12.4	1
CATTLE DIG PROT	% *		7.4	
GOATS DIG PROT	% *		8.6	
HORSES DIG PROT	% *		8.6	
SHEEP DIG PROT	% *		8.6	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.76	
SHEEP DE	MCAL/KG *		2.95	
SWINE DE	KCAL/KG *		2562.	
CATTLE ME	MCAL/KG *		2.26	
SHEEP ME	MCAL/KG *		2.42	
SWINE ME	KCAL/KG *		2395.	
CATTLE NE-M	MCAL/KG *		1.35	
CATTLE NE-GAIN	MCAL/KG *		0.75	
CATTLE NE-LACTATION	MCAL/KG *		1.44	
CATTLE TDN	% *		62.6	
SHEEP TDN	% *		66.9	
SWINE TDN	% *		58.1	
ARTOCARPUS ALTILIS, FRUIT, DEHY GRND, (4)				
REF NO 4-10-441				
DRY MATTER	%	87.5	100.0	1
ORGANIC MATTER	%	84.3	96.3	
ASH	%	3.2	3.7	1
CRUDE FIBER	%	4.3	4.9	1
ETHER EXTRACT	%	1.0	1.1	1
NITROGEN FREE EXTRACT	%	76.9	87.9	1
PROTEIN	%	2.1	2.4	1
CATTLE DIG PROT	% *	-1.6	-1.8	
GOATS DIG PROT	% *	-0.5	-0.6	
HORSES DIG PROT	% *	-0.5	-0.6	
SHEEP DIG PROT	% *	-0.5	-0.6	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	3.26	3.72	
SWINE DE	KCAL/KG *	3445.	3937.	
SHEEP ME	MCAL/KG *	2.67	3.05	
SWINE ME	KCAL/KG *	3291.	3761.	
SHEEP TDN	% *	73.9	84.4	
SWINE TDN	% *	78.1	89.3	
ARTOCARPUS ALTILIS, SEEDS, (4)				
REF NO 4-11-025				
DRY MATTER	%	43.8	100.0	2
ORGANIC MATTER	%	42.3	96.6	
ASH	%	1.5	3.4	2
CRUDE FIBER	%	5.3	12.2	2
ETHER EXTRACT	%	2.3	5.3	2
NITROGEN FREE EXTRACT	%	30.5	69.6	2
PROTEIN	%	4.2	9.6	2
CATTLE DIG PROT	% *	2.1	4.8	
GOATS DIG PROT	% *	2.6	6.0	
HORSES DIG PROT	% *	2.6	6.0	
SHEEP DIG PROT	% *	2.6	6.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.38	3.15	
SHEEP DE	MCAL/KG *	1.49	3.40	
SWINE DE	KCAL/KG *	1484.	3388.	
CATTLE ME	MCAL/KG *	1.13	2.59	
SHEEP ME	MCAL/KG *	1.22	2.79	
SWINE ME	KCAL/KG *	1396.	3187.	
CATTLE NE-M	MCAL/KG *	0.70	1.59	
CATTLE NE-GAIN	MCAL/KG *	0.45	1.02	
CATTLE NE-LACTATION	MCAL/KG *	0.77	1.75	
CATTLE TDN	% *	31.3	71.5	
SHEEP TDN	% *	33.8	77.1	
SWINE TDN	% *	33.7	76.8	
CALCIUM	%	0.06	0.13	2
COPPER	MG/KG	15.6	35.7	2
IRON	%	0.006	0.014	2
MAGNESIUM	%	0.06	0.13	2
MANGANESE	MG/KG	2.0	4.6	2
PHOSPHORUS	%	0.14	0.31	1
ARUNDINARIA CONFINIS, CANE, CONFINIS				
ARUNDINARIA CONFINIS CONFINIS, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-13-869				
DRY MATTER	%	44.3	100.0	1
ORGANIC MATTER	%	39.7	89.6	1
ASH	%	4.6	10.4	1
CRUDE FIBER	%	17.9	40.5	1
ETHER EXTRACT	%	0.4	1.0	1
NITROGEN FREE EXTRACT	%	18.7	42.2	1
PROTEIN	%	2.6	5.9	1
CATTLE DIG PROT	% *	1.3	2.9	
GOATS DIG PROT	% *	0.9	2.1	
HORSES DIG PROT	% *	1.1	2.5	
RABBITS DIG PROT	% *	1.4	3.2	
SHEEP DIG PROT	% *	1.1	2.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.06	2.40	
SHEEP DE	MCAL/KG *	1.02	2.30	
CATTLE ME	MCAL/KG *	0.87	1.97	
SHEEP ME	MCAL/KG *	0.83	1.88	
CATTLE NE-M	MCAL/KG *	0.51	1.16	
CATTLE NE-GAIN	MCAL/KG *	0.20	0.45	
CATTLE NE-LACTATION	MCAL/KG *	0.51	1.16	
CATTLE TDN	% *	24.1	54.4	
SHEEP TDN	% *	23.1	52.1	
CALCIUM	%	0.11	0.24	1
PHOSPHORUS	%	0.05	0.11	1
ARUNDINARIA SPP, CANE				
ARUNDINARIA SPP, MOLASSES, (4)				
REF NO 4-11-204				
DRY MATTER	%	62.5	100.0	1
CRUDE FIBER	%	0.1	0.2	1
PROTEIN	%	2.1	3.4	1
CATTLE DIG PROT	% *	-0.6	-0.9	
GOATS DIG PROT	% *	0.2	0.3	
HORSES DIG PROT	% *	0.2	0.3	
SHEEP DIG PROT	% *	0.2	0.3	
CALCIUM	%	0.72	1.15	1
PHOSPHORUS	%	0.08	0.13	1
ARUNDINELLA HISPIDA				
ARUNDINELLA HISPIDA HISPIDA, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-13-642				
DRY MATTER	%	11.7	100.0	1
ORGANIC MATTER	%	10.5	89.9	1
ASH	%	1.2	10.1	1
CRUDE FIBER	%	4.7	39.9	1
ETHER EXTRACT	%	0.1	0.9	1
NITROGEN FREE EXTRACT	%	5.0	42.4	1
PROTEIN	%	0.8	6.7	1
CATTLE DIG PROT	% *	0.4	3.6	
GOATS DIG PROT	% *	0.3	2.8	
HORSES DIG PROT	% *	0.4	3.2	
RABBITS DIG PROT	% *	0.4	3.8	
SHEEP DIG PROT	% *	0.4	3.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.29	2.48	
SHEEP DE	MCAL/KG *	0.27	2.32	
CATTLE ME	MCAL/KG *	0.24	2.03	
SHEEP ME	MCAL/KG *	0.22	1.90	
CATTLE NE-M	MCAL/KG *	0.14	1.20	
CATTLE NE-GAIN	MCAL/KG *	0.06	0.52	
CATTLE NE-LACTATION	MCAL/KG *	0.14	1.22	
CATTLE TDN	% *	6.6	56.2	
SHEEP TDN	% *	6.1	52.5	
CALCIUM	%	0.02	0.18	1
PHOSPHORUS	%	0.01	0.06	1
ASPARAGUS OFFICINALIS, ASPARAGUS				
ASPARAGUS OFFICINALIS, STEM BUTTS, FRESH, (2)				
REF NO 2-00-436				
DRY MATTER	%	35.6	100.0	1
ORGANIC MATTER	%	33.3	93.5	
ASH	%	2.3	6.5	1
CRUDE FIBER	%	13.3	37.4	1
ETHER EXTRACT	%	2.1	5.9	1
NITROGEN FREE EXTRACT	%	14.3	40.2	1
PROTEIN	%	3.6	10.1	1
CATTLE DIG PROT	% *	2.3	6.5	
GOATS DIG PROT	% *	2.1	6.0	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
HORSES	DIG PROT % *	2.2	6.1	
RABBITS	DIG PROT % *	2.3	6.5	
SHEEP	DIG PROT % *	2.3	6.4	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.93	2.60	
SHEEP	ME MCAL/KG *	0.76	2.13	
SHEEP	TDN % *	21.0	59.0	

ASTRAGALUS SPP. LOCO

ASTRAGALUS SPP. SLEOS. (4)

REF NO 4-11-201

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	74.1	100.0	1
ORGANIC MATTER	%	70.8	95.5	
ASH	%	3.3	4.5	1
CRUDE FIBER	%	19.2	25.9	1
ETHER EXTRACT	%	3.2	4.3	1
NITROGEN FREE EXTRACT	%	31.5	42.5	
PROTEIN	%	16.9	22.8	1
CATTLE	DIG PROT % *	12.6	17.0	
GOATS	DIG PROT % *	13.4	18.1	
HORSES	DIG PROT % *	13.4	18.1	
SHEEP	DIG PROT % *	13.4	18.1	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	1.97	2.65	
SHEEP	ME MCAL/KG *	1.61	2.18	
SHEEP	TDN % *	44.6	60.2	

ASTRAGALUS SPP. MILKVETCH

ASTRAGALUS SPP. AERIAL PART. FRESH. (2)

REF NO 2-13-536

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	43.8	100.0	1
ORGANIC MATTER	%	38.4	87.8	
ASH	%	5.4	12.2	2
CRUDE FIBER	%	9.0	20.5	2
ETHER EXTRACT	%	1.3	3.0	2
NITROGEN FREE EXTRACT	%	18.1	41.3	2
PROTEIN	%	10.1	23.0	2
CATTLE	DIG PROT % *	7.6	17.4	
GOATS	DIG PROT % *	7.9	18.0	
HORSES	DIG PROT % *	7.5	17.0	
RABBITS	DIG PROT % *	7.2	16.4	
SHEEP	DIG PROT % *	8.1	18.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.23	2.81	
SHEEP	DE MCAL/KG *	1.27	2.89	
CATTLE	ME MCAL/KG *	1.01	2.30	
SHEEP	ME MCAL/KG *	1.04	2.37	
CATTLE	NE-M MCAL/KG *	0.60	1.37	
CATTLE	NE-GAIN MCAL/KG *	0.34	0.78	
CATTLE	NE-LACTATION MCAL/KG *	0.65	1.48	
CATTLE	TDN % *	27.9	63.6	
SHEEP	TDN % *	28.7	65.5	
CALCIUM	%	0.75	1.72	2
MAGNESIUM	%	0.10	0.24	2

ATRIPLEX PENTANDRA. SALTBUSH. PENTANDRA

ATRIPLEX PENTANDRA PENTANDRA. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-13-670

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	16.7	100.0	1
ORGANIC MATTER	%	14.0	84.1	1
ASH	%	2.7	15.9	1
CRUDE FIBER	%	5.3	31.6	1
ETHER EXTRACT	%	0.2	1.0	1
NITROGEN FREE EXTRACT	%	6.0	35.7	1
PROTEIN	%	2.6	15.8	1
CATTLE	DIG PROT % *	1.9	11.3	
GOATS	DIG PROT % *	1.9	11.3	
HORSES	DIG PROT % *	1.8	10.9	
RABBITS	DIG PROT % *	1.8	10.9	
SHEEP	DIG PROT % *	2.0	11.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.47	2.82	
SHEEP	DE MCAL/KG *	0.40	2.42	
CATTLE	ME MCAL/KG *	0.39	2.32	
SHEEP	ME MCAL/KG *	0.33	1.99	
CATTLE	NE-M MCAL/KG *	0.23	1.38	
CATTLE	NE-GAIN MCAL/KG *	0.13	0.79	
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.49	
CATTLE	TDN % *	10.7	64.1	
SHEEP	TDN % *	9.2	55.0	
CALCIUM	%	0.38	2.26	1
PHOSPHORUS	%	0.04	0.25	1

ATRIPLEX SEMIBACCATA. SALTBUSH. AUSTRALIAN

ATRIPLEX SEMIBACCATA AUSTRALIAN. AERIAL PART. FRESH. (2)

REF NO 2-11-205

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
DM IN VITRO (TILLY)	DIG COEF %		17.	1
PROTEIN	%		6.0	2
CATTLE	DIG PROT % *		3.0	
GOATS	DIG PROT % *		2.2	
HORSES	DIG PROT % *		2.6	
RABBITS	DIG PROT % *		3.3	
SHEEP	DIG PROT % *		2.6	
PHOSPHORUS	%		0.08	1

ATRIPLEX SEMIBACCATA AUSTRALIAN. AERIAL PART. FRESH. EARLY VEGETATIVE. CUT 1. (2)

REF NO 2-13-643

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
DM IN VITRO (TILLY)	DIG COEF %		17.	1
ORGANIC MATTER	%		92.8	
ASH	%		7.2	1
CRUDE FIBER	%		25.6	1
ETHER EXTRACT	%		2.1	1
NITROGEN FREE EXTRACT	%		58.6	1
PROTEIN	%		6.5	3
CATTLE	DIG PROT % *		3.4	
GOATS	DIG PROT % *		2.7	
HORSES	DIG PROT % *		3.1	
RABBITS	DIG PROT % *		3.7	
SHEEP	DIG PROT % *		3.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.91	
SHEEP	DE MCAL/KG *		2.80	
CATTLE	ME MCAL/KG *		2.38	
SHEEP	ME MCAL/KG *		2.29	
CATTLE	NE-M MCAL/KG *		1.43	
CATTLE	NE-GAIN MCAL/KG *		0.85	
CATTLE	NE-LACTATION MCAL/KG *		1.55	
CATTLE	TDN % *		65.9	
SHEEP	TDN % *		63.4	
PHOSPHORUS	%		0.08	1

AVENA ELATIOR. OATS. ELATIOR

AVENA ELATIOR ELATIOR. HAY. S-C. (1)

REF NO 1-11-030

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		96.3	
ASH	%		3.7	2
CRUDE FIBER	%		27.5	2
ETHER EXTRACT	%		2.9	2
NITROGEN FREE EXTRACT	%		59.9	2
PROTEIN	%		6.0	2
CATTLE	DIG PROT % *		2.1	
GOATS	DIG PROT % *		2.1	
HORSES	DIG PROT % *		2.6	
RABBITS	DIG PROT % *		3.3	
SHEEP	DIG PROT % *		1.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.67	
HORSES	DE MCAL/KG *		1.88	
SHEEP	DE MCAL/KG *		2.53	
CATTLE	ME MCAL/KG *		2.19	
HORSES	ME MCAL/KG *		1.54	
SHEEP	ME MCAL/KG *		2.08	
CATTLE	NE-M MCAL/KG *		1.30	
CATTLE	NE-GAIN MCAL/KG *		0.67	
CATTLE	NE-LACTATION MCAL/KG *		1.37	
CATTLE	TDN % *		60.4	
HORSES	TDN % *		46.9	
SHEEP	TDN % *		57.4	

AVENA ELATIOR ELATIOR. LEAVES. FRESH. (2)

REF NO 2-15-437

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.0	
ASH	%		13.0	1
CRUDE FIBER	%		30.6	1
ETHER EXTRACT	%		3.6	1
NITROGEN FREE EXTRACT	%		44.7	1
PROTEIN	%		8.1	1
CATTLE	DIG PROT % *		4.8	
GOATS	DIG PROT % *		4.1	
HORSES	DIG PROT % *		4.4	
RABBITS	DIG PROT % *		4.9	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *		4.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.44		
SHEEP	DE MCAL/KG *		2.52		
CATTLE	ME MCAL/KG *		2.00		
SHEEP	ME MCAL/KG *		2.07		
CATTLE	NE-M MCAL/KG *		1.18		
CATTLE	NE-GAIN MCAL/KG *		0.49		
CATTLE	NE-LACTATION MCAL/KG *		1.19		
CATTLE	TDN % *		55.3		
SHEEP	TDN % *		57.2		

AVENA ELATIOR ELATIOR, AERIAL PART, ENSILED, (3)

REF NO 3-11-031

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.7	100.0		2
ORGANIC MATTER	%	24.1	94.0		
ASH	%	1.6	6.0		2
CRUDE FIBER	%	8.2	31.8		2
ETHER EXTRACT	%	0.8	3.3		2
NITROGEN FREE EXTRACT	%	12.9	50.4		2
PROTEIN	%	2.2	8.5		2
CATTLE	DIG PROT % *	1.0	4.0		
GOATS	DIG PROT % *	1.0	4.0		
HORSES	DIG PROT % *	1.0	4.0		
SHEEP	DIG PROT % *	1.0	4.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.67	2.60		
SHEEP	DE MCAL/KG *	0.71	2.78		
CATTLE	ME MCAL/KG *	0.55	2.13		
SHEEP	ME MCAL/KG *	0.59	2.28		
CATTLE	NE-M MCAL/KG *	0.32	1.26		
CATTLE	NE-GAIN MCAL/KG *	0.16	0.62		
CATTLE	NE-LACTATION MCAL/KG *	0.34	1.32		
CATTLE	TDN % *	15.2	59.0		
SHEEP	TDN % *	16.2	63.1		

AVENA FATUA, OATS, WILD

AVENA FATUA WILD, AERIAL PART, FRESH, (2)

REF NO 2-03-393

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.9	100.0		1
ORGANIC MATTER	%	27.6	92.3		
ASH	%	2.3	7.7		1
CRUDE FIBER	%	7.8	26.1		1
ETHER EXTRACT	%	0.8	2.7		1
NITROGEN FREE EXTRACT	%	16.6	55.5		1
PROTEIN	%	2.4	8.0		1
CATTLE	DIG PROT % *	1.4	4.7		
GOATS	DIG PROT % *	1.2	4.0		
HORSES	DIG PROT % *	1.3	4.3		
RABBITS	DIG PROT % *	1.5	4.9		
SHEEP	DIG PROT % *	1.3	4.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.89	2.99		
SHEEP	DE MCAL/KG *	0.83	2.77		
CATTLE	ME MCAL/KG *	0.73	2.45		
SHEEP	ME MCAL/KG *	0.68	2.27		
CATTLE	NE-M MCAL/KG *	0.44	1.48		
CATTLE	NE-GAIN MCAL/KG *	0.27	0.91		
CATTLE	NE-LACTATION MCAL/KG *	0.48	1.62		
CATTLE	TDN % *	20.3	67.7		
SHEEP	TDN % *	18.8	62.9		
CALCIUM	%	0.07	0.23		1
MAGNESIUM	%	0.07	0.23		1
PHOSPHORUS	%	0.08	0.27		1

AVENA SATIVA, OATS

AVENA SATIVA, BRAN, (1)

REF NO 1-11-241

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.8	100.0		1
ORGANIC MATTER	%	87.8	94.6		1
ASH	%	5.0	5.4		1
CRUDE FIBER	%	25.3	27.3		1
ETHER EXTRACT	%	3.7	4.0		1
NITROGEN FREE EXTRACT	%	52.4	56.5		1
PROTEIN	%	6.4	6.9		1
CATTLE	DIG PROT % *	2.7	2.9		
GOATS	DIG PROT % *	2.8	3.0		
HORSES	DIG PROT % *	3.1	3.4		
RABBITS	DIG PROT % *	3.7	4.0		
SHEEP	DIG PROT % *	2.6	2.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.56	2.76		
HORSES	DE MCAL/KG *	2.01	2.16		
SHEEP	DE MCAL/KG *	2.37	2.56		
CATTLE	ME MCAL/KG *	2.10	2.26		
HORSES	ME MCAL/KG *	1.65	1.77		
SHEEP	ME MCAL/KG *	1.95	2.10		
CATTLE	NE-M MCAL/KG *	1.25	1.35		
CATTLE	NE-GAIN MCAL/KG *	0.69	0.74		
CATTLE	NE-LACTATION MCAL/KG *	1.33	1.44		
CATTLE	TDN % *	58.0	62.5		
HORSES	TDN % *	50.6	54.5		
SHEEP	TDN % *	53.9	58.0		
CALCIUM	%	0.13	0.14		1
PHOSPHORUS	%	0.28	0.30		1

AVENA SATIVA, HAY, S-C, (1)

REF NO 1-03-280

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.9	100.0		2
ORGANIC MATTER	%	82.4	91.7	30	1
ASH	%	6.7	7.5	30	5
CRUDE FIBER	%	27.5	30.6		3
ETHER EXTRACT	%	1.7	1.9		3
NITROGEN FREE EXTRACT	%	49.3	54.8		3
PROTEIN	%	4.7	5.3	60	5
CATTLE	DIG PROT % *	1.3	1.5		
GOATS	DIG PROT % *	1.3	1.5		
HORSES	DIG PROT % *	1.8	2.0		
RABBITS	DIG PROT % *	2.5	2.7		
SHEEP	DIG PROT % *	1.2	1.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.10	2.34		
HORSES	DE MCAL/KG *	1.47	1.63		
SHEEP	DE MCAL/KG *	2.07	2.30		
CATTLE	ME MCAL/KG *	1.73	1.92		
HORSES	ME MCAL/KG *	1.20	1.34		
SHEEP	ME MCAL/KG *	1.69	1.88		
CATTLE	NE-M MCAL/KG *	1.02	1.13		
CATTLE	NE-GAIN MCAL/KG *	0.36	0.40		
CATTLE	NE-LACTATION MCAL/KG *	1.00	1.11		
CATTLE	TDN % *	47.7	53.1		
HORSES	TDN % *	35.9	40.0		
SHEEP	TDN % *	46.9	52.1		
CALCIUM	%	0.27	0.30	26	4
COBALT	MG/KG	0.054	0.060		1
COPPER	MG/KG	1.6	1.8		3
IRON	%	0.009	0.010		1
MAGNESIUM	%	0.14	0.16		1
MANGANESE	MG/KG	44.9	50.0		3
MOLYBDENUM	MG/KG	1.86	2.07		3
PHOSPHORUS	%	0.29	0.32	37	4
POTASSIUM	%	2.43	2.70		1
SODIUM	%	0.15	0.17		1
ZINC	MG/KG	15.3	17.0		3

AVENA SATIVA, HAY, S-C, 57 TO 70 DAYS' GROWTH, (1)

REF NO 1-10-576

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		85.1		
ASH	%		14.9		2
CRUDE FIBER	%		25.0		2
ETHER EXTRACT	%		5.0		2
NITROGEN FREE EXTRACT	%		37.7		2
PROTEIN	%		17.4		2
CATTLE	DIG PROT % *		12.0		
GOATS	DIG PROT % *		12.8		
HORSES	DIG PROT % *		12.3		
RABBITS	DIG PROT % *		12.1		
SHEEP	DIG PROT % *		12.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.37		
SHEEP	DE MCAL/KG *		2.43		
CATTLE	ME MCAL/KG *		1.94		
SHEEP	ME MCAL/KG *		1.99		
CATTLE	NE-M MCAL/KG *		1.15		
CATTLE	NE-GAIN MCAL/KG *		0.43		
CATTLE	NE-LACTATION MCAL/KG *		1.14		
CATTLE	TDN % *		53.8		
SHEEP	TDN % *		55.0		

AVENA SATIVA, HAY, S-C, 71 TO 84 DAYS' GROWTH, (1)

REF NO 1-10-578

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.1		
ASH	%		12.9		1
CRUDE FIBER	%		32.3		1
ETHER EXTRACT	%		3.2		1
NITROGEN FREE EXTRACT	%		40.1		1
PROTEIN	%		11.4		1
CATTLE	DIG PROT % *		6.0		
GOATS	DIG PROT % *		7.2		
HORSES	DIG PROT % *		7.2		
RABBITS	DIG PROT % *		7.5		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *		6.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.23		
HORSES	DE MCAL/KG *		1.97		
SHEEP	DE MCAL/KG *		2.22		
CATTLE	ME MCAL/KG *		1.83		
HORSES	ME MCAL/KG *		1.61		
SHEEP	ME MCAL/KG *		1.82		
CATTLE	NE-M MCAL/KG *		1.08		
CATTLE	NE-GAIN MCAL/KG *		0.30		
CATTLE	NE-LACTATION MCAL/KG *		1.03		
CATTLE	TDN % *		50.6		
HORSES	TDN % *		49.1		
SHEEP	TDN % *		50.4		

AVENA SATIVA, HAY, S-C, EARLY VEGETATIVE, (1)

REF NO 1-03-272

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CELL WALLS (VAN SOEST)	%		60.8		1
ENERGY	GE KCAL/KG		4444.		1

AVENA SATIVA, HAY, S-C GRND, MATURE, CUT 1, (1)

REF NO 1-10-354

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.0	100.0		1
ORGANIC MATTER	%	85.0	94.4		1
ASH	%	5.0	5.6		1
SHEEP	DIG COEF %	50.	50.		
CRUDE FIBER	%	28.0	31.1		1
SHEEP	DIG COEF %	46.	46.		1
ETHER EXTRACT	%	1.8	2.0		1
SHEEP	DIG COEF %	60.	60.		1
NITROGEN FREE EXTRACT	%	49.6	55.1		1
SHEEP	DIG COEF %	53.	53.		1
PROTEIN	%	5.6	6.2		1
SHEEP	DIG COEF %	35.	35.		1
CATTLE	DIG PROT % *	2.1	2.3		
GOATS	DIG PROT % *	2.1	2.3		
HORSES	DIG PROT % *	2.5	2.8		
RABBITS	DIG PROT % *	3.1	3.5		
SHEEP	DIG PROT %	2.0	2.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.19	2.43		
HORSES	DE MCAL/KG *	1.51	1.67		
SHEEP	DE MCAL/KG *	1.92	2.13		
CATTLE	ME MCAL/KG *	1.80	2.00		
HORSES	ME MCAL/KG *	1.24	1.37		
SHEEP	ME MCAL/KG *	1.57	1.75		
CATTLE	NE-M MCAL/KG *	1.06	1.18		
CATTLE	NE-GAIN MCAL/KG *	0.44	0.48		
CATTLE	NE-LACTATION MCAL/KG *	1.07	1.19		
CATTLE	TDN % *	49.7	55.2		
HORSES	TDN % *	37.0	41.1		
SHEEP	TDN %	43.5	48.4		1

AVENA SATIVA, HULLS, (1)
OAT HULLS (CFA)
OAT HULLS (AAFCO)

REF NO 1-03-281

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.3	100.0	1	21
ORGANIC MATTER	%	(86.7)	(94.0)		
ASH	%	(5.6)	(6.0)	21	13
SHEEP	DIG COEF %	(64.)	(64.)		
CRUDE FIBER	%	(27.4)	(29.6)	29	14
CATTLE	DIG COEF %	(37.)	(37.)		2
HORSES	DIG COEF %	(25.)	(25.)		2
SHEEP	DIG COEF %	(40.)	(40.)		1
SWINE	DIG COEF %	(2.)	(2.)		1
ETHER EXTRACT	%	(1.7)	(1.8)	89	14
CATTLE	DIG COEF %	(64.)	(64.)		2
HORSES	DIG COEF %	(74.)	(74.)		2
SHEEP	DIG COEF %	(74.)	(74.)		1
SWINE	DIG COEF %	(73.)	(73.)		1
NITROGEN FREE EXTRACT	%	(52.8)	(57.2)	6	10
CATTLE	DIG COEF %	(35.)	(35.)		2
HORSES	DIG COEF %	(21.)	(21.)		2
SHEEP	DIG COEF %	(33.)	(33.)		1
SWINE	DIG COEF %	(37.)	(37.)		1
PROTEIN	%	(4.9)	(5.3)	98	14
CATTLE	DIG COEF %	(33.)	(33.)		2
HORSES	DIG COEF %	(91.)	(91.)		2
SHEEP	DIG COEF %	(28.)	(28.)		1
SWINE	DIG COEF %	(57.)	(57.)		1
CATTLE	DIG PROT %	(1.6)	(1.8)		
GOATS	DIG PROT % *	(1.4)	(1.5)		
HORSES	DIG PROT %	(4.5)	(4.8)		
RABBITS	DIG PROT % *	(2.6)	(2.8)		
SHEEP	DIG PROT %	(1.4)	(1.5)		
SWINE	DIG PROT %	(2.8)	(3.0)		
CELLULOSE (MATRONE)	%	(47.2)	(51.1)		1
PENTOSANS	%	(35.8)	(38.8)		1
LIGNIN (ELLIS)	%	(13.1)	(14.2)		1
FATTY ACIDS	%				
LINOLEIC	%	(0.695)	(0.753)		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	(1.43)	(1.55)		
HORSES	DE MCAL/KG *	(1.08)	(1.17)		
SHEEP	DE MCAL/KG *	(1.43)	(1.55)		
SWINE	DE KCAL/KG *	(1130.)	(1224.)		
CATTLE	ME MCAL/KG *	(1.17)	(1.27)		
CHICKENS	ME-N KCAL/KG	(272.)	(295.)		3
HORSES	ME MCAL/KG *	(0.88)	(0.96)		
SHEEP	ME MCAL/KG *	(1.18)	(1.27)		
SWINE	ME KCAL/KG	(753.)	(815.)		1
CATTLE	NE-M MCAL/KG *	(0.75)	(0.81)		
CATTLE	NE-GAIN MCAL/KG *	(-0.40)	(-0.43)		
CATTLE	NE-LACTATION MCAL/KG *	(0.46)	(0.50)		
CATTLE	TDN %	(32.5)	(35.2)		2
HORSES	TDN %	(25.1)	(27.2)		2
SHEEP	TDN %	(32.5)	(35.2)		1
SWINE	TDN %	(25.6)	(27.8)		2
CALCIUM	%	(0.13)	(0.14)	36	5
CHLORINE	%	(0.10)	(0.11)		1
COPPER	MG/KG	(1.4)	(1.5)		1
IRON	%	(0.010)	(0.011)		1
MANGANESE	MG/KG	(13.6)	(14.8)		2
PHOSPHORUS	%	(0.10)	(0.11)	58	5
CHICKENS, CHICKS AVAILABLE	%	(0.03)	(0.04)		2
POTASSIUM	%	(0.53)	(0.58)		2
SODIUM	%	(0.04)	(0.04)		1
CHOLINE	MG/KG	(284.)	(308.)		3
FOLIC ACID	MG/KG	(0.43)	(0.47)		1
NIACIN	MG/KG	(7.5)	(8.1)		1
PANTOTHENIC ACID	MG/KG	(3.3)	(3.6)		2
RIBOFLAVIN	MG/KG	(6.5)	(7.1)		3
THIAMINE	MG/KG	(0.3)	(0.3)		1
VITAMIN B6	MG/KG	(2.18)	(2.37)		1
ARGININE	%	(0.14)	(0.15)		1
CYSTINE	%	(0.06)	(0.06)		1
GLYCINE	%	(0.14)	(0.15)		1
HISTIDINE	%	(0.07)	(0.08)		1
ISOLEUCINE	%	(0.14)	(0.15)		1
LEUCINE	%	(0.25)	(0.27)		1
LYSINE	%	(0.14)	(0.15)		1
METHIONINE	%	(0.07)	(0.08)		1
PHENYLALANINE	%	(0.13)	(0.14)		1
THREONINE	%	(0.13)	(0.14)		1
TRYPTOPHAN	%	(0.07)	(0.08)		1
TYROSINE	%	(0.14)	(0.15)		1
VALINE	%	(0.20)	(0.22)		1

AVENA SATIVA, STRAW, (1)

REF NO 1-03-283

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.1)	(100.0)	2	69
ORGANIC MATTER	%	85.4	92.7		
ASH	%	6.7	7.3	13	10
SHEEP	DIG COEF %	51.	51.		
CRUDE FIBER	%	36.5	39.6	9	66
CATTLE	DIG COEF %	58.	58.		2
HORSES	DIG COEF %	58.	58.		2
SHEEP	DIG COEF %	57.	57.		2
ETHER EXTRACT	%	2.0	2.2	23	11
CATTLE	DIG COEF %	44.	44.		2
HORSES	DIG COEF %	29.	29.		2
SHEEP	DIG COEF %	36.	36.		2
NITROGEN FREE EXTRACT	%	42.5	46.2	3	9
CATTLE	DIG COEF %	56.	56.		2
HORSES	DIG COEF %	46.	46.		2
SHEEP	DIG COEF %	52.	52.		3
PROTEIN	%	4.4	4.8	41	65
CATTLE	DIG COEF %	33.	33.		2
HORSES	DIG COEF %	58.	58.		2
SHEEP	DIG COEF %	14.	14.		1
CATTLE	DIG PROT %	1.4	1.5		
GOATS	DIG PROT % *	0.9	1.0		
HORSES	DIG PROT %	2.5	2.7		
RABBITS	DIG PROT % *	2.2	2.3		
SHEEP	DIG PROT %	(0.6)	(0.7)		
CELLULOSE (MATRONE)	%	(36.9)	(40.1)		1
LIGNIN (ELLIS)	%	13.5	14.6		1
ENERGY	GE KCAL/KG	3035.	3294.		2
SHEEP	GE DIG COEF %	58.	58.		1
CATTLE	DE MCAL/KG *	2.13	2.31		
HORSES	DE MCAL/KG *	1.76	1.93		
SHEEP	DE MCAL/KG	1.76	1.91		
CATTLE	ME MCAL/KG *	1.75	1.90		
HORSES	ME MCAL/KG *	1.46	1.58		
SHEEP	ME MCAL/KG *	1.44	1.57		
CATTLE	NE-M MCAL/KG *	1.03	1.12		
CATTLE	NE-GAIN MCAL/KG *	0.35	0.38		
CATTLE	NE-LACTATION MCAL/KG *	1.01	1.09		
CATTLE	TDN %	48.4	52.5		2
HORSES	TDN %	44.3	48.1		2
SHEEP	TDN %	(45.1)	(49.0)		2
CALCIUM	%	(0.24)	(0.26)	43	58

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CHLORINE	%	(0.72)	(0.78)		2
COPPER	MG/KG	(10.2)	(11.0)		1
IRON	%	(0.018)	(0.020)		1
MAGNESIUM	%	(0.18)	(0.20)		1
MANGANESE	MG/KG	(30.5)	(33.1)		1
PHOSPHORUS	%	(0.41)	(0.44)	98	58
POTASSIUM	%	(2.05)	(2.23)		1
SODIUM	%	(0.42)	(0.45)		2
SULPHUR	%	0.20	0.22		2
VITAMIN A EQUIV	IU/G	13.6	14.8		

AVENA SATIVA, AERIAL PART, FRESH, (2)

REF NO 2-03-492

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.7	100.0	22	9
ORGANIC MATTER	%	30.0	86.6	38	1
ASH	%	2.7	7.7	38	13
CRUDE FIBER	%	9.8	28.2	29	14
SHEEP DIG COEF	%	65.	65.		1
ETHER EXTRACT	%	1.0	2.9	28	13
SHEEP DIG COEF	%	10.	10.		1
NITROGEN FREE EXTRACT	%	18.6	53.7	20	13
SHEEP DIG COEF	%	84.	84.		1
PROTEIN	%	2.6	7.5	26	14
SHEEP DIG COEF	%	30.	30.		1
CATTLE DIG PROT	% *	1.5	4.2		
GOATS DIG PROT	% *	1.2	3.5		
HORSES DIG PROT	% *	1.3	3.9		
RABBITS DIG PROT	% *	1.5	4.4		
SHEEP DIG PROT	%	0.8	2.2		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.99	2.86		
SHEEP DE	MCAL/KG *	1.02	2.95		
CATTLE ME	MCAL/KG *	0.81	2.35		
SHEEP ME	MCAL/KG *	0.84	2.42		
CATTLE NE-M	MCAL/KG *	0.49	1.41		
CATTLE NE-GAIN	MCAL/KG *	0.20	0.82		
CATTLE NE-LACTATION	MCAL/KG *	0.53	1.52		
CATTLE TDN	% *	22.5	64.9		
SHEEP TDN	%	23.2	66.9		
CALCIUM	%	0.18	0.51	30	8
COPPER	MG/KG	6.7	19.4		2
IRON	%	0.007	0.020		2
MAGNESIUM	%	0.05	0.15	15	5
MANGANESE	MG/KG	16.9	48.7		2
PHOSPHORUS	%	0.09	0.25	29	5

AVENA SATIVA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-11-238

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	14.8	100.0		1
ORGANIC MATTER	%	13.1	88.6		
ASH	%	1.7	11.4		2
CRUDE FIBER	%	3.2	21.6		2
ETHER EXTRACT	%	0.6	3.8		2
NITROGEN FREE EXTRACT	%	6.7	45.0		2
PROTEIN	%	2.7	18.2		2
CATTLE DIG PROT	% *	2.0	13.4		
GOATS DIG PROT	% *	2.0	13.5		
HORSES DIG PROT	% *	1.9	13.0		
RABBITS DIG PROT	% *	1.9	12.7		
SHEEP DIG PROT	% *	2.1	14.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.46	3.10		
SHEEP DE	MCAL/KG *	0.43	2.90		
CATTLE ME	MCAL/KG *	0.38	2.54		
SHEEP ME	MCAL/KG *	0.35	2.38		
CATTLE NE-M	MCAL/KG *	0.23	1.55		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.98		
CATTLE NE-LACTATION	MCAL/KG *	0.25	1.70		
CATTLE TDN	% *	10.4	70.3		
SHEEP TDN	% *	9.7	65.8		

AVENA SATIVA, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-598

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.8		
ASH	%		8.2		3
CRUDE FIBER	%		21.8		3
ETHER EXTRACT	%		6.9		3
NITROGEN FREE EXTRACT	%		52.0		3
PROTEIN	%		11.1		3
CATTLE DIG PROT	% *		7.4		
GOATS DIG PROT	% *		6.9		
HORSES DIG PROT	% *		7.0		
RABBITS DIG PROT	% *		7.3		
SHEEP DIG PROT	% *		7.4		

AVENA SATIVA, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-11-237

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.5	100.0		1
ORGANIC MATTER	%	16.7	90.2		
ASH	%	1.8	9.8	7	5
CRUDE FIBER	%	5.5	29.6	9	5
ETHER EXTRACT	%	1.0	5.2	25	5
NITROGEN FREE EXTRACT	%	8.6	46.3	9	5
PROTEIN	%	1.7	9.0	23	5
CATTLE DIG PROT	% *	1.0	5.5		
GOATS DIG PROT	% *	0.9	5.0		
HORSES DIG PROT	% *	1.0	5.2		
RABBITS DIG PROT	% *	1.0	5.6		
SHEEP DIG PROT	% *	1.0	5.4		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.62	3.36		
SHEEP DE	MCAL/KG *	0.48	2.58		
CATTLE ME	MCAL/KG *	0.51	2.75		
SHEEP ME	MCAL/KG *	0.39	2.12		
CATTLE NE-M	MCAL/KG *	0.32	1.73		
CATTLE NE-GAIN	MCAL/KG *	0.21	1.14		
CATTLE NE-LACTATION	MCAL/KG *	0.35	1.91		
CATTLE TDN	% *	14.1	76.1		
SHEEP TDN	% *	10.8	58.6		

AVENA SATIVA, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-11-243

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.5	100.0	13	4
ORGANIC MATTER	%	15.6	89.3	8	4
ASH	%	1.9	10.7	8	4
CRUDE FIBER	%	3.4	19.6	13	4
ETHER EXTRACT	%	1.8	10.3	17	4
NITROGEN FREE EXTRACT	%	7.4	42.5	11	4
PROTEIN	%	2.9	16.9	14	4
CATTLE DIG PROT	% *	2.1	12.3		
GOATS DIG PROT	% *	2.2	12.3		
HORSES DIG PROT	% *	2.1	11.9		
RABBITS DIG PROT	% *	2.0	11.7		
SHEEP DIG PROT	% *	2.2	12.7		
CALCIUM	%	0.11	0.64	7	4
PHOSPHORUS	%	0.04	0.24	23	4

AVENA SATIVA, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-604

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.7		
ASH	%		10.3		2
CRUDE FIBER	%		22.3		2
ETHER EXTRACT	%		2.5		2
NITROGEN FREE EXTRACT	%		52.5		2
PROTEIN	%		12.5		2
CATTLE DIG PROT	% *		8.5		
GOATS DIG PROT	% *		8.2		
HORSES DIG PROT	% *		8.1		
RABBITS DIG PROT	% *		8.3		
SHEEP DIG PROT	% *		8.6		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *		3.03		
SHEEP DE	MCAL/KG *		2.85		
CATTLE ME	MCAL/KG *		2.48		
SHEEP ME	MCAL/KG *		2.33		
CATTLE NE-M	MCAL/KG *		1.51		
CATTLE NE-GAIN	MCAL/KG *		0.94		
CATTLE NE-LACTATION	MCAL/KG *		1.65		
CATTLE TDN	% *		68.7		
SHEEP TDN	% *		64.6		

AVENA SATIVA, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-13-600

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.6		
ASH	%		7.4		2
CRUDE FIBER	%		18.1		2
ETHER EXTRACT	%		2.8		2
NITROGEN FREE EXTRACT	%		61.0		2
PROTEIN	%		10.9		2
CATTLE DIG PROT	% *		7.1		
GOATS DIG PROT	% *		6.7		
HORSES DIG PROT	% *		6.7		
RABBITS DIG PROT	% *		7.0		
SHEEP DIG PROT	% *		7.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *		3.77		
SHEEP DE	MCAL/KG *		3.11		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	ME MCAL/KG *		3.09		
SHEEP	ME MCAL/KG *		2.55		
CATTLE	NE-M MCAL/KG *		2.06		
CATTLE	NE-GAIN MCAL/KG *		1.37		
CATTLE	NE-LACTATION MCAL/KG *		2.23		
CATTLE	TDN % *		85.6		
SHEEP	TDN % *		70.5		

AVENA SATIVA, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)

REF NO 2-13-347

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.1		
ASH	%		10.9	7	8
CRUDE FIBER	%		28.9	8	8
ETHER EXTRACT	%		2.5	32	8
NITROGEN FREE EXTRACT	%		46.8	4	8
PROTEIN	%		10.9	42	8
CATTLE	DIG PROT % *		7.2		
GOATS	DIG PROT % *		6.8		
HORSES	DIG PROT % *		6.8		
RABBITS	DIG PROT % *		7.1		
SHEEP	DIG PROT % *		7.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.59		
SHEEP	DE MCAL/KG *		2.63		
CATTLE	ME MCAL/KG *		2.12		
SHEEP	ME MCAL/KG *		2.16		
CATTLE	NE-M MCAL/KG *		1.25		
CATTLE	NE-GAIN MCAL/KG *		0.61		
CATTLE	NE-LACTATION MCAL/KG *		1.31		
CATTLE	TDN % *		58.7		
SHEEP	TDN % *		59.7		

AVENA SATIVA, AERIAL PART, FRESH, MILK STAGE, CUT 2, (2)

REF NO 2-11-788

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
DM IN VITRO (TILLY)	DIG COEF %		66.		1
PROTEIN	%		4.5		1
CATTLE	DIG PROT % *		1.7		
GOATS	DIG PROT % *		0.8		
HORSES	DIG PROT % *		1.4		
RABBITS	DIG PROT % *		2.1		
SHEEP	DIG PROT % *		1.2		
CELL WALLS (VAN SOEST)	%		54.8		1
CELLULOSE (VAN SOEST)	%		26.6		1
FIBER, ACID DETERGENT (VS)	%		35.0		1
HEMICELLULOSE	%		19.7		1
LIGNIN KMNO4 (VS)	%		4.9		1
SILICON	%		3.60		1

AVENA SATIVA, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-03-289

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	13.4	100.0	25	4
ORGANIC MATTER	%	12.2	90.9		
ASH	%	1.2	9.1	17	28
CRUDE FIBER	%	4.0	29.5	9	28
ETHER EXTRACT	%	0.3	2.5	33	28
NITROGEN FREE EXTRACT	%	6.6	48.9	12	28
PROTEIN	%	1.3	10.0	34	28
CATTLE	DIG PROT % *	0.9	6.4		
GOATS	DIG PROT % *	0.8	5.9		
HORSES	DIG PROT % *	0.8	6.0		
RABBITS	DIG PROT % *	0.9	6.4		
SHEEP	DIG PROT % *	0.8	6.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.35	2.63		
SHEEP	DE MCAL/KG *	0.36	2.66		
CATTLE	ME MCAL/KG *	0.29	2.16		
SHEEP	ME MCAL/KG *	0.29	2.18		
CATTLE	NE-M MCAL/KG *	0.17	1.28		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.65		
CATTLE	NE-LACTATION MCAL/KG *	0.18	1.34		
CATTLE	TDN % *	8.0	59.6		
SHEEP	TDN % *	8.1	60.2		
CALCIUM	%	0.04	0.31	19	4
PHOSPHORUS	%	0.03	0.22	14	4

AVENA SATIVA, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)

REF NO 2-13-316

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.7		
ASH	%		9.3	10	10
CRUDE FIBER	%		26.4	13	10
ETHER EXTRACT	%		2.1	17	10
NITROGEN FREE EXTRACT	%		52.2	5	10
PROTEIN	%		10.0	5	10
CATTLE	DIG PROT % *		6.4		
GOATS	DIG PROT % *		5.9		
HORSES	DIG PROT % *		6.0		
RABBITS	DIG PROT % *		6.4		
SHEEP	DIG PROT % *		6.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.77		
SHEEP	DE MCAL/KG *		2.73		
CATTLE	ME MCAL/KG *		2.27		
SHEEP	ME MCAL/KG *		2.24		
CATTLE	NE-M MCAL/KG *		1.35		
CATTLE	NE-GAIN MCAL/KG *		0.75		
CATTLE	NE-LACTATION MCAL/KG *		1.45		
CATTLE	TDN % *		62.8		
SHEEP	TDN % *		61.9		

AVENA SATIVA, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-03-290

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.0		
ASH	%		8.0	27	5
CRUDE FIBER	%		33.6		1
ETHER EXTRACT	%		2.2		1
NITROGEN FREE EXTRACT	%		50.5		1
PROTEIN	%		5.7	83	5
CATTLE	DIG PROT % *		2.7		
GOATS	DIG PROT % *		1.9		
HORSES	DIG PROT % *		2.4		
RABBITS	DIG PROT % *		3.1		
SHEEP	DIG PROT % *		2.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.31		
SHEEP	DE MCAL/KG *		2.53		
CATTLE	ME MCAL/KG *		1.89		
SHEEP	ME MCAL/KG *		2.07		
CATTLE	NE-M MCAL/KG *		1.12		
CATTLE	NE-GAIN MCAL/KG *		0.37		
CATTLE	NE-LACTATION MCAL/KG *		1.09		
CATTLE	TDN % *		52.3		
SHEEP	TDN % *		57.3		
CALCIUM	%		0.27	17	4
COPPER	MG/KG		2.3	44	4
MANGANESE	MG/KG		67.0	64	4
MOLYBDENUM	MG/KG		0.60	10	4
PHOSPHORUS	%		0.14	23	4
ZINC	MG/KG		14.7	49	4
ALANINE	%		0.87		1
ARGININE	%		1.07		1
GLUTAMIC ACID	%		1.92		1
GLYCINE	%		0.72		1
HISTIDINE	%		0.55		1
ISOLEUCINE	%		0.62		1
LEUCINE	%		1.11		1
LYSINE	%		0.97		1
PHENYLALANINE	%		0.96		1
SERINE	%		0.81		1
THREONINE	%		0.91		1
TRYPTOPHAN	%		0.15		1
TYROSINE	%		0.67		1
VALINE	%		1.13		1

AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-11-242

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	10.8	100.0	24	4
ORGANIC MATTER	%	9.3	86.1	11	4
ASH	%	1.5	13.9	11	4
CRUDE FIBER	%	2.2	20.2	23	4
ETHER EXTRACT	%	0.8	7.7	10	4
NITROGEN FREE EXTRACT	%	4.1	38.2	6	4
PROTEIN	%	2.2	20.0	28	4
CATTLE	DIG PROT % *	1.6	14.9		
GOATS	DIG PROT % *	1.6	15.2		
HORSES	DIG PROT % *	1.5	14.5		
RABBITS	DIG PROT % *	1.5	14.1		
SHEEP	DIG PROT % *	1.7	15.7		
CALCIUM	%	0.09	0.81	3	4
PHOSPHORUS	%	0.10	0.97	23	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, (2)						
REF NO 2-13-737						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		79.		1
ORGANIC MATTER		%		88.7		
ASH		%		11.3	10	16
CRUDE FIBER		%		28.7	5	16
ETHER EXTRACT		%		3.1	6	16
NITROGEN FREE EXTRACT		%		42.2	6	16
PROTEIN		%		14.7	12	17
CATTLE	DIG PROT	%	*	10.4		
GOATS	DIG PROT	%	*	10.2		
HORSES	DIG PROT	%	*	10.0		
RABBITS	DIG PROT	%	*	10.0		
SHEEP	DIG PROT	%	*	10.7		
CELL WALLS (VAN SOEST)		%		55.2		1
CELLULOSE (VAN SOEST)		%		27.4		1
FIBER, ACID DETERGENT (VS)		%		35.2		1
HEMICELLULOSE		%		20.1		1
LIGNIN KMNO4 (VS)		%		3.8		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.62		
SHEEP	DE	MCAL/KG	*	2.69		
CATTLE	ME	MCAL/KG	*	2.15		
SHEEP	ME	MCAL/KG	*	2.20		
CATTLE	NE-M	MCAL/KG	*	1.27		
CATTLE	NE-GAIN	MCAL/KG	*	0.64		
CATTLE	NE-LACTATION	MCAL/KG	*	1.33		
CATTLE	TDN	%	*	59.5		
SHEEP	TDN	%	*	61.0		
SILICON		%		3.60		1
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, FULL BLOOM, (2)						
REF NO 2-13-739						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		68.		1
PROTEIN		%		8.2		1
CATTLE	DIG PROT	%	*	4.9		
GOATS	DIG PROT	%	*	4.2		
HORSES	DIG PROT	%	*	4.5		
RABBITS	DIG PROT	%	*	5.0		
SHEEP	DIG PROT	%	*	4.6		
CELL WALLS (VAN SOEST)		%		59.8		1
CELLULOSE (VAN SOEST)		%		29.3		1
FIBER, ACID DETERGENT (VS)		%		38.2		1
HEMICELLULOSE		%		21.6		1
LIGNIN KMNO4 (VS)		%		5.2		1
SILICON		%		3.60		1
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, LATE BLOOM, (2)						
REF NO 2-17-530						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.1		
ASH		%		9.9	9	16
CRUDE FIBER		%		33.4	4	16
ETHER EXTRACT		%		2.5	12	15
NITROGEN FREE EXTRACT		%		43.6	4	16
PROTEIN		%		10.7	12	16
CATTLE	DIG PROT	%	*	7.0		
GOATS	DIG PROT	%	*	6.5		
HORSES	DIG PROT	%	*	6.6		
RABBITS	DIG PROT	%	*	6.9		
SHEEP	DIG PROT	%	*	7.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.41		
SHEEP	DE	MCAL/KG	*	2.57		
CATTLE	ME	MCAL/KG	*	1.98		
SHEEP	ME	MCAL/KG	*	.11		
CATTLE	NE-M	MCAL/KG	*	1.17		
CATTLE	NE-GAIN	MCAL/KG	*	0.47		
CATTLE	NE-LACTATION	MCAL/KG	*	1.17		
CATTLE	TDN	%	*	54.8		
SHEEP	TDN	%	*	58.3		
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, MILK STAGE, (2)						
REF NO 2-13-736						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		59.		1
ORGANIC MATTER		%		91.4		
ASH		%		8.6	11	16
CRUDE FIBER		%		33.2	9	16
ETHER EXTRACT		%		3.7	14	16
NITROGEN FREE EXTRACT		%		45.5	5	16
PROTEIN		%		9.1	17	17
CATTLE	DIG PROT	%	*	5.6		
GOATS	DIG PROT	%	*	5.0		
HORSES	DIG PROT	%	*	5.2		
RABBITS	DIG PROT	%	*	5.7		
SHEEP	DIG PROT	%	*	5.4		
CELL WALLS (VAN SOEST)		%		59.4		1
CELLULOSE (VAN SOEST)		%		28.3		1
FIBER, ACID DETERGENT (VS)		%		39.2		1
HEMICELLULOSE		%		20.3		1
LIGNIN KMNO4 (VS)		%		6.2		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.57		
SHEEP	DE	MCAL/KG	*	2.59		
CATTLE	ME	MCAL/KG	*	2.10		
SHEEP	ME	MCAL/KG	*	2.13		
CATTLE	NE-M	MCAL/KG	*	1.24		
CATTLE	NE-GAIN	MCAL/KG	*	0.59		
CATTLE	NE-LACTATION	MCAL/KG	*	1.29		
CATTLE	TDN	%	*	58.2		
SHEEP	TDN	%	*	58.8		
SILICON		%		3.20		1
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, DOUGH STAGE, (2)						
REF NO 2-13-740						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		62.		1
ORGANIC MATTER		%		91.6		
ASH		%		8.4	8	16
CRUDE FIBER		%		32.3	6	16
ETHER EXTRACT		%		4.3	17	16
NITROGEN FREE EXTRACT		%		47.4	3	16
PROTEIN		%		7.6	17	17
CATTLE	DIG PROT	%	*	4.4		
GOATS	DIG PROT	%	*	3.7		
HORSES	DIG PROT	%	*	4.0		
RABBITS	DIG PROT	%	*	4.6		
SHEEP	DIG PROT	%	*	4.1		
CELL WALLS (VAN SOEST)		%		58.0		1
CELLULOSE (VAN SOEST)		%		27.0		1
FIBER, ACID DETERGENT (VS)		%		36.9		1
HEMICELLULOSE		%		21.1		1
LIGNIN KMNO4 (VS)		%		5.7		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.84		
SHEEP	DE	MCAL/KG	*	2.56		
CATTLE	ME	MCAL/KG	*	2.33		
SHEEP	ME	MCAL/KG	*	2.10		
CATTLE	NE-M	MCAL/KG	*	1.39		
CATTLE	NE-GAIN	MCAL/KG	*	0.80		
CATTLE	NE-LACTATION	MCAL/KG	*	1.50		
CATTLE	TDN	%	*	64.3		
SHEEP	TDN	%	*	58.2		
SILICON		%		3.50		1
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, MATURE, (2)						
REF NO 2-13-741						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		57.		2
PROTEIN		%		3.6		2
CATTLE	DIG PROT	%	*	1.0		
GOATS	DIG PROT	%	*	-0.1		
HORSES	DIG PROT	%	*	0.6		
RABBITS	DIG PROT	%	*	1.4		
SHEEP	DIG PROT	%	*	0.3		
CELL WALLS (VAN SOEST)		%		64.3		2
CELLULOSE (VAN SOEST)		%		29.6		2
FIBER, ACID DETERGENT (VS)		%		40.4		2
HEMICELLULOSE		%		24.0		2
LIGNIN KMNO4 (VS)		%		7.2		2
SILICON		%		3.40		2
AVENA SATIVA, AERIAL PART, FRESH FERTILIZED, REGROWTH EARLY VEGETATIVE, (2)						
REF NO 2-13-742						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		87.		1
PROTEIN		%		16.0		1
CATTLE	DIG PROT	%	*	11.5		
GOATS	DIG PROT	%	*	11.5		
HORSES	DIG PROT	%	*	11.1		
RABBITS	DIG PROT	%	*	11.0		
SHEEP	DIG PROT	%	*	11.9		
CELL WALLS (VAN SOEST)		%		40.8		1
CELLULOSE (VAN SOEST)		%		27.7		1
FIBER, ACID DETERGENT (VS)		%		35.7		1
HEMICELLULOSE		%		13.0		1
LIGNIN KMNO4 (VS)		%		2.7		1
SILICON		%		3.40		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA, LEAVES, FRESH, (2)						
REF NO 2-11-239						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		74.0		
ASH		%		26.0		1
CRUDE FIBER		%		22.0		1
ETHER EXTRACT		%		5.1		1
NITROGEN FREE EXTRACT		%		27.6		1
PROTEIN		%		19.4		1
CATTLE	DIG PROT	% *		14.4		
GOATS	DIG PROT	% *		14.6		
HORSES	DIG PROT	% *		14.0		
RABBITS	DIG PROT	% *		13.6		
SHEEP	DIG PROT	% *		15.0		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.59		
SHEEP	ME	MCAL/KG *		2.12		
SHEEP	TDN	% *		58.6		
AVENA SATIVA, STEMS, FRESH, (2)						
REF NO 2-11-240						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		69.8		
ASH		%		30.2		1
CRUDE FIBER		%		28.7		1
ETHER EXTRACT		%		1.6		1
NITROGEN FREE EXTRACT		%		31.7		1
PROTEIN		%		7.8		1
CATTLE	DIG PROT	% *		4.5		
GOATS	DIG PROT	% *		3.9		
HORSES	DIG PROT	% *		4.2		
RABBITS	DIG PROT	% *		4.7		
SHEEP	DIG PROT	% *		4.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.03		
SHEEP	ME	MCAL/KG *		1.66		
SHEEP	TDN	% *		46.0		
AVENA SATIVA, AERIAL PART, ENSILED, (3)						
REF NO 3-03-298						
DRY MATTER		%	19.6	100.0	37	15
ORGANIC MATTER		%	(17.4)	(88.6)		
ASH		%	(2.2)	(11.4)	17	17
CRUDE FIBER		%	(6.5)	(33.1)	24	17
SHEEP	DIG COEF	%	(61.)	(61.)		2
ETHER EXTRACT		%	(1.0)	(5.1)	33	17
SHEEP	DIG COEF	%	(73.)	(73.)		2
NITROGEN FREE EXTRACT		%	(7.4)	(38.0)	5	16
SHEEP	DIG COEF	%	(71.)	(71.)		2
PROTEIN		%	(2.5)	(12.5)	24	17
SHEEP	DIG COEF	%	(48.)	(48.)		2
CATTLE	DIG PROT	% *	(1.5)	(7.6)		
GOATS	DIG PROT	% *	(1.5)	(7.6)		
HORSES	DIG PROT	% *	(1.5)	(7.6)		
SHEEP	DIG PROT	%	(1.2)	(5.9)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(0.49)	(2.51)		
SHEEP	DE	MCAL/KG *	(0.53)	(2.69)		
CATTLE	ME	MCAL/KG *	(0.40)	(2.06)		
SHEEP	ME	MCAL/KG *	(0.43)	(2.21)		
CATTLE	NE-M	MCAL/KG *	(0.24)	(1.22)		
CATTLE	NE-GAIN	MCAL/KG *	(0.11)	(0.55)		
CATTLE	NE-LACTATION	MCAL/KG *	(0.24)	(1.25)		
CATTLE	TDN	% *	(11.2)	(57.0)		
SHEEP	TDN	%	12.0	61.0		
CALCIUM		%	0.13	0.67		1
PHOSPHORUS		%	0.14	0.69		1
AVENA SATIVA, AERIAL PART, ENSILED, MILK STAGE, (3)						
REF NO 3-10-556						
DRY MATTER		%	36.5	100.0		2
ORGANIC MATTER		%	35.4	96.9		
ASH		%	1.1	3.2		2
CRUDE FIBER		%	9.7	26.5		2
ETHER EXTRACT		%	1.0	2.9		2
NITROGEN FREE EXTRACT		%	23.3	63.8		2
PROTEIN		%	1.4	3.8		2
CATTLE	DIG PROT	% *	-0.1	-0.3		
GOATS	DIG PROT	% *	-0.1	-0.3		
HORSES	DIG PROT	% *	-0.1	-0.3		
SHEEP	DIG PROT	% *	(-0.1)	(-0.3)		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA, CEREAL BY-PRODUCT, MX 4% FIBER, (4)						
OAT MIDDLINGS (CFA)						
OAT MEAL						
FEEDING OAT MEAL (QUAFCO)						
REF NO 4-03-303						
DRY MATTER		%	(90.6)	(100.0)		24
ORGANIC MATTER		%	87.2	96.3		
ASH		%	3.4	3.7	48	10
SHEEP	DIG COEF	%	9.	9.		
CRUDE FIBER		%	7.8	8.6	98	19
SHEEP	DIG COEF	%	49.	49.		1
ETHER EXTRACT		%	5.8	6.4	34	18
SHEEP	DIG COEF	%	93.	93.		1
NITROGEN FREE EXTRACT		%	60.4	66.9	1	6
SHEEP	DIG COEF	%	95.	95.		1
PROTEIN		%	13.0	14.4	31	18
SHEEP	DIG COEF	%	80.	80.		1
CATTLE	DIG PROT	% *	8.3	9.2		
GOATS	DIG PROT	% *	9.4	10.4		
HORSES	DIG PROT	% *	9.4	10.4		
SHEEP	DIG PROT	%	10.4	11.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.19	3.52		
SHEEP	DE	MCAL/KG *	3.70	4.09		
SWINE	DE	KCAL/KG *	3231.	3566.		
CATTLE	ME	MCAL/KG *	2.61	2.88		
CHICKENS	ME-N	KCAL/KG	341.	376.		2
SHEEP	ME	MCAL/KG *	3.04	3.35		
SWINE	ME	KCAL/KG *	3008.	3320.		
CATTLE	NE-M	MCAL/KG *	1.67	1.85		
CATTLE	NE-GAIN	MCAL/KG *	1.12	1.23		
CATTLE	NE-LACTATION	MCAL/KG *	(1.84)	(2.03)		
CHICKENS	PRODUCTIVE	KCAL/KG	218.	240.		2
CATTLE	TDN	% *	72.2	79.7		
SHEEP	TDN	%	84.0	92.7		1
SWINE	TDN	% *	(73.3)	(80.9)		
CALCIUM		%	(0.15)	(0.16)	98	9
IRON		%	(0.036)	(0.042)		2
MANGANESE		MG/KG	(41.2)	(45.5)		3
PHOSPHORUS		%	(0.36)	(0.39)	40	8
CHICKENS, CHICKS AVAILABLE		%	(0.13)	(0.14)		1
POTASSIUM		%	(0.57)	(0.63)		3
A-TOCOPHEROL		MG/KG	(6.2)	(6.9)		1
CHOLINE		MG/KG	(1107.)	(1222.)		2
FOLIC ACID		MG/KG	(0.59)	(0.65)		1
NIACIN		MG/KG	(17.1)	(18.9)		3
PANTOTHENIC ACID		MG/KG	(16.2)	(17.9)		3
RIBOFLAVIN		MG/KG	(1.7)	(1.8)		3
THIAMINE		MG/KG	(7.0)	(7.7)		2
ARGININE		%	(0.77)	(0.85)	44	5
CYSTINE		%	(0.16)	(0.18)		2
GLYCINE		%	(0.37)	(0.41)		2
HISTIDINE		%	(0.25)	(0.28)	40	4
ISOLEUCINE		%	(0.44)	(0.49)		3
LEUCINE		%	(1.11)	(1.23)		2
LYSINE		%	(0.42)	(0.47)	59	5
METHIONINE		%	(0.19)	(0.21)	33	4
PHENYLALANINE		%	(0.56)	(0.61)		3
THREONINE		%	(0.39)	(0.43)		3
TRYPTOPHAN		%	(0.18)	(0.20)	31	4
TYROSINE		%	(0.79)	(0.88)		2
VALINE		%	0.58	0.64		3
AVENA SATIVA, FLOUR BY-PRODUCT, (4)						
REF NO 4-09-584						
DRY MATTER		%	90.3	100.0		2
ORGANIC MATTER		%	86.2	95.5		
ASH		%	4.1	4.5		2
CRUDE FIBER		%	17.8	19.7		2
ETHER EXTRACT		%	3.3	3.7		2
NITROGEN FREE EXTRACT		%	57.4	63.6		2
PROTEIN		%	7.6	8.5		2
CATTLE	DIG PROT	% *	3.4	3.8		
GOATS	DIG PROT	% *	4.5	5.0		
HORSES	DIG PROT	% *	4.5	5.0		
SHEEP	DIG PROT	% *	4.5	5.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.47	2.73		
SHEEP	DE	KCAL/KG *	2.86	3.17		
SWINE	DE	KCAL/KG *	2499.	2768.		
CATTLE	ME	MCAL/KG *	2.02	2.24		
SHEEP	ME	MCAL/KG *	2.34	2.60		
SWINE	ME	KCAL/KG *	2357.	2610.		
CATTLE	NE-M	MCAL/KG *	1.20	1.33		
CATTLE	NE-GAIN	MCAL/KG *	0.65	0.72		
CATTLE	NE-LACTATION	MCAL/KG *	1.28	1.42		
CATTLE	TDN	% *	55.9	61.9		
SHEEP	TDN	% *	64.6	71.8		
SWINE	TDN	% *	56.7	62.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA, GRAIN, (4)						
REF NO 4-03-309						
DRY MATTER		%	88.9	100.0	7	23
ORGANIC MATTER		%	85.0	95.6		
ASH		%	3.9	4.4	50	35
SHEEP	DIG COEF	%	27.	27.		
CRUDE FIBER		%	12.6	14.2	31	38
HORSES	DIG COEF	%	44.	44.		1
SHEEP	DIG COEF	%	32.	32.		1
SWINE	DIG COEF	%	14.	14.		1
ETHER EXTRACT		%	4.7	5.3	28	39
HORSES	DIG COEF	%	80.	80.		1
SHEEP	DIG COEF	%	80.	80.		1
SWINE	DIG COEF	%	79.	79.		2
NITROGEN FREE EXTRACT		%	57.8	65.0	8	27
HORSES	DIG COEF	%	79.	79.		1
SHEEP	DIG COEF	%	78.	78.		1
SWINE	DIG COEF	%	76.	76.		2
PROTEIN		%	9.9	11.2	23	51
HORSES	DIG COEF	%	79.	79.		1
SHEEP	DIG COEF	%	78.	78.		1
SWINE	DIG COEF	%	81.	81.		2
CATTLE	DIG PROT	% *	5.6	6.3		
GOATS	DIG PROT	% *	6.6	7.5		
HORSES	DIG PROT	%	7.8	8.8		
SHEEP	DIG PROT	%	7.7	8.7		
SWINE	DIG PROT	%	8.0	9.0		
ENERGY	GE	KCAL/KG	4075.	4584.		1
CATTLE	DE	MCAL/KG *	2.69	3.03		
SHEEP	DE	MCAL/KG *	2.88	3.24		
SWINE	DE	KCAL/KG *	2735.	3077.		
CATTLE	ME	MCAL/KG *	2.21	2.48		
CHICKENS	ME-N	KCAL/KG	1262.	1420.		2
SHEEP	ME	MCAL/KG *	2.36	2.65		
SWINE	ME	KCAL/KG *	2564.	2884.		
CATTLE	NE-M	MCAL/KG *	1.34	1.51		
CATTLE	NE-GAIN	MCAL/KG *	0.83	0.94		
CATTLE	NE-LACTATION	MCAL/KG *	(1.47)	(1.65)		
CHICKENS	PRODUCTIVE	KCAL/KG	1651.	1858.		1
CATTLE	TDN	% *	61.0	68.6		
HORSES	TDN	%	67.5	75.9		1
SHEEP	TDN	%	65.3	73.4		1
SWINE	TDN	%	62.0	69.8		2
CALCIUM		%	(0.20)	(0.23)	98	14
CHLORINE		%	(0.10)	(0.11)		1
COBALT		MG/KG	(0.026)	(0.029)		1
IODINE		MG/KG	0.064	0.072		1
IRON		%	0.005	0.005	15	10
PHOSPHORUS		%	0.27	0.30	21	14
POTASSIUM		%	(0.42)	(0.47)		2
SODIUM		%	(0.06)	(0.07)		1
SULPHUR		%	0.20	0.23		1
ASCORBIC ACID		MG/KG	(3.2)	(3.6)	25	10
BIOTIN		MG/KG	(0.28)	(0.32)		1
CHOLINE		MG/KG	(945.)	(1063.)		2
FOLIC ACID		MG/KG	0.22	0.24		1
NIACIN		MG/KG	(16.7)	(18.7)	28	10
PANTOTHENIC ACID		MG/KG	13.1	14.8	3	5
RIBOFLAVIN		MG/KG	1.3	1.5	11	10
THIAMINE		MG/KG	(2.5)	(2.8)	10	10
ARGININE		%	(0.64)	(0.72)	30	4
CYSTINE		%	(0.17)	(0.19)		3
GLYCINE		%	(0.49)	(0.55)		1
HISTIDINE		%	(0.16)	(0.18)		3
ISOLEUCINE		%	(0.58)	(0.65)		2
LEUCINE		%	(0.86)	(0.96)		2
LYSINE		%	(0.37)	(0.42)	36	4
METHIONINE		%	(0.17)	(0.19)		3
PHENYLALANINE		%	(0.60)	(0.68)		2
THREONINE		%	(0.39)	(0.44)		2
TRYPTOPHAN		%	(0.14)	(0.16)	21	5
TYROSINE		%	(0.73)	(0.82)		2
VALINE		%	0.65	0.73		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA, GRAIN, CRACKED, (4)						
REF NO 4-11-250						
DRY MATTER		%		100.0		
ETHER EXTRACT		%		5.3		1
PROTEIN		%		3.4		1
CATTLE	DIG PROT	% *		-0.8		
GOATS	DIG PROT	% *		0.4		
HORSES	DIG PROT	% *		0.4		
SHEEP	DIG PROT	% *		0.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA, GRAIN, GRND, (4)						
REF NO 4-08-471						
DRY MATTER		%	91.1	100.0		3
ORGANIC MATTER		%	89.3	98.0		
ASH		%	1.8	2.0		3
CRUDE FIBER		%	3.0	3.3		3
ETHER EXTRACT		%	6.9	7.6		3
NITROGEN FREE EXTRACT		%	66.0	72.5		3
PROTEIN		%	13.4	14.7		3
CATTLE	DIG PROT	% *	8.6	9.5		
GOATS	DIG PROT	% *	9.7	10.7		
HORSES	DIG PROT	% *	9.7	10.7		
SHEEP	DIG PROT	% *	9.7	10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.63	3.99		
SHEEP	DE	MCAL/KG *	3.53	3.87		
SWINE	DE	KCAL/KG *	3497.	3839.		
CATTLE	ME	MCAL/KG *	2.98	3.27		
SHEEP	ME	MCAL/KG *	2.89	3.17		
SWINE	ME	KCAL/KG *	3254.	3572.		
CATTLE	NE-M	MCAL/KG *	2.05	2.25		
CATTLE	NE-GAIN	MCAL/KG *	1.34	1.47		
CATTLE	NE-LACTATION	MCAL/KG *	2.19	2.40		
CATTLE		TDN % *	82.4	90.4		
SHEEP		TDN % *	80.0	87.8		
SWINE		TDN % *	79.3	87.1		
CALCIUM		%	1.29	1.42		1
COPPER		MG/KG	63.8	70.0		1
IRON		%	0.009	0.010		1
MAGNESIUM		%	0.13	0.14		1
MANGANESE		MG/KG	39.2	43.0		1
PHOSPHORUS		%	0.70	0.77		1
POTASSIUM		%	0.39	0.43		1
SODIUM		%	0.87	0.95		1
AVENA SATIVA, GRAIN, ROLLED, (4)						
REF NO 4-03-307						
DRY MATTER		%	90.0	100.0		1
PROTEIN		%	10.0	11.1		1
CATTLE	DIG PROT	% *	5.6	6.2		
GOATS	DIG PROT	% *	6.7	7.4		
HORSES	DIG PROT	% *	6.7	7.4		
SHEEP	DIG PROT	% *	6.7	7.4		
AVENA SATIVA, GRAIN, 8-10% PROTEIN, (4)						
REF NO 4-03-326						
DRY MATTER		%	91.6	100.0		1
CRUDE FIBER		%	12.0	13.1		1
PROTEIN		%	9.3	10.2		1
CATTLE	DIG PROT	% *	4.9	5.3		
GOATS	DIG PROT	% *	6.0	6.5		
HORSES	DIG PROT	% *	6.0	6.5		
SHEEP	DIG PROT	% *	6.0	6.5		
CALCIUM		%	0.14	0.15		1
PHOSPHORUS		%	0.36	0.39		1
AVENA SATIVA, GROATS, (4) OAT GROATS (CFA) OAT GROATS (AAFCO)						
REF NO 4-03-331						
DRY MATTER		%	90.3	100.0	1	13
ORGANIC MATTER		%	88.5	98.0	10	1
ASH		%	1.7	1.9	10	17
CRUDE FIBER		%	3.0	3.3	40	17
ETHER EXTRACT		%	6.6	7.3	28	17
NITROGEN FREE EXTRACT		%	67.2	74.4	3	6
PROTEIN		%	11.8	13.0	23	17
CATTLE	DIG PROT	% *	7.2	8.0		
GOATS	DIG PROT	% *	8.3	9.2		
HORSES	DIG PROT	% *	8.3	9.2		
SHEEP	DIG PROT	% *	8.3	9.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.50	3.88		
SHEEP	DE	MCAL/KG *	3.47	3.85		
SWINE	DE	KCAL/KG *	3427.	3795.		
CATTLE	ME	MCAL/KG *	2.87	3.18		
SHEEP	ME	MCAL/KG *	2.85	3.15		
SWINE	ME	KCAL/KG *	3200.	3543.		
CATTLE	NE-M	MCAL/KG *	1.94	2.15		
CATTLE	NE-GAIN	MCAL/KG *	1.28	1.41		
CATTLE	NE-LACTATION	MCAL/KG *	2.09	2.31		
CATTLE		TDN % *	79.4	87.9		
SHEEP		TDN % *	78.8	87.2		
SWINE		TDN % *	77.7	86.1		
CALCIUM		%	0.11	0.12	81	12
IRON		%	0.005	0.005	21	11
PHOSPHORUS		%	0.34	0.38	29	12
ASCORBIC ACID		MG/KG	5.6	6.2	68	11

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
NIACIN	MG/KG	23.1	25.6	21	11
RIBOFLAVIN	MG/KG	1.5	1.7	8	11
THIAMINE	MG/KG	3.7	4.1	14	11
ARGININE	%	0.88	0.97		1
CYSTINE	%	0.18	0.20		1
HISTIDINE	%	0.28	0.31		1
ISOLEUCINE	%	0.54	0.60		1
LEUCINE	%	0.95	1.05		1
LYSINE	%	0.55	0.61		1
METHIONINE	%	0.21	0.23		1
PHENYLALANINE	%	0.66	0.73		1
THREONINE	%	0.45	0.50		1
TRYPTUPHAN	%	0.15	0.17		1
VALINE	%	0.75	0.83		1

AVENA SATIVA, GROATS, GRND, (4)

REF NO 4-03-330

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		97.8		
ASH	%		2.2	8	21
CRUDE FIBER	%		1.7	48	21
ETHER EXTRACT	%		7.0	19	21
NITROGEN FREE EXTRACT	%		72.2	3	21
PROTEIN	%		16.9	8	21
CATTLE	DIG PROT % *		11.6		
GOATS	DIG PROT % *		12.8		
HORSES	DIG PROT % *		12.8		
SHEEP	DIG PROT % *		12.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		4.11		
SHEEP	DE MCAL/KG *		3.93		
SWINE	DE KCAL/KG *		3905.		
CATTLE	ME MCAL/KG *		3.37		
SHEEP	ME MCAL/KG *		3.22		
SWINE	ME KCAL/KG *		3616.		
CATTLE	NE-M MCAL/KG *		2.37		
CATTLE	NE-GAIN MCAL/KG *		1.52		
CATTLE	NE-LACTATION MCAL/KG *		2.49		
CATTLE	TDN % *		93.2		
SHEEP	TDN % *		89.1		
SWINE	TDN % *		88.6		

AVENA SATIVA, OATS, CLINTLAND

AVENA SATIVA CLINTLAND, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-570

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.7		
ASH	%		10.4		2
CRUDE FIBER	%		18.6		2
ETHER EXTRACT	%		5.7		2
NITROGEN FREE EXTRACT	%		54.7		2
PROTEIN	%		10.7		2
CATTLE	DIG PROT % *		7.0		
GOATS	DIG PROT % *		6.5		
HORSES	DIG PROT % *		6.6		
RABBITS	DIG PROT % *		6.9		
SHEEP	DIG PROT % *		7.0		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		2.85		
SHEEP	ME MCAL/KG *		2.34		
SHEEP	TDN % *		64.7		

AVENA SATIVA CLINTLAND, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-588

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.5		
ASH	%		11.5		2
CRUDE FIBER	%		24.9		2
ETHER EXTRACT	%		5.9		2
NITROGEN FREE EXTRACT	%		48.8		2
PROTEIN	%		9.0		2
CATTLE	DIG PROT % *		5.5		
GOATS	DIG PROT % *		4.9		
HORSES	DIG PROT % *		5.1		
RABBITS	DIG PROT % *		5.6		
SHEEP	DIG PROT % *		5.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		2.58		
SHEEP	ME MCAL/KG *		2.12		
SHEEP	TDN % *		58.6		

AVENA SATIVA CLINTLAND, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)

REF NO 2-13-537

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.9		
ASH	%		11.1		2
CRUDE FIBER	%		30.4		2
ETHER EXTRACT	%		3.6		2
NITROGEN FREE EXTRACT	%		48.0		2
PROTEIN	%		7.0		2
CATTLE	DIG PROT % *		3.8		
GOATS	DIG PROT % *		3.1		
HORSES	DIG PROT % *		3.5		
RABBITS	DIG PROT % *		4.1		
SHEEP	DIG PROT % *		3.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.59		
SHEEP	DE MCAL/KG *		2.55		
CATTLE	ME MCAL/KG *		2.13		
SHEEP	ME MCAL/KG *		2.09		
CATTLE	NE-M MCAL/KG *		1.26		
CATTLE	NE-GAIN MCAL/KG *		0.62		
CATTLE	NE-LACTATION MCAL/KG *		1.31		
CATTLE	TDN % *		58.8		
SHEEP	TDN % *		57.7		

AVENA SATIVA, OATS, SUREGRAIN

AVENA SATIVA SUREGRAIN, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-531

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.2		
ASH	%		7.8		1
CRUDE FIBER	%		14.1		1
ETHER EXTRACT	%		6.1		1
NITROGEN FREE EXTRACT	%		62.8		1
PROTEIN	%		9.2		1
CATTLE	DIG PROT % *		5.7		
GOATS	DIG PROT % *		5.1		
HORSES	DIG PROT % *		5.3		
RABBITS	DIG PROT % *		5.8		
SHEEP	DIG PROT % *		5.6		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		3.01		
SHEEP	ME MCAL/KG *		2.47		
SHEEP	TDN % *		68.2		

AVENA SATIVA SUREGRAIN, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-596

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.2		
ASH	%		9.8		1
CRUDE FIBER	%		24.9		1
ETHER EXTRACT	%		5.5		1
NITROGEN FREE EXTRACT	%		52.2		1
PROTEIN	%		7.6		1
CATTLE	DIG PROT % *		4.4		
GOATS	DIG PROT % *		3.7		
HORSES	DIG PROT % *		4.0		
RABBITS	DIG PROT % *		4.5		
SHEEP	DIG PROT % *		4.1		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		2.60		
SHEEP	ME MCAL/KG *		2.13		
SHEEP	TDN % *		59.0		

AVENA SATIVA SUREGRAIN, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-346

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.2	100.0		1
OM IN VITRO (TILLY)	DIG COEF %	68.	68.		1
PROTEIN	%	4.4	24.0		1
CATTLE	DIG PROT % *	3.3	18.3		
GOATS	DIG PROT % *	3.4	19.0		
HORSES	DIG PROT % *	3.3	17.9		
RABBITS	DIG PROT % *	3.1	17.2		
SHEEP	DIG PROT % *	3.5	19.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AVENA SATIVA SUDEGRAIN, AERIAL PART, FRESH, DOUGH STAGE, (2)						
REF NO 2-13-589						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.5		
ASH		%		10.5		1
CRUDE FIBER		%		28.9		1
ETHER EXTRACT		%		3.1		1
NITROGEN FREE EXTRACT		%		50.1		1
PROTEIN		%		7.4		1
CATTLE	DIG PROT	% *		4.2		
GOATS	DIG PROT	% *		3.5		
HORSES	DIG PROT	% *		3.8		
RABBITS	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		3.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.67		
SHEEP	DE	MCAL/KG *		2.61		
CATTLE	ME	MCAL/KG *		2.19		
SHEEP	ME	MCAL/KG *		2.14		
CATTLE	NE-M	MCAL/KG *		1.30		
CATTLE	NE-GAIN	MCAL/KG *		0.67		
CATTLE	NE-LACTATION	MCAL/KG *		1.37		
CATTLE	TDN	% *		60.5		
SHEEP	TDN	% *		59.1		

AVENA SATIVA, LOLIUM MULTIFLORUM, OATS-RYEGRASS, ITALIAN

AVENA SATIVA, LOLIUM MULTIFLORUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-415

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.7	100.0		2
PROTEIN		%	3.3	17.0		2
CATTLE	DIG PROT	% *	2.4	12.3		
GOATS	DIG PROT	% *	2.4	12.4		
HORSES	DIG PROT	% *	2.4	12.0		
RABBITS	DIG PROT	% *	2.3	11.8		
SHEEP	DIG PROT	% *	2.5	12.8		

AVENA SPP, OATS

AVENA SPP, STRAW, CHOPPED, (1)

REF NO 1-13-069

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.6	100.0	4	12
DM IN VITRO (TILLY)	DIG COEF	%	30.	30.	7	9
PROTEIN		%	3.6	4.1	23	12
CATTLE	DIG PROT	% *	0.4	0.5		
GOATS	DIG PROT	% *	0.4	0.4		
HORSES	DIG PROT	% *	0.9	1.0		
RABBITS	DIG PROT	% *	1.6	1.9		
SHEEP	DIG PROT	% *	0.2	0.3		

AVENA SPP, AERIAL PART, FRESH, (2)

REF NO 2-13-045

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.0	100.0	11	25
PROTEIN		%	4.1	21.6	12	24
CATTLE	DIG PROT	% *	3.1	16.2		
GOATS	DIG PROT	% *	3.2	16.7		
HORSES	DIG PROT	% *	3.0	15.9		
RABBITS	DIG PROT	% *	2.9	15.3		
SHEEP	DIG PROT	% *	3.3	17.1		
CALCIUM		%	0.06	0.34	43	21
MAGNESIUM		%	0.04	0.24	51	20

AVENA SPP, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-13-136

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	16.5	100.0	22	15
DM IN VITRO (TILLY)	DIG COEF	%	77.	77.	9	12
PROTEIN		%	3.9	23.5	16	15
CATTLE	DIG PROT	% *	3.0	17.9		
GOATS	DIG PROT	% *	3.1	18.5		
HORSES	DIG PROT	% *	2.9	17.5		
RABBITS	DIG PROT	% *	2.8	16.8		
SHEEP	DIG PROT	% *	3.1	18.9		
FIBER, ACID DETERGENT (VS)		%	3.8	22.9	15	12
CALCIUM		%	0.05	0.29	15	4
MAGNESIUM		%	0.25	1.53	98	4
POTASSIUM		%	0.59	3.57		3
SODIUM		%	0.05	0.28	15	4

AVENA SPP, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-047

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	16.7	100.0	13	34
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.	9	21
PROTEIN		%	4.1	24.6	11	34
CATTLE	DIG PROT	% *	3.1	18.8		
GOATS	DIG PROT	% *	3.3	19.5		
HORSES	DIG PROT	% *	3.1	18.4		
RABBITS	DIG PROT	% *	3.0	17.6		
SHEEP	DIG PROT	% *	3.3	19.9		

AVENA SPP, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-049

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.6	100.0	7	12
PROTEIN		%	4.8	25.8	3	12
CATTLE	DIG PROT	% *	3.7	19.8		
GOATS	DIG PROT	% *	3.8	20.6		
HORSES	DIG PROT	% *	3.6	19.4		
RABBITS	DIG PROT	% *	3.5	18.6		
SHEEP	DIG PROT	% *	3.9	21.0		

AVENA SPP, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-13-046

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.6	100.0	6	11
PROTEIN		%	3.0	13.2	12	11
CATTLE	DIG PROT	% *	2.1	9.1		
GOATS	DIG PROT	% *	2.0	8.9		
HORSES	DIG PROT	% *	2.0	8.7		
RABBITS	DIG PROT	% *	2.0	8.9		
SHEEP	DIG PROT	% *	2.1	9.3		

AVENA SPP, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 3, (2)

REF NO 2-13-048

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.3	100.0	7	12
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.	6	12
PROTEIN		%	2.9	11.1	17	12
CATTLE	DIG PROT	% *	1.9	7.3		
GOATS	DIG PROT	% *	1.8	6.9		
HORSES	DIG PROT	% *	1.8	7.0		
RABBITS	DIG PROT	% *	1.9	7.2		
SHEEP	DIG PROT	% *	1.9	7.3		

AVENA SPP, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-050

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	20.4	100.0	5	12
DM IN VITRO (TILLY)	DIG COEF	%	72.	72.	6	11
PROTEIN		%	4.3	21.3	10	12
CATTLE	DIG PROT	% *	3.3	16.0		
GOATS	DIG PROT	% *	3.4	16.5		
HORSES	DIG PROT	% *	3.2	15.6		
RABBITS	DIG PROT	% *	3.1	15.1		
SHEEP	DIG PROT	% *	3.4	16.9		

AVENA SPP, OATS, BLACK

AVENA SPP BLACK, GRAIN, GRND, (4)

REF NO 4-15-438

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		98.9		
ASH		%		1.1		1
CRUDE FIBER		%		3.9		1
ETHER EXTRACT		%		1.7		1
NITROGEN FREE EXTRACT		%		83.4		1
PROTEIN		%		9.9		1
CATTLE	DIG PROT	% *		5.1		
GOATS	DIG PROT	% *		6.3		
HORSES	DIG PROT	% *		6.3		
SHEEP	DIG PROT	% *		6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.64		
SHEEP	DE	MCAL/KG *		3.83		
SWINE	DE	KCAL/KG *		3857.		
CATTLE	ME	MCAL/KG *		2.98		
SHEEP	ME	MCAL/KG *		3.14		
SWINE	ME	KCAL/KG *		3626.		
CATTLE	NE-M	MCAL/KG *		1.94		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-GAIN	MCAL/KG *		1.30		
CATTLE	NE-LACTATION	MCAL/KG *		2.12		
CATTLE		TDN % *		82.5		
SHEEP		TDN % *		86.8		
SWINE		TDN % *		87.5		

AVENA SPP, HORDEUM VULGARE, LOLIUM MULTIFLORUM, CIRSIUM VULGARE, OATS-BARLEY-RYEGRASS, ITALIAN-THISTLE, VULGARE

AVENA SPP, HORDEUM VULGARE, LOLIUM MULTIFLORUM, CIRSIUM VULGARE, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-13-131

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.5	100.0		1
ORGANIC MATTER		%	21.3	90.7		
ASH		%	2.2	9.3		1
ETHER EXTRACT		%	0.9	3.7		1
PROTEIN		%	2.6	10.9		1
CATTLE	DIG PROT	% *	1.7	7.2		
GOATS	DIG PROT	% *	1.6	6.7		
HORSES	DIG PROT	% *	1.6	6.8		
RABBITS	DIG PROT	% *	1.7	7.1		
SHEEP	DIG PROT	% *	1.7	7.1		

AVENA SPP, HORDEUM VULGARE, LOLIUM MULTIFLORUM, CIRSIUM VULGARE, AERIAL PART, ENSILED, (3)

REF NO 3-13-133

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.4	100.0		1
PROTEIN		%	1.7	7.9		1
CATTLE	DIG PROT	% *	0.7	3.4		
GOATS	DIG PROT	% *	0.7	3.4		
HORSES	DIG PROT	% *	0.7	3.4		
SHEEP	DIG PROT	% *	0.7	3.4		

AVENA SPP, HORDEUM VULGARE, LOLIUM MULTIFLORUM, CIRSIUM VULGARE, AERIAL PART, ENSILED, DOUGH STAGE, (3)

REF NO 3-13-132

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.4	100.0		1
ORGANIC MATTER		%	18.5	86.6		
ASH		%	2.9	13.4		1
ETHER EXTRACT		%	0.5	2.2		1
PROTEIN		%	1.7	7.9		1
CATTLE	DIG PROT	% *	0.7	3.4		
GOATS	DIG PROT	% *	0.7	3.4		
HORSES	DIG PROT	% *	0.7	3.4		
SHEEP	DIG PROT	% *	0.7	3.4		

AVENA SPP, ZEA MAYS, OATS-CORN

AVENA SPP, ZEA MAYS, AERIAL PART-STUBBLE, FRESH, (2)

REF NO 2-13-072

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.8	100.0	51	26
PROTEIN		%	5.4	18.1	18	25
CATTLE	DIG PROT	% *	3.9	13.3		
GOATS	DIG PROT	% *	4.0	13.4		
HORSES	DIG PROT	% *	3.8	12.9		
RABBITS	DIG PROT	% *	3.8	12.6		
SHEEP	DIG PROT	% *	4.1	13.8		
CALCIUM		%	0.11	0.37	26	20
MAGNESIUM		%	0.07	0.22	27	17

AXONOPUS AFFINIS, CARPETGRASS, COMMON

AXONOPUS AFFINIS COMMON, AERIAL PART, FRESH, (2)

REF NO 2-09-399

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.5	100.0	24	34
ORGANIC MATTER		%	27.8	85.4		1
ASH		%	3.5	10.7		2
CRUDE FIBER		%	9.5	29.2		1
ETHER EXTRACT		%	0.8	2.5		1
NITROGEN FREE EXTRACT		%	15.5	47.7		1
PROTEIN		%	3.2	9.9	24	35
CATTLE	DIG PROT	% *	2.0	6.3		
GOATS	DIG PROT	% *	1.9	5.8		
HORSES	DIG PROT	% *	1.9	5.9		
RABBITS	DIG PROT	% *	2.0	6.3		
SHEEP	DIG PROT	% *	2.0	6.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.84	2.57		
SHEEP	DE	MCAL/KG *	0.85	2.62		
CATTLE	ME	MCAL/KG *	0.68	2.11		
SHEEP	ME	MCAL/KG *	0.70	2.15		
CATTLE	NE-M	MCAL/KG *	0.40	1.25		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.60		
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.29		
CATTLE		TDN % *	18.9	58.3		
SHEEP		TDN % *	19.3	59.4		
CALCIUM		%	0.02	0.06		1
IRON		%	0.016	0.054		1
PHOSPHORUS		%	0.04	0.13		1
VITAMIN A EQUIV		IU/G	6.1	18.9		

AXONOPUS AFFINIS COMMON, AERIAL PART, FRESH, LATE BLOOM, CUT 1, (2)

REF NO 2-17-513

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.7		
ASH		%		8.3		1
ETHER EXTRACT		%		3.9		1
NITROGEN FREE EXTRACT		%		49.2		1
PROTEIN		%		7.2		1
CATTLE	DIG PROT	% *		4.0		
GOATS	DIG PROT	% *		3.3		
HORSES	DIG PROT	% *		3.6		
RABBITS	DIG PROT	% *		4.2		
SHEEP	DIG PROT	% *		3.7		
CELLULOSE (CRAMPTON)		%		31.3		1
CALCIUM		%		0.38		1
MAGNESIUM		%		0.22		1
PHOSPHORUS		%		0.21		1
ACID INSOLUBLE ASH (SILICA)		%		2.95		1

AXONOPUS ANCEPS, CARPETGRASS, ANCEPS

AXONOPUS ANCEPS ANCEPS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-871

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	37.5	100.0		2
ORGANIC MATTER		%	35.6	95.1		2
ASH		%	1.9	5.0		2
CRUDE FIBER		%	14.8	39.4		2
ETHER EXTRACT		%	0.5	1.5		2
NITROGEN FREE EXTRACT		%	18.0	48.0		2
PROTEIN		%	2.3	6.3		2
CATTLE	DIG PROT	% *	1.2	3.2		
GOATS	DIG PROT	% *	0.9	2.4		
HORSES	DIG PROT	% *	1.1	2.8		
RABBITS	DIG PROT	% *	1.3	3.5		
SHEEP	DIG PROT	% *	1.1	2.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.80	2.12		
SHEEP	DE	MCAL/KG *	0.92	2.45		
CATTLE	ME	MCAL/KG *	0.65	1.74		
SHEEP	ME	MCAL/KG *	0.75	2.01		
CATTLE	NE-M	MCAL/KG *	0.39	1.03		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.20		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	0.94		
CATTLE		TDN % *	18.0	48.1		
SHEEP		TDN % *	20.8	55.6		
CALCIUM		%	0.03	0.08		2
PHOSPHORUS		%	0.02	0.05		2

AXONOPUS AUREUS, CARPETGRASS, AUREUS

AXONOPUS AUREUS AUREUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-872

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	22.8	91.2		1
ASH		%	2.2	8.8		1
CRUDE FIBER		%	10.4	41.4		1
ETHER EXTRACT		%	0.3	1.0		1
NITROGEN FREE EXTRACT		%	11.0	44.0		1
PROTEIN		%	1.2	4.8		1
CATTLE	DIG PROT	% *	0.5	2.0		
GOATS	DIG PROT	% *	0.3	1.0		
HORSES	DIG PROT	% *	0.4	1.6		
RABBITS	DIG PROT	% *	0.6	2.4		
SHEEP	DIG PROT	% *	0.4	1.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.26		
SHEEP	DE	MCAL/KG *	0.57	2.29		
CATTLE	ME	MCAL/KG *	0.46	1.85		
SHEEP	ME	MCAL/KG *	0.47	1.88		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M	MCAL/KG *	0.27	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.33		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.05		
CATTLE		TDN % *	12.8	51.3		
SHEEP		TDN % *	13.0	52.0		
CALCIUM		%	0.03	0.12		1
PHOSPHORUS		%	0.01	0.04		1

AXONOPUS CHRYSOBLEPHARIS, CARPETGRASS, CHRYSOBLEPHARIS

AXONOPUS CHRYSOBLEPHARIS CHRYSOBLEPHARIS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-073

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	61.7	100.0		1
ORGANIC MATTER		%	55.2	89.4		1
ASH		%	6.5	10.6		1
CRUDE FIBER		%	23.1	37.4		1
ETHER EXTRACT		%	0.6	1.0		1
NITROGEN FREE EXTRACT		%	29.2	47.3		1
PROTEIN		%	2.3	3.7		1
CATTLE	DIG PROT	% *	0.6	1.0		
GOATS	DIG PROT	% *				
HORSES	DIG PROT	% *	0.4	0.7		
RABBITS	DIG PROT	% *	0.9	1.5		
SHEEP	DIG PROT	% *	0.3	0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.42	2.30		
SHEEP	DE	MCAL/KG *	1.42	2.30		
CATTLE	ME	MCAL/KG *	1.16	1.88		
SHEEP	ME	MCAL/KG *	1.16	1.88		
CATTLE	NE-M	MCAL/KG *	0.68	1.11		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.36		
CATTLE	NE-LACTATION	MCAL/KG *	0.66	1.08		
CATTLE		TDN % *	32.1	52.1		
SHEEP		TDN % *	32.2	52.1		
CALCIUM		%	0.22	0.36		1
PHOSPHORUS		%	0.65	1.05		1

AXONOPUS CHRYSODACTYLUS, CARPETGRASS, CHRYSODACTYLUS

AXONOPUS CHRYSODACTYLUS CHRYSODACTYLUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-074

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	48.4	100.0		1
ORGANIC MATTER		%	43.9	90.8		1
ASH		%	4.4	9.1		1
CRUDE FIBER		%	17.2	35.6		1
ETHER EXTRACT		%	0.4	0.9		1
NITROGEN FREE EXTRACT		%	24.4	50.4		1
PROTEIN		%	1.9	4.0		1
CATTLE	DIG PROT	% *	0.6	1.3		
GOATS	DIG PROT	% *	0.1	0.3		
HORSES	DIG PROT	% *	0.4	0.9		
RABBITS	DIG PROT	% *	0.9	1.8		
SHEEP	DIG PROT	% *	0.3	0.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.13	2.33		
SHEEP	DE	MCAL/KG *	1.15	2.37		
CATTLE	ME	MCAL/KG *	0.93	1.91		
SHEEP	ME	MCAL/KG *	0.94	1.94		
CATTLE	NE-M	MCAL/KG *	0.55	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.54	1.11		
CATTLE		TDN % *	25.6	52.9		
SHEEP		TDN % *	26.0	53.7		
CALCIUM		%	0.05	0.10		1
PHOSPHORUS		%	0.02	0.05		1

AXONOPUS COMPRESSUS, CARPETGRASS, TROPICAL

AXONOPUS COMPRESSUS TROPICAL, HAY, S-C, (1)

REF NO 1-11-221

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.0	100.0		1
ORGANIC MATTER		%	82.3	90.4		
ASH		%	8.7	9.6		1
CRUDE FIBER		%	27.2	29.9		1
ETHER EXTRACT		%	0.6	0.7		1
NITROGEN FREE EXTRACT		%	44.9	49.3		
PROTEIN		%	9.6	10.5		1
CATTLE	DIG PROT	% *	5.5	6.0		
GOATS	DIG PROT	% *	5.8	6.4		
HORSES	DIG PROT	% *	5.9	6.4		
RABBITS	DIG PROT	% *	6.2	6.8		
SHEEP	DIG PROT	% *	5.4	6.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.05	2.26		
HORSES	DE	MCAL/KG *	1.50	1.65		
SHEEP	DE	MCAL/KG *	2.12	2.32		
CATTLE	ME	MCAL/KG *	1.68	1.85		
HORSES	ME	MCAL/KG *	1.23	1.35		
SHEEP	ME	MCAL/KG *	1.73	1.91		
CATTLE	NE-M	MCAL/KG *	0.99	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.30	0.33		
CATTLE	NE-LACTATION	MCAL/KG *	0.95	1.05		
CATTLE		TDN % *	46.6	51.2		
HORSES		TDN % *	36.9	40.5		
SHEEP		TDN % *	48.0	52.7		
CALCIUM		%	0.15	0.17		1
PHOSPHORUS		%	0.12	0.13		1

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, (2)

REF NO 2-01-141

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.8	100.0	23	33
ORGANIC MATTER		%	(29.7)	(90.4)		
ASH		%	(3.1)	(9.6)	23	10
CRUDE FIBER		%	(7.7)	(23.4)	26	10
ETHER EXTRACT		%	(0.6)	(1.8)	34	10
NITROGEN FREE EXTRACT		%	(18.6)	(56.5)	11	10
PROTEIN		%	(2.9)	(8.7)	29	43
CATTLE	DIG PROT	% *	(1.7)	(5.3)		
GOATS	DIG PROT	% *	(1.5)	(4.7)		
HORSES	DIG PROT	% *	(1.6)	(4.9)		
RABBITS	DIG PROT	% *	(1.8)	(5.4)		
SHEEP	DIG PROT	% *	(1.7)	(5.1)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(0.95)	(2.90)		
SHEEP	DE	MCAL/KG *	(0.92)	(2.81)		
CATTLE	ME	MCAL/KG *	(0.78)	(2.38)		
SHEEP	ME	MCAL/KG *	(0.76)	(2.31)		
CATTLE	NE-M	MCAL/KG *	(0.47)	(1.43)		
CATTLE	NE-GAIN	MCAL/KG *	(0.28)	(0.85)		
CATTLE	NE-LACTATION	MCAL/KG *	(0.51)	(1.55)		
CATTLE		TDN % *	(21.6)	(65.8)		
SHEEP		TDN % *	21.0	63.8		
CALCIUM		%	0.11	0.35	46	33
PHOSPHORUS		%	0.05	0.14	43	33

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-009

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.4	100.0	13	10
ORGANIC MATTER		%	22.3	88.0	10	10
ASH		%	3.1	12.0	10	10
CRUDE FIBER		%	7.5	29.6	15	10
ETHER EXTRACT		%	0.6	2.3	24	10
NITROGEN FREE EXTRACT		%	11.7	46.0	9	10
PROTEIN		%	2.6	10.2	15	10
CATTLE	DIG PROT	% *	1.7	6.3		
GOATS	DIG PROT	% *	1.5	6.1		
HORSES	DIG PROT	% *	1.6	6.2		
RABBITS	DIG PROT	% *	1.7	6.5		
SHEEP	DIG PROT	% *	1.6	6.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.50		
SHEEP	DE	MCAL/KG *	0.65	2.57		
CATTLE	ME	MCAL/KG *	0.52	2.05		
SHEEP	ME	MCAL/KG *	0.54	2.11		
CATTLE	NE-M	MCAL/KG *	0.31	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.23		
CATTLE		TDN % *	14.4	56.6		
SHEEP		TDN % *	14.8	58.4		

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-018

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.8	100.0	8	6
ORGANIC MATTER		%	22.8	88.4	4	6
ASH		%	3.0	11.6	4	6
CRUDE FIBER		%	8.2	31.9	17	6
ETHER EXTRACT		%	0.5	1.9	15	6
NITROGEN FREE EXTRACT		%	11.8	45.6	13	6
PROTEIN		%	2.3	8.9	15	6
CATTLE	DIG PROT	% *	1.4	5.5		
GOATS	DIG PROT	% *	1.3	4.9		
HORSES	DIG PROT	% *	1.3	5.1		
RABBITS	DIG PROT	% *	1.4	5.6		
SHEEP	DIG PROT	% *	1.4	5.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.42		
SHEEP	DE	MCAL/KG *	0.65	2.51		
CATTLE	ME	MCAL/KG *	0.51	1.98		
SHEEP	ME	MCAL/KG *	0.53	2.06		
CATTLE	NE-M	MCAL/KG *	0.30	1.17		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-GAIN	MCAL/KG *	0.12	0.47		
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.17		
CATTLE	TDN % *	14.2	54.9		
SHEEP	TDN % *	14.7	56.9		

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-024

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.5	100.0	9	4
ORGANIC MATTER	%	25.1	88.2	4	4
ASH	%	3.4	11.8	4	4
CRUDE FIBER	%	8.5	29.7	5	4
ETHER EXTRACT	%	0.7	2.4	40	4
NITROGEN FREE EXTRACT	%	13.8	48.6	6	4
PROTEIN	%	2.1	7.5	17	4
CATTLE DIG PROT	% *	1.2	4.3		
GOATS DIG PROT	% *	1.0	3.6		
HORSES DIG PROT	% *	1.1	3.9		
RABBITS DIG PROT	% *	1.3	4.5		
SHEEP DIG PROT	% *	1.1	4.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.70	2.46		
SHEEP DE	MCAL/KG *	0.73	2.55		
CATTLE ME	MCAL/KG *	0.57	2.02		
SHEEP ME	MCAL/KG *	0.60	2.09		
CATTLE NE-M	MCAL/KG *	0.34	1.19		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.51		
CATTLE NE-LACTATION	MCAL/KG *	0.34	1.20		
CATTLE	TDN % *	15.9	55.8		
SHEEP	TDN % *	16.5	57.9		

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-17-515

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.8		
ASH	%		12.2		1
ETHER EXTRACT	%		2.5		1
NITROGEN FREE EXTRACT	%		47.9		1
PROTEIN	%		7.4		1
CATTLE DIG PROT	% *		4.2		
GOATS DIG PROT	% *		3.5		
HORSES DIG PROT	% *		3.8		
RABBITS DIG PROT	% *		4.4		
SHEEP DIG PROT	% *		3.9		
CELLULOSE (CRAMPTON)	%		29.8		1
CALCIUM	%		0.49		1
MAGNESIUM	%		0.22		1
PHOSPHORUS	%		0.25		1
ACID INSOLUBLE ASH (SILICA)	%		9.48		1

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-420

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.5	100.0		2
ORGANIC MATTER	%	20.6	91.6		2
ASH	%	1.9	8.4		3
CRUDE FIBER	%	8.9	30.8		3
ETHER EXTRACT	%	0.2	1.1		3
NITROGEN FREE EXTRACT	%	11.7	52.3		3
PROTEIN	%	1.7	7.5		3
CATTLE DIG PROT	% *	1.0	4.2		
GOATS DIG PROT	% *	0.8	3.5		
HORSES DIG PROT	% *	0.9	3.9		
RABBITS DIG PROT	% *	1.0	4.4		
SHEEP DIG PROT	% *	0.9	3.9		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.57	2.54		
SHEEP DE	MCAL/KG *	0.58	2.57		
CATTLE ME	MCAL/KG *	0.47	2.08		
SHEEP ME	MCAL/KG *	0.47	2.11		
CATTLE NE-M	MCAL/KG *	0.28	1.23		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.57		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.27		
CATTLE	TDN % *	12.9	57.5		
SHEEP	TDN % *	13.1	58.2		
CALCIUM	%	0.09	0.40		2
PHOSPHORUS	%	0.03	0.13		2

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-075

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	21.9	87.7		1
ASH	%	3.1	12.3		1
CRUDE FIBER	%	7.5	29.9		1
ETHER EXTRACT	%	0.3	1.2		1
NITROGEN FREE EXTRACT	%	12.3	49.3		1
PROTEIN	%	1.8	7.3		1
CATTLE DIG PROT	% *	1.0	4.1		
GOATS DIG PROT	% *	0.8	3.4		
HORSES DIG PROT	% *	0.9	3.7		
RABBITS DIG PROT	% *	1.1	4.3		
SHEEP DIG PROT	% *	0.9	3.8		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.63	2.53		
SHEEP DE	MCAL/KG *	0.62	2.49		
CATTLE ME	MCAL/KG *	0.52	2.08		
SHEEP ME	MCAL/KG *	0.51	2.04		
CATTLE NE-M	MCAL/KG *	0.31	1.23		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.57		
CATTLE NE-LACTATION	MCAL/KG *	0.32	1.26		
CATTLE	TDN % *	14.4	57.4		
SHEEP	TDN % *	14.1	56.4		
CALCIUM	%	0.07	0.28		1
PHOSPHORUS	%	0.03	0.12		1

AXONOPUS COMPRESSUS TROPICAL, AERIAL PART, FRESH, LATE BLOOM, CUT 1, (2)

REF NO 2-17-514

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.6		
ASH	%		9.4		1
ETHER EXTRACT	%		2.4		1
NITROGEN FREE EXTRACT	%		54.8		1
PROTEIN	%		6.7		1
CATTLE DIG PROT	% *		3.6		
GOATS DIG PROT	% *		2.8		
HORSES DIG PROT	% *		3.2		
RABBITS DIG PROT	% *		3.8		
SHEEP DIG PROT	% *		3.2		
CELLULOSE (CRAMPTON)	%		26.5		1
CALCIUM	%		0.38		1
MAGNESIUM	%		0.42		1
PHOSPHORUS	%		2.44		1
ACID INSOLUBLE ASH (SILICA)	%		7.37		1

AXONOPUS MICAY, CARPETGRASS, MICAY

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-10-940

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.2	100.0	16	22
ORGANIC MATTER	%	17.7	87.7		
ASH	%	2.5	12.3	13	22
CRUDE FIBER	%	6.6	32.6	8	22
ETHER EXTRACT	%	0.3	1.5	8	22
NITROGEN FREE EXTRACT	%	8.4	41.5	9	22
PROTEIN	%	2.4	12.1	19	22
CATTLE DIG PROT	% *	1.6	8.2		
GOATS DIG PROT	% *	1.6	7.8		
HORSES DIG PROT	% *	1.6	7.8		
RABBITS DIG PROT	% *	1.6	8.0		
SHEEP DIG PROT	% *	1.7	8.2		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.52	2.56		
SHEEP DE	MCAL/KG *	0.50	2.50		
CATTLE ME	MCAL/KG *	0.42	2.10		
SHEEP ME	MCAL/KG *	0.41	2.05		
CATTLE NE-M	MCAL/KG *	0.25	1.24		
CATTLE NE-GAIN	MCAL/KG *	0.12	0.59		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.28		
CATTLE	TDN % *	11.7	58.1		
SHEEP	TDN % *	11.4	56.6		

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-944

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.1	100.0	10	15
ORGANIC MATTER	%	18.9	89.4	11	11
ASH	%	2.4	11.6	11	15
CRUDE FIBER	%	6.8	32.3	11	15
ETHER EXTRACT	%	0.5	2.3	32	15
NITROGEN FREE EXTRACT	%	9.2	43.8	5	15
PROTEIN	%	2.1	9.9	15	15
CATTLE DIG PROT	% *	1.3	6.3		
GOATS DIG PROT	% *	1.2	5.8		
HORSES DIG PROT	% *	1.3	6.0		
RABBITS DIG PROT	% *	1.3	6.3		
SHEEP DIG PROT	% *	1.3	6.3		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.51	2.39		
SHEEP DE	MCAL/KG *	0.53	2.53		
CATTLE ME	MCAL/KG *	0.41	1.96		
SHEEP ME	MCAL/KG *	0.44	2.08		
CATTLE NE-M	MCAL/KG *	0.24	1.16		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.45		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.15		
CATTLE		TDN % *	11.5	54.3		
SHEEP		TDN % *	12.1	57.4		

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-11-390

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.1	100.0	12	9
ORGANIC MATTER		%	18.9	89.6	13	9
ASH		%	2.4	11.4	13	9
CRUDE FIBER		%	7.0	33.3	9	9
ETHER EXTRACT		%	0.4	2.1	15	9
NITROGEN FREE EXTRACT		%	9.5	45.1	6	9
PROTEIN		%	1.7	8.1	28	9
CATTLE	DIG PROT	% *	1.0	4.7		
GOATS	DIG PROT	% *	0.9	4.1		
HORSES	DIG PROT	% *	0.9	4.4		
RABBITS	DIG PROT	% *	1.0	4.9		
SHEEP	DIG PROT	% *	1.0	4.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.33		
SHEEP	DE	MCAL/KG *	0.52	2.49		
CATTLE	ME	MCAL/KG *	0.40	1.91		
SHEEP	ME	MCAL/KG *	0.43	2.04		
CATTLE	NE-M	MCAL/KG *	0.24	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.39		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.10		
CATTLE		TDN % *	11.1	52.8		
SHEEP		TDN % *	11.9	56.4		

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-11-399

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.7	100.0	13	7
ORGANIC MATTER		%	19.2	88.5	3	7
ASH		%	2.5	11.5	3	7
CRUDE FIBER		%	7.1	32.8	5	7
ETHER EXTRACT		%	0.6	2.7	24	7
NITROGEN FREE EXTRACT		%	9.8	45.2	5	7
PROTEIN		%	1.7	7.8	13	7
CATTLE	DIG PROT	% *	1.0	4.6		
GOATS	DIG PROT	% *	0.8	3.9		
HORSES	DIG PROT	% *	0.9	4.2		
RABBITS	DIG PROT	% *	1.0	4.7		
SHEEP	DIG PROT	% *	0.9	4.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.50	2.31		
SHEEP	DE	MCAL/KG *	0.54	2.51		
CATTLE	ME	MCAL/KG *	0.41	1.90		
SHEEP	ME	MCAL/KG *	0.45	2.06		
CATTLE	NE-M	MCAL/KG *	0.24	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.38		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.09		
CATTLE		TDN % *	11.4	52.5		
SHEEP		TDN % *	12.4	56.9		

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-876

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.8	100.0	23	5
ORGANIC MATTER		%	25.7	89.2	17	5
ASH		%	3.1	10.8	17	5
CRUDE FIBER		%	8.8	30.4	16	5
ETHER EXTRACT		%	0.4	1.2	37	5
NITROGEN FREE EXTRACT		%	13.5	46.8	9	5
PROTEIN		%	3.1	10.8	40	5
CATTLE	DIG PROT	% *	2.0	7.1		
GOATS	DIG PROT	% *	1.9	6.6		
HORSES	DIG PROT	% *	1.9	6.7		
RABBITS	DIG PROT	% *	2.0	7.0		
SHEEP	DIG PROT	% *	2.0	7.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.75	2.61		
SHEEP	DE	MCAL/KG *	0.74	2.55		
CATTLE	ME	MCAL/KG *	0.62	2.14		
SHEEP	ME	MCAL/KG *	0.60	2.09		
CATTLE	NE-M	MCAL/KG *	0.37	1.27		
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.63		
CATTLE	NE-LACTATION	MCAL/KG *	0.38	1.32		
CATTLE		TDN % *	17.1	59.2		
SHEEP		TDN % *	16.7	57.8		
CALCIUM		%	0.09	0.32	12	5
PHOSPHORUS		%	0.08	0.28	26	5

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-13-877

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.6	100.0		1
ORGANIC MATTER		%	16.9	91.0		1
ASH		%	1.7	9.0		1
CRUDE FIBER		%	5.7	30.8		1
ETHER EXTRACT		%	0.5	2.5		1
NITROGEN FREE EXTRACT		%	9.4	50.6		1
PROTEIN		%	1.3	7.1		1
CATTLE	DIG PROT	% *	0.7	3.9		
GOATS	DIG PROT	% *	0.6	3.2		
HORSES	DIG PROT	% *	0.7	3.6		
RABBITS	DIG PROT	% *	0.8	4.2		
SHEEP	DIG PROT	% *	0.7	3.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.51		
SHEEP	DE	MCAL/KG *	0.48	2.59		
CATTLE	ME	MCAL/KG *	0.38	2.06		
SHEEP	ME	MCAL/KG *	0.40	2.13		
CATTLE	NE-M	MCAL/KG *	0.23	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.24		
CATTLE		TDN % *	10.6	56.9		
SHEEP		TDN % *	10.9	58.8		
CALCIUM		%	0.05	0.27		1
PHOSPHORUS		%	0.04	0.22		1

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-11-218

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.2	100.0		3
ORGANIC MATTER		%	21.3	91.8		2
ASH		%	1.7	7.4		3
CRUDE FIBER		%	7.8	33.6	7	4
ETHER EXTRACT		%	0.4	1.5	50	4
NITROGEN FREE EXTRACT		%	12.0	51.6		3
PROTEIN		%	1.4	5.9	26	4
CATTLE	DIG PROT	% *	0.7	2.9		
GOATS	DIG PROT	% *	0.5	2.0		
HORSES	DIG PROT	% *	0.6	2.5		
RABBITS	DIG PROT	% *	0.7	3.2		
SHEEP	DIG PROT	% *	0.6	2.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.54	2.34		
SHEEP	DE	MCAL/KG *	0.58	2.52		
CATTLE	ME	MCAL/KG *	0.44	1.92		
SHEEP	ME	MCAL/KG *	0.48	2.07		
CATTLE	NE-M	MCAL/KG *	0.26	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.11		
CATTLE		TDN % *	12.3	53.0		
SHEEP		TDN % *	13.3	57.2		
CALCIUM		%	0.05	0.23		3
PHOSPHORUS		%	0.04	0.19		3

AXONOPUS MICAY MICAY, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-879

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.8	100.0		3
ORGANIC MATTER		%	29.1	91.6		3
ASH		%	2.7	8.4		3
CRUDE FIBER		%	10.3	32.5		3
ETHER EXTRACT		%	0.3	0.8		3
NITROGEN FREE EXTRACT		%	16.6	52.2		3
PROTEIN		%	1.9	6.1		3
CATTLE	DIG PROT	% *	1.0	3.1		
GOATS	DIG PROT	% *	0.7	2.3		
HORSES	DIG PROT	% *	0.9	2.7		
RABBITS	DIG PROT	% *	1.1	3.4		
SHEEP	DIG PROT	% *	0.9	2.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.79	2.49		
SHEEP	DE	MCAL/KG *	0.79	2.49		
CATTLE	ME	MCAL/KG *	0.65	2.04		
SHEEP	ME	MCAL/KG *	0.65	2.04		
CATTLE	NE-M	MCAL/KG *	0.38	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.23		
CATTLE		TDN % *	18.0	56.4		
SHEEP		TDN % *	18.0	56.4		
CALCIUM		%	0.08	0.26		3
PHOSPHORUS		%	0.06	0.17		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
AXONOPUS MICAY MICAY, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-13-878						
DRY MATTER		%	32.9	100.0		1
ORGANIC MATTER		%	30.6	93.1		1
ASH		%	2.2	6.8		1
CRUDE FIBER		%	12.5	37.9		1
ETHER EXTRACT		%	0.2	0.6		1
NITROGEN FREE EXTRACT		%	15.4	46.7		1
PROTEIN		%	2.6	8.0		1
CATTLE	DIG PROT	% *	1.5	4.7		
GOATS	DIG PROT	% *	1.3	4.0		
HORSES	DIG PROT	% *	1.4	4.3		
RABBITS	DIG PROT	% *	1.6	4.8		
SHEEP	DIG PROT	% *	1.5	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.83	2.52		
SHEEP	DE	MCAL/KG *	0.79	2.41		
CATTLE	ME	MCAL/KG *	0.68	2.06		
SHEEP	ME	MCAL/KG *	0.65	1.98		
CATTLE	NE-M	MCAL/KG *	0.40	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.41	1.25		
CATTLE	TDN	% *	18.8	57.1		
SHEEP	TDN	% *	18.0	54.7		
CALCIUM		%	0.08	0.23		1
PHOSPHORUS		%	0.05	0.15		1
AXONOPUS PULCHER, CARPETGRASS, PULCHER						
AXONOPUS PULCHER PULCHER, AERIAL PART, FRESH, (2)						
REF NO 2-17-528						
DRY MATTER		%	37.6	100.0	40	9
PROTEIN		%	2.6	6.9	23	9
CATTLE	DIG PROT	% *	1.4	3.8		
GOATS	DIG PROT	% *	1.1	3.0		
HORSES	DIG PROT	% *	1.3	3.4		
RABBITS	DIG PROT	% *	1.5	4.0		
SHEEP	DIG PROT	% *	1.3	3.4		
CALCIUM		%	0.16	0.44	49	9
MAGNESIUM		%	0.34	0.90	46	9
MANGANESE		MG/KG	70.9	188.7	31	9
PHOSPHORUS		%	0.03	0.08	30	9
POTASSIUM		%	0.45	1.20	20	8
SODIUM		%	0.05	0.14	98	9
ZINC		MG/KG	26.5	70.6	44	9
AXONOPUS PURPUSSI, CARPETGRASS, PURPUSSI						
AXONOPUS PURPUSSI PURPUSSI, AERIAL PART, FRESH, (2)						
REF NO 2-17-529						
DRY MATTER		%	40.9	100.0		2
PROTEIN		%	2.4	5.8		2
CATTLE	DIG PROT	% *	1.2	2.8		
GOATS	DIG PROT	% *	0.8	2.0		
HORSES	DIG PROT	% *	1.0	2.5		
RABBITS	DIG PROT	% *	1.3	3.1		
SHEEP	DIG PROT	% *	1.0	2.4		
CALCIUM		%	0.15	0.36		2
MAGNESIUM		%	0.32	0.78		2
MANGANESE		MG/KG	80.8	197.5		2
PHOSPHORUS		%	0.02	0.05		2
POTASSIUM		%	0.51	1.24		2
SODIUM		%	0.03	0.07		2
ZINC		MG/KG	16.7	40.8		2
AXONOPUS PURPUSSI PURPUSSI, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-11-220						
DRY MATTER		%	23.0	100.0		3
ORGANIC MATTER		%	20.2	87.9		
ASH		%	2.8	12.1		3
CRUDE FIBER		%	7.6	33.2		3
ETHER EXTRACT		%	0.4	1.6		3
NITROGEN FREE EXTRACT		%	11.1	48.4		3
PROTEIN		%	1.1	4.7		3
CATTLE	DIG PROT	% *	0.4	1.9		
GOATS	DIG PROT	% *	0.2	1.0		
HORSES	DIG PROT	% *	0.4	1.6		
RABBITS	DIG PROT	% *	0.5	2.3		
SHEEP	DIG PROT	% *	0.3	1.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.53	2.29		
SHEEP	DE	MCAL/KG *	0.55	2.41		
CATTLE	ME	MCAL/KG *	0.43	1.88		
SHEEP	ME	MCAL/KG *	0.45	1.97		
CATTLE	NE-M	MCAL/KG *	0.25	1.11		
CATTLE	NE-GAIN	MCAL/KG *	0.00	0.36		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.07		
CATTLE	TDN	% *	11.9	51.9		
SHEEP	TDN	% *	12.5	54.6		
CALCIUM		%	0.04	0.20		3
PHOSPHORUS		%	0.02	0.08		3
AXONOPUS PURPUSSI PURPUSSI, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-11-219						
DRY MATTER		%	25.7	100.0		1
ORGANIC MATTER		%	23.6	91.9		
ASH		%	2.1	8.1		1
CRUDE FIBER		%	9.5	37.2		1
ETHER EXTRACT		%	0.6	2.2		1
NITROGEN FREE EXTRACT		%	12.1	47.1		1
PROTEIN		%	1.4	5.5		1
CATTLE	DIG PROT	% *	0.7	2.5		
GOATS	DIG PROT	% *	0.4	1.7		
HORSES	DIG PROT	% *	0.6	2.2		
RABBITS	DIG PROT	% *	0.7	2.9		
SHEEP	DIG PROT	% *	0.5	2.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.54	2.10		
SHEEP	DE	MCAL/KG *	0.63	2.45		
CATTLE	ME	MCAL/KG *	0.44	1.72		
SHEEP	ME	MCAL/KG *	0.52	2.01		
CATTLE	NE-M	MCAL/KG *	0.26	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.18		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	0.93		
CATTLE	TDN	% *	12.3	47.7		
SHEEP	TDN	% *	14.3	55.6		
CALCIUM		%	0.04	0.15		1
PHOSPHORUS		%	0.02	0.07		1
AXONOPUS SCOPARIUS, CARPETGRASS, IMPERIAL						
AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, (2)						
REF NO 2-09-405						
DRY MATTER		%	22.7	100.0	32	30
ORGANIC MATTER		%	20.8	91.6		
ASH		%	1.9	8.4	35	13
CRUDE FIBER		%	7.4	32.8	12	14
ETHER EXTRACT		%	0.4	1.9	34	14
NITROGEN FREE EXTRACT		%	11.3	49.5	13	11
PROTEIN		%	1.7	7.5	39	38
CATTLE	DIG PROT	% *	1.0	4.2		
GOATS	DIG PROT	% *	0.8	3.5		
HORSES	DIG PROT	% *	0.9	3.9		
RABBITS	DIG PROT	% *	1.0	4.4		
SHEEP	DIG PROT	% *	0.9	3.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.55	2.40		
SHEEP	DE	MCAL/KG *	0.58	2.55		
CATTLE	ME	MCAL/KG *	0.45	1.97		
SHEEP	ME	MCAL/KG *	0.48	2.09		
CATTLE	NE-M	MCAL/KG *	0.26	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.16		
CATTLE	TDN	% *	12.4	54.5		
SHEEP	TDN	% *	13.1	57.8		
AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-10-096						
DRY MATTER		%	14.6	100.0	8	12
ORGANIC MATTER		%	12.8	87.8	11	10
ASH		%	1.8	12.2	11	10
CRUDE FIBER		%	4.2	28.6	6	12
ETHER EXTRACT		%	0.5	3.4	21	12
NITROGEN FREE EXTRACT		%	6.5	44.4	4	10
PROTEIN		%	1.7	11.4	21	12
CATTLE	DIG PROT	% *	1.1	7.6		
GOATS	DIG PROT	% *	1.0	7.2		
HORSES	DIG PROT	% *	1.1	7.2		
RABBITS	DIG PROT	% *	1.1	7.5		
SHEEP	DIG PROT	% *	1.1	7.6		
CELL WALLS (VAN SOEST)		%	8.1	55.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.38	2.60		
SHEEP	DE	MCAL/KG *	0.38	2.63		
CATTLE	ME	MCAL/KG *	0.31	2.13		
SHEEP	ME	MCAL/KG *	0.31	2.16		
CATTLE	NE-M	MCAL/KG *	0.18	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.62		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.31		
CATTLE	TDN % *	8.6	58.9		
SHEEP	TDN % *	8.7	59.6		

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-097

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.5	100.0		2
ORGANIC MATTER	%	14.9	90.5		1
ASH	%	1.6	9.5		1
CRUDE FIBER	%	4.9	30.0		2
ETHER EXTRACT	%	0.4	2.7		2
NITROGEN FREE EXTRACT	%	8.3	50.8		1
PROTEIN	%	1.2	7.1		2
CATTLE DIG PROT	% *	0.6	3.9		
GOATS DIG PROT	% *	0.5	3.1		
HORSES DIG PROT	% *	0.6	3.5		
RABBITS DIG PROT	% *	0.7	4.1		
SHEEP DIG PROT	% *	0.6	3.6		
CELL WALLS (VAN SOEST)	%	9.8	59.5		1
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.42	2.57		
SHEEP DE	MCAL/KG *	0.43	2.60		
CATTLE ME	MCAL/KG *	0.35	2.11		
SHEEP ME	MCAL/KG *	0.35	2.13		
CATTLE NE-M	MCAL/KG *	0.21	1.25		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.60		
CATTLE NE-LACTATION	MCAL/KG *	0.21	1.29		
CATTLE TDN	% *	9.6	58.4		
SHEEP TDN	% *	9.7	59.0		

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-09-793

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.0	100.0	27	14
ORGANIC MATTER	%	16.8	88.7	19	8
ASH	%	2.2	11.4	19	14
CRUDE FIBER	%	5.4	28.6	10	14
CATTLE DIG COEF	%	50.	50.	21	6
ETHER EXTRACT	%	0.5	2.6	19	14
NITROGEN FREE EXTRACT	%	9.5	50.0	7	14
CATTLE DIG COEF	%	46.	46.	17	6
PROTEIN	%	1.4	7.3	19	14
CATTLE DIG COEF	%	18.	18.	59	6
CATTLE DIG PROT	%	0.3	1.3		
GOATS DIG PROT	% *	0.6	3.4		
HORSES DIG PROT	% *	0.7	3.7		
RABBITS DIG PROT	% *	0.8	4.3		
SHEEP DIG PROT	% *	0.7	3.8		
ENERGY	GE KCAL/KG	749.	3951.	5	5
CATTLE DE	MCAL/KG *	0.34	1.77		
SHEEP DE	MCAL/KG *	0.49	2.59		
CATTLE ME	MCAL/KG *	0.27	1.45		
SHEEP ME	MCAL/KG *	0.40	2.12		
CATTLE NE-M	MCAL/KG *	0.17	0.89		
CATTLE NE-GAIN	MCAL/KG *	-0.03	-0.18		
CATTLE NE-LACTATION	MCAL/KG *	0.13	0.67		
CATTLE TDN	%	7.6	40.1	18	6
SHEEP TDN	% *	11.1	58.7		
DM INTAKE, CATTLE	% OF BODY WT	0.45	2.37	21	6

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, 169 TO 182 DAYS' GROWTH, (2)

REF NO 2-09-794

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.0	100.0		1
ORGANIC MATTER	%	14.4	89.9		1
ASH	%	1.6	10.1		1
CRUDE FIBER	%	5.8	36.2		1
ETHER EXTRACT	%	0.3	2.0		1
NITROGEN FREE EXTRACT	%	7.5	46.6		1
PROTEIN	%	0.8	5.1		1
CATTLE DIG PROT	% *	0.4	2.2		
GOATS DIG PROT	% *	0.2	1.3		
HORSES DIG PROT	% *	0.2	1.8		
RABBITS DIG PROT	% *	0.4	2.6		
SHEEP DIG PROT	% *	0.3	1.7		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.34	2.13		
SHEEP DE	MCAL/KG *	0.39	2.42		
CATTLE ME	MCAL/KG *	0.28	1.75		
SHEEP ME	MCAL/KG *	0.32	1.98		
CATTLE NE-M	MCAL/KG *	0.17	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.21		
CATTLE NE-LACTATION	MCAL/KG *	0.15	0.95		
CATTLE TDN	% *	7.7	48.4		
SHEEP TDN	% *	8.8	54.8		

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-09-904

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.0	100.0		1
ORGANIC MATTER	%	18.4	91.8		
ASH	%	1.6	8.2		2
PROTEIN	%	1.9	9.3		3
CATTLE DIG PROT	% *	1.2	5.8		
GOATS DIG PROT	% *	1.1	5.3		
HORSES DIG PROT	% *	1.1	5.5		
RABBITS DIG PROT	% *	1.2	5.9		
SHEEP DIG PROT	% *	1.1	5.7		
CALCIUM	%	0.04	0.22		2
COBALT	MG/KG	0.094	0.469		2
COPPER	MG/KG	1.0	5.1		2
MANGANESE	MG/KG	36.5	182.3		2
MOLYBDENUM	MG/KG	0.01	0.06		2
PHOSPHORUS	%	0.03	0.13		2

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-209

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.9	100.0	29	7
ORGANIC MATTER	%	17.2	90.9	23	3
ASH	%	1.7	9.2	23	8
CRUDE FIBER	%	6.2	32.6	14	8
ETHER EXTRACT	%	0.3	1.7	47	8
NITROGEN FREE EXTRACT	%	9.0	47.6	14	8
PROTEIN	%	1.7	8.8	43	8
CATTLE DIG PROT	% *	1.0	5.4		
GOATS DIG PROT	% *	0.9	4.8		
HORSES DIG PROT	% *	0.9	5.0		
RABBITS DIG PROT	% *	1.0	5.5		
SHEEP DIG PROT	% *	1.0	5.2		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.46	2.45		
SHEEP DE	MCAL/KG *	0.48	2.55		
CATTLE ME	MCAL/KG *	0.38	2.01		
SHEEP ME	MCAL/KG *	0.39	2.09		
CATTLE NE-M	MCAL/KG *	0.22	1.18		
CATTLE NE-GAIN	MCAL/KG *	0.09	0.50		
CATTLE NE-LACTATION	MCAL/KG *	0.23	1.20		
CATTLE TDN	% *	10.5	55.5		
SHEEP TDN	% *	10.9	57.7		
CALCIUM	%	0.14	0.75	66	7
PHOSPHORUS	%	0.02	0.12	38	7

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-09-404

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.7	100.0		3
ORGANIC MATTER	%	20.9	92.4		
ASH	%	1.7	7.6		1
CRUDE FIBER	%	6.3	27.7		1
PROTEIN	%	1.4	6.0	24	4
CATTLE DIG PROT	% *	0.7	3.0		
GOATS DIG PROT	% *	0.5	2.1		
HORSES DIG PROT	% *	0.6	2.6		
RABBITS DIG PROT	% *	0.7	3.3		
SHEEP DIG PROT	% *	0.6	2.6		
CALCIUM	%	0.07	0.30		1
COBALT	MG/KG	0.088	0.388		1
COPPER	MG/KG	0.6	2.7		1
MANGANESE	MG/KG	39.7	175.2		1
MOLYBDENUM	MG/KG	0.02	0.08		1
PHOSPHORUS	%	0.01	0.06		1

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-09-403

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.9	100.0	17	9
ORGANIC MATTER	%	18.3	91.9	16	6
ASH	%	1.6	8.1	16	6
CRUDE FIBER	%	6.8	34.0	11	7
ETHER EXTRACT	%	0.2	1.2	81	7
NITROGEN FREE EXTRACT	%	9.9	49.7	8	9
PROTEIN	%	1.4	6.9	19	9
CATTLE DIG PROT	% *	0.7	3.8		
GOATS DIG PROT	% *	0.6	3.0		
HORSES DIG PROT	% *	0.7	3.4		
RABBITS DIG PROT	% *	0.8	4.0		
SHEEP DIG PROT	% *	0.7	3.4		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.48	2.40		
SHEEP DE	MCAL/KG *	0.50	2.49		
CATTLE ME	MCAL/KG *	0.39	1.97		
SHEEP ME	MCAL/KG *	0.41	2.04		
CATTLE NE-M	MCAL/KG *	0.23	1.16		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-GAIN	MCAL/KG *	0.09	0.45		
CATTLE NE-LACTATION	MCAL/KG *	0.23	1.16		
CATTLE	TDN % *	10.8	54.4		
SHEEP	TDN % *	11.2	56.5		
CALCIUM	%	0.08	0.42	18	6
PHOSPHORUS	%	0.03	0.17	47	6

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-09-402

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.4	100.0		3
PROTEIN	%	1.8	9.9		3
CATTLE DIG PROT	% *	1.2	6.3		
GOATS DIG PROT	% *	1.1	5.8		
HORSES DIG PROT	% *	1.1	5.9		
RABBITS DIG PROT	% *	1.2	6.3		
SHEEP DIG PROT	% *	1.1	6.2		

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, FULL BLOOM, CUT 1, (2)

REF NO 2-09-914

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.7		
ASH	%		7.3		1
CRUDE FIBER	%		28.2		1
ETHER EXTRACT	%		1.8		1
NITROGEN FREE EXTRACT	%		54.8		1
PROTEIN	%		7.9		1
CATTLE DIG PROT	% *		4.6		
GOATS DIG PROT	% *		4.0		
HORSES DIG PROT	% *		4.3		
RABBITS DIG PROT	% *		4.8		
SHEEP DIG PROT	% *		4.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.67		
SHEEP DE	MCAL/KG *		2.71		
CATTLE ME	MCAL/KG *		2.19		
SHEEP ME	MCAL/KG *		2.22		
CATTLE NE-M	MCAL/KG *		1.30		
CATTLE NE-GAIN	MCAL/KG *		0.68		
CATTLE NE-LACTATION	MCAL/KG *		1.37		
CATTLE	TDN % *		60.6		
SHEEP	TDN % *		61.4		

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-880

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	23.1	92.3		1
ASH	%	1.9	7.7		1
CRUDE FIBER	%	7.9	31.4		1
ETHER EXTRACT	%	0.4	1.4		1
NITROGEN FREE EXTRACT	%	14.2	56.9		1
PROTEIN	%	0.7	2.6		1
CATTLE DIG PROT	% *	0.0	0.1		
GOATS DIG PROT	% *	-0.3	-1.0		
HORSES DIG PROT	% *	-0.1	-0.3		
RABBITS DIG PROT	% *	0.2	0.7		
SHEEP DIG PROT	% *	-0.1	-0.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.35		
CATTLE ME	MCAL/KG *	0.48	1.93		
CATTLE NE-M	MCAL/KG *	0.28	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.41		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.12		
CATTLE	TDN % *	13.3	53.3		
CALCIUM	%	0.16	0.65		1
PHOSPHORUS	%	0.05	0.19		1

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-881

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	14.3	100.0		1
ORGANIC MATTER	%	12.5	87.4		1
ASH	%	1.8	12.6		1
CRUDE FIBER	%	4.9	34.1		1
ETHER EXTRACT	%	0.1	0.9		1
NITROGEN FREE EXTRACT	%	6.5	45.7		1
PROTEIN	%	1.0	6.7		1
CATTLE DIG PROT	% *	0.5	3.6		
GOATS DIG PROT	% *	0.4	2.8		
HORSES DIG PROT	% *	0.5	3.2		
RABBITS DIG PROT	% *	0.5	3.8		
SHEEP DIG PROT	% *	0.5	3.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.36	2.54		
SHEEP DE	MCAL/KG *	0.34	2.35		
CATTLE ME	MCAL/KG *	0.30	2.09		
SHEEP ME	MCAL/KG *	0.28	1.93		
CATTLE NE-M	MCAL/KG *	0.18	1.23		
CATTLE NE-GAIN	MCAL/KG *	0.08	0.58		
CATTLE NE-LACTATION	MCAL/KG *	0.18	1.27		
CATTLE	TDN % *	8.3	57.7		
SHEEP	TDN % *	7.6	53.4		
CALCIUM	%	0.06	0.39		1
PHOSPHORUS	%	0.02	0.17		1

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-09-903

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.0	100.0		1
ORGANIC MATTER	%	18.6	93.0		
ASH	%	1.4	7.0		3
CRUDE FIBER	%	7.4	36.9		3
ETHER EXTRACT	%	0.5	2.6		2
NITROGEN FREE EXTRACT	%	8.7	43.7		2
PROTEIN	%	2.0	9.9	48	4
CATTLE DIG PROT	% *	1.3	6.3		
GOATS DIG PROT	% *	1.2	5.8		
HORSES DIG PROT	% *	1.2	5.9		
RABBITS DIG PROT	% *	1.3	6.3		
SHEEP DIG PROT	% *	1.2	6.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.46	2.30		
SHEEP DE	MCAL/KG *	0.51	2.57		
CATTLE ME	MCAL/KG *	0.38	1.89		
SHEEP ME	MCAL/KG *	0.42	2.11		
CATTLE NE-M	MCAL/KG *	0.22	1.11		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.37		
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.08		
CATTLE	TDN % *	10.4	52.1		
SHEEP	TDN % *	11.7	58.3		
CALCIUM	%	0.11	0.56		3
COBALT	MG/KG	0.018	0.090		2
COPPER	MG/KG	1.7	8.4		3
IRON	%	0.002	0.011		1
MAGNESIUM	%	0.15	0.77		1
MANGANESE	MG/KG	25.3	126.5		3
MOLYBDENUM	MG/KG	0.01	0.07		2
PHOSPHORUS	%	0.05	0.27		3

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-15-443

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CALCIUM	%		0.46		1
COBALT	MG/KG		0.030		1
PHOSPHORUS	%		0.15		1
POTASSIUM	%		1.33		1
ZINC	MG/KG		42.0		1

AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-396

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.9	100.0	15	6
ORGANIC MATTER	%	15.7	87.5		
ASH	%	2.2	12.5	45	6
CRUDE FIBER	%	4.7	26.1	11	6
CATTLE DIG COEF	%	54.	54.	33	6
ETHER EXTRACT	%	0.5	2.7	11	6
NITROGEN FREE EXTRACT	%	8.4	47.0	10	6
CATTLE DIG COEF	%	47.	47.	26	6
PROTEIN	%	2.1	11.8	22	6
CATTLE DIG COEF	%	46.	46.	24	6
CATTLE DIG PROT	%	1.0	5.5		
GOATS DIG PROT	% *	1.4	7.6		
HORSES DIG PROT	% *	1.3	7.5		
RABBITS DIG PROT	% *	1.4	7.8		
SHEEP DIG PROT	% *	1.4	8.0		
ENERGY GE	KCAL/KG	721.	4030.	3	4
CATTLE DE	MCAL/KG *	0.35	1.96		
SHEEP DE	MCAL/KG *	0.48	2.67		
CATTLE ME	MCAL/KG *	0.29	1.61		
SHEEP ME	MCAL/KG *	0.39	2.19		
CATTLE NE-M	MCAL/KG *	0.17	0.97		
CATTLE NE-GAIN	MCAL/KG *	0.01	0.04		
CATTLE NE-LACTATION	MCAL/KG *	0.15	0.82		
CATTLE	TDN %	8.0	44.5	24	6
SHEEP	TDN % *	10.8	60.5		
DM INTAKE, CATTLE	% OF BODY WT	0.43	2.38	19	5

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
AXONOPUS SCOPARIUS IMPERIAL, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, (2)				
REF NO 2-10-208				
DRY MATTER	%	16.7	100.0	1
ORGANIC MATTER	%	15.4	92.1	
ASH	%	1.3	7.9	1
CRUDE FIBER	%	6.3	37.9	1
ETHER EXTRACT	%	0.2	1.1	1
NITROGEN FREE EXTRACT	%	7.7	45.9	1
PROTEIN	%	1.2	7.2	1
CATTLE DIG PROT	% *	0.7	4.0	
GOATS DIG PROT	% *	0.5	3.3	
HORSES DIG PROT	% *	0.6	3.6	
RABBITS DIG PROT	% *	0.7	4.2	
SHEEP DIG PROT	% *	0.6	3.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.40	2.37	
SHEEP DE	MCAL/KG *	0.40	2.41	
CATTLE ME	MCAL/KG *	0.33	1.95	
SHEEP ME	MCAL/KG *	0.33	1.98	
CATTLE NE-M	MCAL/KG *	0.19	1.15	
CATTLE NE-GAIN	MCAL/KG *	0.07	0.43	
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.14	
CATTLE TDN	% *	9.0	53.9	
SHEEP TDN	% *	9.1	54.6	
CALCIUM	%	0.05	0.29	1
PHOSPHORUS	%	0.02	0.10	1
AXONOPUS SCOPARIUS IMPERIAL, LEAVES, FRESH, (2)				
REF NO 2-10-206				
DRY MATTER	%	17.6	100.0	1
ORGANIC MATTER	%	15.8	89.9	
ASH	%	1.8	10.1	1
CRUDE FIBER	%	6.2	35.0	1
ETHER EXTRACT	%	0.2	1.2	1
NITROGEN FREE EXTRACT	%	7.9	44.9	1
PROTEIN	%	1.6	8.9	1
CATTLE DIG PROT	% *	1.0	5.4	
GOATS DIG PROT	% *	0.8	4.8	
HORSES DIG PROT	% *	0.9	5.1	
RABBITS DIG PROT	% *	1.0	5.5	
SHEEP DIG PROT	% *	0.9	5.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.44	2.49	
SHEEP DE	MCAL/KG *	0.43	2.45	
CATTLE ME	MCAL/KG *	0.36	2.04	
SHEEP ME	MCAL/KG *	0.35	2.01	
CATTLE NE-M	MCAL/KG *	0.21	1.20	
CATTLE NE-GAIN	MCAL/KG *	0.09	0.53	
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.23	
CATTLE TDN	% *	9.9	56.5	
SHEEP TDN	% *	9.8	55.5	
CALCIUM	%	0.08	0.45	1
PHOSPHORUS	%	0.02	0.09	1
AXONOPUS SCOPARIUS IMPERIAL, STEMS, FRESH FERTILIZED, (2)				
REF NO 2-10-207				
DRY MATTER	%	19.8	100.0	1
ORGANIC MATTER	%	18.7	94.6	
ASH	%	1.1	5.4	1
CRUDE FIBER	%	8.4	42.2	1
ETHER EXTRACT	%	0.2	0.9	1
NITROGEN FREE EXTRACT	%	9.6	48.6	1
PROTEIN	%	0.6	3.0	1
CATTLE DIG PROT	% *	0.1	0.4	
GOATS DIG PROT	% *	-0.1	-0.6	
HORSES DIG PROT	% *	0.0	0.1	
RABBITS DIG PROT	% *	0.2	1.0	
SHEEP DIG PROT	% *	-0.0	-0.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.40	2.02	
SHEEP DE	MCAL/KG *	0.45	2.29	
CATTLE ME	MCAL/KG *	0.33	1.66	
SHEEP ME	MCAL/KG *	0.37	1.88	
CATTLE NE-M	MCAL/KG *	0.20	0.99	
CATTLE NE-GAIN	MCAL/KG *	0.02	0.10	
CATTLE NE-LACTATION	MCAL/KG *	0.17	0.86	
CATTLE TDN	% *	9.1	45.8	
SHEEP TDN	% *	10.3	51.9	
CALCIUM	%	0.03	0.13	1
PHOSPHORUS	%	0.02	0.10	1
AXONOPUS SCOPARIUS, PENNISETUM PURPUREUM, CARPETGRASS, IMPERIAL-NAPIERGRASS				

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
AXONOPUS SCOPARIUS, PENNISETUM PURPUREUM, AERIAL PART, ENSILED, (3)				
REF NO 3-09-411				
DRY MATTER	%	20.5	100.0	1
ORGANIC MATTER	%	17.7	86.3	1
ASH	%	2.8	13.7	1
CRUDE FIBER	%	7.4	36.1	1
ETHER EXTRACT	%	0.5	2.5	1
NITROGEN FREE EXTRACT	%	8.6	41.8	1
PROTEIN	%	1.2	5.9	1
CATTLE DIG PROT	% *	0.3	1.6	
GOATS DIG PROT	% *	0.3	1.6	
HORSES DIG PROT	% *	0.3	1.6	
SHEEP DIG PROT	% *	0.3	1.6	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.47	2.29	
CATTLE ME	MCAL/KG *	0.38	1.88	
CATTLE NE-M	MCAL/KG *	0.23	1.11	
CATTLE NE-GAIN	MCAL/KG *	0.07	0.35	
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.07	
CATTLE TDN	% *	10.6	51.9	
AXONOPUS SPP, CARPETGRASS				
AXONOPUS SPP, HAY, S-C, (1)				
REF NO 1-01-138				
DRY MATTER	%	91.9	100.0	3
ORGANIC MATTER	%	77.6	84.4	
ASH	%	14.3	15.6	3
CRUDE FIBER	%	27.7	30.1	3
ETHER EXTRACT	%	0.8	0.8	3
NITROGEN FREE EXTRACT	%	44.7	48.6	
PROTEIN	%	4.4	4.8	3
CATTLE DIG PROT	% *	1.0	1.1	
GOATS DIG PROT	% *	1.0	1.1	
HORSES DIG PROT	% *	1.5	1.6	
RABBITS DIG PROT	% *	2.2	2.4	
SHEEP DIG PROT	% *	0.8	0.9	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.81	1.97	
HORSES DE	MCAL/KG *	1.31	1.42	
SHEEP DE	MCAL/KG *	1.89	2.05	
CATTLE ME	MCAL/KG *	1.48	1.62	
HORSES ME	MCAL/KG *	1.07	1.16	
SHEEP ME	MCAL/KG *	1.55	1.68	
CATTLE NE-M	MCAL/KG *	0.89	0.97	
CATTLE NE-GAIN	MCAL/KG *	0.04	0.04	
CATTLE NE-LACTATION	MCAL/KG *	0.76	0.82	
CATTLE TDN	% *	41.1	44.7	
HORSES TDN	% *	31.4	34.2	
SHEEP TDN	% *	42.8	46.5	
CALCIUM	%	0.27	0.29	3
PHOSPHORUS	%	0.12	0.13	3
AXONOPUS SPP, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-17-527				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.6	
ASH	%		5.4	1
CRUDE FIBER	%		46.0	1
ETHER EXTRACT	%		1.4	1
NITROGEN FREE EXTRACT	%		42.7	1
PROTEIN	%		4.5	1
CATTLE DIG PROT	% *		1.7	
GOATS DIG PROT	% *		0.8	
HORSES DIG PROT	% *		1.4	
RABBITS DIG PROT	% *		2.1	
SHEEP DIG PROT	% *		1.2	
BACTRIS SPP, SPINYCLUBPALM				
BACTRIS SPP, FRUIT, (1)				
REF NO 1-09-632				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		97.9	
ASH	%		2.1	1
CRUDE FIBER	%		28.0	1
ETHER EXTRACT	%		16.6	1
NITROGEN FREE EXTRACT	%		48.1	1
PROTEIN	%		5.1	1
CATTLE DIG PROT	% *		1.4	
GOATS DIG PROT	% *		1.3	
HORSES DIG PROT	% *		1.9	
RABBITS DIG PROT	% *		2.6	
SHEEP DIG PROT	% *		1.8	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BAMBUSA VENTRICUSA, BAMBOO, BUDDHA					
BAMBUSA VENTRICOSA BUDDHA, LEAVES, DEHY, (1)					
REF NO 1-10-582					
DRY MATTER		%	93.4	100.0	1
ORGANIC MATTER		%	73.7	78.9	1
ASH		%	19.7	21.1	1
CRUDE FIBER		%	24.4	26.1	1
ETHER EXTRACT		%	2.3	2.5	1
NITROGEN FREE EXTRACT		%	37.3	39.9	1
PROTEIN		%	9.7	10.4	1
CATTLE	DIG PROT	% *	5.5	5.9	
GOATS	DIG PROT	% *	5.8	6.2	
HORSES	DIG PROT	% *	5.9	6.3	
RABBITS	DIG PROT	% *	6.2	6.7	
SHEEP	DIG PROT	% *	5.5	5.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.03	2.17	
HORSES	DE	MCAL/KG *	1.88	2.02	
SHEEP	DE	MCAL/KG *	1.97	2.11	
CATTLE	ME	MCAL/KG *	1.66	1.78	
HORSES	ME	MCAL/KG *	1.54	1.65	
SHEEP	ME	MCAL/KG *	1.62	1.73	
CATTLE	NE-M	MCAL/KG *	0.99	1.05	
CATTLE	NE-GAIN	MCAL/KG *	0.23	0.25	
CATTLE	NE-LACTATION	MCAL/KG *	0.92	0.98	
CATTLE		TDN % *	46.0	49.3	
HORSES		TDN % *	47.2	50.5	
SHEEP		TDN % *	44.7	47.9	
CALCIUM		%	0.20	0.21	1
IRON		%	0.008	0.009	1
PHOSPHORUS		%	0.09	0.10	1
NIACIN		MG/KG	31.0	33.2	1
RIBOFLAVIN		MG/KG	6.50	6.95	1
THIAMINE		MG/KG	1.60	1.71	1
VITAMIN A EQUIV		IU/G	143.5	153.7	
BAMBUSA VULGARIS, BAMBOO, COMMON					
BAMBUSA VULGARIS COMMON, LEAVES, DEHY, (1)					
REF NO 1-10-444					
DRY MATTER		%	91.9	100.0	2
ORGANIC MATTER		%	70.5	76.7	1
ASH		%	20.9	22.7	2
CRUDE FIBER		%	22.3	24.3	2
ETHER EXTRACT		%	2.5	2.7	2
NITROGEN FREE EXTRACT		%	36.2	39.4	2
PROTEIN		%	10.0	10.8	2
CATTLE	DIG PROT	% *	5.8	6.3	
GOATS	DIG PROT	% *	6.1	6.7	
HORSES	DIG PROT	% *	6.2	6.7	
RABBITS	DIG PROT	% *	6.5	7.0	
SHEEP	DIG PROT	% *	5.8	6.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.03	2.21	
HORSES	DE	MCAL/KG *	1.88	2.05	
SHEEP	DE	MCAL/KG *	1.94	2.12	
CATTLE	ME	MCAL/KG *	1.67	1.81	
HORSES	ME	MCAL/KG *	1.54	1.68	
SHEEP	ME	MCAL/KG *	1.59	1.74	
CATTLE	NE-M	MCAL/KG *	0.99	1.07	
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.28	
CATTLE	NE-LACTATION	MCAL/KG *	0.93	1.01	
CATTLE		TDN % *	46.1	50.2	
HORSES		TDN % *	47.2	51.4	
SHEEP		TDN % *	44.1	48.0	
CALCIUM		%	0.19	0.21	1
IRON		%	0.012	0.013	2
PHOSPHORUS		%	0.09	0.10	1
NIACIN		MG/KG	25.5	27.8	1
RIBOFLAVIN		MG/KG			
THIAMINE		MG/KG			
VITAMIN A EQUIV		IU/G	190.0	206.8	
BARLEY BREWERS DRIED GRAINS =SEE HORDEUM VULGARE, BREWERS GRAINS, DEHY, (5)					
BARLEY DISTILLERS DRIED GRAINS (AAFCO) =SEE HORDEUM VULGARE, DISTILLERS GRAINS, DEHY, (5)					
BARLEY DISTILLERS DRIED SOLUBLES (AAFCO) =SEE HORDEUM VULGARE, DISTILLERS SOLUBLES, DEHY, (5)					
BARLEY MILL BY-PRODUCT (AAFCO) =SEE HORDEUM VULGARE, FLOUR BY-PRODUCT MILL RUN, (4)					
BARLEY MIXED FEED (CFA) =SEE HORDEUM VULGARE, FLOUR BY-PRODUCT MILL RUN, (4)					
BAUHINIA FORFICATA, BAUHINIA, BELL					
BAUHINIA FORFICATA BELL, AERIAL PART, FRESH, (2)					
REF NO 2-11-326					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		96.6	
ASH		%		3.4	1
CRUDE FIBER		%		62.9	1
ETHER EXTRACT		%		1.2	1
NITROGEN FREE EXTRACT		%		16.2	1
PROTEIN		%		16.3	1
CATTLE	DIG PROT	% *		11.7	
GOATS	DIG PROT	% *		11.8	
HORSES	DIG PROT	% *		11.4	
RABBITS	DIG PROT	% *		11.3	
SHEEP	DIG PROT	% *		12.2	
BAUHINIA MACROSTACHYA					
BAUHINIA MACROSTACHYA MACROSTACHYA, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-13-882					
DRY MATTER		%	36.8	100.0	1
ORGANIC MATTER		%	34.6	93.9	1
ASH		%	2.2	6.1	1
CRUDE FIBER		%	11.6	31.6	1
ETHER EXTRACT		%	0.8	2.3	1
NITROGEN FREE EXTRACT		%	15.2	41.2	1
PROTEIN		%	6.9	18.8	1
CATTLE	DIG PROT	% *	5.1	13.9	
GOATS	DIG PROT	% *	5.2	14.1	
HORSES	DIG PROT	% *	5.0	13.5	
RABBITS	DIG PROT	% *	4.9	13.2	
SHEEP	DIG PROT	% *	5.3	14.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.03	2.80	
SHEEP	DE	MCAL/KG *	1.03	2.79	
CATTLE	ME	MCAL/KG *	0.84	2.30	
SHEEP	ME	MCAL/KG *	0.84	2.29	
CATTLE	NE-M	MCAL/KG *	0.50	1.37	
CATTLE	NE-GAIN	MCAL/KG *	0.29	0.78	
CATTLE	NE-LACTATION	MCAL/KG *	0.54	1.47	
CATTLE		TDN % *	23.4	63.5	
SHEEP		TDN % *	23.3	63.3	
CALCIUM		%	0.28	0.77	1
PHOSPHORUS		%	0.05	0.13	1
BAUHINIA SPP, BAUHINIA					
BAUHINIA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-883					
DRY MATTER		%	13.0	100.0	1
ORGANIC MATTER		%	12.2	94.0	1
ASH		%	0.8	6.0	1
CRUDE FIBER		%	2.9	22.5	1
ETHER EXTRACT		%	0.5	4.1	1
NITROGEN FREE EXTRACT		%	7.0	53.9	1
PROTEIN		%	1.8	13.5	1
CATTLE	DIG PROT	% *	1.2	9.4	
GOATS	DIG PROT	% *	1.2	9.2	
HORSES	DIG PROT	% *	1.2	9.0	
RABBITS	DIG PROT	% *	1.2	9.1	
SHEEP	DIG PROT	% *	1.2	9.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.52	3.97	
SHEEP	DE	MCAL/KG *	0.39	2.98	
CATTLE	ME	MCAL/KG *	0.42	3.25	
SHEEP	ME	MCAL/KG *	0.32	2.44	
CATTLE	NE-M	MCAL/KG *	0.29	2.23	
CATTLE	NE-GAIN	MCAL/KG *	0.19	1.46	
CATTLE	NE-LACTATION	MCAL/KG *	0.31	2.38	
CATTLE		TDN % *	11.7	90.0	
SHEEP		TDN % *	8.8	67.8	
CALCIUM		%	0.24	1.82	1

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%	0.02	0.17		1

BEEF SCRAP
=SEE BOS SPP, CARCASS RESIDUE, DRY RENDERED DEHY GRND, (5)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.3	100.0		1
ORGANIC MATTER		%	83.9	94.0		
ASH		%	5.4	6.0		
CRUDE FIBER		%	9.5	10.6		1
ETHER EXTRACT		%	31.3	35.1		1
NITROGEN FREE EXTRACT		%	27.8	31.1		1
PROTEIN		%	15.2	17.0		1
CATTLE	DIG PROT % *		10.4	11.6		
GOATS	DIG PROT % *		11.5	12.8		
HORSES	DIG PROT % *		11.5	12.8		
SHEEP	DIG PROT % *		11.5	12.8		
ENERGY	GE KCAL/KG					
SWINE	DE KCAL/KG *		4702.	5265.		
SWINE	ME KCAL/KG *		4352.	4873.		
SWINE	TDN % *		106.6	119.4		

BEET MOLASSES (AAFCO)
=SEE BETA SACCHARIFERA SUGAR, MOLASSES, MN 48% INVERT SUGAR MN 79.5 DEGREES BRIX, (4)

BERTHOLLETIA EXCELSA, BRAZILNUT

BERTHOLLETIA EXCELSA, KERNELS W HULLS, GRND, (4)

REF NO 4-09-709

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.3	100.0		1
ORGANIC MATTER		%	83.9	94.0		
ASH		%	5.4	6.0		
CRUDE FIBER		%	9.5	10.6		1
ETHER EXTRACT		%	31.3	35.1		1
NITROGEN FREE EXTRACT		%	27.8	31.1		1
PROTEIN		%	15.2	17.0		1
CATTLE	DIG PROT % *		10.4	11.6		
GOATS	DIG PROT % *		11.5	12.8		
HORSES	DIG PROT % *		11.5	12.8		
SHEEP	DIG PROT % *		11.5	12.8		
ENERGY	GE KCAL/KG					
SWINE	DE KCAL/KG *		4702.	5265.		
SWINE	ME KCAL/KG *		4352.	4873.		
SWINE	TDN % *		106.6	119.4		

BERTHOLLETIA EXCELSA, MEATS, (4)

REF NO 4-00-875

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.0	100.0		1
CRUDE FIBER		%	5.4	5.9		1
ETHER EXTRACT		%	24.6	27.0		1
PROTEIN		%	35.7	39.2		1
CATTLE	DIG PROT % *		29.2	32.0		
GOATS	DIG PROT % *		30.2	33.2		
HORSES	DIG PROT % *		30.2	33.2		
SHEEP	DIG PROT % *		30.2	33.2		

BERTHOLLETIA EXCELSA, MEATS, MECH EXTD GRND CAKED, (5)

REF NO 5-11-786

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.0	100.0		1
ORGANIC MATTER		%	77.5	88.1		1
ASH		%	10.5	11.9		1
CRUDE FIBER		%	7.1	8.1		1
ETHER EXTRACT		%	2.3	2.6		1
NITROGEN FREE EXTRACT		%	17.2	19.5		1
PROTEIN		%	50.9	57.8		1
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		2.46	2.80		
SHEEP	DE KCAL/KG *		2.77	3.15		
CATTLE	ME KCAL/KG *		2.02	2.30		
SHEEP	ME KCAL/KG *		2.27	2.58		
CATTLE	ME=M KCAL/KG *		1.21	1.37		
CATTLE	ME=GAIN KCAL/KG *		0.68	0.78		
CATTLE	ME=LACTATION KCAL/KG *		1.29	1.47		
CATTLE	TDN % *		55.9	63.5		
SHEEP	TDN % *		(62.8)	(71.4)		

BETA SACCHARIFERA, BEET, SUGAR

BETA SACCHARIFERA SUGAR, AERIAL PART W CROWNS, FRESH, (2)

REF NO 2-00-649

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(17.0)	(100.0)	11	7
ORGANIC MATTER		%	13.6	80.1		
ASH		%	3.4	19.9	20	4
SHEEP	DIG COEF %		16.	16.		
CRUDE FIBER		%	1.9	11.0	3	4
SHEEP	DIG COEF %		80.	80.		2
ETHER EXTRACT		%	0.4	2.3	53	4
SHEEP	DIG COEF %		58.	58.		2
NITROGEN FREE EXTRACT		%	8.7	51.3	7	4
SHEEP	DIG COEF %		87.	87.		2
PROTEIN		%	2.7	15.6	4	4
SHEEP	DIG COEF %		80.	80.		2
CATTLE	DIG PROT % *		1.9	11.2		
GOATS	DIG PROT % *		1.9	11.1		
HORSES	DIG PROT % *		1.8	10.8		
RABBITS	DIG PROT % *		1.8	10.7		
SHEEP	DIG PROT %		2.1	12.4		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		0.46	2.69		
SHEEP	DE KCAL/KG *		0.51	3.03		
CATTLE	ME KCAL/KG *		0.37	2.20		
SHEEP	ME KCAL/KG *		0.42	2.48		
CATTLE	ME=M KCAL/KG *		0.22	1.31		
CATTLE	ME=GAIN KCAL/KG *		0.12	0.69		
CATTLE	ME=LACTATION KCAL/KG *		0.24	1.38		
CATTLE	TDN % *		10.4	61.0		
SHEEP	TDN %		(11.7)	(68.7)		2
CALCIUM		%	(0.17)	(1.01)		1
CHLORINE		%	(0.09)	(0.56)		2
COPPER		MG/KG	(2.3)	(13.6)		1
IRON		%	(0.003)	(0.017)		1
MAGNESIUM		%	(0.18)	(1.07)		1
MANGANESE		MG/KG	(9.3)	(54.5)		1
PHOSPHORUS		%	(0.04)	(0.22)		1
POTASSIUM		%	(0.98)	(5.79)		1
SODIUM		%	(0.09)	(0.54)		2
SULPHUR		%	(0.10)	(0.57)		2
RIBOFLAVIN		MG/KG	0.5	3.0		1
VITAMIN A EQUIV		IU/G	4.5	26.3		

BETA SACCHARIFERA SUGAR, AERIAL PART W PULP, ENSILED, (3)

REF NO 3-00-663

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.9	100.0		1
ORGANIC MATTER		%	(83.0)	(92.3)		1
ASH		%	(6.9)	(7.7)		1
CRUDE FIBER		%	(33.2)	(36.9)		1
ETHER EXTRACT		%	(2.3)	(2.6)		1
NITROGEN FREE EXTRACT		%	(39.9)	(44.4)		1
PROTEIN		%	(7.6)	(8.5)		1
CATTLE	DIG PROT % *		(3.5)	(3.9)		
GOATS	DIG PROT % *		(3.5)	(3.9)		
HORSES	DIG PROT % *		(3.5)	(3.9)		
SHEEP	DIG PROT % *		(3.5)	(3.9)		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		(2.15)	(2.39)		
SHEEP	DE KCAL/KG *		(2.24)	(2.49)		
CATTLE	ME KCAL/KG *		(1.76)	(1.96)		
SHEEP	ME KCAL/KG *		(1.83)	(2.04)		
CATTLE	ME=M KCAL/KG *		(1.04)	(1.16)		
CATTLE	ME=GAIN KCAL/KG *		(0.40)	(0.45)		
CATTLE	ME=LACTATION KCAL/KG *		(1.04)	(1.15)		
CATTLE	TDN % *		(48.8)	(54.3)		
SHEEP	TDN % *		50.7	56.4		
CALCIUM		%	0.94	1.05		1
IRON		%	0.010	0.011		1
PHOSPHORUS		%	(0.11)	(0.12)		1

BETA SACCHARIFERA SUGAR, MOLASSES, MN 48% INVERT SUGAR MN 79.5 DEGREES BRIX, (4)
MOLASSES (CFA)
BEET MOLASSES (AAFCO)

REF NO 4-00-668

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(79.1)	(100.0)	5	11
ORGANIC MATTER		%	(69.5)	(87.8)		
ASH		%	(9.6)	(12.2)	11	7
ETHER EXTRACT		%	(0.2)	(0.3)		2
NITROGEN FREE EXTRACT		%	(63.0)	(79.7)	2	7
SHEEP	DIG COEF % *		(91.)	(91.)		
PROTEIN		%	(6.1)	(7.7)	37	10
SHEEP	DIG COEF %		(52.)	(52.)		1
CATTLE	DIG PROT % *		(2.5)	(3.1)		
GOATS	DIG PROT % *		(3.4)	(4.3)		
HORSES	DIG PROT % *		(3.4)	(4.3)		
SHEEP	DIG PROT %		(3.2)	(4.0)		
ENERGY	GE KCAL/KG					
SHEEP	DE KCAL/KG *		(2.63)	(3.33)		
CHICKENS	ME=M KCAL/KG		(1990.)	(2515.)		3
SHEEP	ME KCAL/KG *		(2.16)	(2.73)		
CHICKENS	PRODUCTIVE KCAL/KG		(1572.)	(1987.)		2
SHEEP	TDN % *		(59.8)	(75.5)		
CALCIUM		%	(0.13)	(0.17)	35	8
CHLORINE		%	(1.30)	(1.64)		3
COBALT		MG/KG	(0.389)	(0.492)		1
COPPER		MG/KG	(17.8)	(22.4)		3
IODINE		MG/KG	(1.407)	(1.778)		1
IRON		%	(0.007)	(0.008)		3
MAGNESIUM		%	(0.23)	(0.29)		3
MANGANESE		MG/KG	(4.8)	(6.0)	5	4
PHOSPHORUS		%	(0.06)	(0.08)	98	8
CHICKENS, CHICKS AVAILABLE		%	(0.11)	(0.14)		2
POTASSIUM		%	(4.84)	(6.11)	2	4
SODIUM		%	(0.94)	(1.18)	52	4
SULPHUR		%	(0.48)	(0.61)		2
CHOLINE		MG/KG	(892.)	(1127.)		4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
NIACIN		MG/KG	(42.3)	(54.7)	6	6
ANTOTHENIC ACID		MG/KG	(4.2)	(5.4)	24	6
RIBOFLAVIN		MG/KG	(2.4)	(3.0)	3	6

BETA SACCHARIFERA SUGAR, PULP, DEHY, (4)
DRIED BEET PULP (CFA)
DRIED BEET PULP (AAFCO)

REF NO 4-00-669

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(90.7)	(100.0)	2	20
ORGANIC MATTER		%	(86.1)	(94.9)		
ASH		%	(4.6)	(5.1)	26	14
SHEEP	DIG COEF	%	(20.)	(20.)		
CRUDE FIBER		%	(18.2)	(20.1)	12	16
CATTLE	DIG COEF	%	(69.)	(69.)		1
HORSES	DIG COEF	%	(79.)	(79.)		1
SHEEP	DIG COEF	%	(79.)	(79.)		2
SWINE	DIG COEF	%	(83.)	(83.)		1
ETHER EXTRACT		%	(0.5)	(0.6)	41	11
HORSES	DIG COEF	%	(34.)	(34.)		1
NITROGEN FREE EXTRACT		%	(58.6)	(64.6)	1	11
CATTLE	DIG COEF	%	(86.)	(86.)		1
HORSES	DIG COEF	%	(91.)	(91.)		1
SHEEP	DIG COEF	%	(86.)	(86.)		2
SWINE	DIG COEF	%	(89.)	(89.)		1
PROTEIN		%	(8.7)	(9.6)	7	13
CATTLE	DIG COEF	%	(45.)	(45.)		1
HORSES	DIG COEF	%	(69.)	(69.)		1
SHEEP	DIG COEF	%	(54.)	(54.)		2
SWINE	DIG COEF	%	(41.)	(41.)		1
CATTLE	DIG PROT	%	(3.9)	(4.3)		
GOATS	DIG PROT	% *	(5.5)	(6.1)		
HORSES	DIG PROT	%	(6.0)	(6.6)		
SHEEP	DIG PROT	%	(4.7)	(5.2)		
SWINE	DIG PROT	%	(3.6)	(3.9)		
PECTINS		%	(11.0)	(12.1)		1
PENTOSANS		%	(24.0)	(26.4)		1
LIGNIN (ELLIS)		%	(5.0)	(5.5)		2
ENERGY	GE KCAL/KG		(2794.)	(3079.)		2
CATTLE	DE MCAL/KG	*	(2.88)	(3.17)		
SHEEP	DE MCAL/KG	*	(2.92)	(3.22)		
SWINE	DE KCAL/KG	*	(2924.)	(3223.)		
CATTLE	ME MCAL/KG	*	(2.36)	(2.60)		
CHICKENS	ME-N KCAL/KG		(636.)	(701.)		2
SHEEP	ME MCAL/KG	*	(2.40)	(2.64)		
SWINE	ME KCAL/KG		(2343.)	(2583.)		1
CATTLE	NE-M MCAL/KG	*	(1.45)	(1.60)		
CATTLE	NE-GAIN MCAL/KG	*	(0.94)	(1.03)		
CATTLE	NE-LACTATION MCAL/KG	*	(1.60)	(1.76)		
CHICKENS	PRODUCTIVE KCAL/KG		(449.)	(495.)		2
CATTLE	TDN	%	(65.3)	(72.0)		1
HORSES	TDN	%	(74.2)	(81.8)		1
SHEEP	TDN	%	(66.3)	(73.1)		2
SWINE	TDN	%	(66.3)	(73.1)		2
CALCIUM		%	(0.67)	(0.74)	4	7
CHLORINE		%	(0.04)	(0.04)		2
COBALT		MG/KG	(0.101)	(0.112)		1
COPPER		MG/KG	(12.5)	(13.8)		3
IRON		%	(0.030)	(0.033)		3
MAGNESIUM		%	(0.27)	(0.30)		3
MANGANESE		MG/KG	(32.0)	(35.3)	18	4
PHOSPHORUS		%	(0.09)	(0.10)	13	9
CHICKENS, CHICKS AVAILABLE		%	(0.03)	(0.03)		1
POTASSIUM		%	0.16	0.18		3
SILICON		%	(0.17)	(0.19)		1
SODIUM		%	(0.22)	(0.24)		3
SULPHUR		%	(0.20)	(0.22)		2
ZINC		MG/KG	(0.7)	(0.7)		2
CHOLINE		MG/KG	(820.)	(904.)	1	5
NIACIN		MG/KG	(16.9)	(18.7)	9	5
PANTOTHENIC ACID		MG/KG	(1.4)	(1.5)	23	5
RIBOFLAVIN		MG/KG	(0.8)	(0.8)	25	5
THIAMINE		MG/KG	(0.4)	(0.4)		3
VITAMIN A EQUIV		IU/G	(0.4)	(0.4)		
VITAMIN D2		IU/KG	(1.)	(1.)		1
ARGININE		%	(0.30)	(0.33)		5
CYSTINE		%	(0.01)	(0.01)		2
HISTIDINE		%	(0.20)	(0.22)		3
ISOLEUCINE		%	(0.30)	(0.33)		3
LEUCINE		%	(0.60)	(0.66)		2
LYSINE		%	(0.64)	(0.70)	8	5
METHIONINE		%	(0.01)	(0.01)		3
PHENYLALANINE		%	(0.30)	(0.33)		3
THREONINE		%	(0.40)	(0.44)		3
TRYPTOPHAN		%	(0.10)	(0.11)	5	5
TYROSINE		%	(0.40)	(0.44)		2
VALINE		%	(0.40)	(0.44)		3

BETA SACCHARIFERA SUGAR, PULP W MOLASSES, DEHY, (4)

REF NO 4-00-672

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(92.2)	(100.0)	2	10
ORGANIC MATTER		%	88.4	93.8		
ASH		%	5.7	6.2	6	8
SHEEP	DIG COEF	%	15.	15.		
CRUDE FIBER		%	13.7	14.9	33	9
CATTLE	DIG COEF	%	86.	86.		1
SHEEP	DIG COEF	%	78.	78.		1
SWINE	DIG COEF	%	84.	84.		1
ETHER EXTRACT		%	0.6	0.6	38	7
CATTLE	DIG COEF	%	9.	9.		1
NITROGEN FREE EXTRACT		%	63.0	68.3	7	9
CATTLE	DIG COEF	%	79.	79.		1
SHEEP	DIG COEF	%	91.	91.		1
SWINE	DIG COEF	%	89.	89.		1
PROTEIN		%	9.2	9.9	5	9
CATTLE	DIG COEF	%	66.	66.		1
SHEEP	DIG COEF	%	66.	66.		1
SWINE	DIG COEF	%	25.	25.		1
CATTLE	DIG PROT	%	6.0	6.6		
GOATS	DIG PROT	% *	5.8	6.3		
HORSES	DIG PROT	% *	5.8	6.3		
SHEEP	DIG PROT	%	6.0	6.6		
SWINE	DIG PROT	%	2.3	2.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.99	3.24		
SHEEP	DE MCAL/KG	*	3.19	3.46		
SWINE	DE KCAL/KG	*	3080.	3342.		
CATTLE	ME MCAL/KG	*	2.45	2.66		
CHICKENS	ME-N KCAL/KG		659.	715.		1
SHEEP	ME MCAL/KG	*	2.61	2.83		
SWINE	ME KCAL/KG	*	2895.	3141.		
CATTLE	NE-M MCAL/KG	*	1.52	1.65		
CATTLE	NE-GAIN MCAL/KG	*	0.99	1.07		
CATTLE	NE-LACTATION MCAL/KG	*	(1.67)	(1.81)		
CHICKENS	PRODUCTIVE KCAL/KG		484.	525.		1
CATTLE	TDN	%	67.7	73.5		1
SHEEP	TDN	%	72.3	78.4		1
SWINE	TDN	%	(69.9)	(75.8)		1
CALCIUM		%	(0.56)	(0.61)		6
MAGNESIUM		%	(0.15)	(0.16)		2
PHOSPHORUS		%	(0.08)	(0.09)	5	6
CHICKENS, CHICKS AVAILABLE		%	(0.02)	(0.02)		1
POTASSIUM		%	(1.64)	(1.78)		2
SULPHUR		%	(0.39)	(0.42)		2
CHOLINE		MG/KG	(826.)	(897.)		2
NIACIN		MG/KG	(16.3)	(17.7)		2
PANTOTHENIC ACID		MG/KG	(1.5)	(1.7)		2
RIBOFLAVIN		MG/KG	0.7	0.7		2
VITAMIN A EQUIV		IU/G	(0.4)	(0.4)		

BETA SPP, BEET, MANGELS

BETA SPP MANGELS, ROOTS, FRESH, (2)
MANGEL, ROOTS

REF NO 2-00-637

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(13.2)	(100.0)	53	8
ORGANIC MATTER		%	(11.9)	(90.3)		
ASH		%	(1.3)	(9.7)	12	7
SHEEP	DIG COEF	%	(8.)	(8.)		
CRUDE FIBER		%	(1.0)	(7.5)	11	7
CATTLE	DIG COEF	%	(59.)	(59.)		2
SHEEP	DIG COEF	%	(79.)	(79.)		2
SWINE	DIG COEF	%	(64.)	(64.)		2
ETHER EXTRACT		%	(0.1)	(0.7)		2
SHEEP	DIG COEF	%	(50.)	(50.)		1
NITROGEN FREE EXTRACT		%	(9.4)	(70.9)	5	7
CATTLE	DIG COEF	%	(95.)	(95.)		2
SHEEP	DIG COEF	%	(97.)	(97.)		2
SWINE	DIG COEF	%	(94.)	(94.)		2
PROTEIN		%	(1.5)	(11.3)	24	7
CATTLE	DIG COEF	%	(70.)	(70.)		2
SHEEP	DIG COEF	%	(69.)	(69.)		2
SWINE	DIG COEF	%	(67.)	(67.)		2
CATTLE	DIG PROT	%	(1.0)	(7.9)		
GOATS	DIG PROT	% *	(0.9)	(7.1)		
HORSES	DIG PROT	% *	(0.9)	(7.1)		
RABBITS	DIG PROT	% *	(1.0)	(7.4)		
SHEEP	DIG PROT	%	(1.0)	(7.7)		
SWINE	DIG PROT	%	(1.0)	(7.5)		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	(0.45)	(3.43)		
SHEEP	DE MCAL/KG	*	(0.48)	(3.65)		
SWINE	DE KCAL/KG	*	(461.)	(3488.)		
CATTLE	ME MCAL/KG	*	(0.37)	(2.81)		
SHEEP	ME MCAL/KG	*	(0.40)	(2.99)		
SWINE	ME KCAL/KG	*	(432.)	(3269.)		
CATTLE	NE-M MCAL/KG	*	(0.24)	(1.78)		
CATTLE	NE-GAIN MCAL/KG	*	(0.16)	(1.18)		
CATTLE	NE-LACTATION MCAL/KG	*	(0.26)	(1.96)		
CATTLE	TDN	%	(10.3)	(77.8)		2

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	TDN %	(11.0)	(82.8)		2
SWINE	TDN %	(10.5)	(79.1)		2
CALCIUM	%	(0.03)	(0.22)		1
CHLORINE	%	(0.19)	(1.41)		1
IRON	%	(0.003)	(0.022)		1
MAGNESIUM	%	(0.03)	(0.22)		1
PHOSPHORUS	%	(0.03)	(0.22)		1
POTASSIUM	%	(0.30)	(2.28)		1
SODIUM	%	(0.10)	(0.76)		1
SULPHUR	%	0.03	0.22		1

BETA VULGARIS, BEET, COMMON

BETA VULGARIS COMMON, AERIAL PART W CROWNS, S-C, (1)

REF NO 1-13-785

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.0		
ASH	%		4.0	30	6
CRUDE FIBER	%		21.1	20	6
ETHER EXTRACT	%		0.8	27	6
NITROGEN FREE EXTRACT	%		64.7	4	6
PROTEIN	%		9.4	14	6
CATTLE DIG PROT	% *		5.1		
GOATS DIG PROT	% *		5.3		
HORSES DIG PROT	% *		5.5		
RABBITS DIG PROT	% *		5.9		
SHEEP DIG PROT	% *		5.0		
ENERGY GE	KCAL/KG		4431.		2
CATTLE DE	MCAL/KG *		2.31		
SHEEP DE	MCAL/KG *		2.52		
CATTLE ME	MCAL/KG *		1.89		
SHEEP ME	MCAL/KG *		2.07		
CATTLE NE-M	MCAL/KG *		1.12		
CATTLE NE-GAIN	MCAL/KG *		0.38		
CATTLE NE-LACTATION	MCAL/KG *		1.09		
CATTLE TDN	% *		52.4		
SHEEP TDN	% *		57.2		
CALCIUM	%		0.44		2
PHOSPHORUS	%		0.08		2

BETA VULGARIS COMMON, AERIAL PART, FRESH, (2)

REF NO 2-00-631

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	10.9	100.0		2
ORGANIC MATTER	%	(8.3)	(76.5)		
ASH	%	(2.6)	(23.5)		3
CRUDE FIBER	%	(1.3)	(11.8)		3
ETHER EXTRACT	%	(0.4)	(4.0)		3
NITROGEN FREE EXTRACT	%	(4.4)	(41.0)		3
PROTEIN	%	(2.1)	(19.7)		3
CATTLE DIG PROT	% *	(1.6)	(14.6)		
GOATS DIG PROT	% *	(1.6)	(14.9)		
HORSES DIG PROT	% *	(1.5)	(14.2)		
RABBITS DIG PROT	% *	(1.5)	(13.8)		
SHEEP DIG PROT	% *	(1.7)	(15.3)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(0.23)	(2.10)		
SHEEP DE	MCAL/KG *	(0.30)	(2.74)		
CATTLE ME	MCAL/KG *	(0.19)	(1.72)		
SHEEP ME	MCAL/KG *	(0.24)	(2.24)		
CATTLE NE-M	MCAL/KG *	(0.11)	(1.02)		
CATTLE NE-GAIN	MCAL/KG *	(0.02)	(0.18)		
CATTLE NE-LACTATION	MCAL/KG *	(0.10)	(0.93)		
CATTLE TDN	% *	(5.2)	(47.7)		
SHEEP TDN	% *	6.7	62.1		
CALCIUM	%	0.30	2.78		2
PHOSPHORUS	%	0.13	1.18		2

BETA VULGARIS COMMON, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-13-685

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	9.4	100.0		1
ORGANIC MATTER	%	7.2	76.7		
ASH	%	2.2	23.3		1
CRUDE FIBER	%	1.5	15.8		1
ETHER EXTRACT	%	0.1	0.6		1
NITROGEN FREE EXTRACT	%	4.1	43.7		1
PROTEIN	%	1.6	16.6		1
CATTLE DIG PROT	% *	1.1	12.0		
GOATS DIG PROT	% *	1.1	12.0		
HORSES DIG PROT	% *	1.1	11.6		
RABBITS DIG PROT	% *	1.1	11.5		
SHEEP DIG PROT	% *	1.2	12.5		
ENERGY GE	KCAL/KG				
CATTLE DE	KCAL/KG *	0.22	2.36		
SHEEP DE	MCAL/KG *	0.24	2.50		
CATTLE ME	MCAL/KG *	0.18	1.93		
SHEEP ME	MCAL/KG *	0.19	2.05		
CATTLE NE-M	MCAL/KG *	0.11	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.42		
CATTLE NE-LACTATION	MCAL/KG *	0.11	1.13		
CATTLE TDN	% *	5.0	53.5		
SHEEP TDN	% *	5.3	56.8		
CALCIUM	%	0.06	0.60		1
PHOSPHORUS	%	0.03	0.32		1

BETA VULGARIS COMMON, AERIAL PART, FRESH FERTILIZED, DOUGH STAGE, (2)

REF NO 2-17-443

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	9.6	100.0		1
ORGANIC MATTER	%	7.4	77.4		
ASH	%	2.2	22.6		1
CRUDE FIBER	%	1.8	18.6		1
ETHER EXTRACT	%	0.1	1.1		1
NITROGEN FREE EXTRACT	%	3.8	39.2		1
PROTEIN	%	1.8	18.5		1
CATTLE DIG PROT	% *	1.3	13.6		
GOATS DIG PROT	% *	1.3	13.8		
HORSES DIG PROT	% *	1.3	13.2		
RABBITS DIG PROT	% *	1.2	13.0		
SHEEP DIG PROT	% *	1.4	14.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.22	2.31		
SHEEP DE	MCAL/KG *	0.24	2.46		
CATTLE ME	MCAL/KG *	0.18	1.89		
SHEEP ME	MCAL/KG *	0.19	2.02		
CATTLE NE-M	MCAL/KG *	0.11	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.37		
CATTLE NE-LACTATION	MCAL/KG *	0.10	1.09		
CATTLE TDN	% *	5.0	52.3		
SHEEP TDN	% *	5.4	55.8		
CALCIUM	%	0.06	0.66		1
PHOSPHORUS	%	0.05	0.49		1

BETA VULGARIS COMMON, LEAVES, FRESH, (2)

REF NO 2-13-360

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	11.3	100.0		2
ORGANIC MATTER	%	10.1	89.5		
ASH	%	1.2	10.5		2
CRUDE FIBER	%	0.9	8.0		2
ETHER EXTRACT	%	0.4	3.7		2
NITROGEN FREE EXTRACT	%	6.6	58.8		1
PROTEIN	%	2.1	19.0		2
CATTLE DIG PROT	% *	1.6	14.0		
GOATS DIG PROT	% *	1.6	14.3		
HORSES DIG PROT	% *	1.5	13.7		
RABBITS DIG PROT	% *	1.5	13.3		
SHEEP DIG PROT	% *	1.7	14.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.50	4.49		
SHEEP DE	MCAL/KG *	0.39	3.43		
CATTLE ME	MCAL/KG *	0.41	3.68		
SHEEP ME	MCAL/KG *	0.32	2.81		
CATTLE NE-M	MCAL/KG *	0.31	2.77		
CATTLE NE-GAIN	MCAL/KG *	0.19	1.67		
CATTLE NE-LACTATION	MCAL/KG *	0.31	2.79		
CATTLE TDN	% *	11.4	101.8		
SHEEP TDN	% *	8.7	77.8		
CALCIUM	%	0.09	0.83		1
IRON	%	0.007	0.060		1
PHOSPHORUS	%	0.04	0.36		1
ASCORBIC ACID	MG/KG	371.0	3297.6		1
NIACIN	MG/KG	9.1	81.0		1
RIBOFLAVIN	MG/KG	3.2	28.6		1
THIAMINE	MG/KG	0.5	4.8		1
VITAMIN A EQUIV	IU/G	7.8	69.5		

BETA VULGARIS COMMON, ROOTS, COOKED, (4)

REF NO 4-13-227

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.3	100.0		1
ORGANIC MATTER	%	15.4	94.5		
ASH	%	0.9	5.5		1
CRUDE FIBER	%	1.1	6.7		1
ETHER EXTRACT	%	0.1	0.6		1
NITROGEN FREE EXTRACT	%	12.5	76.7		
PROTEIN	%	1.7	10.4		1
CATTLE DIG PROT	% *	0.9	5.6		
GOATS DIG PROT	% *	1.1	6.8		
HORSES DIG PROT	% *	1.1	6.8		
SHEEP DIG PROT	% *	1.1	6.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.49	2.98		
SHEEP DE	MCAL/KG *	0.59	3.63		
SWINE DE	KCAL/KG *	587.	3602.		
CATTLE ME	MCAL/KG *	0.40	2.44		
SHEEP ME	MCAL/KG *	0.48	2.97		
SWINE ME	KCAL/KG *	551.	3382.		
CATTLE NE-M	MCAL/KG *	0.24	1.48		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.90		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.61		
CATTLE		TDN % *	11.0	67.5		
SHEEP		TDN % *	13.4	82.3		
SWINE		TDN % *	13.3	81.7		
CALCIUM		%	0.03	0.18		1
IRON		%	0.002	0.012		1
PHOSPHORUS		%	0.03	0.18		1
ASCORBIC ACID		MG/KG	192.0	1177.9		1
NIACIN		MG/KG	4.6	28.2		1
RIBOFLAVIN		MG/KG	0.4	2.5		1
THIAMINE		MG/KG	0.3	1.8		1

BETA VULGARIS COMMON, ROOTS, DEHY, (4)

REF NO 4-13-115

DRY MATTER		%	89.5	100.0		4
ORGANIC MATTER		%	83.9	93.7		4
ASH		%	5.6	6.3		4
SHEEP	DIG COEF	%	22.	22.		
PROTEIN		%	9.0	10.0		4
CATTLE	DIG PROT	% *	4.7	5.2		
GOATS	DIG PROT	% *	5.7	6.4		
HORSES	DIG PROT	% *	5.7	6.4		
SHEEP	DIG PROT	% *	5.7	6.4		

BETA VULGARIS COMMON, ROOTS, FRESH, (4)

REF NO 4-08-350

DRY MATTER		%	16.7	100.0	23	6
ORGANIC MATTER		%	15.2	90.6		
ASH		%	1.6	9.4	51	7
CRUDE FIBER		%	1.1	6.6	40	7
ETHER EXTRACT		%	0.3	2.0	98	7
NITROGEN FREE EXTRACT		%	11.7	70.1	14	7
PROTEIN		%	2.0	11.9	33	7
CATTLE	DIG PROT	% *	1.2	6.9		
GOATS	DIG PROT	% *	1.4	8.1		
HORSES	DIG PROT	% *	1.4	8.1		
SHEEP	DIG PROT	% *	1.4	8.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.41	2.43		
SHEEP	DE MCAL/KG	*	0.57	3.43		
SWINE	DE KCAL/KG	*	560.	3345.		
CATTLE	ME MCAL/KG	*	0.33	1.99		
SHEEP	ME MCAL/KG	*	0.47	2.81		
SWINE	ME KCAL/KG	*	524.	3131.		
CATTLE	NE-M	MCAL/KG *	0.20	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.48		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.18		
CATTLE		TDN % *	9.2	55.1		
SHEEP		TDN % *	13.0	77.7		
SWINE		TDN % *	12.7	75.9		
CALCIUM		%	0.09	0.55		2
PHOSPHORUS		%	0.22	1.31		2

BETA VULGARIS COMMON, ROOTS NO PEELINGS, FRESH, (4)

REF NO 4-15-447

DRY MATTER		%	16.4	100.0		1
ORGANIC MATTER		%	15.5	94.5		
ASH		%	0.9	5.5		1
CRUDE FIBER		%	0.8	4.9		1
ETHER EXTRACT		%	0.1	0.6		1
NITROGEN FREE EXTRACT		%	12.3	75.0		
PROTEIN		%	2.3	14.0		1
CATTLE	DIG PROT	% *	1.5	8.9		
GOATS	DIG PROT	% *	1.7	10.1		
HORSES	DIG PROT	% *	1.7	10.1		
SHEEP	DIG PROT	% *	1.7	10.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.49	2.97		
SHEEP	DE MCAL/KG	*	0.60	3.69		
SWINE	DE KCAL/KG	*	583.	3556.		
CATTLE	ME MCAL/KG	*	0.40	2.44		
SHEEP	ME MCAL/KG	*	0.50	3.02		
SWINE	ME KCAL/KG	*	543.	3313.		
CATTLE	NE-M	MCAL/KG *	0.24	1.47		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.90		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.61		
CATTLE		TDN % *	11.1	67.5		
SHEEP		TDN % *	13.7	83.6		
SWINE		TDN % *	13.2	80.7		
CALCIUM		%	0.03	0.18		1
IRON		%	0.002	0.012		1
PHOSPHORUS		%	0.03	0.18		1
ASCORBIC ACID		MG/KG	5.0	30.5		1
NIACIN		MG/KG	5.1	31.1		1
RIBOFLAVIN		MG/KG	0.7	4.3		1
THIAMINE		MG/KG	0.3	1.8		1

BEUNERIA CUMANENSIS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BEUNERIA CUMANENSIS CUMANENSIS, LEAVES, FRESH, (2)						
REF NO 2-11-291						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.2		
ASH		%		9.8		1
CRUDE FIBER		%		8.5		1
ETHER EXTRACT		%		5.8		1
NITROGEN FREE EXTRACT		%		59.3		1
PROTEIN		%		16.6		1
CATTLE	DIG PROT	% *		12.0		
GOATS	DIG PROT	% *		12.0		
HORSES	DIG PROT	% *		11.6		
RABBITS	DIG PROT	% *		11.5		
SHEEP	DIG PROT	% *		12.5		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		3.41		
SHEEP	ME MCAL/KG	*		2.80		
SHEEP	TDN	% *		77.3		

BIXA ORELLANA, ANATTOTREE

BIXA ORELLANA, SEEDS W HULLS, (4)

REF NO 4-09-009

DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.3		
ASH		%		6.7		1
CRUDE FIBER		%		27.0		1
ETHER EXTRACT		%		5.2		1
NITROGEN FREE EXTRACT		%		29.8		1
PROTEIN		%		31.3		1
CATTLE	DIG PROT	% *		24.7		
GOATS	DIG PROT	% *		25.9		
HORSES	DIG PROT	% *		25.9		
SHEEP	DIG PROT	% *		25.9		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		2.29		
SHEEP	ME MCAL/KG	*		1.87		
SHEEP	TDN	% *		51.8		

BLOOD FLOUR
=SEE ANIMAL, BLOOD, SPRAY DEHY, (5)

BLOOD MEAL (CFA)
=SEE ANIMAL, BLOOD, DEHY GRND, (5)

BLOOD MEAL (AAFCO)
=SEE ANIMAL, BLOOD, DEHY GRND, (5)

BOEHMERIA NIVEA, RAMIE

BOEHMERIA NIVEA, AERIAL PART, DEHY, (1)

REF NO 1-10-580

DRY MATTER		%	94.0	100.0	1	14
ORGANIC MATTER		%	77.3	82.2	13	14
ASH		%	16.7	17.8	13	14
CRUDE FIBER		%	13.0	13.8	21	14
ETHER EXTRACT		%	3.8	4.1	33	14
NITROGEN FREE EXTRACT		%	37.1	39.5	10	14
PROTEIN		%	23.3	24.8	18	14
CATTLE	DIG PROT	% *	17.3	18.4		
GOATS	DIG PROT	% *	18.5	19.7		
HORSES	DIG PROT	% *	17.5	18.6		
RABBITS	DIG PROT	% *	16.7	17.8		
SHEEP	DIG PROT	% *	17.7	18.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.05	3.25		
SHEEP	DE MCAL/KG	*	2.78	2.96		
CATTLE	ME MCAL/KG	*	2.50	2.66		
SHEEP	ME MCAL/KG	*	2.28	2.42		
CATTLE	NE-M	MCAL/KG *	1.55	1.65		
CATTLE	NE-GAIN	MCAL/KG *	1.01	1.08		
CATTLE	NE-LACTATION	MCAL/KG *	1.71	1.82		
CATTLE	TDN	% *	69.2	73.7		
SHEEP	TDN	% *	63.0	67.0		
CALCIUM		%	4.01	4.27	12	13
IRON		%	0.047	0.050	56	13
PHOSPHORUS		%	0.32	0.34	43	13
NIACIN		MG/KG	66.3	70.5	20	13
RIBOFLAVIN		MG/KG	14.10	15.01	22	13
THIAMINE		MG/KG	3.11	3.31	30	13
VITAMIN A EQUIV		IU/G	197.3	209.9		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BOEHMERIA NIVEA, AERIAL PART, DEHY, HIOBLOOM, (1)						
REF NO 1-10-583						
DRY MATTER		%	89.0	100.0		1
ORGANIC MATTER		%	75.8	85.2		1
ASH		%	12.2	13.7		2
CRUDE FIBER		%	17.7	19.8		2
ETHER EXTRACT		%	4.7	5.3		2
NITROGEN FREE EXTRACT		%	40.4	45.4		1
PROTEIN		%	14.0	15.8		2
CATTLE	DIG PROT	% *	9.4	10.6		
GOATS	DIG PROT	% *	10.0	11.3		
HORSES	DIG PROT	% *	9.7	10.9		
RABBITS	DIG PROT	% *	9.7	10.9		
SHEEP	DIG PROT	% *	9.5	10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.44	2.74		
HORSES	DE	MCAL/KG *	1.33	1.49		
SHEEP	DE	MCAL/KG *	2.38	2.67		
CATTLE	ME	MCAL/KG *	2.00	2.25		
HORSES	ME	MCAL/KG *	1.09	1.22		
SHEEP	ME	MCAL/KG *	1.95	2.19		
CATTLE	NE-M	MCAL/KG *	1.19	1.34		
CATTLE	NE-GAIN	MCAL/KG *	0.65	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	1.27	1.43		
CATTLE	TDN	% *	55.4	62.3		
HORSES	TDN	% *	32.2	36.2		
SHEEP	TDN	% *	53.9	60.5		
CALCIUM		%	3.30	3.71		2
IRON		%	0.027	0.030		2
PHOSPHORUS		%	0.17	0.19		2
NIACIN		MG/KG	45.0	50.5		2
RIBOFLAVIN		MG/KG				
THIAMINE		MG/KG				
VITAMIN A EQUIV		IU/G	165.0	185.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BOEHMERIA NIVEA, AERIAL PART, DEHY GRND, (1)						
REF NO 1-10-581						
DRY MATTER		%	88.8	100.0	2	16
ORGANIC MATTER		%	68.3	76.9	26	16
ASH		%	20.6	23.1	26	16
CRUDE FIBER		%	18.7	21.0	20	16
ETHER EXTRACT		%	3.6	4.0	20	16
NITROGEN FREE EXTRACT		%	33.3	37.4	10	16
PROTEIN		%	12.8	14.4	17	16
CATTLE	DIG PROT	% *	8.4	9.4		
GOATS	DIG PROT	% *	8.9	10.0		
HORSES	DIG PROT	% *	8.7	9.7		
RABBITS	DIG PROT	% *	8.7	9.8		
SHEEP	DIG PROT	% *	8.4	9.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.12	2.38		
SHEEP	DE	MCAL/KG *	2.00	2.25		
CATTLE	ME	MCAL/KG *	1.74	1.95		
SHEEP	ME	MCAL/KG *	1.64	1.84		
CATTLE	NE-M	MCAL/KG *	1.02	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.39	0.44		
CATTLE	NE-LACTATION	MCAL/KG *	1.02	1.15		
CATTLE	TDN	% *	48.0	54.1		
SHEEP	TDN	% *	45.3	51.0		
CALCIUM		%	3.99	4.49	10	15
IRON		%	0.111	0.125		1
PHOSPHORUS		%	0.35	0.40	17	15
VITAMIN A EQUIV		IU/G	283.6	319.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BOEHMERIA NIVEA, HAY, S-C, (1)						
REF NO 1-09-745						
DRY MATTER		%	89.3	100.0		1
ORGANIC MATTER		%	76.6	85.8		1
ASH		%	12.5	14.0		3
CRUDE FIBER		%	23.9	26.8		3
ETHER EXTRACT		%	3.1	3.4		3
NITROGEN FREE EXTRACT		%	38.7	43.4		3
PROTEIN		%	11.1	12.5		3
CATTLE	DIG PROT	% *	6.9	7.7		
GOATS	DIG PROT	% *	7.3	8.2		
HORSES	DIG PROT	% *	7.2	8.1		
RABBITS	DIG PROT	% *	7.4	8.3		
SHEEP	DIG PROT	% *	6.9	7.7		
SUGARS, TOTAL		%	38.0	42.6		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.17	2.43		
HORSES	DE	MCAL/KG *	1.77	1.98		
SHEEP	DE	MCAL/KG *	2.10	2.35		
CATTLE	ME	MCAL/KG *	1.78	1.99		
HORSES	ME	MCAL/KG *	1.45	1.62		
SHEEP	ME	MCAL/KG *	1.72	1.92		
CATTLE	NE-M	MCAL/KG *	1.05	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.43	0.48		
CATTLE	NE-LACTATION	MCAL/KG *	1.05	1.18		
CATTLE	TDN	% *	49.1	55.0		
HORSES	TDN	% *	44.3	49.6		
SHEEP	TDN	% *	47.5	53.2		
CALCIUM		%	3.63	4.06		1
PHOSPHORUS		%	0.36	0.40		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BOEHMERIA NIVEA, LEAVES, (1)						
REF NO 1-03-861						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.2		
ASH		%		12.8		1
CRUDE FIBER		%		17.0		1
ETHER EXTRACT		%		3.6		1
NITROGEN FREE EXTRACT		%		47.4		1
PROTEIN		%		19.2		1
CATTLE	DIG PROT	% *		13.6		
GOATS	DIG PROT	% *		14.5		
HORSES	DIG PROT	% *		13.8		
RABBITS	DIG PROT	% *		13.5		
SHEEP	DIG PROT	% *		13.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.06		
HORSES	DE	MCAL/KG *		1.76		
SHEEP	DE	MCAL/KG *		2.86		
CATTLE	ME	MCAL/KG *		2.51		
HORSES	ME	MCAL/KG *		1.45		
SHEEP	ME	MCAL/KG *		2.34		
CATTLE	NE-M	MCAL/KG *		1.53		
CATTLE	NE-GAIN	MCAL/KG *		0.96		
CATTLE	NE-LACTATION	MCAL/KG *		1.68		
CATTLE	TDN	% *		69.4		
HORSES	TDN	% *		43.6		
SHEEP	TDN	% *		64.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BOEHMERIA NIVEA, STEMS, S-C, (1)						
REF NO 1-09-591						
DRY MATTER		%	89.0	100.0		1
ORGANIC MATTER		%	83.0	93.3		1
ASH		%	6.0	6.7		1
CRUDE FIBER		%	38.3	43.0		1
ETHER EXTRACT		%	1.2	1.3		1
NITROGEN FREE EXTRACT		%	36.3	40.8		1
PROTEIN		%	7.2	8.1		1
CATTLE	DIG PROT	% *	3.5	3.9		
GOATS	DIG PROT	% *	3.7	4.1		
HORSES	DIG PROT	% *	3.9	4.4		
RABBITS	DIG PROT	% *	4.4	4.9		
SHEEP	DIG PROT	% *	3.4	3.8		
SUGARS, TOTAL		%	36.2	40.7		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.00	2.24		
HORSES	DE	MCAL/KG *	1.38	1.56		
SHEEP	DE	MCAL/KG *	2.01	2.26		
CATTLE	ME	MCAL/KG *	1.64	1.84		
HORSES	ME	MCAL/KG *	1.14	1.28		
SHEEP	ME	MCAL/KG *	1.65	1.85		
CATTLE	NE-M	MCAL/KG *	0.97	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.28	0.31		
CATTLE	NE-LACTATION	MCAL/KG *	0.92	1.04		
CATTLE	TDN	% *	45.3	50.9		
HORSES	TDN	% *	33.7	37.9		
SHEEP	TDN	% *	45.6	51.2		
CALCIUM		%	1.58	1.78		1
PHOSPHORUS		%	0.33	0.37		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BOEHMERIA NIVEA, AERIAL PART, FRESH, (2)						
REF NO 2-03-859						
DRY MATTER		%	16.0	100.0	35	5
ORGANIC MATTER		%	13.1	82.1	15	4
ASH		%	2.7	17.1	15	6
CRUDE FIBER		%	3.2	20.3	19	6
ETHER EXTRACT		%	0.7	4.3	36	6
NITROGEN FREE EXTRACT		%	6.3	39.1	4	6
PROTEIN		%	3.1	19.2	21	6
CATTLE	DIG PROT	% *	2.3	14.2		
GOATS	DIG PROT	% *	2.3	14.5		
HORSES	DIG PROT	% *	2.2	13.9		
RABBITS	DIG PROT	% *	2.2	13.5		
SHEEP	DIG PROT	% *	2.4	14.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.40	2.51		
SHEEP	DE	MCAL/KG *	0.45	2.79		
CATTLE	ME	MCAL/KG *	0.33	2.06		
SHEEP	ME	MCAL/KG *	0.37	2.29		
CATTLE	NE-M	MCAL/KG *	0.19	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.24		
CATTLE	TDN	% *	9.1	56.8		
SHEEP	TDN	% *	10.1	63.4		
CALCIUM		%	0.44	2.76	82	4
IRON		%	0.002	0.012		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%	0.07	0.47	62	4
VITAMIN A EQUIV	IU/G	4.0	25.2		

BOEHMERIA NIVEA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-141

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.0	100.0		2
ORGANIC MATTER	%	14.6	69.6		1
ASH	%	5.1	24.3		2
CRUDE FIBER	%	3.9	18.8		2
ETHER EXTRACT	%	0.4	2.1		2
NITROGEN FREE EXTRACT	%	7.9	37.7		2
PROTEIN	%	3.6	17.1		2
CATTLE	DIG PROT % *	2.6	12.4		
GOATS	DIG PROT % *	2.6	12.5		
HORSES	DIG PROT % *	2.5	12.0		
RABBITS	DIG PROT % *	2.5	11.9		
SHEEP	DIG PROT % *	2.7	12.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.42	2.02		
SHEEP	DE MCAL/KG *	0.51	2.44		
CATTLE	ME MCAL/KG *	0.35	1.66		
SHEEP	ME MCAL/KG *	0.42	2.00		
CATTLE	NE-M MCAL/KG *	0.21	0.99		
CATTLE	NE-GAIN MCAL/KG *	0.02	0.10		
CATTLE	NE-LACTATION MCAL/KG *	0.18	0.87		
CATTLE	TDN % *	9.6	45.9		
SHEEP	TDN % *	11.6	55.3		
CALCIUM	%	0.79	3.77		1
PHOSPHORUS	%	0.06	0.31		1

BOEHMERIA NIVEA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-13-744

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	14.1	100.0		2
ORGANIC MATTER	%	11.5	81.7		
ASH	%	2.6	18.3		2
CRUDE FIBER	%	3.2	23.0		2
ETHER EXTRACT	%	0.8	5.4		2
NITROGEN FREE EXTRACT	%	4.9	34.9		2
PROTEIN	%	2.6	18.5		2
CATTLE	DIG PROT % *	1.9	13.6		
GOATS	DIG PROT % *	1.9	13.8		
HORSES	DIG PROT % *	1.9	13.2		
RABBITS	DIG PROT % *	1.8	12.9		
SHEEP	DIG PROT % *	2.0	14.2		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.39	2.79		
SHEEP	ME MCAL/KG *	0.32	2.29		
SHEEP	TDN % *	8.9	63.3		
CALCIUM	%	0.67	4.76		2
PHOSPHORUS	%	0.05	0.34		2

BOEHMERIA NIVEA, AERIAL PART, FRESH GRND, (2)

REF NO 2-17-502

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.9		
ASH	%		9.1		2
CRUDE FIBER	%		26.4		2
ETHER EXTRACT	%		2.9		2
NITROGEN FREE EXTRACT	%		43.7		2
PROTEIN	%		17.9		2
CATTLE	DIG PROT % *		13.1		
GOATS	DIG PROT % *		13.3		
HORSES	DIG PROT % *		12.7		
RABBITS	DIG PROT % *		12.5		
SHEEP	DIG PROT % *		13.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.87		
SHEEP	DE MCAL/KG *		2.82		
CATTLE	ME MCAL/KG *		2.36		
SHEEP	ME MCAL/KG *		2.31		
CATTLE	NE-M MCAL/KG *		1.41		
CATTLE	NE-GAIN MCAL/KG *		0.83		
CATTLE	NE-LACTATION MCAL/KG *		1.53		
CATTLE	TDN % *		65.2		
SHEEP	TDN % *		64.0		

BOEHMERIA NIVEA, LEAVES, FRESH, (2)

REF NO 2-13-745

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.9	100.0		3
ORGANIC MATTER	%	21.5	80.0		
ASH	%	5.4	20.0		3
CRUDE FIBER	%	3.2	11.8		3
ETHER EXTRACT	%	1.3	4.9		3
NITROGEN FREE EXTRACT	%	11.2	41.7		3
PROTEIN	%	5.8	21.7		3
CATTLE	DIG PROT % *	4.4	16.3		
GOATS	DIG PROT % *	4.5	16.8		
HORSES	DIG PROT % *	4.3	16.0		
RABBITS	DIG PROT % *	4.1	15.4		
SHEEP	DIG PROT % *	4.6	17.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.70	2.60		
SHEEP	DE MCAL/KG *	0.79	2.96		
CATTLE	ME MCAL/KG *	0.57	2.13		
SHEEP	ME MCAL/KG *	0.65	2.42		
CATTLE	NE-M MCAL/KG *	0.34	1.26		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.62		
CATTLE	NE-LACTATION MCAL/KG *	0.35	1.32		
CATTLE	TDN % *	15.9	59.0		
SHEEP	TDN % *	18.0	67.0		

BOEHMERIA NIVEA, LEAVES, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-13-820

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.2	100.0		2
ORGANIC MATTER	%	17.4	78.4		
ASH	%	4.8	21.6		2
CRUDE FIBER	%	2.7	12.2		2
ETHER EXTRACT	%	0.8	3.6		2
NITROGEN FREE EXTRACT	%	8.0	36.2		2
PROTEIN	%	5.8	26.4		2
CATTLE	DIG PROT % *	4.5	20.3		
GOATS	DIG PROT % *	4.7	21.2		
HORSES	DIG PROT % *	4.4	19.9		
RABBITS	DIG PROT % *	4.2	19.0		
SHEEP	DIG PROT % *	4.8	21.6		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.62	2.78		
SHEEP	ME MCAL/KG *	0.51	2.28		
SHEEP	TDN % *	14.0	63.1		

BOEHMERIA NIVEA, LEAVES, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-821

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.0	100.0		3
ORGANIC MATTER	%	12.8	79.7		
ASH	%	3.3	20.3		3
CRUDE FIBER	%	2.0	12.3		3
ETHER EXTRACT	%	0.6	3.9		3
NITROGEN FREE EXTRACT	%	5.9	36.8		3
PROTEIN	%	4.3	26.7		3
CATTLE	DIG PROT % *	3.3	20.6		
GOATS	DIG PROT % *	3.4	21.5		
HORSES	DIG PROT % *	3.2	20.2		
RABBITS	DIG PROT % *	3.1	19.3		
SHEEP	DIG PROT % *	3.5	21.9		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.46	2.87		
SHEEP	ME MCAL/KG *	0.38	2.35		
SHEEP	TDN % *	10.4	65.0		

BOEHMERIA NIVEA, LEAVES, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-822

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.3	100.0		1
ORGANIC MATTER	%	13.9	75.8		
ASH	%	4.4	24.2		1
CRUDE FIBER	%	1.4	7.8		1
ETHER EXTRACT	%	1.3	6.9		1
NITROGEN FREE EXTRACT	%	6.9	37.6		1
PROTEIN	%	4.3	23.6		1
CATTLE	DIG PROT % *	3.3	17.9		
GOATS	DIG PROT % *	3.4	18.5		
HORSES	DIG PROT % *	3.2	17.5		
RABBITS	DIG PROT % *	3.1	16.9		
SHEEP	DIG PROT % *	3.5	18.9		

BOEHMERIA NIVEA, LEAVES, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-823

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.8	100.0		1
ORGANIC MATTER	%	14.8	78.5		
ASH	%	4.0	21.5		1
CRUDE FIBER	%	2.3	12.1		1
ETHER EXTRACT	%	1.0	5.5		1
NITROGEN FREE EXTRACT	%	7.0	37.5		1
PROTEIN	%	4.4	23.4		1
CATTLE	DIG PROT % *	3.3	17.8		
GOATS	DIG PROT % *	3.5	18.4		
HORSES	DIG PROT % *	3.3	17.4		
RABBITS	DIG PROT % *	3.1	16.7		
SHEEP	DIG PROT % *	3.5	18.8		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
ENERGY		GE KCAL/KG			
SHEEP		DE MCAL/KG *	0.56	2.99	
SHEEP		ME MCAL/KG *	0.46	2.45	
SHEEP		TDN % *	12.7	67.7	

BOEHMERIA NIVEA, STEMS, FRESH, (2)

REF NO 2-C3-860

DRY MATTER		%	28.0	100.0	1
ORGANIC MATTER		%	25.2	90.1	1
ASH		%	2.8	9.9	1
CRUDE FIBER		%	13.4	48.0	1
ETHER EXTRACT		%	0.3	0.9	1
NITROGEN FREE EXTRACT		%	9.5	33.8	1
PROTEIN		%	2.1	7.4	1
CATTLE	DIG PROT	% *	1.2	4.2	
GOATS	DIG PROT	% *	1.0	3.5	
HORSES	DIG PROT	% *	1.1	3.8	
RABBITS	DIG PROT	% *	1.2	4.4	
SHEEP	DIG PROT	% *	1.1	3.9	

BOEHMERIA NIVEA, STEMS, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-13-816

DRY MATTER		%	12.2	100.0	2
ORGANIC MATTER		%	11.2	92.1	
ASH		%	1.0	7.9	2
CRUDE FIBER		%	6.8	56.2	2
ETHER EXTRACT		%	0.1	0.8	2
NITROGEN FREE EXTRACT		%	3.4	27.7	2
PROTEIN		%	0.9	7.4	2
CATTLE	DIG PROT	% *	0.5	4.2	
GOATS	DIG PROT	% *	0.4	3.5	
HORSES	DIG PROT	% *	0.5	3.8	
RABBITS	DIG PROT	% *	0.5	4.4	
SHEEP	DIG PROT	% *	0.5	3.9	

BOEHMERIA NIVEA, STEMS, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-817

DRY MATTER		%	13.3	100.0	3
ORGANIC MATTER		%	12.2	91.3	
ASH		%	1.2	8.7	3
CRUDE FIBER		%	7.3	54.7	3
ETHER EXTRACT		%	0.1	1.1	3
NITROGEN FREE EXTRACT		%	3.6	27.0	3
PROTEIN		%	1.1	8.6	3
CATTLE	DIG PROT	% *	0.7	5.2	
GOATS	DIG PROT	% *	0.6	4.5	
HORSES	DIG PROT	% *	0.6	4.8	
RABBITS	DIG PROT	% *	0.7	5.3	
SHEEP	DIG PROT	% *	0.7	5.0	

BOEHMERIA NIVEA, STEMS, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-13-815

DRY MATTER		%	17.4	100.0	2
ORGANIC MATTER		%	14.9	86.0	
ASH		%	2.4	14.0	2
CRUDE FIBER		%	6.3	36.1	2
ETHER EXTRACT		%	0.5	2.9	2
NITROGEN FREE EXTRACT		%	6.1	35.4	2
PROTEIN		%	2.0	11.7	2
CATTLE	DIG PROT	% *	1.4	7.8	
GOATS	DIG PROT	% *	1.3	7.5	
HORSES	DIG PROT	% *	1.3	7.5	
RABBITS	DIG PROT	% *	1.3	7.7	
SHEEP	DIG PROT	% *	1.4	7.9	
ENERGY		GE KCAL/KG			
CATTLE		DE MCAL/KG *	0.38	2.18	
SHEEP		DE MCAL/KG *	0.43	2.50	
CATTLE		ME MCAL/KG *	0.31	1.79	
SHEEP		ME MCAL/KG *	0.36	2.05	
CATTLE		NE-M MCAL/KG *	0.18	1.06	
CATTLE		NE-GAIN MCAL/KG *	0.04	0.25	
CATTLE		NE-LACTATION MCAL/KG *	0.17	0.99	
CATTLE		TDN % *	8.6	49.4	
SHEEP		TDN % *	9.8	56.7	

BOEHMERIA NIVEA, STEMS, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-818

DRY MATTER		%	18.0	100.0	1
ORGANIC MATTER		%	16.6	92.3	
ASH		%	1.4	7.7	1
CRUDE FIBER		%	10.5	58.2	1
ETHER EXTRACT		%	0.2	1.3	1
NITROGEN FREE EXTRACT		%	4.8	26.7	1
PROTEIN		%	1.1	6.1	1
CATTLE	DIG PROT	% *	0.6	3.1	
GOATS	DIG PROT	% *	0.4	2.3	
HORSES	DIG PROT	% *	0.5	2.7	
RABBITS	DIG PROT	% *	0.6	3.4	
SHEEP	DIG PROT	% *	0.5	2.7	

BOEHMERIA NIVEA, STEMS, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-819

DRY MATTER		%	16.3	100.0	1
ORGANIC MATTER		%	15.2	93.3	
ASH		%	1.1	6.7	1
CRUDE FIBER		%	4.3	26.5	1
ETHER EXTRACT		%	0.3	1.8	1
NITROGEN FREE EXTRACT		%	9.5	58.3	1
PROTEIN		%	1.1	6.8	1
CATTLE	DIG PROT	% *	0.6	3.7	
GOATS	DIG PROT	% *	0.5	2.9	
HORSES	DIG PROT	% *	0.5	3.3	
RABBITS	DIG PROT	% *	0.6	3.9	
SHEEP	DIG PROT	% *	0.5	3.3	
ENERGY		GE KCAL/KG			
CATTLE		DE MCAL/KG *	0.46	2.80	
SHEEP		DE MCAL/KG *	0.45	2.78	
CATTLE		ME MCAL/KG *	0.37	2.29	
SHEEP		ME MCAL/KG *	0.37	2.28	
CATTLE		NE-M MCAL/KG *	0.22	1.37	
CATTLE		NE-GAIN MCAL/KG *	0.13	0.77	
CATTLE		NE-LACTATION MCAL/KG *	0.24	1.47	
CATTLE		TDN % *	10.3	63.5	
SHEEP		TDN % *	10.3	63.1	

BOERHAAVIA COCCINEA, SPIDERLING, SCARLET

BOERHAAVIA COCCINEA SCARLET, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-13-265

DRY MATTER		%	18.2	100.0	1
ORGANIC MATTER		%	15.6	85.6	
ASH		%	2.6	14.4	1
CRUDE FIBER		%	4.7	26.0	1
ETHER EXTRACT		%	0.4	2.2	1
NITROGEN FREE EXTRACT		%	7.9	43.5	1
PROTEIN		%	2.5	13.9	1
CATTLE	DIG PROT	% *	1.8	9.7	
GOATS	DIG PROT	% *	1.7	9.5	
HORSES	DIG PROT	% *	1.7	9.3	
RABBITS	DIG PROT	% *	1.7	9.4	
SHEEP	DIG PROT	% *	1.8	9.9	
ENERGY		GE KCAL/KG			
CATTLE		DE MCAL/KG *	0.47	2.56	
SHEEP		DE MCAL/KG *	0.48	2.61	
CATTLE		ME MCAL/KG *	0.38	2.10	
SHEEP		ME MCAL/KG *	0.39	2.14	
CATTLE		NE-M MCAL/KG *	0.23	1.24	
CATTLE		NE-GAIN MCAL/KG *	0.11	0.59	
CATTLE		NE-LACTATION MCAL/KG *	0.23	1.26	
CATTLE		TDN % *	10.6	58.0	
SHEEP		TDN % *	10.8	59.3	
CALCIUM		%	0.30	1.65	1
PHOSPHORUS		%	0.04	0.23	1

BOERHAAVIA PANICULATA, SPIDERLING, PANICULATA

BOERHAAVIA PANICULATA PANICULATA, AERIAL PART, FRESH, (2)

REF NO 2-11-290

DRY MATTER		%	18.0	100.0	1
ORGANIC MATTER		%	14.9	83.0	
ASH		%	3.1	17.0	1
CRUDE FIBER		%	3.4	18.7	1
ETHER EXTRACT		%	0.5	2.8	1
NITROGEN FREE EXTRACT		%	8.0	44.3	1
PROTEIN		%	3.1	17.2	1
CATTLE	DIG PROT	% *	2.3	12.5	
GOATS	DIG PROT	% *	2.3	12.6	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	2.2	12.1		
RABBITS	DIG PROT % *	2.2	11.9		
SHEEP	DIG PROT % *	2.3	13.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.47	2.60		
SHEEP	DE MCAL/KG *	0.49	2.74		
CATTLE	ME MCAL/KG *	0.38	2.13		
SHEEP	ME MCAL/KG *	0.40	2.25		
CATTLE	NE-M MCAL/KG *	0.23	1.26		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.62		
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.31		
CATTLE	TDN % *	10.6	58.9		
SHEEP	TDN % *	11.2	62.1		

BOMBYX MORI, SILKWORM

BOMBYX MORI, CHRYSALIS, (5)

REF NO 5-11-787

DRY MATTER	%	93.5	100.0		1
ORGANIC MATTER	%	89.9	96.2		
ASH	%	3.6	3.8		1
ETHER EXTRACT	%	26.5	28.3		1
NITROGEN FREE EXTRACT	%	8.5	9.1		1
PROTEIN	%	55.0	58.8		1

BOMBYX MORI, CHRYSALIS, GRND, (5)

REF NO 5-09-735

DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.6		
ASH	%		4.4		2
CRUDE FIBER	%		4.3		2
ETHER EXTRACT	%		29.8		2
NITROGEN FREE EXTRACT	%		4.6		2
PROTEIN	%		56.9		2
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		4.51		
SHEEP	ME MCAL/KG *		3.70		
SHEEP	TDN % *		102.2		
CALCIUM	%		0.40		1
PHOSPHORUS	%		0.66		1

BONE BLACK (CFA)
=SEE ANIMAL, BONE CHARCOAL, RETORT CHARRED GRND, (6)

BONE CHARCOAL (AAFCO)
=SEE ANIMAL, BONE CHARCOAL, RETORT CHARRED GRND, MN 14% PHOSPHORUS, (6)

BONE MEAL, STEAMED (AAFCO)
=SEE ANIMAL, BONES, STEAMED DEHY GRND, (6)

BONE RAW
=SEE ANIMAL, BONES, RAW DEHY GRND, (6)

BORRERA LAEVIS

BORRERA LAEVIS LAEVIS, AERIAL PART, FRESH, MIOBLUOM, (2)

REF NO 2-15-408

DRY MATTER	%	20.4	100.0		1
ORGANIC MATTER	%	18.5	90.5		1
ASH	%	1.9	9.5		1
CRUDE FIBER	%	6.9	33.9		1
ETHER EXTRACT	%	0.6	3.1		1
NITROGEN FREE EXTRACT	%	8.4	41.3		1
PROTEIN	%	2.5	12.2		1
CATTLE	DIG PROT % *	1.7	8.3		
GOATS	DIG PROT % *	1.6	7.9		
HORSES	DIG PROT % *	1.6	7.9		
RABBITS	DIG PROT % *	1.7	8.1		
SHEEP	DIG PROT % *	1.7	8.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.50	2.43		
SHEEP	DE MCAL/KG *	0.53	2.62		
CATTLE	ME MCAL/KG *	0.41	1.99		
SHEEP	ME MCAL/KG *	0.44	2.15		
CATTLE	NE-M MCAL/KG *	0.24	1.17		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.48		
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.18		
CATTLE	TDN % *	11.2	55.1		
SHEEP	TDN % *	12.1	59.5		
CALCIUM	%	0.37	1.79		1
PHOSPHORUS	%	0.07	0.33		1

BOS SPP, CATTLE

BOS SPP, BUTTER, (4)

REF NO 4-01-157

DRY MATTER	%	83.7	100.0		3
ORGANIC MATTER	%	(82.5)	(98.5)		
ASH	%	(1.2)	(1.5)		3
ETHER EXTRACT	%	82.5	98.5		3

BOS SPP, WHEY, (4)

REF NO 4-08-134

DRY MATTER	%	94.7	100.0		2
ORGANIC MATTER	%	87.4	92.3		
ASH	%	7.3	7.8		2
CRUDE FIBER	%	0.2	0.2		2
ETHER EXTRACT	%	2.0	2.1		2
NITROGEN FREE EXTRACT	%	73.3	77.4		1
PROTEIN	%	11.9	12.6		2
CATTLE	DIG PROT % *	7.1	7.5		
GOATS	DIG PROT % *	8.3	8.7		
HORSES	DIG PROT % *	8.3	8.7		
SHEEP	DIG PROT % *	8.3	8.7		
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG *	3420.	3612.		
SWINE	ME KCAL/KG *	3197.	3376.		
SWINE	TDN % *	77.6	81.9		
CALCIUM	%	0.58	0.62		2
PHOSPHORUS	%	0.55	0.59		2
ARGININE	%	0.27	0.28		1
CYSTINE	%	0.18	0.19		1
HISTIDINE	%	0.20	0.21		1
ISOLEUCINE	%	0.67	0.71		1
LEUCINE	%	1.05	1.11		1
LYSINE	%	0.98	1.03		1
METHIONINE	%	0.21	0.22		1
PHENYLALANINE	%	0.41	0.43		1
THREONINE	%	0.71	0.75		1
TRYPTOPHAN	%	0.24	0.25		1
VALINE	%	0.66	0.70		1

BOS SPP, WHEY, DEHY, (4)

REF NO 4-13-772

DRY MATTER	%	90.1	100.0	3	10
ORGANIC MATTER	%	81.2	90.1		
ASH	%	8.9	9.9		3
CRUDE FIBER	%	0.2	0.2		2
ETHER EXTRACT	%	1.9	2.1	33	10
NITROGEN FREE EXTRACT	%	65.3	72.5		3
PROTEIN	%	13.8	15.3	17	10
CATTLE	DIG PROT % *	9.1	10.1		
GOATS	DIG PROT % *	10.1	11.2		
HORSES	DIG PROT % *	10.1	11.2		
SHEEP	DIG PROT % *	10.1	11.2		
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG *	3188.	3537.		
SWINE	ME KCAL/KG *	2962.	3286.		
SWINE	TDN % *	72.3	80.2		
CALCIUM	%	0.59	0.66		1
PHOSPHORUS	%	(0.61)	(0.68)		1

BOS SPP, WHEY, DEHY, MN 65% LACTOSE, (4)
DRIED WHEY (AAFCO)
WHEY, DRIED

REF NO 4-01-182

DRY MATTER	%	(92.8)	(100.0)	1	41
ORGANIC MATTER	%	83.2	89.7		
ASH	%	9.5	10.3	30	12
CRUDE FIBER	%	1.3	1.4	98	11
ETHER EXTRACT	%	1.2	1.3	98	17
NITROGEN FREE EXTRACT	%	67.2	72.4	6	9
PROTEIN	%	13.4	14.7	23	20
CATTLE	DIG PROT % *	8.8	9.5		
GOATS	DIG PROT % *	9.9	10.7		
HORSES	DIG PROT % *	9.9	10.7		
SHEEP	DIG PROT % *	9.9	10.7		
FATTY ACIDS	%				
LINOLEIC	%	0.010	0.011		1
ENERGY	GE KCAL/KG	3439.	3707.		2
SHEEP	DE MCAL/KG *	3.44	3.71		
SWINE	DE KCAL/KG	3071.	3310.		1

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CHICKENS	NE-M	KCAL/KG	1899.	2047.	2	4
SHEEP	NE	MCAL/KG *	2.82	3.04		
SWINE	NE	KCAL/KG	(3054.)	(3292.)		2
CHICKENS	PRODUCTIVE	KCAL/KG	1299.	1400.		2
SHEEP		TDN % *	78.1	84.2		
SWINE		TDN %	(77.0)	(83.0)		1
CALCIUM		%	(0.97)	(1.05)	45	16
CHLORINE		%	(0.07)	(0.08)		1
COBALT		MG/KG	(0.107)	(0.116)		1
COPPER		MG/KG	(46.0)	(49.6)		3
IRON		%	(0.013)	(0.014)	64	4
MAGNESIUM		%	(0.13)	(0.14)		2
MANGANESE		MG/KG	(6.1)	(6.6)	67	6
PHOSPHORUS		%	(0.76)	(0.82)	20	15
CHICKENS, CHICKS AVAILABLE		%	0.76	0.82		2
POTASSIUM		%	1.05	1.13		2
SALT (NACL)		%	7.51	8.09		1
SODIUM		%	(1.64)	(1.76)		2
SULPHUR		%	(1.03)	(1.12)		2
A-TOCOPHEROL		MG/KG	(0.2)	(0.2)		1
BIOTIN		MG/KG	(0.34)	(0.37)		3
CHOLINE		MG/KG	(1368.)	(1475.)	47	6
FOLIC ACID		MG/KG	(0.78)	(0.84)		3
NIACIN		MG/KG	(10.0)	(10.8)	12	7
PANTOTHENIC ACID		MG/KG	(44.1)	(47.5)	21	20
PYRIDOXINE		MG/KG	4.0	4.3		1
RIBOFLAVIN		MG/KG	(27.1)	(29.2)	23	16
THIAMINE		MG/KG	(4.0)	(4.4)	13	4
VITAMIN B6		MG/KG	(3.22)	(3.47)		2
VITAMIN B12		UG/KG	(23.3)	(25.1)		2
VITAMIN A		IU/G	(0.5)	(0.5)		1
ARGININE		%	(0.35)	(0.37)	23	9
CYSTEINE		%	(0.40)	(0.43)		1
CYSTINE		%	(0.30)	(0.32)	1	7
GLUTAMIC ACID		%	(1.72)	(1.85)		3
GLYCINE		%	(0.30)	(0.32)		1
HISTIDINE		%	(0.17)	(0.19)	17	7
ISOLEUCINE		%	(0.82)	(0.88)	11	7
LEUCINE		%	(1.19)	(1.28)	13	6
LYSINE		%	(0.97)	(1.05)	17	9
METHIONINE		%	(0.18)	(0.20)	12	8
PHENYLALANINE		%	(0.34)	(0.36)	16	7
SERINE		%	(0.33)	(0.35)		3
THREONINE		%	(0.89)	(0.96)	43	7
TRYPTOPHAN		%	(0.18)	(0.20)	23	9
TYROSINE		%	(0.25)	(0.27)	40	4
VALINE		%	(0.68)	(0.73)	2	7

BOS SPP, BUTTERMILK, DEHY, FEED GR MX 8% MOISTURE MX 13% ASH MN 5% FAT, (5)
DRIED BUTTERMILK, FEED GRADE (AAFCO)
BUTTERMILK, DRIED

REF NO 5-01-160

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(92.1)	(100.0)	1	38
ORGANIC MATTER		%	82.8	89.9		
ASH		%	9.3	10.1	11	11
SHEEP	DIG COEF	%	8.	8.		
CRUDE FIBER		%	4.7	5.1	98	7
SHEEP	DIG COEF	%	1.	1.		1
ETHER EXTRACT		%	5.0	5.5	43	17
SHEEP	DIG COEF	%	98.	98.		1
NITROGEN FREE EXTRACT		%	41.4	45.0	5	8
SHEEP	DIG COEF	%	94.	94.		1
SWINE	DIG COEF	%	98.	98.		1
PROTEIN		%	31.6	34.3	4	23
SHEEP	DIG COEF	%	90.	90.		1
SWINE	DIG COEF	%	93.	93.		1
SHEEP	DIG PROT	%	28.4	30.9		
SWINE	DIG PROT	%	29.4	31.9		
ENERGY	GE	KCAL/KG	3666.	3981.		1
CATTLE	DE	MCAL/KG *	3.28	3.56		
SHEEP	DE	MCAL/KG *	3.46	3.76		
SWINE	DE	KCAL/KG *	2282.	2478.		
CATTLE	ME	MCAL/KG *	2.69	2.92		
CHICKENS	ME-N	KCAL/KG	2767.	3005.		3
SHEEP	ME	MCAL/KG *	2.84	3.08		
SWINE	ME	KCAL/KG	1045.	1135.		1
CATTLE	NE-M	MCAL/KG *	1.73	1.88		
CATTLE	NE-GAIN	MCAL/KG *	1.16	1.25		
CATTLE	NE-LACTATION	MCAL/KG *	(1.90)	(2.06)		
CHICKENS	PRODUCTIVE	KCAL/KG	1746.	1897.		2
CATTLE		TDN % *	74.3	80.7		
SHEEP		TDN %	78.5	85.2		1
SWINE		TDN %	(51.8)	(56.2)		2
CALCIUM		%	(1.32)	(1.43)	4	10
CHLORINE		%	(0.66)	(0.72)	62	4
IODINE		MG/KG	(0.716)	(0.778)		1
IRON		%	(0.001)	(0.001)		1
MAGNESIUM		%	(0.40)	(0.43)	42	4
MANGANESE		MG/KG	(3.4)	(3.7)	8	4
PHOSPHORUS		%	(0.93)	(1.01)	4	10
CHICKENS, CHICKS AVAILABLE		%	(0.91)	(0.99)		2
POTASSIUM		%	(0.85)	(0.92)	38	6
SODIUM		%	(0.73)	(0.79)	34	6
SULPHUR		%	(0.08)	(0.09)		2
A-TOCOPHEROL		MG/KG	(6.2)	(6.8)		1
BIOTIN		MG/KG	(0.29)	(0.32)	2	4
CHOLINE		MG/KG	(1706.)	(1853.)	13	6
FOLIC ACID		MG/KG	(0.40)	(0.43)	2	4
NIACIN		MG/KG	(8.5)	(9.3)	3	7
PANTOTHENIC ACID		MG/KG	(34.3)	(37.2)	30	15
PYRIDOXINE		MG/KG	(2.4)	(2.6)		1
RIBOFLAVIN		MG/KG	(31.3)	(34.0)	17	17
THIAMINE		MG/KG	(3.3)	(3.6)	17	4
VITAMIN B6		MG/KG	(2.40)	(2.60)		2
VITAMIN B12		UG/KG	(19.6)	(21.3)		3
VITAMIN A		IU/G	(2.1)	(2.3)		1
ARGININE		%	(1.08)	(1.17)	4	8
CYSTINE		%	(0.40)	(0.43)		4
GLUTAMIC ACID		%	(7.29)	(7.91)		2
GLYCINE		%	(0.34)	(0.37)		3
HISTIDINE		%	(0.33)	(0.90)	11	6
ISOLEUCINE		%	(2.31)	(2.51)	22	6
LEUCINE		%	(3.10)	(3.37)	8	5
LYSINE		%	(2.23)	(2.42)	8	8
METHIONINE		%	(0.72)	(0.78)	2	8
PHENYLALANINE		%	(1.45)	(1.57)	5	6
SERINE		%	(1.39)	(1.51)		1
THREONINE		%	(1.48)	(1.60)	10	6
TRYPTOPHAN		%	(0.47)	(0.51)	6	8
TYROSINE		%	(1.00)	(1.08)		2
VALINE		%	2.49	2.71	16	6

BOS SPP, CARCASS RESIDUE, DRY RENDERED DEHY GRND, (5)
MEAT, CATTLE, MEAL
BEEF SCRAP

REF NO 5-01-161

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.3	100.0	4	15
ORGANIC MATTER		%	(64.0)	(70.0)		
ASH		%	(27.4)	(30.0)	30	15
CRUDE FIBER		%	(1.3)	(1.4)	50	15
ETHER EXTRACT		%	(8.9)	(9.8)	34	15
NITROGEN FREE EXTRACT		%	(10.0)	(10.9)	40	15
PROTEIN		%	(43.8)	(48.0)	14	15
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(2.91)	(3.19)		
SHEEP	DE	MCAL/KG *	(2.09)	(2.29)		
CATTLE	ME	MCAL/KG *	(2.39)	(2.61)		
SHEEP	ME	MCAL/KG *	(1.72)	(1.88)		
CATTLE	NE-M	MCAL/KG *	(1.47)	(1.61)		
CATTLE	NE-GAIN	MCAL/KG *	(0.95)	(1.04)		
CATTLE	NE-LACTATION	MCAL/KG *	(1.62)	(1.77)		
CATTLE		TDN % *	(66.0)	(72.3)		
SHEEP		TDN % *	47.5	52.0		
PHOSPHORUS		%	(3.43)	(3.75)		3

BOS SPP, CASEIN, MILK ACID PRECIPITATED DEHY, MN 80% PROTEIN, (5)
CASEIN (AAFCO)
CASEIN, DRIED

REF NO 5-01-162

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(90.3)	(100.0)		5
ORGANIC MATTER		%	(87.4)	(96.8)		
ASH		%	(2.9)	(3.2)		2
SHEEP	DIG COEF	%	(3.)	(3.)		
CRUDE FIBER		%	(0.2)	(0.2)		1
ETHER EXTRACT		%	(0.7)	(0.8)		3
SHEEP	DIG COEF	%	(55.)	(55.)		1
NITROGEN FREE EXTRACT		%	(4.6)	(5.1)		2
SHEEP	DIG COEF	%	(111.)	(111.)		1
PROTEIN		%	(81.9)	(90.7)	2	4
SHEEP	DIG COEF	%	(97.)	(97.)		1
SHEEP	DIG PROT	%	(79.4)	(88.0)		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	(3.81)	(4.22)		
CHICKENS	ME-N	KCAL/KG	(4132.)	(4578.)		1
SHEEP	ME	MCAL/KG *	(3.12)	(3.46)		
SHEEP		TDN %	(86.4)	(95.7)		1
CALCIUM		%	0.41	0.45		3
COPPER		MG/KG	(4.0)	(4.4)		1
IODINE		MG/KG	(0.309)	(0.342)		1
MANGANESE		MG/KG	(3.6)	(4.0)		3
PHOSPHORUS		%	(0.83)	(0.93)		3
CHICKENS, CHICKS AVAILABLE		%	(1.00)	(1.11)		1
BIOTIN		MG/KG	(0.04)	(0.05)		1
CHOLINE		MG/KG	(205.)	(227.)		2
FOLIC ACID		MG/KG	(0.45)	(0.50)		2
NIACIN		MG/KG	(1.3)	(1.5)		2
PANTOTHENIC ACID		MG/KG	(2.6)	(2.9)		2
RIBOFLAVIN		MG/KG	(1.5)	(1.7)		2
THIAMINE		MG/KG	(0.4)	(0.5)		1
VITAMIN B6		MG/KG	(0.42)	(0.47)		2
ALANINE		%	(2.30)	(2.54)		1
ARGININE		%	(3.35)	(3.71)		2
ASPARTIC ACID		%	(5.99)	(6.64)		1
CYSTEINE		%	(0.50)	(0.55)		1
CYSTINE		%	(0.28)	(0.31)		2
GLUTAMIC ACID		%	(19.37)	(21.46)		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GLYCINE	%	(1.50)	(1.66)		2
HISTIDINE	%	(2.55)	(2.83)		2
ISOLEUCINE	%	(5.55)	(6.15)		2
LEUCINE	%	(8.66)	(9.59)		2
LYSINE	%	(7.00)	(7.76)		2
METHIONINE	%	(2.75)	(3.05)		2
PHENYLALANINE	%	(4.65)	(5.16)		2
PROLINE	%	(9.29)	(10.29)		1
SERINE	%	(5.19)	(5.75)		1
THREONINE	%	(3.85)	(4.27)		2
TRYPTOPHAN	%	(0.98)	(1.08)		2
TYROSINE	%	(4.55)	(5.04)		2
VALINE	%	6.60	7.32		2

BOS SPP, MILK, DEHY, (5)

REF NO 5-11-796

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.5	100.0		3
ORGANIC MATTER	%	84.7	92.6		3
ASH	%	6.8	7.4		3
ETHER EXTRACT	%	5.3	5.8		3
NITROGEN FREE EXTRACT	%	49.0	53.6		3
PROTEIN	%	(30.4)	(33.2)		3

BOS SPP, MILK, DEHY, FEED GR MX 8% MOISTURE MN 26% FAT, (5)
DRIED WHOLE MILK, FEED GRADE (AAFCO)
MILK, WHOLE, DRIED

REF NO 5-01-167

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(96.3)	(100.0)	2	4
ORGANIC MATTER	%	(90.7)	(94.2)		
ASH	%	(5.6)	(5.8)		3
CRUDE FIBER	%	(0.2)	(0.2)		2
ETHER EXTRACT	%	(26.8)	(27.8)		3
NITROGEN FREE EXTRACT	%	(39.5)	(41.0)		3
PROTEIN	%	(24.2)	(25.1)		3
ENERGY	GE KCAL/KG	(3582.)	(3721.)		2
SHEEP	DE MCAL/KG *	(5.21)	(5.41)		
SHEEP	ME MCAL/KG *	(4.27)	(4.43)		
SHEEP	TDN % *	(118.1)	(122.6)		
CALCIUM	%	(0.90)	(0.94)		3
CHLORINE	%	(1.49)	(1.55)		1
COPPER	MG/KG	(0.9)	(0.9)		1
IRON	%	(0.009)	(0.009)		2
MANGANESE	MG/KG	(0.5)	(0.5)		1
PHOSPHORUS	%	(0.72)	(0.74)		3
POTASSIUM	%	(1.13)	(1.18)		3
SODIUM	%	(0.38)	(0.40)		2
ASCORBIC ACID	MG/KG	(58.9)	(61.2)		1
BIOTIN	MG/KG	(0.39)	(0.40)		1
NIACIN	MG/KG	(7.9)	(8.3)		3
PANTOTHENIC ACID	MG/KG	(23.0)	(23.8)		2
RIBOFLAVIN	MG/KG	(18.0)	(18.7)		3
THIAMINE	MG/KG	(3.5)	(3.6)		3
VITAMIN B6	MG/KG	(4.76)	(4.94)		1
VITAMIN A	IU/G	(11.1)	(11.5)		1
VITAMIN A EQUIV	IU/G	(11.9)	(12.4)		
VITAMIN D2	IU/KG				1
ARGININE	%	(0.92)	(0.96)		1
HISTIDINE	%	(0.72)	(0.75)		1
ISOLEUCINE	%	(1.34)	(1.39)		1
LEUCINE	%	(2.57)	(2.67)		1
LYSINE	%	(2.26)	(2.35)		1
METHIONINE	%	(0.62)	(0.64)		1
PHENYLALANINE	%	(1.34)	(1.39)		1
THREONINE	%	(1.03)	(1.07)		1
TRYPTOPHAN	%	(0.41)	(0.43)		1
TYROSINE	%	(1.34)	(1.39)		1
VALINE	%	(1.75)	(1.81)		1

BOS SPP, MILK, FRESH, (5)
MILK, CATTLE, FRESH

REF NO 5-01-168

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(12.6)	(100.0)	1	8
ORGANIC MATTER	%	(11.9)	(94.2)		
ASH	%	(0.7)	(5.8)	7	5
ETHER EXTRACT	%	(3.6)	(28.5)	2	5
CATTLE	DIG COEF %	(100.)	(100.)		1
SHEEP	DIG COEF %	(98.)	(98.)		1
SWINE	DIG COEF %	(96.)	(96.)		1
NITROGEN FREE EXTRACT	%	(4.8)	(37.9)	2	5
CATTLE	DIG COEF %	(99.)	(99.)		1
SHEEP	DIG COEF % *	(98.)	(98.)		
SWINE	DIG COEF %	(97.)	(97.)		1
PROTEIN	%	(3.5)	(27.8)	3	5
CATTLE	DIG COEF %	(96.)	(96.)		1
SHEEP	DIG COEF %	(95.)	(95.)		1
SWINE	DIG COEF %	(97.)	(97.)		1
CATTLE	DIG PROT %	(3.4)	(26.7)		
SHEEP	DIG PROT %	(3.3)	(26.4)		
SWINE	DIG PROT %	(3.4)	(26.9)		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG	(650.)	(5157.)		2
CATTLE	DE MCAL/KG *	(0.71)	(5.66)		
SHEEP	DE MCAL/KG *	(0.71)	(5.61)		
SWINE	DE KCAL/KG *	(690.)	(5476.)		
CATTLE	ME MCAL/KG *	(0.58)	(4.64)		
SHEEP	ME MCAL/KG *	(0.58)	(4.60)		
SWINE	ME KCAL/KG *	(624.)	(4950.)		
CATTLE	NE-M MCAL/KG *	(0.57)	(4.52)		
CATTLE	NE-GAIN MCAL/KG *	(0.25)	(2.01)		
CATTLE	NE-LACTATION MCAL/KG *	(0.47)	(3.70)		
CATTLE	TDN %	(16.2)	(128.3)		1
SHEEP	TDN % *	(16.0)	(127.3)		
SWINE	TDN %	(15.6)	(124.2)		1
CALCIUM	%	(0.12)	(0.93)		3
CHLORINE	%	(0.20)	(1.56)		1
COPPER	MG/KG	(0.0)	(0.3)		1
PHOSPHORUS	%	(0.09)	(0.75)		3
POTASSIUM	%	(0.14)	(1.11)		3
SODIUM	%	(0.05)	(0.39)		3
ASCORBIC ACID	MG/KG	(9.9)	(78.7)		2
A-TOCOPHEROL	MG/KG	(1.2)	(9.5)		1
NIACIN	MG/KG	(1.2)	(9.8)		3
PANTOTHENIC ACID	MG/KG	(2.8)	(22.4)		1
RIBOFLAVIN	MG/KG	(1.5)	(12.1)	23	4
THIAMINE	MG/KG	(0.3)	(2.7)		3
VITAMIN A	IU/G	(1.4)	(11.4)		2
VITAMIN A EQUIV	IU/G	(1.4)	(11.5)		
ARGININE	%	(0.14)	(1.09)		1
HISTIDINE	%	(0.10)	(0.78)		1
ISOLEUCINE	%	(0.32)	(2.58)		1
LEUCINE	%	(0.26)	(2.03)		1
LYSINE	%	(0.26)	(2.03)		1
METHIONINE	%	(0.07)	(0.55)		1
PHENYLALANINE	%	(0.17)	(1.33)		1
THREONINE	%	(0.17)	(1.33)		1
TRYPTOPHAN	%	(0.05)	(0.39)		1
VALINE	%	(0.26)	(2.03)		1

BOS SPP, MILK, SKIMMED CENTRIFUGAL, (5)
SKIMMILK, CENTRIFUGAL

REF NO 5-01-170

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(9.4)	(100.0)	2	4
ORGANIC MATTER	%	8.7	92.8		
ASH	%	0.7	7.2		3
CRUDE FIBER	%				
CATTLE	DIG COEF %	96.	96.		1
ETHER EXTRACT	%	0.1	1.0		3
CATTLE	DIG COEF %	38.	38.		1
SWINE	DIG COEF %	151.	151.		1
NITROGEN FREE EXTRACT	%	5.4	57.3		3
CATTLE	DIG COEF %	100.	100.		1
SWINE	DIG COEF %	102.	102.		1
PROTEIN	%	3.3	34.5		3
SWINE	DIG COEF %	98.	98.		1
SWINE	DIG PROT %	3.2	33.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.38	3.98		
SHEEP	DE MCAL/KG *	0.38	4.04		
SWINE	DE KCAL/KG *	408.	4330.		
CATTLE	ME MCAL/KG *	0.31	3.26		
SHEEP	ME MCAL/KG *	0.31	3.31		
SWINE	ME KCAL/KG *	363.	3855.		
CATTLE	NE-M MCAL/KG *	0.21	2.25		
CATTLE	NE-GAIN MCAL/KG *	0.14	1.46		
CATTLE	NE-LACTATION MCAL/KG *	0.23	2.39		
CATTLE	TDN %	8.5	90.3		1
SHEEP	TDN % *	8.6	91.6		
SWINE	TDN %	(9.3)	(98.2)		1
CALCIUM	%	(0.13)	(1.37)		1
COPPER	MG/KG	(1.1)	(11.6)		1
IRON	%	(0.000)	(0.005)		1
MAGNESIUM	%	(0.01)	(0.11)		1
MANGANESE	MG/KG	(0.2)	(2.3)		1
PHOSPHORUS	%	(0.10)	(1.05)		1
POTASSIUM	%	(0.15)	(1.58)		1
SULPHUR	%	(0.03)	(0.32)		1
NIACIN	MG/KG	(1.1)	(11.6)		1
PANTOTHENIC ACID	MG/KG	(3.5)	(37.1)		1
RIBOFLAVIN	MG/KG	(2.0)	(20.9)		1
THIAMINE	MG/KG	0.4	4.6		1

BOS SPP, MILK, SKIMMED DEHY, MX 8% MOISTURE, (5)
DRIED SKIMMED MILK, FEED GRADE (AAFCO)
MILK, SKIMMED, DRIED
SKIMMILK, DRIED

REF NO 5-01-175

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.1	100.0	2	31
ORGANIC MATTER	%	(86.5)	(91.9)	13	3
ASH	%	(7.4)	(7.9)	13	11
SHEEP	DIG COEF %	(8.)	(8.)		
CRUDE FIBER	%	(8.5)	(9.1)	98	4
ETHER EXTRACT	%	(2.9)	(3.0)	98	11

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG COEF %	(102.)	(102.)		1
SWINE	DIG COEF %	(122.)	(122.)		1
NITROGEN FREE EXTRACT	%	(43.7)	(46.4)	6	11
SHEEP	DIG COEF %	(93.)	(93.)		1
SWINE	DIG COEF %	(97.)	(97.)		1
PROTEIN	%	(31.6)	(33.6)	9	13
SHEEP	DIG COEF %	(90.)	(90.)		1
SWINE	DIG COEF %	(98.)	(98.)		1
SHEEP	DIG PROT %	(28.4)	(30.2)		
SWINE	DIG PROT %	(31.0)	(32.9)		
ENERGY	GE KCAL/KG	(2547.)	(2708.)		2
CATTLE	DE MCAL/KG *	(3.22)	(3.42)		
SHEEP	DE MCAL/KG *	(3.56)	(3.78)		
SWINE	DE KCAL/KG *	(3818.)	(4058.)		
CATTLE	ME MCAL/KG *	(2.64)	(2.80)		
CHICKENS	ME-N KCAL/KG	(2541.)	(2701.)		3
SHEEP	ME MCAL/KG *	(2.92)	(3.10)		
SWINE	ME KCAL/KG	(3451.)	(3668.)		1
CATTLE	NE-M MCAL/KG *	(1.67)	(1.78)		
CATTLE	NE-GAIN MCAL/KG *	(1.11)	(1.18)		
CATTLE NE-LACTATION	MCAL/KG *	(1.84)	(1.95)		
CHICKENS PRODUCTIVE	KCAL/KG	(1437.)	(1528.)		2
CATTLE	TDN % *	(73.0)	(77.6)		
SHEEP	TDN %	(80.7)	(85.8)		1
SWINE	TDN %	(86.6)	(92.0)		2
CALCIUM	%	(1.26)	(1.34)	5	10
CHLORINE	%	(0.51)	(0.54)		2
COBALT	MG/KG	(0.110)	(0.117)		1
COPPER	MG/KG	(11.6)	(12.3)		3
IRON	%	(0.434)	(0.462)	98	5
MAGNESIUM	%	(0.11)	(0.12)		2
MANGANESE	MG/KG	1.9	2.1	26	5
PHOSPHORUS	%	(1.00)	(1.06)	4	10
CHICKENS, CHICKS AVAILABLE	%	(1.02)	(1.08)		2
POTASSIUM	%	(1.60)	(1.70)	6	6
SELENIUM	MG/KG	(0.123)	(0.131)		1
SODIUM	%	(0.45)	(0.47)		3
SULPHUR	%	(0.32)	(0.34)		1
ZINC	MG/KG	(40.0)	(42.6)		1
A-TOCOPHEROL	MG/KG	(4.8)	(5.1)		2
BIOTIN	MG/KG	(0.33)	(0.35)	1	4
CHOLINE	MG/KG	(1405.)	(1493.)	4	6
FOLIC ACID	MG/KG	(0.47)	(0.50)	63	4
NIACIN	MG/KG	(11.2)	(11.9)	11	7
PANTOTHENIC ACID	MG/KG	(37.2)	(39.6)	12	16
PYRIDOXINE	MG/KG	4.0	4.2		1
RIBOFLAVIN	MG/KG	(19.1)	(20.3)	17	18
THIAMINE	MG/KG	(3.5)	(3.7)	2	4
VITAMIN B6	MG/KG	(4.39)	(4.67)		2
VITAMIN B12	UG/KG	(37.4)	(39.8)		3
VITAMIN A	IU/G	(0.3)	(0.3)		1
VITAMIN D2	IU/KG				1
ARGININE	%	(1.13)	(1.20)	4	8
CYSTINE	%	(0.44)	(0.47)	9	7
GLUTAMIC ACID	%	(6.81)	(7.24)		2
GLYCINE	%	(0.27)	(0.29)	69	7
HISTIDINE	%	(0.85)	(0.90)	5	6
ISOLEUCINE	%	(2.16)	(2.30)	5	6
LEUCINE	%	(3.26)	(3.47)	2	5
LYSINE	%	(2.41)	(2.57)	10	8
METHIONINE	%	(0.94)	(1.00)	9	8
PHENYLALANINE	%	(1.59)	(1.69)	5	6
SERINE	%	(1.60)	(1.70)		1
THREONINE	%	(1.61)	(1.72)	10	6
TRYPTOPHAN	%	(0.44)	(0.47)	6	8
TYROSINE	%	(1.14)	(1.21)		3
VALINE	%	2.32	2.47	4	6

BOS SPP, MILK, SPRAY DEHY, (5)

REF NO 5-11-797

DRY MATTER	%	94.7	100.0		1
ORGANIC MATTER	%	89.2	94.2		
ASH	%	5.5	5.8		1
CRUDE FIBER	%	0.4	0.4		1
ETHER EXTRACT	%	24.9	26.3		1
NITROGEN FREE EXTRACT	%	38.1	40.2		
PROTEIN	%	25.9	27.3		1
CALCIUM	%	0.96	1.01		1
PHOSPHORUS	%	(0.71)	(0.75)		1

BOS SPP, WHEY ALBUMIN, HEAT AND ACID PRECIPITATED DEHY, MN 75% PROTEIN, (5)
DRIED MILK ALBUMIN (AAFCO)
MILK, ALBUMIN, DRIED
LACTALBUMIN, DRIED

REF NO 5-01-177

DRY MATTER	%	(92.1)	(100.0)		3
ORGANIC MATTER	%	(63.0)	(68.4)		
ASH	%	(29.1)	(31.6)		2
CRUDE FIBER	%	(0.8)	(0.9)		2
ETHER EXTRACT	%	(1.0)	(1.1)		2
NITROGEN FREE EXTRACT	%	(12.8)	(13.9)		2
PROTEIN	%	(48.4)	(52.5)		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	(2.58)	(2.80)		
SHEEP	ME MCAL/KG *	(2.12)	(2.30)		
SHEEP	TDN % *	(58.6)	(63.6)		
CALCIUM	%	(10.86)	(11.79)		2
PHOSPHORUS	%	(4.03)	(4.37)		2
NIACIN	MG/KG	(2.0)	(2.1)		1
PANTOTHENIC ACID	MG/KG	(7.3)	(7.9)		1
RIBOFLAVIN	MG/KG	(8.8)	(9.6)		1
THIAMINE	MG/KG	(0.7)	(0.7)		1

BOS SPP COTTAGE, CHEESE, (5)
COTTAGE CHEESE

REF NO 5-08-001

DRY MATTER	%	(21.0)	(100.0)		1
ORGANIC MATTER	%	20.0	95.2		
ASH	%	1.0	4.8		1
ETHER EXTRACT	%	0.3	1.4		1
NITROGEN FREE EXTRACT	%	2.7	12.9		1
PROTEIN	%	17.0	81.0		1
ENERGY	GE KCAL/KG	(860.)	(4095.)		1
CALCIUM	%	(0.09)	(0.43)		1
PHOSPHORUS	%	(0.18)	(0.86)		1
POTASSIUM	%	(0.07)	(0.33)		1
SODIUM	%	(0.29)	(1.38)		1
NIACIN	MG/KG	(1.0)	(4.8)		1
RIBOFLAVIN	MG/KG	(2.8)	(13.3)		1
THIAMINE	MG/KG	(0.3)	(1.4)		1
VITAMIN A	IU/G	0.1	0.5		1

BOS TAURUS, CATTLE

BOS TAURUS, WHEY, DEHY, (4)

REF NO 4-11-799

DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.2		
ASH	%		11.8	36	4
ETHER EXTRACT	%		0.3	52	4
NITROGEN FREE EXTRACT	%		76.7	10	4
PROTEIN	%		10.8	40	4
CATTLE	DIG PROT % *		6.0		
GOATS	DIG PROT % *		7.2		
HORSES	DIG PROT % *		7.2		
SHEEP	DIG PROT % *		7.2		

BOS TAURUS, BLOOD, DEHY GRND, (5)

REF NO 5-10-109

DRY MATTER	%	91.7	100.0	1	19
ORGANIC MATTER	%	87.0	94.9		1
ASH	%	4.6	5.1		1
CRUDE FIBER	%	0.6	0.7		1
ETHER EXTRACT	%	0.5	0.6		1
NITROGEN FREE EXTRACT	%	-1.8	-1.9		1
PROTEIN	%	87.6	95.6	3	19
CALCIUM	%	0.06	0.07		1
IRON	%	0.222	0.242		1
PHOSPHORUS	%	1.08	1.18		1
NIACIN	MG/KG	39.3	42.9		
RIBOFLAVIN	MG/KG				
THIAMINE	MG/KG				

BOS TAURUS, CARCASS RESIDUE, DRY RENDERED DEHY GRND, (5)

REF NO 5-10-110

DRY MATTER	%	93.0	100.0	1	11
ORGANIC MATTER	%	67.7	72.8		1
ASH	%	25.3	27.2		1
ETHER EXTRACT	%	7.4	8.0	31	11
NITROGEN FREE EXTRACT	%	5.8	6.2		1
PROTEIN	%	78.3	84.2	12	11
CALCIUM	%	10.25	11.02		1
IRON	%	0.891	0.958		1
PHOSPHORUS	%	3.78	4.07		1

BOS TAURUS, CARCASS RESIDUE W BONE, DRY RENDERED DEHY GRND, (5)

REF NO 5-10-111

DRY MATTER	%	95.7	100.0	1	11
ORGANIC MATTER	%	53.1	55.5		1
ASH	%	42.6	44.5		1
ETHER EXTRACT	%	10.2	10.7	30	11
NITROGEN FREE EXTRACT	%	4.9	5.1		1
PROTEIN	%	62.7	65.5	12	11

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BOS TAURUS, LIVERS, DEHY GRND, (5)					
REF NO 5-10-102					
DRY MATTER	%	91.6	100.0	1	14
ETHER EXTRACT	%	12.2	13.3	9	14
PROTEIN	%	71.0	77.5	1	14
BOS TAURUS, MILK, DEHY, (5)					
REF NO 5-13-771					
DRY MATTER	%	95.8	100.0		1
ORGANIC MATTER	%	89.9	93.8		1
ASH	%	5.9	6.1		2
CRUDE FIBER	%	0.2	0.2		1
ETHER EXTRACT	%	22.9	23.9		2
NITROGEN FREE EXTRACT	%	40.2	41.9		2
PROTEIN	%	26.7	27.8		2
CALCIUM	%	2.67	2.79		1
IRON	%	0.001	0.001		1
PHOSPHORUS	%	0.26	0.27		1
BOS TAURUS, MILK, SKIMMED DEHY, (5)					
REF NO 5-11-798					
DRY MATTER	%	93.4	100.0	2	4
ORGANIC MATTER	%	(85.8)	(91.9)	3	4
ASH	%	(7.6)	(8.1)	3	5
ETHER EXTRACT	%	(3.6)	(3.8)	81	5
NITROGEN FREE EXTRACT	%	(49.7)	(53.2)	6	5
PROTEIN	%	32.5	34.8	6	5
BOS TAURUS, BONES, DEHY GRND, (6)					
REF NO 6-10-104					
DRY MATTER	%	96.2	100.0		10
ORGANIC MATTER	%	20.4	21.2		
ASH	%	75.9	78.9		2
CRUDE FIBER	%	1.6	1.7		1
ETHER EXTRACT	%	9.4	9.8	25	11
NITROGEN FREE EXTRACT	%	-11.0	-11.5		1
PROTEIN	%	20.3	21.1	22	11
CALCIUM	%	23.64	24.57	36	11
PHOSPHORUS	%	11.47	11.92	19	11

BOTHRIOCHLOA INSCULPTA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BOTHRIOCHLOA INSCULPTA INSCULPTA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-11-780					
DRY MATTER	%	42.3	100.0		1
ORGANIC MATTER	%	39.0	92.2		1
ASH	%	3.3	7.8		1
CRUDE FIBER	%	12.7	30.1		1
ETHER EXTRACT	%	1.2	2.9		1
NITROGEN FREE EXTRACT	%	23.6	55.9		1
PROTEIN	%	1.4	3.3		1
CATTLE DIG PROT % *		0.3	0.7		
GOATS DIG PROT % *		-0.2	-0.4		
HORSES DIG PROT % *		0.1	0.3		
RABBITS DIG PROT % *		0.5	1.2		
SHEEP DIG PROT % *		0.0	0.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.12	2.65		
SHEEP DE MCAL/KG *		1.09	2.59		
CATTLE ME MCAL/KG *		0.92	2.18		
SHEEP ME MCAL/KG *		0.90	2.12		
CATTLE NE-M MCAL/KG *		0.55	1.29		
CATTLE NE-GAIN MCAL/KG *		0.28	0.66		
CATTLE NE-LACTATION MCAL/KG *		0.57	1.36		
CATTLE TDN % *		25.5	60.2		
SHEEP TDN % *		24.8	58.6		

BOTHRIOCHLOA PERTUSA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BOTHRIOCHLOA PERTUSA PERTUSA, AERIAL PART, FRESH, (2)					
REF NO 2-11-781					
DRY MATTER	%	32.9	100.0		1
ORGANIC MATTER	%	29.8	90.6		
ASH	%	3.1	9.4		1
ETHER EXTRACT	%	0.6	1.7		1
NITROGEN FREE EXTRACT	%	15.0	45.7		1
CELLULOSE (CRAMPTON)	%	11.3	34.3		1
CALCIUM	%	0.15	0.46		1
COBALT	MG/KG	0.030	0.090		1
IRON	%	0.007	0.021		1
MAGNESIUM	%	0.04	0.12		1
MANGANESE	MG/KG	9.2	28.0		1
MOLYBDENUM	MG/KG	0.02	0.05		1
ZINC	MG/KG	11.5	35.0		1
BOTHRIOCHLOA PERTUSA PERTUSA, AERIAL PART, FRESH, EARLY BLOOM, (2)					
REF NO 2-11-782					
DRY MATTER	%	34.7	100.0		1
ORGANIC MATTER	%	30.6	88.3		
ASH	%	4.1	11.7		1
ETHER EXTRACT	%	0.3	1.0		1
NITROGEN FREE EXTRACT	%	16.2	46.7		1
PROTEIN	%	2.0	5.7		1
CATTLE DIG PROT % *		0.9	2.7		
GOATS DIG PROT % *		0.7	1.9		
HORSES DIG PROT % *		0.8	2.4		
RABBITS DIG PROT % *		1.1	3.1		
SHEEP DIG PROT % *		0.8	2.3		
CELLULOSE (CRAMPTON)	%	11.8	34.0		1
CALCIUM	%	0.20	0.58		1
PHOSPHORUS	%	0.05	0.15		1
POTASSIUM	%	0.39	1.13		1
SODIUM	%	0.01	0.02		1
BOTHRIOCHLOA PERTUSA PERTUSA, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-11-783					
DRY MATTER	%	46.4	100.0		1
ORGANIC MATTER	%	40.4	87.1		
ASH	%	6.0	12.9		1
ETHER EXTRACT	%	0.6	1.2		1
NITROGEN FREE EXTRACT	%	22.6	48.7		1
CELLULOSE (CRAMPTON)	%	15.1	32.6		1
CALCIUM	%	0.36	0.78		1
COBALT	MG/KG	0.032	0.070		1
COPPER	MG/KG	5.6	12.0		1
IRON	%	0.010	0.022		1
MAGNESIUM	%	0.04	0.08		1
MANGANESE	MG/KG	33.4	72.0		1
MOLYBDENUM	MG/KG	0.62	1.33		1
ZINC	MG/KG	20.4	44.0		1
BOTHRIOCHLOA PERTUSA PERTUSA, AERIAL PART, FRESH, POST RIPE, (2)					
REF NO 2-11-784					
DRY MATTER	%	41.8	100.0		1
ORGANIC MATTER	%	37.4	89.4		
ASH	%	4.4	10.6		1
ETHER EXTRACT	%	0.4	0.9		1
NITROGEN FREE EXTRACT	%	19.9	47.6		1
PROTEIN	%	1.5	3.7		1
CATTLE DIG PROT % *		0.4	1.0		
GOATS DIG PROT % *					
HORSES DIG PROT % *		0.3	0.7		
RABBITS DIG PROT % *		0.6	1.5		
SHEEP DIG PROT % *		0.2	0.4		
CELLULOSE (CRAMPTON)	%	15.3	36.6		1
CALCIUM	%	0.29	0.69		1
PHOSPHORUS	%	0.04	0.09		1
POTASSIUM	%	0.25	0.59		1
SODIUM	%	0.01	0.02		1

BOTHRIOCHLOA SPP, BOTHRIOCHLOA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BOTHRIOCHLOA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-11-785					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.2		
ASH	%		12.8		1
CRUDE FIBER	%		33.2		1
ETHER EXTRACT	%		2.8		1
NITROGEN FREE EXTRACT	%		42.4		1
PROTEIN	%		8.9		1
CATTLE DIG PROT % *			5.4		
GOATS DIG PROT % *			4.8		
HORSES DIG PROT % *			5.0		
RABBITS DIG PROT % *			5.5		
SHEEP DIG PROT % *			5.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.26		
SHEEP DE MCAL/KG *			2.49		
CATTLE ME MCAL/KG *			1.85		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	NE	MCAL/KG *		2.04		
CATTLE	NE-M	MCAL/KG *		1.09		
CATTLE	NE-GAIN	MCAL/KG *		0.33		
CATTLE	NE-LACTATION	MCAL/KG *		1.05		
CATTLE	TDN	% *		51.2		
SHEEP	TDN	% *		56.5		

BOUTELOUA AMERICANA, GRAMA, AMERICAN

BOUTELOUA AMERICANA AMERICAN, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-604

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		2
ORGANIC MATTER		%	21.5	85.9		2
ASH		%	3.5	14.1		2
CRUDE FIBER		%	7.1	28.4		2
ETHER EXTRACT		%	0.9	3.5		2
NITROGEN FREE EXTRACT		%	11.6	46.4		2
PROTEIN		%	1.9	7.8		2
CATTLE	DIG PROT	% *	1.1	4.5		
GOATS	DIG PROT	% *	0.9	3.8		
HORSES	DIG PROT	% *	1.0	3.1		
RABBITS	DIG PROT	% *	1.2	4.7		
SHEEP	DIG PROT	% *	1.1	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.52		
SHEEP	DE	MCAL/KG *	0.63	2.53		
CATTLE	ME	MCAL/KG *	0.52	2.07		
SHEEP	ME	MCAL/KG *	0.52	2.08		
CATTLE	NE-M	MCAL/KG *	0.31	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.26		
CATTLE	TDN	% *	14.3	57.3		
SHEEP	TDN	% *	14.3	57.4		
CALCIUM		%	0.10	0.39		2
PHOSPHORUS		%	0.03	0.12		2

BOUTELOUA CHASEI, GRAMA, CHASEI

BOUTELOUA CHASEI CHASEI, AERIAL PART, DEHY,

REF NO 1-15-449

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	97.1	100.0	1	24
ORGANIC MATTER		%	87.7	90.3		
ASH		%	9.4	9.7	14	24
CRUDE FIBER		%	29.2	30.1	5	24
ETHER EXTRACT		%	2.2	2.2	13	24
NITROGEN FREE EXTRACT		%	50.4	51.9	3	24
PROTEIN		%	6.0	6.2	13	24
CATTLE	DIG PROT	% *	2.2	2.3		
GOATS	DIG PROT	% *	2.2	2.3		
HORSES	DIG PROT	% *	2.7	2.8		
RABBITS	DIG PROT	% *	3.3	3.4		
SHEEP	DIG PROT	% *	2.0	2.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.26	2.33		
HORSES	DE	MCAL/KG *	1.72	1.77		
SHEEP	DE	MCAL/KG *	2.21	2.27		
CATTLE	ME	MCAL/KG *	1.86	1.91		
HORSES	ME	MCAL/KG *	1.41	1.45		
SHEEP	ME	MCAL/KG *	1.81	1.86		
CATTLE	NE-M	MCAL/KG *	1.09	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.38	0.39		
CATTLE	NE-LACTATION	MCAL/KG *	1.07	1.10		
CATTLE	TDN	% *	51.3	52.9		
HORSES	TDN	% *	42.6	43.8		
SHEEP	TDN	% *	50.1	51.5		

BOUTELOUA CHASEI CHASEI, AERIAL PART, FRESH, STEM CURED, CUT 1, (2)

REF NO 2-13-627

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.0		
ASH		%		10.0		1
CRUDE FIBER		%		28.9		1
ETHER EXTRACT		%		3.1		1
NITROGEN FREE EXTRACT		%		51.8		1
PROTEIN		%		6.2		1
CATTLE	DIG PROT	% *		3.2		
GOATS	DIG PROT	% *		2.3		
HORSES	DIG PROT	% *		2.8		
RABBITS	DIG PROT	% *		3.5		
SHEEP	DIG PROT	% *		2.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.70		
SHEEP	DE	MCAL/KG *		2.60		
CATTLE	ME	MCAL/KG *		2.21		
SHEEP	ME	MCAL/KG *		2.13		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.70		
CATTLE	NE-LACTATION	MCAL/KG *		1.39		
CATTLE	TDN	% *		61.2		
SHEEP	TDN	% *		59.0		

BOUTELOUA FILIFORMIS, GRAMA, SLENDER

BOUTELOUA FILIFORMIS SLENDER, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-885

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	21.5	85.9		1
ASH		%	3.5	14.1		1
CRUDE FIBER		%	7.3	29.1		1
ETHER EXTRACT		%	0.4	1.6		1
NITROGEN FREE EXTRACT		%	12.5	50.0		1
PROTEIN		%	1.3	5.2		1
CATTLE	DIG PROT	% *	0.6	2.3		
GOATS	DIG PROT	% *	0.4	1.4		
HORSES	DIG PROT	% *	0.5	1.9		
RABBITS	DIG PROT	% *	0.7	2.7		
SHEEP	DIG PROT	% *	0.5	1.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.61	2.42		
SHEEP	DE	MCAL/KG *	0.61	2.46		
CATTLE	ME	MCAL/KG *	0.50	1.99		
SHEEP	ME	MCAL/KG *	0.50	2.02		
CATTLE	NE-M	MCAL/KG *	0.29	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.16		
CATTLE	TDN	% *	13.7	54.9		
SHEEP	TDN	% *	13.9	55.8		
CALCIUM		%	0.10	0.41		1
PHOSPHORUS		%	0.05	0.25		1

BOUTELOUA FILIFORMIS SLENDER, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-13-886

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	5.0	19.8		1
ASH		%	5.2	20.6		1
CRUDE FIBER		%	7.4	29.6		1
ETHER EXTRACT		%	0.3	1.3		1
NITROGEN FREE EXTRACT		%	11.1	44.5		1
PROTEIN		%	1.0	4.0		1
CATTLE	DIG PROT	% *	0.3	1.3		
GOATS	DIG PROT	% *	0.1	0.3		
HORSES	DIG PROT	% *	0.2	0.9		
RABBITS	DIG PROT	% *	0.4	1.8		
SHEEP	DIG PROT	% *	0.2	0.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.37		
SHEEP	DE	MCAL/KG *	0.56	2.23		
CATTLE	ME	MCAL/KG *	0.49	1.95		
SHEEP	ME	MCAL/KG *	0.46	1.83		
CATTLE	NE-M	MCAL/KG *	0.29	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.14		
CATTLE	TDN	% *	13.5	53.9		
SHEEP	TDN	% *	12.7	50.7		
CALCIUM		%	0.11	0.45		1
PHOSPHORUS		%	0.03	0.12		1

BOUTELOUA TRIFIDA, GRAMA, RED

BOUTELOUA TRIFIDA RED, AERIAL PART, FRESH, (2)

REF NO 2-13-362

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	68.7	100.0		1
ORGANIC MATTER		%	60.0	87.3		
ASH		%	8.7	12.7	46	6
CRUDE FIBER		%	18.9	27.5	3	6
ETHER EXTRACT		%	4.3	6.3	98	6
NITROGEN FREE EXTRACT		%	30.1	43.9	11	6
PROTEIN		%	6.7	9.7	39	6
CATTLE	DIG PROT	% *	4.2	6.1		
GOATS	DIG PROT	% *	3.8	5.6		
HORSES	DIG PROT	% *	4.0	5.8		
RABBITS	DIG PROT	% *	4.2	6.1		
SHEEP	DIG PROT	% *	4.1	6.0		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.73	2.53		
SHEEP	ME	MCAL/KG *	1.42	2.07		
SHEEP	TDN	% *	39.3	57.3		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BOUTELOUA TRIFIDA RED, AERIAL PART, FRESH, CUT 1, (2)					
REF NO 2-13-628					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.8		
ASH	%		7.2		2
CRUDE FIBER	%		18.9		2
ETHER EXTRACT	%		2.3		2
NITROGEN FREE EXTRACT	%		67.2		2
PROTEIN	%		4.4		2
CATTLE DIG PROT	% *		1.6		
GOATS DIG PROT	% *		0.7		
HORSES DIG PROT	% *		1.3		
RABBITS DIG PROT	% *		2.1		
SHEEP DIG PROT	% *		1.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		3.67		
SHEEP DE	MCAL/KG *		3.09		
CATTLE ME	MCAL/KG *		3.01		
SHEEP ME	MCAL/KG *		2.53		
CATTLE NE-M	MCAL/KG *		1.97		
CATTLE NE-GAIN	MCAL/KG *		1.32		
CATTLE NE-LACTATION	MCAL/KG *		2.15		
CATTLE TDN	% *		83.3		
SHEEP TDN	% *		70.1		

BRACHIARIA BRIZANTHA, SIGNALGRASS, PALISADE

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BRACHIARIA BRIZANTHA PALISADE, AERIAL PART, DEHY, (1)					
REF NO 1-15-448					
DRY MATTER	%	95.3	100.0		2
ORGANIC MATTER	%	84.8	89.0		
ASH	%	10.5	11.0		2
CRUDE FIBER	%	30.7	32.2		2
ETHER EXTRACT	%	1.2	1.3		2
NITROGEN FREE EXTRACT	%	46.6	48.9		2
PROTEIN	%	6.3	6.7		2
CATTLE DIG PROT	% *	2.6	2.7		
GOATS DIG PROT	% *	2.6	2.8		
HORSES DIG PROT	% *	3.0	3.2		
RABBITS DIG PROT	% *	3.6	3.8		
SHEEP DIG PROT	% *	2.4	2.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.07	2.17		
HORSES DE	MCAL/KG *	1.50	1.58		
SHEEP DE	MCAL/KG *	2.09	2.19		
CATTLE ME	MCAL/KG *	1.69	1.78		
HORSES ME	MCAL/KG *	1.23	1.29		
SHEEP ME	MCAL/KG *	1.71	1.80		
CATTLE NE-M	MCAL/KG *	1.00	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.23	0.24		
CATTLE NE-LACTATION	MCAL/KG *	0.93	0.98		
CATTLE TDN	% *	46.8	49.2		
HORSES TDN	% *	36.6	38.4		
SHEEP TDN	% *	47.4	49.7		
BRACHIARIA BRIZANTHA PALISADE, AERIAL PART, FRESH, (2)					
REF NO 2-09-973					
DRY MATTER	%	21.7	100.0		3
ORGANIC MATTER	%	19.1	88.0		1
ASH	%	2.2	10.0		3
CRUDE FIBER	%	7.0	32.4	17	4
ETHER EXTRACT	%	0.6	2.6	18	4
NITROGEN FREE EXTRACT	%	9.4	43.5	9	4
PROTEIN	%	2.5	11.5	32	4
CATTLE DIG PROT	% *	1.7	7.7		
GOATS DIG PROT	% *	1.6	7.3		
HORSES DIG PROT	% *	1.6	7.3		
RABBITS DIG PROT	% *	1.6	7.5		
SHEEP DIG PROT	% *	1.7	7.7		
ENERGY GE	CAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.47		
SHEEP DE	MCAL/KG *	0.56	2.60		
CATTLE ME	MCAL/KG *	0.44	2.03		
SHEEP ME	MCAL/KG *	0.46	2.13		
CATTLE NE-M	MCAL/KG *	0.26	1.19		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.51		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.21		
CATTLE TDN	% *	12.1	56.0		
SHEEP TDN	% *	12.8	59.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
BRACHIARIA BRIZANTHA PALISADE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-09-974					
DRY MATTER	%	22.4	100.0	7	9
ORGANIC MATTER	%	19.8	88.3	8	9
ASH	%	2.6	11.7	8	9
CRUDE FIBER	%	7.1	31.8	11	9
ETHER EXTRACT	%	0.6	2.8	20	9
NITROGEN FREE EXTRACT	%	9.7	43.1	7	9
PROTEIN	%	2.4	10.6	18	9
CATTLE DIG PROT	% *	1.6	6.9		
GOATS DIG PROT	% *	1.5	6.5		
HORSES DIG PROT	% *	1.5	6.5		
RABBITS DIG PROT	% *	1.5	6.9		
SHEEP DIG PROT	% *	1.5	6.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.41		
SHEEP DE	MCAL/KG *	0.56	2.57		
CATTLE ME	MCAL/KG *	0.44	1.97		
SHEEP ME	MCAL/KG *	0.47	2.10		
CATTLE NE-M	MCAL/KG *	0.26	1.16		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.46		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.17		
CATTLE TDN	% *	12.3	54.6		
SHEEP TDN	% *	13.1	58.2		
BRACHIARIA BRIZANTHA PALISADE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)					
REF NO 2-09-983					
DRY MATTER	%	25.9	100.0	8	7
ORGANIC MATTER	%	22.8	88.2	4	7
ASH	%	3.0	11.8	4	7
CRUDE FIBER	%	8.4	32.4	18	7
ETHER EXTRACT	%	0.8	3.2	23	7
NITROGEN FREE EXTRACT	%	11.3	43.5	10	7
PROTEIN	%	2.3	8.9	22	7
CATTLE DIG PROT	% *	1.4	5.5		
GOATS DIG PROT	% *	1.3	4.9		
HORSES DIG PROT	% *	1.3	5.1		
RABBITS DIG PROT	% *	1.4	5.6		
SHEEP DIG PROT	% *	1.4	5.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.61	2.34		
SHEEP DE	MCAL/KG *	0.65	2.53		
CATTLE ME	MCAL/KG *	0.50	1.92		
SHEEP ME	MCAL/KG *	0.54	2.08		
CATTLE NE-M	MCAL/KG *	0.29	1.13		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.40		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.11		
CATTLE TDN	% *	13.7	53.1		
SHEEP TDN	% *	14.8	57.4		
BRACHIARIA BRIZANTHA PALISADE, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)					
REF NO 2-09-990					
DRY MATTER	%	25.2	100.0	12	5
ORGANIC MATTER	%	22.3	88.3	7	5
ASH	%	2.9	11.7	7	5
CRUDE FIBER	%	8.2	32.7	25	5
ETHER EXTRACT	%	0.7	2.7	19	5
NITROGEN FREE EXTRACT	%	11.1	44.7	19	5
PROTEIN	%	2.1	8.3	25	5
CATTLE DIG PROT	% *	1.2	4.9		
GOATS DIG PROT	% *	1.1	4.3		
HORSES DIG PROT	% *	1.1	4.5		
RABBITS DIG PROT	% *	1.3	5.1		
SHEEP DIG PROT	% *	1.2	4.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.58	2.32		
SHEEP DE	MCAL/KG *	0.63	2.51		
CATTLE ME	MCAL/KG *	0.48	1.90		
SHEEP ME	MCAL/KG *	0.52	2.06		
CATTLE NE-M	MCAL/KG *	0.28	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.38		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.10		
CATTLE TDN	% *	13.3	52.6		
SHEEP TDN	% *	14.4	56.9		
BRACHIARIA BRIZANTHA PALISADE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-13-888					
DRY MATTER	%	26.9	100.0	29	6
ORGANIC MATTER	%	23.6	87.9		
ASH	%	3.2	12.1	12	6
CRUDE FIBER	%	7.6	28.3	9	6
PROTEIN	%	1.6	5.8	14	6
CATTLE DIG PROT	% *	0.8	2.8		
GOATS DIG PROT	% *	0.5	2.0		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT	% *	0.7	2.5		
RABBITS	DIG PROT	% *	0.8	3.1		
SHEEP	DIG PROT	% *	0.6	2.4		

BRACHIARIA DECUMBENS, SIGNALGRASS, SHEEP

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, (2)

REF NO 2-13-217

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.9	100.0	10	5
ORGANIC MATTER		%	28.2	94.2		
ASH		%	1.7	5.8	4	6
PROTEIN		%	2.3	7.5	16	11
CATTLE	DIG PROT	% *	1.3	4.3		
GOATS	DIG PROT	% *	1.1	3.6		
HORSES	DIG PROT	% *	1.2	3.9		
RABBITS	DIG PROT	% *	1.3	4.5		
SHEEP	DIG PROT	% *	1.2	4.0		
CALCIUM		-	0.04	0.13	46	7
IRON		%	0.003	0.011	21	6
MAGNESIUM		%	0.11	0.36	15	7
MANGANESE		MG/KG	21.9	73.1	22	7
PHOSPHORUS		%	0.05	0.16	17	7
POTASSIUM		%	0.42	1.39	15	7
SODIUM		%	0.02	0.06	26	7
ZINC		MG/KG	14.1	47.0		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-13-837

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		82.		1
PROTEIN		%		9.8		1
CATTLE	DIG PROT	% *		6.2		
GOATS	DIG PROT	% *		5.7		
HORSES	DIG PROT	% *		5.9		
RABBITS	DIG PROT	% *		6.2		
SHEEP	DIG PROT	% *		6.1		
CELL WALLS (VAN SOEST)		%		66.6		1
CELLULOSE (VAN SOEST)		%		30.1		1
FIBER, ACID DETERGENT (VS)		%		37.9		1
HEMICELLULOSE		%		28.7		1
LIGNIN KMNO4 (VS)		%		4.5		1
ACID INSOLUBLE ASH (SILICA)		%		2.50		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-13-216

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		82.		1
ORGANIC MATTER		%		94.4		
ASH		%		5.6	14	29
CRUDE FIBER		%		4.5		1
PROTEIN		%		9.5	10	31
CATTLE	DIG PROT	% *		6.0		
GOATS	DIG PROT	% *		5.4		
HORSES	DIG PROT	% *		5.6		
RABBITS	DIG PROT	% *		6.0		
SHEEP	DIG PROT	% *		5.8		
CELL WALLS (VAN SOEST)		%		69.8		1
CELLULOSE (VAN SOEST)		%		31.5		1
FIBER, ACID DETERGENT (VS)		%		41.6		1
HEMICELLULOSE		%		28.2		1
LIGNIN KMNO4 (VS)		%		5.5		1
CALCIUM		%		0.19	35	30
IRON		%		0.018	58	30
MAGNESIUM		%		0.38	15	30
MANGANESE		MG/KG		83.3	31	30
PHOSPHORUS		%		0.18	18	30
POTASSIUM		%		1.61	27	30
ACID INSOLUBLE ASH (SILICA)		%		4.00		1
SODIUM		%		0.09	42	30

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-214

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		79.		1
ORGANIC MATTER		%		94.6		
ASH		%		5.4	12	78
PROTEIN		%		8.6	12	79
CATTLE	DIG PROT	% *		5.2		
GOATS	DIG PROT	% *		4.6		
HORSES	DIG PROT	% *		4.8		
RABBITS	DIG PROT	% *		5.3		
SHEEP	DIG PROT	% *		5.0		
CELL WALLS (VAN SOEST)		%		69.8		1
CELLULOSE (VAN SOEST)		%		31.1		1
FIBER, ACID DETERGENT (VS)		%		39.6		1
HEMICELLULOSE		%		30.2		1
LIGNIN KMNO4 (VS)		%		4.6		1
CALCIUM		%		0.16	30	78
IRON		%		0.011	66	78
MAGNESIUM		%		0.38	19	78
MANGANESE		MG/KG		106.7	25	75
PHOSPHORUS		%		0.17	16	76
POTASSIUM		%		1.25	22	77
ACID INSOLUBLE ASH (SILICA)		%		3.10		1
SODIUM		%		0.05	39	77

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-13-213

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		66.		1
ORGANIC MATTER		%		95.8		
ASH		%		4.3	5	6
PROTEIN		%		6.8	17	7
CATTLE	DIG PROT	% *		3.6		
GOATS	DIG PROT	% *		2.9		
HORSES	DIG PROT	% *		3.3		
RABBITS	DIG PROT	% *		3.9		
SHEEP	DIG PROT	% *		3.3		
CELL WALLS (VAN SOEST)		%		77.5		1
CELLULOSE (VAN SOEST)		%		35.6		1
FIBER, ACID DETERGENT (VS)		%		43.8		1
HEMICELLULOSE		%		33.7		1
LIGNIN KMNO4 (VS)		%		5.2		1
CALCIUM		%		0.14	17	6
IRON		%		0.009	16	6
MAGNESIUM		%		0.25	10	6
MANGANESE		MG/KG		69.0	21	6
PHOSPHORUS		%		0.19	6	6
POTASSIUM		%		1.14	15	6
ACID INSOLUBLE ASH (SILICA)		%		2.30		1
SODIUM		%		0.02	51	6

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-836

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		64.		1
PROTEIN		%		3.6		1
CATTLE	DIG PROT	% *		1.0		
GOATS	DIG PROT	% *		-0.1		
HORSES	DIG PROT	% *		0.6		
RABBITS	DIG PROT	% *		1.4		
SHEEP	DIG PROT	% *		0.3		
CELL WALLS (VAN SOEST)		%		80.3		1
CELLULOSE (VAN SOEST)		%		38.0		1
FIBER, ACID DETERGENT (VS)		%		46.2		1
HEMICELLULOSE		%		34.1		1
LIGNIN KMNO4 (VS)		%		6.3		1
ACID INSOLUBLE ASH (SILICA)		%		1.70		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-839

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		71.		1
PROTEIN		%		3.4		1
CATTLE	DIG PROT	% *		0.8		
GOATS	DIG PROT	% *		-0.3		
HORSES	DIG PROT	% *		0.4		
RABBITS	DIG PROT	% *		1.3		
SHEEP	DIG PROT	% *		0.2		
CELL WALLS (VAN SOEST)		%		77.3		1
CELLULOSE (VAN SOEST)		%		30.8		1
FIBER, ACID DETERGENT (VS)		%		46.4		1
HEMICELLULOSE		%		30.9		1
LIGNIN KMNO4 (VS)		%		6.3		1
ACID INSOLUBLE ASH (SILICA)		%		1.80		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-840

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		64.		1
PROTEIN		%		3.5		1
CATTLE	DIG PROT	% *		0.9		
GOATS	DIG PROT	% *		-0.2		
HORSES	DIG PROT	% *		0.5		
RABBITS	DIG PROT	% *		1.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT	% *		0.3		
CELL WALLS (VAN SOEST)		%		80.3		1
CELLULOSE (VAN SOEST)		%		36.8		1
FIBER, ACID DETERGENT (VS)		%		45.6		1
HEMICELLULOSE		%		34.7		1
LIGNIN KHNO4 (VS)		%		6.5		1
ACID INSOLUBLE ASH (SILICA)		%		1.80		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-841

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		87.		1
PROTEIN		%		3.2		1
CATTLE	DIG PROT	% *		0.6		
GOATS	DIG PROT	% *		-0.5		
HORSES	DIG PROT	% *		0.2		
RABBITS	DIG PROT	% *		1.1		
SHEEP	DIG PROT	% *		-0.0		
CELL WALLS (VAN SOEST)		%		81.8		1
CELLULOSE (VAN SOEST)		%		37.7		1
FIBER, ACID DETERGENT (VS)		%		47.1		1
HEMICELLULOSE		%		34.8		1
LIGNIN KHNO4 (VS)		%		6.2		1
ACID INSOLUBLE ASH (SILICA)		%		2.60		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-123

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.0		
ASH		%		8.0		1
CRUDE FIBER		%		32.4		1
ETHER EXTRACT		%		2.0		1
NITROGEN FREE EXTRACT		%		44.9		1
PROTEIN		%		13.6		1
CATTLE	DIG PROT	% *		8.6		
GOATS	DIG PROT	% *		8.3		
HORSES	DIG PROT	% *		8.3		
RABBITS	DIG PROT	% *		8.4		
SHEEP	DIG PROT	% *		8.6		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		2.97		
SHEEP	DE KCAL/KG	*		2.64		
CATTLE	ME KCAL/KG	*		2.11		
SHEEP	ME KCAL/KG	*		2.16		
CATTLE	NE-M KCAL/KG	*		1.25		
CATTLE	NE-GAIN KCAL/KG	*		0.80		
CATTLE	NE-LACTATION KCAL/KG	*		1.29		
CATTLE	TDN	% *		58.3		
SHEEP	TDN	% *		59.9		
CALCIUM		%		0.17		1
PHOSPHORUS		%		0.10		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-13-857

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.9	100.0		3
ORGANIC MATTER		%	25.2	90.3		3
ASH		%	2.7	9.6		3
CRUDE FIBER		%	8.2	29.4		3
ETHER EXTRACT		%	0.4	1.4		3
NITROGEN FREE EXTRACT		%	13.6	48.9		3
PROTEIN		%	3.0	10.7		3
CATTLE	DIG PROT	% *	1.9	7.0		
GOATS	DIG PROT	% *	1.8	6.5		
HORSES	DIG PROT	% *	1.8	6.8		
RABBITS	DIG PROT	% *	1.9	6.9		
SHEEP	DIG PROT	% *	1.9	6.9		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.73	2.62		
SHEEP	DE KCAL/KG	*	0.73	2.61		
CATTLE	ME KCAL/KG	*	0.60	2.15		
SHEEP	ME KCAL/KG	*	0.60	2.14		
CATTLE	NE-M KCAL/KG	*	0.35	1.27		
CATTLE	NE-GAIN KCAL/KG	*	0.18	0.64		
CATTLE	NE-LACTATION KCAL/KG	*	0.37	1.33		
CATTLE	TDN	% *	16.6	59.4		
SHEEP	TDN	% *	16.5	59.3		
CALCIUM		%	0.07	0.26		3
PHOSPHORUS		%	0.06	0.20		3

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-887

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.9	100.0		1
ORGANIC MATTER		%	26.5	91.7		1
ASH		%	2.4	8.3		1
CRUDE FIBER		%	10.3	35.7		1
ETHER EXTRACT		%	0.4	1.5		1
NITROGEN FREE EXTRACT		%	13.1	45.5		1
PROTEIN		%	2.6	9.0		1
CATTLE	DIG PROT	% *	1.6	5.5		
GOATS	DIG PROT	% *	1.4	5.0		
HORSES	DIG PROT	% *	1.5	5.2		
RABBITS	DIG PROT	% *	1.6	5.6		
SHEEP	DIG PROT	% *	1.6	5.4		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.69	2.40		
SHEEP	DE KCAL/KG	*	0.72	2.50		
CATTLE	ME KCAL/KG	*	0.57	1.97		
SHEEP	ME KCAL/KG	*	0.59	2.05		
CATTLE	NE-M KCAL/KG	*	0.34	1.16		
CATTLE	NE-GAIN KCAL/KG	*	0.13	0.46		
CATTLE	NE-LACTATION KCAL/KG	*	0.34	1.16		
CATTLE	TDN	% *	15.7	54.5		
SHEEP	TDN	% *	16.4	56.6		
CALCIUM		%	0.06	0.22		1
PHOSPHORUS		%	0.05	0.16		1

BRACHIARIA DECUMBENS SHEEP, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-11-331

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.6		
ASH		%		6.4		1
CRUDE FIBER		%		38.1		1
CATTLE	DIG COEF	%		78.		1
ETHER EXTRACT		%		1.8		1
CATTLE	DIG COEF	%		35.		1
NITROGEN FREE EXTRACT		%		51.5		1
CATTLE	DIG COEF	%		74.		1
PROTEIN		%		3.1		1
CATTLE	DIG COEF	%		52.		1
CATTLE	DIG PROT	%		1.6		
GOATS	DIG PROT	% *		-0.8		
HORSES	DIG PROT	% *		0.1		
RABBITS	DIG PROT	% *		1.0		
SHEEP	DIG PROT	% *		-0.2		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		3.09		
SHEEP	DE KCAL/KG	*		2.35		
CATTLE	ME KCAL/KG	*		2.54		
SHEEP	ME KCAL/KG	*		1.93		
CATTLE	NE-M KCAL/KG	*		1.55		
CATTLE	NE-GAIN KCAL/KG	*		0.98		
CATTLE	NE-LACTATION KCAL/KG	*		1.70		
CATTLE	TDN	%		70.2		
SHEEP	TDN	% *		53.5		

BRACHIARIA HUMIDICOLA, SIGNALGRASS, HUMIDICOLA

BRACHIARIA HUMIDICOLA HUMIDICOLA, AERIAL PART, FRESH, (2)

REF NO 2-13-790

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.6	100.0	10	5
ORGANIC MATTER		%	21.1	89.7		
ASH		%	2.4	10.3		1
CRUDE FIBER		%	7.2	30.5		1
ETHER EXTRACT		%	0.5	2.3		1
NITROGEN FREE EXTRACT		%	11.5	48.9		1
PROTEIN		%	1.9	7.9	27	5
CATTLE	DIG PROT	% *	1.1	4.6		
GOATS	DIG PROT	% *	0.9	4.0		
HORSES	DIG PROT	% *	1.0	4.3		
RABBITS	DIG PROT	% *	1.1	4.8		
SHEEP	DIG PROT	% *	1.0	4.4		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.58	2.48		
SHEEP	DE KCAL/KG	*	0.61	2.57		
CATTLE	ME KCAL/KG	*	0.48	2.03		
SHEEP	ME KCAL/KG	*	0.50	2.11		
CATTLE	NE-M KCAL/KG	*	0.28	1.20		
CATTLE	NE-GAIN KCAL/KG	*	0.12	0.52		
CATTLE	NE-LACTATION KCAL/KG	*	0.29	1.22		
CATTLE	TDN	% *	13.2	56.2		
SHEEP	TDN	% *	13.8	58.4		

BRACHIARIA PLANTAGINEA, SIGNALGRASS, PLANTAGINEA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA PLANTAGINEA PLANTAGINEA, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-17-503						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.7		
ASH		%		10.3		1
ETHER EXTRACT		%		2.6		1
NITROGEN FREE EXTRACT		%		46.0		1
PROTEIN		%		10.8		1
CATTLE	DIG PROT	% *		7.1		
GOATS	DIG PROT	% *		6.8		
HORSES	DIG PROT	% *		6.7		
RABBITS	DIG PROT	% *		7.0		
SHEEP	DIG PROT	% *		7.1		
CELLULOSE (CRAMPTON)		%		30.0		1
CALCIUM		%		0.49		1
MAGNESIUM		%		0.67		1
PHOSPHORUS		%		0.24		1
ACID INSOLUBLE ASH (SILICA)		%		3.58		1

BRACHIARIA RUZIZIENSIS, SIGNALGRASS, RUZIZIENSIS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, MAY, S-C, CUT 2, (1)						
REF NO 2-10-969						
DRY MATTER		%	73.0	100.0		1
ORGANIC MATTER		%	63.7	87.2		
ASH		%	9.3	12.8		1
CRUDE FIBER		%	32.9	45.0		1
ETHER EXTRACT		%	1.0	1.4		1
NITROGEN FREE EXTRACT		%	27.1	37.1		1
PROTEIN		%	2.7	3.7		1
CATTLE	DIG PROT	% *	0.1	0.1		
GOATS	DIG PROT	% *				
HORSES	DIG PROT	% *	0.5	0.7		
RABBITS	DIG PROT	% *	1.1	1.5		
SHEEP	DIG PROT	% *	-0.1	-0.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.39	1.90		
SHEEP	DE	MCAL/KG *	1.45	1.99		
CATTLE	ME	MCAL/KG *	1.14	1.56		
SHEEP	ME	MCAL/KG *	1.19	1.63		
CATTLE	NE-M	MCAL/KG *	0.69	0.94		
CATTLE	NE-GAIN	MCAL/KG *	-0.02	-0.03		
CATTLE	NE-LACTATION	MCAL/KG *	0.56	0.77		
CATTLE	TDN	% *	31.4	43.0		
SHEEP	TDN	% *	32.9	45.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, (2)						
REF NO 2-13-694						
DRY MATTER		%	16.8	100.0		2
PROTEIN		%	0.8	4.9		2
CATTLE	DIG PROT	% *	0.3	2.0		
GOATS	DIG PROT	% *	0.2	1.1		
HORSES	DIG PROT	% *	0.3	1.7		
RABBITS	DIG PROT	% *	0.4	2.4		
SHEEP	DIG PROT	% *	0.3	1.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-13-211						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.2		
ASH		%		6.9		2
PROTEIN		%		19.2		2
CATTLE	DIG PROT	% *		14.2		
GOATS	DIG PROT	% *		14.5		
HORSES	DIG PROT	% *		13.8		
RABBITS	DIG PROT	% *		13.5		
SHEEP	DIG PROT	% *		14.9		
CALCIUM		%		0.08		2
IRON		%		0.011		2
MAGNESIUM		%		0.17		2
MANGANESE		MG/KG		192.0		2
PHOSPHORUS		%		0.30		2
POTASSIUM		%		2.34		2
SODIUM		%		0.05		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, 5? TO 70 DAYS' GROWTH, (2)						
REF NO 2-13-895						
DRY MATTER		%	23.1	100.0	61	6
ORGANIC MATTER		%	20.5	88.9		
ASH		%	2.6	11.1	13	6
CRUDE FIBER		%	6.9	29.9	14	6
PROTEIN		%	1.0	4.4	19	6
CATTLE	DIG PROT	% *	0.4	1.6		
GOATS	DIG PROT	% *	0.1	0.6		
HORSES	DIG PROT	% *	0.3	1.2		
RABBITS	DIG PROT	% *	0.5	2.0		
SHEEP	DIG PROT	% *	0.2	1.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-11-335						
DRY MATTER		%	26.7	100.0		3
ORGANIC MATTER		%	23.9	89.4		
ASH		%	2.8	10.6		3
CRUDE FIBER		%	6.7	25.2		1
ETHER EXTRACT		%	0.5	1.8		3
NITROGEN FREE EXTRACT		%	12.6	47.0		3
PROTEIN		%	4.1	15.5		1
CATTLE	DIG PROT	% *	2.9	11.0		
GOATS	DIG PROT	% *	2.9	11.0		
HORSES	DIG PROT	% *	2.8	10.7		
RABBITS	DIG PROT	% *	2.8	10.6		
SHEEP	DIG PROT	% *	3.0	11.4		
CELLULOSE (CRAMPTON)		%	8.1	30.2		2
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.74	2.76		
SHEEP	DE	MCAL/KG *	0.73	2.74		
CATTLE	ME	MCAL/KG *	0.61	2.26		
SHEEP	ME	MCAL/KG *	0.60	2.25		
CATTLE	NE-M	MCAL/KG *	0.36	1.35		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.75		
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.44		
CATTLE	TDN	% *	16.7	62.6		
SHEEP	TDN	% *	16.6	62.2		
CALCIUM		%	0.14	0.53		3
COBALT		MG/KG	0.032	0.120		2
COPPER		MG/KG	3.1	11.6		2
IRON		%	0.005	0.019		2
MAGNESIUM		%	0.05	0.19		2
MANGANESE		MG/KG	18.8	70.5		2
MOLYBDENUM		MG/KG	0.34	1.26		2
PHOSPHORUS		%	0.16	0.61		1
ZINC		MG/KG	7.8	29.4		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-11-336						
DRY MATTER		%	23.2	100.0		1
ORGANIC MATTER		%	20.3	87.5		
ASH		%	2.9	12.5		1
CRUDE FIBER		%	6.9	29.6		1
ETHER EXTRACT		%	0.9	3.8		1
NITROGEN FREE EXTRACT		%	8.6	37.2		1
PROTEIN		%	3.9	16.9		1
CATTLE	DIG PROT	% *	2.8	12.3		
GOATS	DIG PROT	% *	2.9	12.3		
HORSES	DIG PROT	% *	2.6	11.9		
RABBITS	DIG PROT	% *	2.7	11.7		
SHEEP	DIG PROT	% *	3.0	12.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.48		
SHEEP	DE	MCAL/KG *	0.63	2.73		
CATTLE	ME	MCAL/KG *	0.47	2.04		
SHEEP	ME	MCAL/KG *	0.52	2.23		
CATTLE	NE-M	MCAL/KG *	0.28	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.22		
CATTLE	TDN	% *	13.1	56.3		
SHEEP	TDN	% *	14.3	61.8		
CALCIUM		%	0.12	0.53		1
COPPER		MG/KG	11.3	48.8		1
IRON		%	0.012	0.052		1
MAGNESIUM		%	0.03	0.13		1
MANGANESE		MG/KG	14.8	63.6		1
PHOSPHORUS		%	0.06	0.25		1
POTASSIUM		%	0.45	1.92		1
SODIUM		%	0.03	0.11		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-10-970						
DRY MATTER		%	22.0	100.0		1
ORGANIC MATTER		%	20.1	91.2		
ASH		%	1.9	8.8		1
CRUDE FIBER		%	7.8	35.4		1
ETHER EXTRACT		%	0.4	1.9		1
NITROGEN FREE EXTRACT		%	10.2	46.3		1
PROTEIN		%	1.7	7.6		1
CATTLE	DIG PROT % *		1.0	4.4		
GOATS	DIG PROT % *		0.8	3.7		
HORSES	DIG PROT % *		0.9	4.0		
RABBITS	DIG PROT % *		1.0	4.5		
SHEEP	DIG PROT % *		0.9	4.1		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		0.50	2.29		
SHEEP	DE KCAL/KG *		0.55	2.49		
CATTLE	ME KCAL/KG *		0.41	1.88		
SHEEP	ME KCAL/KG *		0.45	2.04		
CATTLE	NE-M KCAL/KG *		0.24	1.11		
CATTLE	NE-GAIN KCAL/KG *		0.08	0.36		
CATTLE	NE-LACTATION KCAL/KG *		0.24	1.07		
CATTLE	TDN % *		11.4	52.0		
SHEEP	TDN % *		12.4	56.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)						
REF NO 2-10-968						
DRY MATTER		%	28.5	100.0	9	4
ORGANIC MATTER		%	26.1	91.5		
ASH		%	2.4	8.5	7	4
CRUDE FIBER		%	11.2	39.4	8	4
ETHER EXTRACT		%	0.5	1.6	21	4
NITROGEN FREE EXTRACT		%	13.3	46.6	9	4
PROTEIN		%	1.1	3.9	30	4
CATTLE	DIG PROT % *		0.3	1.2		
GOATS	DIG PROT % *		0.1	0.2		
HORSES	DIG PROT % *		0.2	0.8		
RABBITS	DIG PROT % *		0.5	1.7		
SHEEP	DIG PROT % *		0.2	0.6		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		0.58	2.02		
SHEEP	DE KCAL/KG *		0.67	2.35		
CATTLE	ME KCAL/KG *		0.47	1.66		
SHEEP	ME KCAL/KG *		0.55	1.93		
CATTLE	NE-M KCAL/KG *		0.28	0.99		
CATTLE	NE-GAIN KCAL/KG *		0.03	0.10		
CATTLE	NE-LACTATION KCAL/KG *		0.25	0.86		
CATTLE	TDN % *		13.1	45.8		
SHEEP	TDN % *		15.2	53.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)						
REF NO 2-10-971						
DRY MATTER		%	24.1	100.0		1
ORGANIC MATTER		%	22.2	92.2		
ASH		%	1.9	7.8		1
CRUDE FIBER		%	9.2	38.1		1
ETHER EXTRACT		%	0.5	1.9		1
NITROGEN FREE EXTRACT		%	11.1	46.2		1
PROTEIN		%	1.4	6.0		1
CATTLE	DIG PROT % *		0.7	3.0		
GOATS	DIG PROT % *		0.5	2.2		
HORSES	DIG PROT % *		0.6	2.6		
RABBITS	DIG PROT % *		0.8	3.3		
SHEEP	DIG PROT % *		0.6	2.6		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		0.51	2.12		
SHEEP	DE KCAL/KG *		0.59	2.46		
CATTLE	ME KCAL/KG *		0.42	1.74		
SHEEP	ME KCAL/KG *		0.48	2.00		
CATTLE	NE-M KCAL/KG *		0.25	1.03		
CATTLE	NE-GAIN KCAL/KG *		0.05	0.20		
CATTLE	NE-LACTATION KCAL/KG *		0.23	0.98		
CATTLE	TDN % *		11.6	48.1		
SHEEP	TDN % *		13.3	55.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-10-966						
DRY MATTER		%	23.2	100.0	10	9
ORGANIC MATTER		%	21.2	91.5		
ASH		%	2.0	8.5	19	9
CRUDE FIBER		%	8.8	38.2	4	9
ETHER EXTRACT		%	0.4	1.8	26	9
NITROGEN FREE EXTRACT		%	10.6	45.8	5	9
PROTEIN		%	1.3	5.8	42	9
CATTLE	DIG PROT % *		0.6	2.8		
GOATS	DIG PROT % *		0.4	1.9		
HORSES	DIG PROT % *		0.8	2.4		
RABBITS	DIG PROT % *		[illegible]	3.1		
SHEEP	DIG PROT % *		[illegible]	2.4		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		[illegible]	2.13		
SHEEP	DE KCAL/KG *		[illegible]	2.41		
CATTLE	ME KCAL/KG *		[illegible]	[illegible]		
SHEEP	ME KCAL/KG *		[illegible]	[illegible]		
CATTLE	NE-M KCAL/KG *		[illegible]	1.04		
CATTLE	NE-GAIN KCAL/KG *		0.05	0.21		
CATTLE	NE-LACTATION KCAL/KG *		0.22	0.95		
CATTLE	TDN % *		11.2	48.4		
SHEEP	TDN % *		12.7	54.8		
CALCIUM	%		0.12	0.52	25	[illegible]
COPPER	MG/KG		7.1	30.8	51	[illegible]
IRON	%		0.006	0.026	41	[illegible]
MAGNESIUM	%		0.05	0.21	33	[illegible]
MANGANESE	MG/KG		11.1	47.0	54	[illegible]
PHOSPHORUS	%		0.04	[illegible]	43	[illegible]
POTASSIUM	%		0.45	1.93	26	[illegible]
SODIUM	%		0.02	0.08	12	[illegible]

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-10-967						
DRY MATTER		%	28.2	100.0		1
ORGANIC MATTER		%	25.7	91.1		
ASH		%	2.5	8.9		
CRUDE FIBER		%	11.6	41.3		1
ETHER EXTRACT		%	0.3	1.1		1
NITROGEN FREE EXTRACT		%	13.0	46.0		1
PROTEIN		%	0.8	2.7		1
CATTLE	DIG PROT % *		0.1	0.2		
GOATS	DIG PROT % *		-0.3	-0.9		
HORSES	DIG PROT % *		-0.1	-0.2		
RABBITS	DIG PROT % *		0.2	0.8		
SHEEP	DIG PROT % *		-0.1	-0.5		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG *		0.59	2.08		
SHEEP	DE KCAL/KG *		0.64	2.26		
CATTLE	ME KCAL/KG *		0.48	1.71		
SHEEP	ME KCAL/KG *		0.53	1.85		
CATTLE	NE-M KCAL/KG *		0.28	1.02		
CATTLE	NE-GAIN KCAL/KG *		0.03	[illegible]		
CATTLE	NE-LACTATION KCAL/KG		0.26	[illegible]		
CATTLE	TDN % *		[illegible]	[illegible]		
SHEEP	TDN % *		[illegible]	[illegible]		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS, AERIAL PART, FRESH FERTILIZED, CUT [illegible]						
REF NO [illegible]						
DRY MATTER		%		100.0		
PROTEIN		%		5.0		1
CATTLE	DIG PROT % *			2.1		
GOATS	DIG PROT % *			1.2		
HORSES	DIG PROT % *			1.8		
RABBITS	DIG PROT % *			2.5		
SHEEP	DIG PROT % *			1.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS AERIAL PART, FRESH FERTILIZED [illegible]						
REF NO [illegible]						
DRY MATTER		%		[illegible]		
PROTEIN		%		[illegible]	[illegible]	3
CATTLE	DIG PROT % *			[illegible]		
GOATS	DIG PROT % *			[illegible]		
HORSES	DIG PROT % *			[illegible]		
RABBITS	DIG PROT % *			[illegible]		
SHEEP	DIG PROT % *			[illegible]		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA RUZIZIENSIS RUZIZIENSIS [illegible] FRESH FERTILIZED [illegible] GROWTH, [illegible]						
REF NO 2-[illegible]						
DRY MATTER		%	19.9	100.0		1
ORGANIC MATTER		%	[illegible]	88.7		
ASH		%	[illegible]	11.3		1
CRUDE FIBER		%	[illegible]	31.9		1
PROTEIN		%	1.0	4.9		1
CATTLE	DIG PROT % *		0.4	2.1		
GOATS	DIG PROT % *		0.2	1.1		
HORSES	DIG PROT % *		0.3	1.7		
RABBITS	DIG PROT % *		0.5	2.5		
SHEEP	DIG PROT % *		0.3	1.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRACHIARIA SPP. SIGNALGRASS						
BRACHIARIA SPP. HAY. 5-6. (1)						
REF NO 1-11-339						
DRY MATTER		%	92.6	100.0		1
ORGANIC MATTER		%	75.3	81.3		
ASH		%	17.3	18.7		1
CRUDE FIBER		%	32.0	34.6		1
ETHER EXTRACT		%	1.0	1.1		1
NITROGEN FREE EXTRACT		%	36.7	39.6		
PROTEIN		%	5.6	6.0		1
CATTLE	DIG PROT	% *	2.0	2.1		
GOATS	DIG PROT	% *	2.0	2.2		
HORSES	DIG PROT	% *	2.4	2.6		
RABBITS	DIG PROT	% *	3.1	3.3		
SHEEP	DIG PROT	% *	1.8	2.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.73	1.87		
HORSES	DE MCAL/KG	*	1.49	1.61		
SHEEP	DE MCAL/KG	*	1.81	1.96		
CATTLE	ME MCAL/KG	*	1.42	1.53		
HORSES	ME MCAL/KG	*	1.22	1.32		
SHEEP	ME MCAL/KG	*	1.48	1.60		
CATTLE	NE-M MCAL/KG	*	0.86	0.93		
CATTLE	NE-GAIN MCAL/KG	*	-0.06	-0.06		
CATTLE	NE-LACTATION MCAL/KG	*	0.69	0.74		
CATTLE	TDN	% *	39.2	42.4		
HORSES	TDN	% *	36.5	39.4		
SHEEP	TDN	% *	41.1	44.3		
BRACHIARIA SPP. AERIAL PART. FRESH. (2)						
REF NO 2-09-639						
DRY MATTER		%	18.8	100.0		1
ORGANIC MATTER		%	16.9	90.0		
ASH		%	1.9	10.0		2
CRUDE FIBER		%	6.5	34.5		2
ETHER EXTRACT		%	1.0	5.2		1
NITROGEN FREE EXTRACT		%	7.4	39.5		1
PROTEIN		%	2.0	10.8		2
CATTLE	DIG PROT	% *	1.3	7.1		
GOATS	DIG PROT	% *	1.2	6.6		
HORSES	DIG PROT	% *	1.3	6.7		
RABBITS	DIG PROT	% *	1.3	7.0		
SHEEP	DIG PROT	% *	1.3	7.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.50	2.66		
SHEEP	DE MCAL/KG	*	0.49	2.61		
CATTLE	ME MCAL/KG	*	0.41	2.18		
SHEEP	ME MCAL/KG	*	0.40	2.14		
CATTLE	NE-M MCAL/KG	*	0.24	1.29		
CATTLE	NE-GAIN MCAL/KG	*	0.13	0.67		
CATTLE	NE-LACTATION MCAL/KG	*	0.26	1.36		
CATTLE	TDN	% *	11.3	60.3		
SHEEP	TDN	% *	11.1	59.1		
BRACHIARIA SPP. AERIAL PART. FRESH. 15 TO 28 DAYS' GROWTH. (2)						
REF NO 2-13-210						
DRY MATTER		%		100.0		
PROTEIN		%		10.1	6	4
CATTLE	DIG PROT	% *		6.4		
GOATS	DIG PROT	% *		5.0		
HORSES	DIG PROT	% *		6.1		
RABBITS	DIG PROT	% *		6.4		
SHEEP	DIG PROT	% *		6.4		
CALCIUM		%		0.23	10	4
IRON		%		0.035	35	4
MAGNESIUM		%		0.11	10	4
MANGANESE		MG/KG		391.5	10	4
PHOSPHORUS		%		0.62	8	4
POTASSIUM		%		2.37	12	4
BRACHIARIA SPP. AERIAL PART. FRESH. 29 TO 42 DAYS' GROWTH. (2)						
REF NO 2-13-209						
DRY MATTER		%		100.0		
PROTEIN		%		9.0		3
CATTLE	DIG PROT	% *		5.5		
GOATS	DIG PROT	% *		5.0		
HORSES	DIG PROT	% *		5.2		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		5.4		
CALCIUM		%		0.21		2
IRON		%		0.032		2
MAGNESIUM		%		0.09		2
MANGANESE		MG/KG		347.0		1
PHOSPHORUS		%		0.61		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
POTASSIUM		%		2.20		2
BRAN (CFA) *SEE TRITICUM SPP. BRAN. DRY MILLED. (4)						
BRASSICA CAMPESTRIS. RAPE. POLISH						
BRASSICA CAMPESTRIS POLISH. SEEDS. SOLV EXTD GRND. (5)						
REF NO 5-07-870						
DRY MATTER		%	92.8	100.0		1
CRUDE FIBER		%	12.6	13.6		1
ETHER EXTRACT		%	1.3	1.4		1
PROTEIN		%	37.6	40.5		1
CALCIUM		%	0.66	0.71		1
PHOSPHORUS		%	0.93	1.00		1
ALANINE		%	1.55	1.68		1
ARGININE		%	1.83	1.97		1
ASPARTIC ACID		%	2.45	2.64		1
CYSTINE		%	0.25	0.26		1
GLUTAMIC ACID		%	6.09	6.56		1
GLYCINE		%	1.75	1.89		1
HISTIDINE		%	0.90	0.97		1
ISOLEUCINE		%	1.33	1.43		1
LEUCINE		%	2.41	2.60		1
LYSINE		%	1.89	2.04		1
METHIONINE		%	0.75	0.81		1
PHENYLALANINE		%	1.32	1.32		1
PROLINE		%	2.34	2.52		1
SERINE		%	1.53	1.65		1
THREONINE		%	1.56	1.68		1
TYROSINE		%	0.73	0.78		1
VALINE		%	1.76	1.90		1
ISOTHIOCYANATE		%	4.350	4.688		1
OXAZOLADINETHIONE		%	2.15	2.32		1
BRASSICA NAPUS. RAPE. ARGENTINE						
BRASSICA NAPUS ARGENTINE. SEEDS. MECH EXTD GRND. (5)						
REF NO 5-07-869						
DRY MATTER		%	93.2	100.0		2
ORGANIC MATTER		%	87.3	93.7		
ASH		%	5.9	6.3		1
CRUDE FIBER		%	12.6	13.7		2
ETHER EXTRACT		%	6.7	7.1		2
NITROGEN FREE EXTRACT		%	27.0	29.0		1
PROTEIN		%	40.8	43.8		2
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.04	3.27		
SHEEP	DE MCAL/KG	*	3.35	3.60		
CATTLE	ME MCAL/KG	*	2.49	2.68		
SHEEP	ME MCAL/KG	*	2.75	2.95		
CATTLE	NE-M MCAL/KG	*	1.55	1.67		
CATTLE	NE-GAIN MCAL/KG	*	1.01	1.09		
CATTLE	NE-LACTATION MCAL/KG	*	1.71	1.84		
CATTLE	TDN	% *	69.0	74.1		
SHEEP	TDN	% *	76.1	81.6		
CALCIUM		%	0.57	0.61		1
PHOSPHORUS		%	1.07	1.15		1
CHOLINE		MG/KG	6996.	7511.		1
NIACIN		MG/KG	166.9	179.2		1
PANTOTHENIC ACID		MG/KG	9.9	10.6		1
RIBOFLAVIN		MG/KG	4.2	4.5		1
THIAMINE		MG/KG	1.9	2.0		1
ALANINE		%	1.56	1.68		1
ARGININE		%	2.24	2.40		2
ASPARTIC ACID		%	2.38	2.55		1
CYSTINE		%	0.28	0.30		1
GLUTAMIC ACID		%	7.40	7.94		2
GLYCINE		%	2.16	2.32		2
HISTIDINE		%	1.03	1.11		2
ISOLEUCINE		%	1.67	1.79		2
LEUCINE		%	2.73	2.93		2
LYSINE		%	1.56	1.68		2
METHIONINE		%	0.71	0.76		2
PHENYLALANINE		%	1.54	1.65		2
PROLINE		%	2.15	2.31		1
SERINE		%	1.47	1.58		1
THREONINE		%	1.63	1.75		2
TRYPTOPHAN		%	0.57	0.61		1
TYROSINE		%	0.95	1.02		2
VALINE		%	1.98	2.12		2
ISOTHIOCYANATE		%	2.301	2.470		1
OXAZOLADINETHIONE		%	2.71	2.91		1
BRASSICA NAPUS. RAPE. WINTER						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-907						
DRY MATTER		%	6.9	100.0		1
ORGANIC MATTER		%	5.2	75.2		1
ASH		%	1.7	24.8		1
CRUDE FIBER		%	1.3	18.9		1
ETHER EXTRACT		%	0.1	1.8		1
NITROGEN FREE EXTRACT		%	1.6	23.6		1
PROTEIN		%	2.1	30.9		1
CATTLE	DIG PROT	% *	1.7	24.2		
GOATS	DIG PROT	% *	1.8	25.4		
HORSES	DIG PROT	% *	1.6	23.6		
RABBITS	DIG PROT	% *	1.6	22.5		
SHEEP	DIG PROT	% *	1.8	25.8		
CALCIUM		%	0.24	3.46		1
PHOSPHORUS		%	0.06	0.84		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, STEMS, FRESH, (2)						
REF NO 2-15-411						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.7		
ASH		%		5.3		3
CRUDE FIBER		%		39.2		3
ETHER EXTRACT		%		1.8		3
NITROGEN FREE EXTRACT		%		51.0		3
PROTEIN		%		2.7		3
CATTLE	DIG PROT	% *		0.2		
GOATS	DIG PROT	% *		-0.9		
HORSES	DIG PROT	% *		-0.2		
RABBITS	DIG PROT	% *		0.7		
SHEEP	DIG PROT	% *		-0.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *		1.88		
CATTLE	ME	KCAL/KG *		1.54		
CATTLE	NE-M	KCAL/KG *		0.93		
CATTLE	NE-GAIN	KCAL/KG *		-0.05		
CATTLE	NE-LACTATION	KCAL/KG *		0.76		
CATTLE		TDN % *		42.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, BRAN, (4)						
REF NO 4-15-412						
DRY MATTER		%		100.0		
PROTEIN		%		11.4		3
CATTLE	DIG PROT	% *		6.5		
GOATS	DIG PROT	% *		7.7		
HORSES	DIG PROT	% *		7.7		
SHEEP	DIG PROT	% *		7.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, ROOTS, COOKED, (6)						
REF NO 4-13-226						
DRY MATTER		%	8.5	100.0		1
ORGANIC MATTER		%	7.9	92.9		
ASH		%	0.6	7.1		1
CRUDE FIBER		%	0.9	10.6		1
ETHER EXTRACT		%	0.1	1.2		1
NITROGEN FREE EXTRACT		%	6.0	70.6		
PROTEIN		%	0.9	10.6		1
CATTLE	DIG PROT	% *	0.5	5.7		
GOATS	DIG PROT	% *	0.6	6.9		
HORSES	DIG PROT	% *	0.6	6.9		
SHEEP	DIG PROT	% *	0.6	6.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.22	2.60		
SHEEP	DE	KCAL/KG *	0.29	3.44		
SWINE	DE	KCAL/KG *	280.	3296.		
CATTLE	ME	KCAL/KG *	0.18	2.13		
SHEEP	ME	KCAL/KG *	0.24	2.82		
SWINE	ME	KCAL/KG *	263.	3094.		
CATTLE	NE-M	KCAL/KG *	0.11	1.26		
CATTLE	NE-GAIN	KCAL/KG *	0.05	0.62		
CATTLE	NE-LACTATION	KCAL/KG *	0.11	1.31		
CATTLE		TDN % *	5.0	58.9		
SHEEP		TDN % *	6.6	77.9		
SWINE		TDN % *	6.4	74.6		
CALCIUM		%	0.02	0.24		1
IRON		%	0.002	0.024		1
PHOSPHORUS		%	0.03	0.35		1
ASCORBIC ACID		MG/KG	272.5	3205.9		1
NIACIN		MG/KG	8.3	97.6		1
RIBOFLAVIN		MG/KG	0.6	7.1		1
THIAMINE		MG/KG	0.3	3.5		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, SEEDS, (5)						
REF NO 5-10-445						
DRY MATTER		%	92.7	100.0		6
ORGANIC MATTER		%	88.6	95.7		
ASH		%	4.0	4.3	23	4
CRUDE FIBER		%	7.1	7.6	51	4
ETHER EXTRACT		%	39.1	42.2	45	6
NITROGEN FREE EXTRACT		%	23.8	25.7	30	4
PROTEIN		%	18.6	20.1	39	6
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	5.08	5.49		
SHEEP	ME	MCAL/KG *	4.17	4.50		
SHEEP		TDN % *	115.3	124.5		
CALCIUM		%	0.78	0.84		1
COPPER		MG/KG	11.6	12.6		1
IRON		%	0.411	0.444		1
MAGNESIUM		%	0.41	0.44		1
MANGANESE		MG/KG	85.3	92.1		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, SEEDS, SOLV EXTD GRND, (5)						
REF NO 5-15-410						
DRY MATTER		%	91.5	100.0	1	6
ORGANIC MATTER		%	85.7	93.7		
ASH		%	5.8	6.4	9	6
CRUDE FIBER		%	15.1	16.5	16	9
ETHER EXTRACT		%	1.4	1.5	46	9
NITROGEN FREE EXTRACT		%	37.0	40.4	10	5
PROTEIN		%	32.2	35.2	6	9
ENERGY	GE	KCAL/KG	4383.	4788.		1
CATTLE	DE	MCAL/KG *	2.59	2.83		
SHEEP	DE	MCAL/KG *	2.87	3.14		
CATTLE	ME	MCAL/KG *	2.12	2.32		
SHEEP	ME	MCAL/KG *	2.35	2.57		
CATTLE	NE-M	MCAL/KG *	1.27	1.39		
CATTLE	NE-GAIN	MCAL/KG *	0.73	0.79		
CATTLE	NE-LACTATION	MCAL/KG *	1.37	1.49		
CATTLE		TDN % *	58.7	64.1		
SHEEP		TDN % *	65.1	71.2		
CALCIUM		%	0.67	0.73		3
PHOSPHORUS		%	0.76	0.83		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, SEEDS, SOLV EXTD GRND CAKED, (5)						
REF NO 5-11-990						
DRY MATTER		%	90.4	100.0	2	4
ORGANIC MATTER		%	83.4	92.3		
ASH		%	7.0	7.7	9	4
CRUDE FIBER		%	9.2	10.2	6	4
ETHER EXTRACT		%	1.2	1.3		3
NITROGEN FREE EXTRACT		%	44.3	49.0	3	4
PROTEIN		%	28.7	31.8	5	4
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.04	3.36		
SHEEP	DE	MCAL/KG *	3.02	3.34		
CATTLE	ME	MCAL/KG *	2.49	2.75		
SHEEP	ME	MCAL/KG *	2.48	2.74		
CATTLE	NE-M	MCAL/KG *	1.56	1.73		
CATTLE	NE-GAIN	MCAL/KG *	1.03	1.14		
CATTLE	NE-LACTATION	MCAL/KG *	1.72	1.91		
CATTLE		TDN % *	68.9	76.2		
SHEEP		TDN % *	68.5	75.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NAPUS WINTER, SEEDS NO HULLS, SOLV EXTD GRND, (5)						
REF NO 5-17-407						
DRY MATTER		%	91.4	100.0		1
ORGANIC MATTER		%	85.8	93.9		
ASH		%	5.6	6.1		1
CRUDE FIBER		%	5.5	6.0		1
ETHER EXTRACT		%	1.8	2.0		1
NITROGEN FREE EXTRACT		%	39.0	42.7		1
PROTEIN		%	39.5	43.2		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.47	3.80		
SHEEP	DE	MCAL/KG *	3.30	3.61		
CATTLE	ME	MCAL/KG *	2.85	3.11		
SHEEP	ME	MCAL/KG *	2.71	2.96		
CATTLE	NE-M	MCAL/KG *	1.90	2.08		
CATTLE	NE-GAIN	MCAL/KG *	1.26	1.38		
CATTLE	NE-LACTATION	MCAL/KG *	2.06	2.25		
CATTLE		TDN % *	78.7	86.1		
SHEEP		TDN % *	74.8	81.9		

BRASSICA NIGRA, MUSTARD, BLACK

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA NIGRA BLACK, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-910						
DRY MATTER		%	17.4	100.0		1
ORGANIC MATTER		%	14.6	84.0		1
ASH		%	2.8	16.0		1
CRUDE FIBER		%	2.5	14.3		1
ETHER EXTRACT		%	0.3	1.5		1
NITROGEN FREE EXTRACT		%	4.7	26.8		1
PROTEIN		%	7.2	41.4		1
CATTLE	DIG PROT	% *	5.8	33.1		
GOATS	DIG PROT	% *	6.1	35.2		
HORSES	DIG PROT	% *	5.7	32.7		
RABBITS	DIG PROT	% *	5.3	30.6		
SHEEP	DIG PROT	% *	6.2	35.6		
CALCIUM		%	0.65	2.56		1
PHOSPHORUS		%	0.11	0.66		1
BRASSICA OLERACEA, CABBAGE, WILD						
BRASSICA OLERACEA WILD, AERIAL PART, ENSILED, (3)						
REF NO 3-17-682						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.1		
ASH		%		10.9		1
CRUDE FIBER		%		28.4		1
ETHER EXTRACT		%		4.8		1
NITROGEN FREE EXTRACT		%		40.0		1
PROTEIN		%		15.9		1
CATTLE	DIG PROT	% *		10.7		
GOATS	DIG PROT	% *		10.7		
HORSES	DIG PROT	% *		10.7		
SHEEP	DIG PROT	% *		10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.69		
SHEEP	DE	MCAL/KG *		2.71		
CATTLE	ME	MCAL/KG *		2.21		
SHEEP	ME	MCAL/KG *		2.22		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.70		
CATTLE	NE-LACTATION	MCAL/KG *		1.39		
CATTLE	TDN	% *		61.1		
SHEEP	TDN	% *		61.4		
BRASSICA OLERACEA, BOTRYTIS, CAULIFLOWER						
BRASSICA OLERACEA, BOTRYTIS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-911						
DRY MATTER		%	8.6	100.0		1
ORGANIC MATTER		%	7.2	83.6		1
ASH		%	1.4	16.4		1
CRUDE FIBER		%	1.2	13.7		1
ETHER EXTRACT		%	0.2	2.7		1
NITROGEN FREE EXTRACT		%	3.8	44.7		1
PROTEIN		%	1.9	22.5		1
CATTLE	DIG PROT	% *	1.5	17.0		
GOATS	DIG PROT	% *	1.5	17.6		
HORSES	DIG PROT	% *	1.4	16.6		
RABBITS	DIG PROT	% *	1.4	16.0		
SHEEP	DIG PROT	% *	1.5	18.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.23	2.65		
SHEEP	DE	MCAL/KG *	0.25	2.90		
CATTLE	ME	MCAL/KG *	0.19	2.17		
SHEEP	ME	MCAL/KG *	0.20	2.38		
CATTLE	NE-M	MCAL/KG *	0.11	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.66		
CATTLE	NE-LACTATION	MCAL/KG *	0.12	1.35		
CATTLE	TDN	% *	5.2	60.1		
SHEEP	TDN	% *	5.7	65.8		
CALCIUM		%	0.23	2.63		1
PHOSPHORUS		%	0.03	0.30		1
BRASSICA OLERACEA, BOTRYTIS, HEADS, COOKED, (4)						
REF NO 4-13-358						
DRY MATTER		%	[illegible].3	100.0		1
ORGANIC MATTER		%	[illegible] 4	90.3		
ASH		%	0.9	9.7		1
CRUDE FIBER		%	1.2	12.9		1
ETHER EXTRACT		%	0.2	2.2		1
NITROGEN FREE EXTRACT		%	4.8	51.6		
PROTEIN		%	2.2	23.7		1
CATTLE	DIG PROT	% *	1.6	17.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT	% *	1.8	18.9		
HORSES	DIG PROT	% *	1.8	18.9		
SHEEP	DIG PROT	% *	1.8	18.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.29	3.08		
SHEEP	ME	MCAL/KG *	0.23	2.53		
SHEEP	TDN	% *	6.5	69.8		
CALCIUM		%	0.03	0.32		1
IRON		%	0.002	0.022		1
PHOSPHORUS		%	0.04	0.43		1
ASCORBIC ACID		MG/KG	640.0	6881.7		1
NIACIN		MG/KG	7.0	75.3		1
RIBOFLAVIN		MG/KG	1.6	17.2		1
THIAMINE		MG/KG	0.8	8.6		1
VITAMIN A EQUIV		IU/G	(2.5)	(26.9)		
BRASSICA OLERACEA, CAPITATA, CABBAGE						
BRASSICA OLERACEA, CAPITATA, AERIAL PART, FRESH, (2)						
REF NO 2-01-046						
DRY MATTER		%	(9.4)	(100.0)	14	6
ORGANIC MATTER		%	8.4	89.7		
ASH		%	1.0	10.3		3
SHEEP	DIG COEF	%	8.	8.		
CRUDE FIBER		%	1.0	10.5	1	4
SHEEP	DIG COEF	%	91.	91.		1
ETHER EXTRACT		%	0.3	2.7	22	4
SHEEP	DIG COEF	%	70.	70.		1
NITROGEN FREE EXTRACT		%	5.2	55.0	6	4
SHEEP	DIG COEF	%	96.	96.		1
PROTEIN		%	2.0	21.4	13	4
SHEEP	DIG COEF	%	86.	86.		1
CATTLE	DIG PROT	% *	1.5	16.1		
GOATS	DIG PROT	% *	1.6	16.6		
HORSES	DIG PROT	% *	1.5	15.7		
RABBITS	DIG PROT	% *	1.4	15.2		
SHEEP	DIG PROT	%	1.7	18.4		
ENERGY	GE	KCAL/KG	296.	3158.		1
CATTLE	DE	MCAL/KG *	0.34	3.63		
SHEEP	DE	MCAL/KG *	0.35	3.75		
CATTLE	ME	MCAL/KG *	0.28	2.98		
SHEEP	ME	MCAL/KG *	0.29	3.08		
CATTLE	NE-M	MCAL/KG *	0.18	1.94		
CATTLE	NE-GAIN	MCAL/KG *	0.12	1.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	2.12		
CATTLE	TDN	% *	7.7	82.3		
SHEEP	TDN	%	(8.0)	(85.1)		1
CALCIUM		%	(0.06)	(0.64)		2
CHLORINE		%	(0.05)	(0.53)		1
COPPER		MG/KG	(1.3)	(14.1)		1
IRON		%	(0.001)	(0.008)		2
MAGNESIUM		%	(0.02)	(0.21)		1
MANGANESE		MG/KG	(2.9)	(30.5)		1
PHOSPHORUS		%	(0.03)	(0.35)		2
POTASSIUM		%	(0.26)	(2.81)		2
SODIUM		%	(0.02)	(0.18)		2
SULPHUR		%	(0.11)	(1.17)		1
ASCORBIC ACID		MG/KG	(579.3)	(6184.2)		1
CHOLINE		MG/KG	(2502.)	(26713.)		1
FOLIC ACID		MG/KG	(0.64)	(6.80)		1
NIACIN		MG/KG	(3.3)	(35.0)		2
RIBOFLAVIN		MG/KG	(0.6)	(6.1)	16	6
THIAMINE		MG/KG	(0.6)	(6.8)		2
VITAMIN A		IU/G	1.6	17.1		1
VITAMIN A EQUIV		IU/G	0.7	7.8		
BRASSICA OLERACEA, CAPITATA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-13-970						
DRY MATTER		%	11.6	100.0		2
ORGANIC MATTER		%	9.5	82.0		2
ASH		%	2.1	18.1		2
CRUDE FIBER		%	2.8	23.9		2
ETHER EXTRACT		%	0.3	2.2		2
NITROGEN FREE EXTRACT		%	3.3	28.8		2
PROTEIN		%	3.1	27.1		2
CATTLE	DIG PROT	% *	2.4	20.9		
GOATS	DIG PROT	% *	2.5	21.8		
HORSES	DIG PROT	% *	2.4	20.5		
RABBITS	DIG PROT	% *	2.3	19.6		
SHEEP	DIG PROT	% *	2.6	22.2		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.30	2.60		
SHEEP	ME	MCAL/KG *	0.25	2.13		
SHEEP	TDN	% *	6.8	59.0		
CALCIUM		%	0.24	2.06		2
PHOSPHORUS		%	0.06	0.55		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA OLERACEA, CAPITATA, LEAVES, COOKED, (4)						
REF NO 4-13-359						
DRY MATTER		%	7.9	100.0		1
ORGANIC MATTER		%	7.5	94.9		
ASH		%	0.4	5.1		1
CRUDE FIBER		%	0.7	8.9		1
ETHER EXTRACT		%	0.2	2.5		1
NITROGEN FREE EXTRACT		%	5.4	68.4		
PROTEIN		%	1.2	15.2		1
CATTLE	DIG PROT	% *	0.8	10.0		
GOATS	DIG PROT	% *	0.9	11.2		
HORSES	DIG PROT	% *	0.9	11.2		
SHEEP	DIG PROT	% *	0.9	11.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.24	3.00		
SHEEP	DE	MCAL/KG *	0.27	3.48		
SWINE	DE	KCAL/KG *	267.	3383.		
CATTLE	ME	MCAL/KG *	0.19	2.46		
SHEEP	ME	MCAL/KG *	0.23	2.85		
SWINE	ME	KCAL/KG *	248.	3144.		
CATTLE	NE-M	MCAL/KG *	0.12	1.49		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.92		
CATTLE	NE-LACTATION	MCAL/KG *	0.13	1.63		
CATTLE	TDN	% *	5.4	68.1		
SHEEP	TDN	% *	6.2	78.9		
SWINE	TDN	% *	6.1	76.7		
CALCIUM		%	0.03	0.38		1
IRON		%	0.001	0.013		1
PHOSPHORUS		%	0.02	0.25		1
ASCORBIC ACID		MG/KG	435.0	5506.3		1
NIACIN		MG/KG	5.0	63.3		1
RIBOFLAVIN		MG/KG	1.3	16.5		1
THIAMINE		MG/KG	0.5	6.3		1
VITAMIN A EQUIV		IU/G	9.5	120.3		

BRASSICA RAPA, TURNIP

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA RAPA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-13-908						
DRY MATTER		%	11.0	100.0		1
ORGANIC MATTER		%	9.2	83.7		1
ASH		%	1.8	16.3		1
CRUDE FIBER		%	1.7	15.9		1
ETHER EXTRACT		%	0.3	2.6		1
NITROGEN FREE EXTRACT		%	4.6	42.0		1
PROTEIN		%	2.5	23.0		1
CATTLE	DIG PROT	% *	1.9	17.4		
GOATS	DIG PROT	% *	2.0	18.0		
HORSES	DIG PROT	% *	1.9	17.1		
RABBITS	DIG PROT	% *	1.8	16.4		
SHEEP	DIG PROT	% *	2.0	18.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.28	2.56		
SHEEP	DE	MCAL/KG *	0.31	2.84		
CATTLE	ME	MCAL/KG *	0.23	2.10		
SHEEP	ME	MCAL/KG *	0.26	2.33		
CATTLE	NE-M	MCAL/KG *	0.14	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	0.14	1.29		
CATTLE	TDN	% *	6.4	58.1		
SHEEP	TDN	% *	7.1	64.5		
CALCIUM		%	0.17	1.51		1
PHOSPHORUS		%	0.04	0.34		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA RAPA, AERIAL PART, FRESH, MILK STAGE, (2)						
REF NO 2-13-909						
DRY MATTER		%	8.1	100.0	25	4
ORGANIC MATTER		%	6.6	81.1	12	4
ASH		%	1.5	18.9	12	4
CRUDE FIBER		%	1.1	13.2	18	4
ETHER EXTRACT		%	0.1	1.2	40	4
NITROGEN FREE EXTRACT		%	3.7	45.0	7	4
PROTEIN		%	1.8	21.6	12	4
CATTLE	DIG PROT	% *	1.3	16.3		
GOATS	DIG PROT	% *	1.4	16.7		
HORSES	DIG PROT	% *	1.3	15.9		
RABBITS	DIG PROT	% *	1.2	15.4		
SHEEP	DIG PROT	% *	1.4	17.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.19	2.34		
SHEEP	DE	MCAL/KG *	0.23	2.77		
CATTLE	ME	MCAL/KG *	0.16	1.92		
SHEEP	ME	MCAL/KG *	0.18	2.27		
CATTLE	NE-M	MCAL/KG *	0.09	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.09	1.11		
CATTLE	TDN	% *	4.3	53.1		
SHEEP	TDN	% *	5.1	62.9		
CALCIUM		%	0.13	1.61	49	4
PHOSPHORUS		%	0.03	0.33	20	4

BRASSICA RAPA, SEEDS, (5)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 5-15-409						
DRY MATTER		%	92.8	100.0		1
ORGANIC MATTER		%	88.0	94.8		
ASH		%	4.8	5.2		1
CRUDE FIBER		%	10.7	11.5		1
ETHER EXTRACT		%	37.4	40.3		1
NITROGEN FREE EXTRACT		%	19.4	20.9		1
PROTEIN		%	20.5	22.1		1
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	4.70	5.07		
SHEEP	ME	MCAL/KG *	3.85	4.15		
SHEEP	TDN	% *	106.6	114.9		

BRASSICA SPP, RAPE

BRASSICA SPP, SEEDS, (5)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 5-08-109						
DRY MATTER		%	94.1	100.0		1
PROTEIN		%	33.3	35.4		1
LYSINE		%	1.68	1.79		1
METHIONINE		%	0.60	0.64		1

BRASSICA SPP, SEEDS, MECH EXTD GRND, (5)
RAPESEED OIL MEAL, EXPELLER EXTRACTED
RAPESEED MEAL, EXPELLER EXTRACTED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
REF NO 5-03-870						
DRY MATTER		%	93.8	100.0	1	7
ORGANIC MATTER		%	87.2	93.0		
ASH		%	6.6	7.0		2
CRUDE FIBER		%	12.5	13.3	12	6
ETHER EXTRACT		%	6.5	6.9	33	6
NITROGEN FREE EXTRACT		%	33.1	35.3		1
PROTEIN		%	35.1	37.4	5	6
FATTY ACIDS		%				
LINOLEIC		%	9.079	9.677		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.04	3.24		
SHEEP	DE	MCAL/KG *	3.32	3.54		
SWINE	DE	KCAL/KG *	2992.	3189.		
CATTLE	ME	MCAL/KG *	2.49	2.65		
CHICKENS	ME-N	KCAL/KG	2043.	2177.		2
SHEEP	ME	MCAL/KG *	2.72	2.90		
SWINE	ME	KCAL/KG	2665.	2840.		1
CATTLE	NE-M	MCAL/KG *	1.54	1.64		
CATTLE	NE-GAIN	MCAL/KG *	1.00	1.07		
CATTLE	NE-LACTATION	MCAL/KG *	(1.70)	(1.81)		
CHICKENS	PRODUCTIVE	KCAL/KG	1098.	1170.		1
CATTLE	TDN	% *	68.8	73.4		
SHEEP	TDN	% *	75.3	80.2		
SWINE	TDN	%	(67.9)	(72.3)		1
CALCIUM		%	(0.72)	(0.77)	22	6
MANGANESE		MG/KG	(61.1)	(65.1)		3
PHOSPHORUS		%	(1.09)	(1.16)	12	6
CHICKENS, CHICKS AVAILABLE		%	(0.35)	(0.38)		3
SELENIUM		MG/KG	(0.978)	(1.043)		1
A-TOCOPHEROL		MG/KG	(19.2)	(20.4)		1
CHOLINE		MG/KG	(6473.)	(6899.)		2
NIACIN		MG/KG	(153.0)	(163.1)		2
PANTOTHENIC ACID		MG/KG	(8.8)	(9.4)		2
RIBOFLAVIN		MG/KG	(3.7)	(3.9)		2
THIAMINE		MG/KG	1.7	1.8		1
ALANINE		%	(1.53)	(1.63)		3
ARGININE		%	2.00	2.13	10	5
ASPARTIC ACID		%	2.49	2.66		3
CYSTINE		%	0.31	0.33	25	4
GLUTAMIC ACID		%	5.99	6.39		3
GLYCINE		%	1.88	2.01	8	5
HISTIDINE		%	0.90	0.95	14	5
ISOLEUCINE		%	1.37	1.46	4	5
LEUCINE		%	2.41	2.57	6	4
LYSINE		%	1.83	1.95	16	5
METHIONINE		%	(0.68)	(0.73)	4	5
PHENYLALANINE		%	1.42	1.51	2	5
PROLINE		%	2.19	2.33		3
SERINE		%	1.54	1.64		3
THREONINE		%	(1.57)	(1.67)	5	5
TRYPTOPHAN		%	0.45	0.48		2
TYROSINE		%	0.83	0.88	8	4
VALINE		%	1.83	1.95	8	5
ISOTHIOCYANATE		%	2.561	2.729		3
OXAZOLADINETHIONE		%	2.74	2.92		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BRASSICA SPP, SEEDS, SOLV EXTD (AND, (5) RAPESEED OIL MEAL, SOLVENT EXTRACTED RAPESEED MEAL, SOLVENT EXTRACTED						
REF NO 5-03-071						
DRY MATTER		%	91.3	100.0	1	16
ORGANIC MATTER		%	84.2	92.2		
ASH		%	7.1	7.8		2
CRUDE FIBER		%	11.6	12.7	9	15
ETHER EXTRACT		%	1.5	1.7	36	15
NITROGEN FREE EXTRACT		%	33.5	36.6		1
PROTEIN		%	37.6	41.2	3	15
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.70	2.95		
SHEEP	DE	MCAL/KG *	2.98	3.24		
SWINE	DE	KCAL/KG *	2714.	2971.		
CATTLE	ME	MCAL/KG *	2.21	2.42		
CHICKENS	ME-N	KCAL/KG	1757.	1924.		1
SHEEP	ME	MCAL/KG *	2.43	2.66		
SWINE	ME	KCAL/KG	2383.	2609.		1
CATTLE	NE-M	MCAL/KG *	1.34	1.46		
CATTLE	NE-GAIN	MCAL/KG *	0.81	0.89		
CATTLE	NE-LACTATION	MCAL/KG *	(1.45)	(1.59)		
CHICKENS	PRODUCTIVE	KCAL/KG	1092.	1196.		1
CATTLE		TDN % *	61.2	67.0		
SHEEP		TDN % *	67.2	73.5		
SWINE		TDN %	(61.5)	(67.4)		1
CALCIUM		%	0.61	0.67	14	14
PHOSPHORUS		%	(0.95)	(1.04)	10	14
SELENIUM		MG/KG	(0.973)	(1.065)		1
CHOLINE		MG/KG	(6029.)	(6601.)		1
NIACIN		MG/KG	(148.9)	(163.0)		1
PANTOTHENIC ACID		MG/KG	(8.2)	(9.0)		1
RIBOFLAVIN		MG/KG	(3.4)	(3.7)		1
THIAMINE		MG/KG	1.6	1.7		1
ALANINE		%	1.61	1.76	3	13
ARGININE		%	2.09	2.28	6	15
ASPARTIC ACID		%	2.51	2.75	4	13
CYSTINE		%	0.30	0.33	16	12
GLUTAMIC ACID		%	6.32	6.92	5	13
GLYCINE		%	(1.80)	(1.97)	4	14
HISTIDINE		%	1.03	1.13	13	15
ISOLEUCINE		%	1.37	1.50	7	15
LEUCINE		%	2.50	2.74	4	14
LYSINE		%	2.01	2.20	6	15
METHIONINE		%	0.70	0.77	6	14
PHENYLALANINE		%	1.42	1.56	4	14
PROLINE		%	2.28	2.50	7	13
SERINE		%	1.57	1.72	4	13
THREONINE		%	1.57	1.72	4	15
TRYPTOPHAN		%	0.47	0.52		2
TYROSINE		%	0.79	0.87	5	13
VALINE		%	1.89	2.07	19	15
ISOTHIOCYANATE		%	3.037	3.326	67	19
OXAZOLADINETHIONE		%	2.48	2.71	80	19

BREAD

BREAD, DEHY, (4)

REF NO 4-07-944

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.6	100.0		3
ORGANIC MATTER		%	84.4	95.3		
ASH		%	4.2	4.7		3
CRUDE FIBER		%	0.5	0.5		3
ETHER EXTRACT		%	2.4	2.7		3
NITROGEN FREE EXTRACT		%	70.8	79.9		3
PROTEIN		%	10.7	12.1		3
CATTLE	DIG PROT	% *	6.3	7.1		
GOATS	DIG PROT	% *	7.4	8.3		
HORSES	DIG PROT	% *	7.4	8.3		
SHEEP	DIG PROT	% *	7.4	8.3		
ENERGY	GE	KCAL/KG				
SWINE	DE	KCAL/KG *	3280.	3702.		
CHICKENS	ME-N	KCAL/KG	3634.	4101.		1
SWINE	ME	KCAL/KG *	(3069.)	(3464.)		
CHICKENS	PRODUCTIVE	KCAL/KG	2498.	2820.		1
SWINE		TDN % *	(74.4)	(84.0)		
CALCIUM		%	(0.05)	(0.06)		3
PHOSPHORUS		%	(0.10)	(0.11)		3
CHICKENS, CHICKS AVAILABLE		%	(0.04)	(0.04)		1
CHOLINE		MG/KG	(641.)	(723.)		2
NIACIN		MG/KG	(28.1)	(31.7)		2
PANTOTHENIC ACID		MG/KG	(10.8)	(12.2)		2
RIBOFLAVIN		MG/KG	(2.0)	(2.2)		2
ARGININE		%	(0.29)	(0.33)		2
CYSTINE		%	(0.12)	(0.13)		2
LYSINE		%	(0.20)	(0.22)		2
METHIONINE		%	(0.09)	(0.10)		2
TRYPTOPHAN		%	(0.08)	(0.09)		2

BREVOORTIA TYRANNUS, FISH, MENHADEN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BREVOORTIA TYRANNUS MENHADEN, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5) FISH MEAL, MENHADEN						
REF NO 5-02-009						
DRY MATTER		%	(91.5)	(100.0)	1	65
ORGANIC MATTER		%	72.5	79.3		
ASH		%	18.9	20.7	12	57
SHEEP	DIG COEF	%	38.	38.		
CRUDE FIBER		%	0.7	0.8	32	8
ETHER EXTRACT		%	9.6	10.5	18	59
SHEEP	DIG COEF	%	(108.)	(108.)		1
FAT, TOTAL (OFFICIAL)		%	12.2	13.4	13	17
NITROGEN FREE EXTRACT		%	1.7	1.8	14	5
PROTEIN		%	60.5	66.1	4	59
SHEEP	DIG COEF	%	81.	81.		1
SHEEP	DIG PROT	%	49.0	53.6		
FATTY ACIDS		%				
LINOLEIC		%	0.119	0.130		1
ENERGY	GE	KCAL/KG	4390.	4800.		1
SHEEP	DE	MCAL/KG *	2.57	2.81		
SWINE	DE	KCAL/KG	3283.	3590.		1
CHICKENS	ME-N	KCAL/KG	2823.	3086.	3	4
SHEEP	ME	MCAL/KG *	2.11	2.30		
SWINE	ME	KCAL/KG	(2530.)	(2767.)		2
CHICKENS	PRODUCTIVE	KCAL/KG	2007.	2194.		2
SHEEP		TDN %	58.3	63.7		1
SWINE		TDN %	(61.6)	(67.4)		1
ALUMINUM		MG/KG	(330.45)	(361.33)	46	13
BARIUM		MG/KG	(19.749)	(21.594)	72	13
BORON		MG/KG	(13.891)	(15.189)	17	13
CALCIUM		%	(5.10)	(5.58)	12	34
CHLORINE		%	(0.61)	(0.66)		3
CHROMIUM		MG/KG	(10.358)	(11.326)	24	13
COBALT		MG/KG	(0.197)	(0.215)		1
COPPER		MG/KG	(10.8)	(11.8)	29	16
IODINE		MG/KG	(2.006)	(2.193)		1
IRON		%	(0.044)	(0.048)	29	16
MAGNESIUM		%	(0.15)	(0.17)	25	14
MANGANESE		MG/KG	(33.0)	(36.1)	43	17
PHOSPHORUS		%	(2.86)	(3.15)	8	34
CHICKENS, CHICKS AVAILABLE		%	(2.79)	(3.05)		2
POTASSIUM		%	(0.77)	(0.84)	26	14
SELENIUM		MG/KG	(2.102)	(2.298)	35	14
SODIUM		%	(0.42)	(0.45)	76	15
STRONTIUM		MG/KG	(62.614)	(68.465)	30	13
ZINC		MG/KG	(147.0)	(160.8)	10	15
A-TOCOPHEROL		MG/KG	(7.3)	(8.0)		2
BIOTIN		MG/KG	(0.20)	(0.22)		2
CHOLINE		MG/KG	(3054.)	(3340.)	9	4
FOLIC ACID		MG/KG	(0.60)	(0.65)		2
NIACIN		MG/KG	(55.1)	(60.2)		6
PANTOTHENIC ACID		MG/KG	(8.7)	(9.6)		4
RIBOFLAVIN		MG/KG	(4.9)	(5.3)	4	7
THIAMINE		MG/KG	(0.5)	(0.5)		3
VITAMIN B6		MG/KG	(3.46)	(3.80)		1
VITAMIN B12		UG/KG	(104.2)	(114.0)		3
ALANINE		%	(3.71)	(4.05)	6	28
ARGININE		%	(3.78)	(4.14)	8	35
ASPARTIC ACID		%	(5.64)	(6.17)	5	28
CYSTINE		%	(0.64)	(0.70)	27	28
GLUTAMIC ACID		%	(7.90)	(8.64)	5	28
GLYCINE		%	(4.19)	(4.58)	5	33
HISTIDINE		%	(1.46)	(1.60)	9	33
ISOLEUCINE		%	(2.86)	(3.12)	13	33
LEUCINE		%	(4.50)	(4.92)	6	32
LYSINE		%	(4.83)	(5.28)	8	35
METHIONINE		%	(1.77)	(1.94)	7	35
PHENYLALANINE		%	(2.47)	(2.71)	6	33
PROLINE		%	(2.83)	(3.10)	5	28
SERINE		%	(2.25)	(2.46)	7	28
THREONINE		%	(2.50)	(2.73)	7	33
TRYPTOPHAN		%	(0.68)	(0.74)	14	33
TYROSINE		%	(1.97)	(2.16)	9	31
VALINE		%	3.23	3.53	6	33

BREWERS DRIED GRAINS (CFA)
=SEE GRAINS, BREWERS GRAINS, DEHY, MX 38 DRIED SPENT HOPS, (5)

BREWERS DRIED GRAINS (AAFCO)
=SEE GRAINS, BREWERS GRAINS, DEHY, MX 38 DRIED SPENT HOPS, (5)

BREWERS DRIED YEAST (AAFCO)
=SEE SACCHAROMYCES CEREVISIAE BREWERS SACCHAROMYCES, DEHY GRND, MN 405 PROTEIN, (7)

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BREWERS DRIED YEAST (CFA)						
*SEE SACCHAROMYCES CEREVISIAE BREWERS SACCHAROMYCES, DEHY GRND, (7)						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BREWERS RICE (AAFCO)						
*SEE ORYZA SATIVA, GROATS, POLISHED AND BROKEN, (4)						

BRIOCHLOA SPP, BRIOCHLOA

BRIOCHLOA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-969

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	30.2	100.0		1
ORGANIC MATTER		%	26.3	87.2		1
ASH		%	3.9	12.8		1
CRUDE FIBER		%	9.4	31.0		1
ETHER EXTRACT		%	0.5	1.6		1
NITROGEN FREE EXTRACT		%	14.6	46.4		1
PROTEIN		%	1.9	6.2		1
CATTLE	DIG PROT % *		1.0	3.2		
GOATS	DIG PROT % *		0.7	2.3		
HORSES	DIG PROT % *		0.8	2.8		
RABBITS	DIG PROT % *		1.0	3.5		
SHEEP	DIG PROT % *		0.8	2.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.72	2.40		
SHEEP	DE MCAL/KG *		0.74	2.46		
CATTLE	ME MCAL/KG *		0.59	1.97		
SHEEP	ME MCAL/KG *		0.61	2.01		
CATTLE	NE-M MCAL/KG *		0.35	1.16		
CATTLE	NE-GAIN MCAL/KG *		0.14	0.45		
CATTLE	NE-LACTATION MCAL/KG *		0.35	1.16		
CATTLE	TDN % *		16.4	54.4		
SHEEP	TDN % *		16.8	55.7		
CALCIUM		%	0.19	0.64		1
PHOSPHORUS		%	0.07	0.24		1

BRIZA SUBAUSTATA, QUAKINGGRASS, SUBAUSTATA

BRIZA SUBAUSTATA SUBAUSTATA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-11-323

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	38.0	100.0		1
ORGANIC MATTER		%	33.4	88.0		
ASH		%	4.6	12.0		1
CRUDE FIBER		%	12.0	31.5		1
ETHER EXTRACT		%	0.5	1.4		1
NITROGEN FREE EXTRACT		%	18.3	48.2		1
PROTEIN		%	2.6	6.9		1
CATTLE	DIG PROT % *		1.4	3.8		
GOATS	DIG PROT % *		1.1	3.0		
HORSES	DIG PROT % *		1.3	3.4		
RABBITS	DIG PROT % *		1.5	4.0		
SHEEP	DIG PROT % *		1.3	3.4		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.93	2.45		
SHEEP	DE MCAL/KG *		0.94	2.46		
CATTLE	ME MCAL/KG *		0.76	2.01		
SHEEP	ME MCAL/KG *		0.77	2.02		
CATTLE	NE-M MCAL/KG *		0.45	1.18		
CATTLE	NE-GAIN MCAL/KG *		0.19	0.49		
CATTLE	NE-LACTATION MCAL/KG *		0.45	1.19		
CATTLE	TDN % *		21.1	55.5		
SHEEP	TDN % *		21.2	55.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BROKEN RICE (AAFCO)						
*SEE ORYZA SATIVA, GROATS, POLISHED AND BROKEN, (4)						

BROMELIA LACINIOSA

BROMELIA LACINIOSA LACINIOSA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-11-325

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.4		
ASH		%		5.6		1
CRUDE FIBER		%		60.1		1
ETHER EXTRACT		%		1.7		1
NITROGEN FREE EXTRACT		%		26.3		1
PROTEIN		%		6.3		1
CATTLE	DIG PROT % *			3.2		
GOATS	DIG PROT % *			2.4		
HORSES	DIG PROT % *			2.9		
RABBITS	DIG PROT % *			3.5		
SHEEP	DIG PROT % *			2.9		

BROMELIA LACINIOSA LACINIOSA, FRUIT, (5)

REF NO 5-11-344

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.2		
ASH		%		6.8		1
CRUDE FIBER		%		24.4		1
ETHER EXTRACT		%		2.0		1
NITROGEN FREE EXTRACT		%		61.4		1
PROTEIN		%		5.4		1

BROMUS AULETICUS, BROME, AULETICUS

BROMUS AULETICUS AULETICUS, AERIAL PART, FRESH, (2)

REF NO 2-11-326

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.7	100.0		1
ORGANIC MATTER		%	21.6	91.0		1
ASH		%	2.1	9.0		1
CRUDE FIBER		%	6.6	28.0		1
ETHER EXTRACT		%	0.9	3.9		1
NITROGEN FREE EXTRACT		%	9.1	38.2		1
PROTEIN		%	5.0	20.9		1
CATTLE	DIG PROT % *		3.7	15.7		
GOATS	DIG PROT % *		3.8	16.1		
HORSES	DIG PROT % *		3.6	15.3		
RABBITS	DIG PROT % *		3.5	14.8		
SHEEP	DIG PROT % *		3.9	16.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.67	2.82		
SHEEP	DE MCAL/KG *		0.69	2.91		
CATTLE	ME MCAL/KG *		0.55	2.31		
SHEEP	ME MCAL/KG *		0.57	2.39		
CATTLE	NE-M MCAL/KG *		0.33	1.38		
CATTLE	NE-GAIN MCAL/KG *		0.19	0.79		
CATTLE	NE-LACTATION MCAL/KG *		0.35	1.49		
CATTLE	TDN % *		15.2	64.0		
SHEEP	TDN % *		15.6	66.0		

BROMUS AULETICUS AULETICUS, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-15-453

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.3	100.0		2
DM IN VITRO (TILLY)	DIG COEF %		76.	76.		2
ORGANIC MATTER		%	26.4	90.2		
ASH		%	2.9	9.8		2
PROTEIN		%	6.6	22.6		2
CATTLE	DIG PROT % *		5.0	17.1		
GOATS	DIG PROT % *		5.2	17.6		
HORSES	DIG PROT % *		4.9	16.7		
RABBITS	DIG PROT % *		4.7	16.1		
SHEEP	DIG PROT % *		5.3	18.1		

BROMUS AULETICUS AULETICUS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-15-454

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.2	100.0		2
DM IN VITRO (TILLY)	DIG COEF %		70.	70.		2
ORGANIC MATTER		%	26.5	90.8		
ASH		%	2.7	9.3		2
PROTEIN		%	3.9	13.4		2
CATTLE	DIG PROT % *		2.7	9.3		
GOATS	DIG PROT % *		2.6	9.1		
HORSES	DIG PROT % *		2.6	8.9		
RABBITS	DIG PROT % *		2.6	9.0		
SHEEP	DIG PROT % *		2.8	9.5		

BROMUS AULETICUS AULETICUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-15-455

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	41.3	100.0		1
DM IN VITRO (TILLY)	DIG COEF %		52.	52.		1
ORGANIC MATTER		%	38.5	93.2		
ASH		%	2.8	6.8		1
PROTEIN		%	3.1	7.5		1
CATTLE	DIG PROT % *		1.8	4.3		
GOATS	DIG PROT % *		1.5	3.6		
HORSES	DIG PROT % *		1.6	3.9		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *	1.8	4.5		
SHEEP	DIG PROT	% *	1.6	4.0		

BROMUS CATHARTICUS, BROME, RESCUE

BROMUS CATHARTICUS RESCUE, HAY, S-C, 57 TO 70 DAYS' GROWTH, (1)

REF NO 1-11-327

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.5		
ASH		%		11.5		1
CRUDE FIBER		%		24.6		1
ETHER EXTRACT		%		3.4		1
NITROGEN FREE EXTRACT		%		42.8		1
PROTEIN		%		17.7		1
CATTLE	DIG PROT	% *		12.3		
GOATS	DIG PROT	% *		13.1		
HORSES	DIG PROT	% *		12.6		
RABBITS	DIG PROT	% *		12.3		
SHEEP	DIG PROT	% *		12.5		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		2.70		
HORSES	DE KCAL/KG	*		1.88		
SHEEP	DE KCAL/KG	*		2.60		
CATTLE	ME KCAL/KG	*		2.21		
HORSES	ME KCAL/KG	*		1.54		
SHEEP	ME KCAL/KG	*		2.13		
CATTLE	NE-M KCAL/KG	*		1.31		
CATTLE	NE-GAIN KCAL/KG	*		0.70		
CATTLE	NE-LACTATION KCAL/KG	*		1.39		
CATTLE	TDN	% *		61.2		
HORSES	TDN	% *		46.9		
SHEEP	TDN	% *		58.9		

BROMUS CATHARTICUS RESCUE, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)

REF NO 1-13-973

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		44.	15	8
PROTEIN		%		9.0	45	12
CATTLE	DIG PROT	% *		4.7		
GOATS	DIG PROT	% *		5.0		
HORSES	DIG PROT	% *		5.2		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		4.7		
PHOSPHORUS		%		0.20	40	5

BROMUS CATHARTICUS RESCUE, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)

REF NO 1-13-586

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.4	100.0		1
PROTEIN		%	20.7	22.2		1
CATTLE	DIG PROT	% *	15.1	16.2		
GOATS	DIG PROT	% *	16.1	17.3		
HORSES	DIG PROT	% *	15.3	16.4		
RABBITS	DIG PROT	% *	14.8	15.8		
SHEEP	DIG PROT	% *	15.4	16.5		

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, (2)

REF NO 2-08-361

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		44.	16	8
ORGANIC MATTER		%		90.3		
ASH		%		9.7	61	4
CRUDE FIBER		%		22.6	44	4
ETHER EXTRACT		%		2.0	28	4
NITROGEN FREE EXTRACT		%		56.8	25	4
PROTEIN		%		8.8	42	16
CATTLE	DIG PROT	% *		5.4		
GOATS	DIG PROT	% *		4.8		
HORSES	DIG PROT	% *		5.0		
RABBITS	DIG PROT	% *		5.5		
SHEEP	DIG PROT	% *		5.2		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		2.98		
SHEEP	DE KCAL/KG	*		2.84		
CATTLE	ME KCAL/KG	*		2.44		
SHEEP	ME KCAL/KG	*		2.33		
CATTLE	NE-M KCAL/KG	*		1.47		
CATTLE	NE-GAIN KCAL/KG	*		0.90		
CATTLE	NE-LACTATION KCAL/KG	*		1.61		
CATTLE	TDN	% *		67.5		
SHEEP	TDN	% *		64.4		
CALCIUM		%		0.75		1
PHOSPHORUS		%		0.25	90	7
POTASSIUM		%		3.98		1

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-00-932

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.2	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	81.	81.		2
ORGANIC MATTER		%	20.6	88.9		
ASH		%	2.6	11.1		2
PROTEIN		%	4.0	17.2		2
CATTLE	DIG PROT	% *	2.9	12.6		
GOATS	DIG PROT	% *	2.9	12.7		
HORSES	DIG PROT	% *	2.8	12.2		
RABBITS	DIG PROT	% *	2.8	12.0		
SHEEP	DIG PROT	% *	3.0	13.1		

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-08-362

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.3	100.0	6	6
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.	8	6
ORGANIC MATTER		%	22.9	90.5		
ASH		%	2.4	9.5	12	6
PROTEIN		%	4.2	16.7	20	6
CATTLE	DIG PROT	% *	3.1	12.1		
GOATS	DIG PROT	% *	3.1	12.2		
HORSES	DIG PROT	% *	3.0	11.7		
RABBITS	DIG PROT	% *	2.9	11.6		
SHEEP	DIG PROT	% *	3.2	12.6		

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-00-933

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.2	100.0		2
ORGANIC MATTER		%	23.4	86.0		
ASH		%	3.8	14.0		2
CRUDE FIBER		%	6.8	24.9		2
ETHER EXTRACT		%	0.6	2.1		2
NITROGEN FREE EXTRACT		%	12.7	46.6		2
PROTEIN		%	3.4	12.5		2
CATTLE	DIG PROT	% *	2.3	8.5		
GOATS	DIG PROT	% *	2.2	8.2		
HORSES	DIG PROT	% *	2.2	8.1		
RABBITS	DIG PROT	% *	2.3	8.3		
SHEEP	DIG PROT	% *	2.3	8.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.71	2.62		
SHEEP	DE MCAL/KG	*	0.72	2.64		
CATTLE	ME MCAL/KG	*	0.58	2.14		
SHEEP	ME MCAL/KG	*	0.59	2.16		
CATTLE	NE-M MCAL/KG	*	0.35	1.27		
CATTLE	NE-GAIN MCAL/KG	*	0.17	0.63		
CATTLE	NE-LACTATION MCAL/KG	*	0.36	1.33		
CATTLE	TDN	% *	16.1	59.3		
SHEEP	TDN	% *	16.3	59.9		
CALCIUM		%	0.15	0.57		1
COPPER		MG/KG	7.8	28.8		1
MAGNESIUM		%	0.04	0.15		1
PHOSPHORUS		%	0.08	0.30		1

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-912

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.3	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.		2
ORGANIC MATTER		%	22.7	89.8		1
ASH		%	2.0	8.0		3
CRUDE FIBER		%	9.0	35.6		1
ETHER EXTRACT		%	0.6	2.2		1
NITROGEN FREE EXTRACT		%	11.1	43.8		1
PROTEIN		%	2.6	10.4		3
CATTLE	DIG PROT	% *	1.7	6.7		
GOATS	DIG PROT	% *	1.6	6.3		
HORSES	DIG PROT	% *	1.6	6.4		
RABBITS	DIG PROT	% *	1.7	6.7		
SHEEP	DIG PROT	% *	1.7	6.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.60	2.38		
SHEEP	DE MCAL/KG	*	0.65	2.56		
CATTLE	ME MCAL/KG	*	0.49	1.95		
SHEEP	ME MCAL/KG	*	0.53	2.10		
CATTLE	NE-M MCAL/KG	*	0.29	1.15		
CATTLE	NE-GAIN MCAL/KG	*	0.11	0.43		
CATTLE	NE-LACTATION MCAL/KG	*	0.29	1.14		
CATTLE	TDN	% *	13.7	53.9		
SHEEP	TDN	% *	14.7	58.1		
CALCIUM		%	0.07	0.29		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
PHOSPHORUS		%	0.05	0.21	1

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-13-629

DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.6	
ASH		%		5.4	1
CRUDE FIBER		%		16.2	1
ETHER EXTRACT		%		2.0	1
NITROGEN FREE EXTRACT		%		69.8	1
PROTEIN		%		6.6	1
CATTLE	DIG PROT	% *		3.5	
GOATS	DIG PROT	% *		2.7	
HORSES	DIG PROT	% *		3.1	
RABBITS	DIG PROT	% *		3.8	
SHEEP	DIG PROT	% *		3.1	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*		3.32	
SHEEP	ME MCAL/KG	*		2.72	
SHEEP	TDN	% *		75.2	

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-10-443

DRY MATTER		%	57.4	100.0	1
ORGANIC MATTER		%	46.3	80.7	
ASH		%	11.1	19.3	1
CRUDE FIBER		%	13.5	23.5	1
ETHER EXTRACT		%	1.2	2.1	1
NITROGEN FREE EXTRACT		%	26.3	45.8	1
PROTEIN		%	5.3	9.2	1
CATTLE	DIG PROT	% *	3.3	5.7	
GOATS	DIG PROT	% *	3.0	5.2	
HORSES	DIG PROT	% *	3.1	5.4	
RABBITS	DIG PROT	% *	3.3	5.8	
SHEEP	DIG PROT	% *	3.2	5.6	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	1.37	2.39	
SHEEP	DE MCAL/KG	*	1.43	2.49	
CATTLE	ME MCAL/KG	*	1.12	1.96	
SHEEP	ME MCAL/KG	*	1.17	2.04	
CATTLE	NE-M MCAL/KG	*	0.66	1.15	
CATTLE	NE-GAIN MCAL/KG	*	0.25	0.44	
CATTLE	NE-LACTATION MCAL/KG	*	0.66	1.15	
CATTLE	TDN	% *	31.1	54.1	
SHEEP	TDN	% *	32.4	56.4	
PHOSPHORUS		%	0.13	0.23	1

BROMUS CATHARTICUS RESCUE, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-15-450

DRY MATTER		%	41.9	100.0	3
DM IN VITRO (TILLY)	DIG COEF	%	54.	54.	3
ORGANIC MATTER		%	39.0	93.1	
ASH		%	2.9	6.9	3
PROTEIN		%	4.1	9.7	3
CATTLE	DIG PROT	% *	2.6	6.1	
GOATS	DIG PROT	% *	2.4	5.6	
HORSES	DIG PROT	% *	2.4	5.8	
RABBITS	DIG PROT	% *	2.6	6.2	
SHEEP	DIG PROT	% *	2.5	6.0	

BROMUS INERMIS, BROME, MANCHAR

BROMUS INERMIS MANCHAR, HAY, S-C FERTILIZED, (1)

REF NO 1-13-587

DRY MATTER		%	92.8	100.0	1
PROTEIN		%	26.1	27.8	1
CATTLE	DIG PROT	% *	19.7	21.0	
GOATS	DIG PROT	% *	21.1	22.5	
HORSES	DIG PROT	% *	19.8	21.1	
RABBITS	DIG PROT	% *	18.9	20.1	
SHEEP	DIG PROT	% *	20.2	21.5	

BROMUS INERMIS, BROME, SMOOTH

BROMUS INERMIS SMOOTH, HAY, S-C, (1)

REF NO 1-00-947

DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.3	
ASH		%		8.7	1
CRUDE FIBER		%		35.1	1
ETHER EXTRACT		%		1.2	1
NITROGEN FREE EXTRACT		%		45.9	1
PROTEIN		%		9.1	1
CATTLE	DIG PROT	% *		4.8	
GOATS	DIG PROT	% *		5.1	
HORSES	DIG PROT	% *		5.3	
RABBITS	DIG PROT	% *		5.7	
SHEEP	DIG PROT	% *		4.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.25	
HORSES	DE MCAL/KG	*		1.65	
SHEEP	DE MCAL/KG	*		2.28	
CATTLE	ME MCAL/KG	*		1.85	
HORSES	ME MCAL/KG	*		1.36	
SHEEP	ME MCAL/KG	*		1.87	
CATTLE	NE-M MCAL/KG	*		1.09	
CATTLE	NE-GAIN MCAL/KG	*		0.32	
CATTLE	NE-LACTATION MCAL/KG	*		1.04	
CATTLE	TDN	% *		51.1	
HORSES	TDN	% *		40.6	
SHEEP	TDN	% *		51.6	

BROMUS INERMIS SMOOTH, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-00-956

DRY MATTER		%	29.4	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.	1
ORGANIC MATTER		%	25.9	88.0	
ASH		%	3.5	12.0	1
PROTEIN		%	5.9	20.1	1
CATTLE	DIG PROT	% *	4.4	15.0	
GOATS	DIG PROT	% *	4.5	15.3	
HORSES	DIG PROT	% *	4.3	14.6	
RABBITS	DIG PROT	% *	4.2	14.2	
SHEEP	DIG PROT	% *	4.6	15.7	

BROMUS INERMIS SMOOTH, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-15-452

DRY MATTER		%	34.2	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.	1
ORGANIC MATTER		%	31.4	91.8	
ASH		%	2.8	8.2	1
PROTEIN		%	3.2	9.4	1
CATTLE	DIG PROT	% *	2.0	5.9	
GOATS	DIG PROT	% *	1.8	5.3	
HORSES	DIG PROT	% *	1.9	5.5	
RABBITS	DIG PROT	% *	2.0	5.9	
SHEEP	DIG PROT	% *	2.0	5.8	

BROMUS INERMIS SMOOTH, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-00-957

DRY MATTER		%	22.6	100.0	1
ORGANIC MATTER		%	19.4	85.8	
ASH		%	3.2	14.2	1
CRUDE FIBER		%	6.5	28.8	1
ETHER EXTRACT		%	0.7	3.1	1
NITROGEN FREE EXTRACT		%	8.1	35.8	1
PROTEIN		%	4.1	18.1	1
CATTLE	DIG PROT	% *	3.0	13.3	
GOATS	DIG PROT	% *	3.0	13.5	
HORSES	DIG PROT	% *	2.9	12.9	
RABBITS	DIG PROT	% *	2.9	12.7	
SHEEP	DIG PROT	% *	3.1	13.9	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.55	2.43	
SHEEP	DE MCAL/KG	*	0.60	2.67	
CATTLE	ME MCAL/KG	*	0.45	1.99	
SHEEP	ME MCAL/KG	*	0.49	2.19	
CATTLE	NE-M MCAL/KG	*	0.27	1.17	
CATTLE	NE-GAIN MCAL/KG	*	0.11	0.48	
CATTLE	NE-LACTATION MCAL/KG	*	0.27	1.18	
CATTLE	TDN	% *	12.5	55.1	
SHEEP	TDN	% *	13.7	60.5	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BROMUS INERMIS SMOOTH, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-15-451					
DRY MATTER		%	38.0	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	1
ORGANIC MATTER		%	35.0	92.0	
ASH		%	3.0	8.0	1
PROTEIN		%	3.0	7.9	1
CATTLE	DIG PROT	% *	1.7	4.6	
GOATS	DIG PROT	% *	1.5	3.9	
HORSES	DIG PROT	% *	1.6	4.2	
RABBITS	DIG PROT	% *	1.8	4.8	
SHEEP	DIG PROT	% *	1.7	4.4	

BROMUS LANATUS, BROME, LANATUS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BROMUS LANATUS LANATUS, AERIAL PART, FRESH, (2)					
REF NO 2-11-329					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		92.8	
ASH		%		7.2	2
CRUDE FIBER		%		26.6	1
ETHER EXTRACT		%		3.9	1
NITROGEN FREE EXTRACT		%		44.6	1
PROTEIN		%		17.7	2
CATTLE	DIG PROT	% *		13.0	
GOATS	DIG PROT	% *		13.1	
HORSES	DIG PROT	% *		12.6	
RABBITS	DIG PROT	% *		12.4	
SHEEP	DIG PROT	% *		13.5	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.18	
SHEEP	DE MCAL/KG	*		2.92	
CATTLE	ME MCAL/KG	*		2.61	
SHEEP	ME MCAL/KG	*		2.39	
CATTLE	NE-M MCAL/KG	*		1.61	
CATTLE	NE-GAIN MCAL/KG	*		1.04	
CATTLE	NE-LACTATION MCAL/KG	*		1.77	
CATTLE	TDN %	*		72.2	
SHEEP	TDN %	*		66.1	
CALCIUM		%		0.48	1
COBALT	MG/KG			0.098	1
COPPER	MG/KG			8.7	1
MANGANESE	MG/KG			112.0	1
ZINC	MG/KG			70.5	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BROMUS LANATUS LANATUS, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-11-814					
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		71.	1
PROTEIN		%		11.0	1
CATTLE	DIG PROT	% *		7.2	
GOATS	DIG PROT	% *		6.8	
HORSES	DIG PROT	% *		6.9	
RABBITS	DIG PROT	% *		7.2	
SHEEP	DIG PROT	% *		7.2	
CELL WALLS (VAN SOEST)		%		62.0	1
CELL WALLS IN VITRO	DIG COEF	%		54.	1
CELLULOSE (VAN SOEST)		%		26.1	1
FIBER, ACID DETERGENT (VS)		%		33.3	1
HEMICELLULOSE		%		29.5	1
LIGNIN KMNO4 (VS)		%		5.6	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BROMUS LANATUS LANATUS, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)					
REF NO 2-11-813					
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		76.	1
PROTEIN		%		15.6	1
CATTLE	DIG PROT	% *		11.2	
GOATS	DIG PROT	% *		11.1	
HORSES	DIG PROT	% *		10.8	
RABBITS	DIG PROT	% *		10.7	
SHEEP	DIG PROT	% *		11.5	
CELL WALLS (VAN SOEST)		%		40.2	1
CELL WALLS IN VITRO	DIG COEF	%		60.	1
CELLULOSE (VAN SOEST)		%		24.4	1
FIBER, ACID DETERGENT (VS)		%		30.4	1
HEMICELLULOSE		%		29.8	1
LIGNIN KMNO4 (VS)		%		4.8	1

BROMUS SPP, BROME

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BROMUS SPP, AERIAL PART, FRESH, (2)					
REF NO 2-00-900					
DRY MATTER		%	34.0	100.0	2
ORGANIC MATTER		%	26.3	77.6	
ASH		%	7.6	22.4	1
CRUDE FIBER		%	6.9	20.3	2
ETHER EXTRACT		%	1.7	5.1	1
NITROGEN FREE EXTRACT		%	11.8	34.8	1
PROTEIN		%	5.9	17.4	2
CATTLE	DIG PROT	% *	4.3	12.7	
GOATS	DIG PROT	% *	4.3	12.8	
HORSES	DIG PROT	% *	4.2	12.3	
RABBITS	DIG PROT	% *	4.1	12.1	
SHEEP	DIG PROT	% *	4.5	13.2	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.64	1.88	
SHEEP	DE MCAL/KG	*	0.90	2.65	
CATTLE	ME MCAL/KG	*	0.52	1.54	
SHEEP	ME MCAL/KG	*	0.74	2.17	
CATTLE	NE-M MCAL/KG	*	0.32	0.93	
CATTLE	NE-GAIN MCAL/KG	*	-0.02	-0.05	
CATTLE	NE-LACTATION MCAL/KG	*	0.26	0.75	
CATTLE	TDN %	*	14.5	42.6	
SHEEP	TDN %	*	20.4	60.1	
CALCIUM		%	0.10	0.30	2
PHOSPHORUS		%	0.10	0.29	2
ACID INSOLUBLE ASH (SILICA)		%	2.43	7.14	1

BUCHLOE DACTYLOIDES, BUFFALOGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BUCHLOE DACTYLOIDES, AERIAL PART, FRESH, (2)					
REF NO 2-01-010					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		98.8	
ASH		%		1.2	1
CRUDE FIBER		%		26.6	1
ETHER EXTRACT		%		2.3	1
NITROGEN FREE EXTRACT		%		63.5	1
PROTEIN		%		6.4	1
CATTLE	DIG PROT	% *		3.3	
GOATS	DIG PROT	% *		2.5	
HORSES	DIG PROT	% *		3.0	
RABBITS	DIG PROT	% *		3.6	
SHEEP	DIG PROT	% *		3.0	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.17	
SHEEP	DE MCAL/KG	*		2.93	
CATTLE	ME MCAL/KG	*		2.60	
SHEEP	ME MCAL/KG	*		2.41	
CATTLE	NE-M MCAL/KG	*		1.60	
CATTLE	NE-GAIN MCAL/KG	*		1.03	
CATTLE	NE-LACTATION MCAL/KG	*		1.76	
CATTLE	TDN %	*		72.0	
SHEEP	TDN %	*		66.6	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
BUCHLOE DACTYLOIDES, AERIAL PART, FRESH, STEM CURED, CUT 1, (2)					
REF NO 2-13-631					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.0	
ASH		%		9.0	1
CRUDE FIBER		%		25.9	1
ETHER EXTRACT		%		3.6	1
NITROGEN FREE EXTRACT		%		54.3	1
PROTEIN		%		7.2	1
CATTLE	DIG PROT	% *		4.0	
GOATS	DIG PROT	% *		3.3	
HORSES	DIG PROT	% *		3.6	
RABBITS	DIG PROT	% *		4.2	
SHEEP	DIG PROT	% *		3.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.24	
SHEEP	DE MCAL/KG	*		2.71	
CATTLE	ME MCAL/KG	*		2.65	
SHEEP	ME MCAL/KG	*		2.22	
CATTLE	NE-M MCAL/KG	*		1.64	
CATTLE	NE-GAIN MCAL/KG	*		1.07	
CATTLE	NE-LACTATION MCAL/KG	*		1.81	
CATTLE	TDN %	*		73.4	
SHEEP	TDN %	*		61.5	

BULBOSTYLIS CAPILLARIS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BULBOSTYLIS CAPILLARIS CAPILLARIS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-971						
DRY MATTER		%	25.4	100.0		1
ORGANIC MATTER		%	22.9	90.0		1
ASH		%	3.0	11.9		1
CRUDE FIBER		%	9.3	36.8		1
ETHER EXTRACT		%	0.3	1.0		1
NITROGEN FREE EXTRACT		%	10.7	42.2		1
PROTEIN		%	2.1	8.1		1
CATTLE	DIG PROT	% *	1.2	4.8		
GOATS	DIG PROT	% *	1.0	4.1		
HORSES	DIG PROT	% *	1.1	4.4		
RABBITS	DIG PROT	% *	1.3	4.9		
SHEEP	DIG PROT	% *	1.2	4.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.56		
SHEEP	DE	MCAL/KG *	0.60	2.35		
CATTLE	ME	MCAL/KG *	0.53	2.10		
SHEEP	ME	MCAL/KG *	0.49	1.93		
CATTLE	NE-M	MCAL/KG *	0.31	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.28		
CATTLE	TDN	% *	14.7	58.0		
SHEEP	TDN	% *	13.6	53.4		
CALCIUM		%	0.04	0.14		1
PHOSPHORUS		%	0.02	0.09		1

BULBOSTYLIS JUNCIFORMIS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BULBOSTYLIS JUNCIFORMIS JUNCIFORMIS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-972						
DRY MATTER		%	23.0	100.0		1
ORGANIC MATTER		%	20.7	89.9		
ASH		%	2.3	10.1		1
CRUDE FIBER		%	7.1	31.0		1
ETHER EXTRACT		%	0.3	1.1		1
NITROGEN FREE EXTRACT		%	11.7	51.0		1
PROTEIN		%	1.6	6.8		1
CATTLE	DIG PROT	% *	0.8	3.7		
GOATS	DIG PROT	% *	0.7	2.9		
HORSES	DIG PROT	% *	0.8	3.3		
RABBITS	DIG PROT	% *	0.9	3.9		
SHEEP	DIG PROT	% *	0.8	3.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.58	2.51		
SHEEP	DE	MCAL/KG *	0.58	2.51		
CATTLE	ME	MCAL/KG *	0.47	2.06		
SHEEP	ME	MCAL/KG *	0.47	2.06		
CATTLE	NE-M	MCAL/KG *	0.28	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.25		
CATTLE	TDN	% *	13.1	57.0		
SHEEP	TDN	% *	13.1	56.9		
CALCIUM		%	0.04	0.17		1
PHOSPHORUS		%	0.01	0.05		1

BUMELIA LANUGINOSA, BUMELIA, WOOLLYBUCKET

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BUMELIA LANUGINOSA WOOLLYBUCKET, BROWSE, FRESH, (2)						
REF NO 2-11-304						
DRY MATTER		%	41.2	100.0		1
ORGANIC MATTER		%	36.5	88.6		
ASH		%	4.7	11.4		2
CRUDE FIBER		%	5.0	12.2		2
ETHER EXTRACT		%	4.4	10.7		2
NITROGEN FREE EXTRACT		%	20.3	49.4		2
PROTEIN		%	6.8	16.5		2
CATTLE	DIG PROT	% *	4.9	11.9		
GOATS	DIG PROT	% *	4.9	11.9		
HORSES	DIG PROT	% *	4.7	11.5		
RABBITS	DIG PROT	% *	4.7	11.4		
SHEEP	DIG PROT	% *	5.1	12.3		

BUMELIA SPINIFLORA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BUMELIA SPINIFLORA SPINIFLORA, BROWSE, FRESH, (2)						
REF NO 2-13-630						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		84.8		
ASH		%		15.3		2
CRUDE FIBER		%		23.1		2
ETHER EXTRACT		%		5.0		2
NITROGEN FREE EXTRACT		%		40.9		2
PROTEIN		%		15.8		2
CATTLE	DIG PROT	% *		11.3		
GOATS	DIG PROT	% *		11.3		
HORSES	DIG PROT	% *		10.9		
RABBITS	DIG PROT	% *		10.9		
SHEEP	DIG PROT	% *		11.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.84		
SHEEP	DE	MCAL/KG *		2.77		
CATTLE	ME	MCAL/KG *		2.33		
SHEEP	ME	MCAL/KG *		2.27		
CATTLE	NE-M	MCAL/KG *		1.40		
CATTLE	NE-GAIN	MCAL/KG *		0.81		
CATTLE	NE-LACTATION	MCAL/KG *		1.51		
CATTLE	TDN	% *		64.5		
SHEEP	TDN	% *		62.8		

BUTIA CAPITATA, BUTIAPALM, BRAZILIAN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BUTIA CAPITATA BRAZILIAN, MEATS, GRND, HIGH FAT, (4)						
REF NO 4-11-865						
DRY MATTER		%	93.5	100.0		1
ORGANIC MATTER		%	89.7	97.0		1
ASH		%	2.8	3.0		1
CRUDE FIBER		%	14.7	15.7		1
ETHER EXTRACT		%	19.5	20.9		1
NITROGEN FREE EXTRACT		%	41.7	44.6		1
PROTEIN		%	14.8	15.8		1
CATTLE	DIG PROT	% *	9.9	10.6		
GOATS	DIG PROT	% *	11.0	11.7		
HORSES	DIG PROT	% *	11.0	11.7		
SHEEP	DIG PROT	% *	11.0	11.7		
ENERGY	GE	KCAL/KG				
SWINE	DE	KCAL/KG *	3596.	3846.		
SWINE	ME	KCAL/KG *	3337.	3569.		
SWINE	TDN	% *	81.6	87.2		
CALCIUM		%	0.13	0.14		1
PHOSPHORUS		%	0.18	0.19		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BUTIA CAPITATA BRAZILIAN, MEATS, SOLV EXTD GRND, (4)						
REF NO 4-11-866						
DRY MATTER		%	90.0	100.0		1
ORGANIC MATTER		%	84.8	94.2		1
ASH		%	5.2	5.8		1
CRUDE FIBER		%	10.3	11.4		1
ETHER EXTRACT		%	3.5	3.9		1
NITROGEN FREE EXTRACT		%	50.1	55.7		1
PROTEIN		%	20.9	23.2		1
CATTLE	DIG PROT	% *	15.6	17.3		
GOATS	DIG PROT	% *	16.6	18.5		
HORSES	DIG PROT	% *	16.6	18.5		
SHEEP	DIG PROT	% *	16.6	18.5		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.91	3.23		
SHEEP	ME	MCAL/KG *	2.38	2.65		
SHEEP	TDN	% *	66.0	73.3		
CALCIUM		%	0.14	0.15		1
PHOSPHORUS		%	0.27	0.30		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
BUTTERMILK, DRIED =SEE BOS SPP, BUTTERMILK, DEHY, FEED GR MX 8% MOISTURE MX 13% ASH MN 5% FAT, (5)						

CAESALPINIA CORIARIA, DIVIDIVI

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CAESALPINIA CORIARIA, LEAVES, S-C, (1)					
REF NO 1-11-760					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		96.7	
ASH		%		3.3	2
CRUDE FIBER		%		16.4	2
ETHER EXTRACT		%		1.0	2
NITROGEN FREE EXTRACT		%		68.7	2
PROTEIN		%		10.7	2
CATTLE	DIG PROT	% *		6.2	
GOATS	DIG PROT	% *		6.5	
HORSES	DIG PROT	% *		6.6	
RABBITS	DIG PROT	% *		6.9	
SHEEP	DIG PROT	% *		6.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.41	
SHEEP	DE	MCAL/KG *		2.68	
CATTLE	ME	MCAL/KG *		1.98	
SHEEP	ME	MCAL/KG *		2.19	
CATTLE	NE-M	MCAL/KG *		1.16	
CATTLE	NE-GAIN	MCAL/KG *		0.46	
CATTLE	NE-LACTATION	MCAL/KG *		1.17	
CATTLE	TDN	% *		54.6	
SHEEP	TDN	% *		60.7	
CAESALPINIA CORIARIA, FRUIT, DEHY, (4)					
REF NO 4-11-759					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		98.0	
ASH		%		2.0	1
CRUDE FIBER		%		6.5	1
ETHER EXTRACT		%		0.4	1
NITROGEN FREE EXTRACT		%		86.7	1
PROTEIN		%		4.4	1
CATTLE	DIG PROT	% *		0.1	
GOATS	DIG PROT	% *		1.3	
HORSES	DIG PROT	% *		1.3	
SHEEP	DIG PROT	% *		1.3	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		3.75	
SWINE	DE	KCAL/KG *		4035.	
SHEEP	ME	MCAL/KG *		3.08	
SWINE	ME	KCAL/KG *		3838.	
SHEEP	TDN	% *		85.2	
SWINE	TDN	% *		91.5	
CAESALPINIA FERREA					
CAESALPINIA FERREA FERREA, BROWSE, FRESH, FULL BLOOM, (2)					
REF NO 2-13-273					
DRY MATTER		%	38.9	100.0	1
ORGANIC MATTER		%	37.2	95.7	
ASH		%	1.7	4.3	1
CRUDE FIBER		%	9.8	25.2	1
ETHER EXTRACT		%	2.4	6.1	1
NITROGEN FREE EXTRACT		%	19.1	49.1	1
PROTEIN		%	6.0	15.3	1
CATTLE	DIG PROT	% *	4.2	10.9	
GOATS	DIG PROT	% *	4.2	10.8	
HORSES	DIG PROT	% *	4.1	10.5	
RABBITS	DIG PROT	% *	4.1	10.5	
SHEEP	DIG PROT	% *	4.4	11.2	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	1.17	3.00	
SHEEP	ME	MCAL/KG *	0.96	2.46	
SHEEP	TDN	% *	26.5	68.1	
CAESALPINIA FERREA FERREA, SEEDS W PODS, (4)					
REF NO 4-13-264					
DRY MATTER		%	84.2	100.0	1
ORGANIC MATTER		%	79.7	94.6	
ASH		%	4.5	5.4	1
CRUDE FIBER		%	7.7	9.2	1
ETHER EXTRACT		%	0.5	0.6	1
NITROGEN FREE EXTRACT		%	66.3	78.7	1
PROTEIN		%	5.1	6.1	1
CATTLE	DIG PROT	% *	1.4	1.6	
GOATS	DIG PROT	% *	2.4	2.8	
HORSES	DIG PROT	% *	2.4	2.8	
SHEEP	DIG PROT	% *	2.4	2.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.55	3.03	
SHEEP	DE	MCAL/KG *	3.01	3.57	
SWINE	DE	KCAL/KG *	3102.	3684.	
CATTLE	ME	MCAL/KG *	2.10	2.49	
SHEEP	ME	MCAL/KG *	2.47	2.93	
SWINE	ME	KCAL/KG *	2940.	3491.	
CATTLE	NE-M	MCAL/KG *	1.27	1.51	
CATTLE	NE-GAIN	MCAL/KG *	0.79	0.94	
CATTLE	NE-LACTATION	MCAL/KG *	1.39	1.65	
CATTLE	TDN	% *	57.9	68.8	
SHEEP	TDN	% *	68.2	81.0	
SWINE	TDN	% *	70.4	83.6	
CAESALPINIA GARDNERIANA					
CAESALPINIA GARDNERIANA GARDNERIANA, AERIAL PART, FRESH, (2)					
REF NO 2-11-761					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		92.6	
ASH		%		7.4	1
CRUDE FIBER		%		34.0	1
ETHER EXTRACT		%		5.2	1
NITROGEN FREE EXTRACT		%		39.0	1
PROTEIN		%		14.4	1
CATTLE	DIG PROT	% *		10.1	
GOATS	DIG PROT	% *		10.0	
HORSES	DIG PROT	% *		9.7	
RABBITS	DIG PROT	% *		9.8	
SHEEP	DIG PROT	% *		10.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.82	
SHEEP	DE	MCAL/KG *		2.79	
CATTLE	ME	MCAL/KG *		2.31	
SHEEP	ME	MCAL/KG *		2.29	
CATTLE	NE-M	MCAL/KG *		1.38	
CATTLE	NE-GAIN	MCAL/KG *		0.79	
CATTLE	NE-LACTATION	MCAL/KG *		1.49	
CATTLE	TDN	% *		64.0	
SHEEP	TDN	% *		63.3	
CAESALPINIA GARDNERIANA GARDNERIANA, PODS, FRESH, (2)					
REF NO 2-11-762					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.7	
ASH		%		6.3	1
CRUDE FIBER		%		35.3	1
ETHER EXTRACT		%		2.7	1
NITROGEN FREE EXTRACT		%		49.9	1
PROTEIN		%		5.7	1
CATTLE	DIG PROT	% *		2.8	
GOATS	DIG PROT	% *		1.9	
HORSES	DIG PROT	% *		2.4	
RABBITS	DIG PROT	% *		3.1	
SHEEP	DIG PROT	% *		2.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.28	
SHEEP	DE	MCAL/KG *		2.53	
CATTLE	ME	MCAL/KG *		1.87	
SHEEP	ME	MCAL/KG *		2.08	
CATTLE	NE-M	MCAL/KG *		1.10	
CATTLE	NE-GAIN	MCAL/KG *		0.34	
CATTLE	NE-LACTATION	MCAL/KG *		1.06	
CATTLE	TDN	% *		51.6	
SHEEP	TDN	% *		57.5	
CAESALPINIA MEXICANA, CAESALPINIA, MEXICAN					
CAESALPINIA MEXICANA MEXICAN, LEAVES, FRESH, (2)					
REF NO 2-13-626					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.7	
ASH		%		9.4	2
CRUDE FIBER		%		15.7	2
ETHER EXTRACT		%		6.4	2
NITROGEN FREE EXTRACT		%		63.8	2
PROTEIN		%		4.9	2
CATTLE	DIG PROT	% *		2.0	
GOATS	DIG PROT	% *		1.1	
HORSES	DIG PROT	% *		1.6	
RABBITS	DIG PROT	% *		2.4	
SHEEP	DIG PROT	% *		1.5	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		2.69	
SHEEP	ME	MCAL/KG *		2.21	
SHEEP	TDN	% *		61.1	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CAESALPINIA MEXICANA MEXICAN, PODS W SEEDS, FRESH, MILK STAGE, (2)					
REF NO 2-13-633					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.3		
ASH	%		9.7		1
CRUDE FIBER	%		39.1		1
ETHER EXTRACT	%		3.8		1
NITROGEN FREE EXTRACT	%		46.4		1
PROTEIN	%		1.0		1
CATTLE DIG PROT	% *		-1.3		
GOATS DIG PROT	% *		-2.5		
HORSES DIG PROT	% *		-1.6		
RABBITS DIG PROT	% *		-0.6		
SHEEP DIG PROT	% *		-2.1		
CAESALPINIA MEXICANA MEXICAN, SEEDS, (4)					
REF NO 4-13-632					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.4		
ASH	%		9.6		1
CRUDE FIBER	%		9.5		1
ETHER EXTRACT	%		17.7		1
NITROGEN FREE EXTRACT	%		45.0		1
PROTEIN	%		18.2		1
CATTLE DIG PROT	% *		12.7		
GOATS DIG PROT	% *		13.9		
HORSES DIG PROT	% *		13.9		
SHEEP DIG PROT	% *		13.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		3.78		
SWINE DE	KCAL/KG *		4032.		
CATTLE ME	MCAL/KG *		3.10		
SWINE ME	KCAL/KG *		3723.		
CATTLE NE-M	MCAL/KG *		2.07		
CATTLE NE-GAIN	MCAL/KG *		1.37		
CATTLE NE-LACTATION	MCAL/KG *		2.24		
CATTLE TDN	% *		85.8		
SWINE TDN	% *		91.5		

CAJANUS CAJAN, PIGEONPEA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CAJANUS CAJAN, AERIAL PART, DEHY, (1)					
REF NO 1-11-766					
DRY MATTER	%	85.8	100.0		1
ORGANIC MATTER	%	82.6	96.3		1
ASH	%	3.2	3.7		1
CRUDE FIBER	%	18.7	21.8		1
ETHER EXTRACT	%	2.1	2.4		1
NITROGEN FREE EXTRACT	%	51.6	60.1		1
PROTEIN	%	10.2	11.9		1
CATTLE DIG PROT	% *	6.2	7.2		
GOATS DIG PROT	% *	6.6	7.7		
HORSES DIG PROT	% *	6.5	7.6		
RABBITS DIG PROT	% *	6.7	7.8		
SHEEP DIG PROT	% *	6.2	7.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.41	2.81		
HORSES DE	MCAL/KG *	1.56	1.82		
SHEEP DE	MCAL/KG *	2.36	2.75		
CATTLE ME	MCAL/KG *	1.98	2.30		
HORSES ME	MCAL/KG *	1.28	1.50		
SHEEP ME	MCAL/KG *	1.94	2.26		
CATTLE NE-M	MCAL/KG *	1.18	1.38		
CATTLE NE-GAIN	MCAL/KG *	0.67	0.78		
CATTLE NE-LACTATION	MCAL/KG *	1.27	1.48		
CATTLE TDN	% *	54.7	63.7		
HORSES TDN	% *	38.8	45.3		
SHEEP TDN	% *	53.5	62.4		
CAJANUS CAJAN, AERIAL PART, DEHY GRND, (1)					
REF NO 1-11-771					
DRY MATTER	%	90.7	100.0		1
ORGANIC MATTER	%	85.5	94.3		
ASH	%	5.2	5.7		1
CRUDE FIBER	%	31.1	34.3		1
ETHER EXTRACT	%	4.4	4.9		1
NITROGEN FREE EXTRACT	%	33.7	37.2		1
PROTEIN	%	16.3	18.0		1
CATTLE DIG PROT	% *	11.3	12.5		
GOATS DIG PROT	% *	12.1	13.3		
HORSES DIG PROT	% *	11.6	12.8		
RABBITS DIG PROT	% *	11.4	12.5		
SHEEP DIG PROT	% *	11.5	12.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.11	2.32		
SHEEP DE	MCAL/KG *	2.26	2.50		
CATTLE ME	MCAL/KG *	1.73	1.91		
SHEEP ME	MCAL/KG *	1.86	2.05		
CATTLE NE-M	MCAL/KG *	1.02	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.35	0.39		
CATTLE NE-LACTATION	MCAL/KG *	1.00	1.10		
CATTLE TDN	% *	47.8	52.7		
SHEEP TDN	% *	51.3	56.6		
CALCIUM	%	0.78	0.86		1
IRON	%	0.038	0.042		1
PHOSPHORUS	%	0.25	0.28		1
CAJANUS CAJAN, HAY, S-C, (1)					
REF NO 1-09-743					
DRY MATTER	%	89.6	100.0		3
ORGANIC MATTER	%	86.9	97.0	57	1
ASH	%	7.5	8.4	57	5
CRUDE FIBER	%	27.2	30.4	15	5
ETHER EXTRACT	%	3.1	3.5	33	5
NITROGEN FREE EXTRACT	%	37.4	41.8	20	5
PROTEIN	%	14.3	16.0	39	5
CATTLE DIG PROT	% *	9.7	10.8		
GOATS DIG PROT	% *	10.3	11.5		
HORSES DIG PROT	% *	9.9	11.1		
RABBITS DIG PROT	% *	9.9	11.0		
SHEEP DIG PROT	% *	9.8	10.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.28	2.54		
HORSES DE	MCAL/KG *	1.66	1.86		
SHEEP DE	MCAL/KG *	2.25	2.51		
CATTLE ME	MCAL/KG *	1.87	2.08		
HORSES ME	MCAL/KG *	1.36	1.52		
SHEEP ME	MCAL/KG *	1.84	2.06		
CATTLE NE-M	MCAL/KG *	1.10	1.23		
CATTLE NE-GAIN	MCAL/KG *	0.51	0.57		
CATTLE NE-LACTATION	MCAL/KG *	1.18	1.27		
CATTLE TDN	% *	51.6	57.6		
HORSES TDN	% *	41.3	46.1		
SHEEP TDN	% *	50.9	56.9		
CALCIUM	%	0.55	0.61		1
PHOSPHORUS	%	0.16	0.18		1
CAJANUS CAJAN, HAY, S-C GRND, (1)					
REF NO 1-09-731					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.8		
ASH	%		4.2	5	4
CRUDE FIBER	%		36.1	14	4
ETHER EXTRACT	%		3.0	7	4
NITROGEN FREE EXTRACT	%		45.0	10	4
PROTEIN	%		11.7	20	4
CATTLE DIG PROT	% *		7.0		
GOATS DIG PROT	% *		7.4		
HORSES DIG PROT	% *		7.4		
RABBITS DIG PROT	% *		7.7		
SHEEP DIG PROT	% *		7.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.54		
HORSES DE	MCAL/KG *		1.87		
SHEEP DE	MCAL/KG *		2.46		
CATTLE ME	MCAL/KG *		2.08		
HORSES ME	MCAL/KG *		1.54		
SHEEP ME	MCAL/KG *		2.02		
CATTLE NE-M	MCAL/KG *		1.23		
CATTLE NE-GAIN	MCAL/KG *		0.57		
CATTLE NE-LACTATION	MCAL/KG *		1.27		
CATTLE TDN	% *		57.5		
HORSES TDN	% *		46.6		
SHEEP TDN	% *		55.8		
CAJANUS CAJAN, HULLS, (1)					
REF NO 1-10-481					
DRY MATTER	%	91.2	100.0		1
ORGANIC MATTER	%	88.3	96.8		
ASH	%	2.9	3.2		1
CRUDE FIBER	%	35.1	38.5		1
ETHER EXTRACT	%	0.5	0.5		1
NITROGEN FREE EXTRACT	%	43.9	46.1		1
PROTEIN	%	8.8	9.7		1
CATTLE DIG PROT	% *	4.9	5.3		
GOATS DIG PROT	% *	5.1	5.6		
HORSES DIG PROT	% *	5.3	5.8		
RABBITS DIG PROT	% *	5.6	6.2		
SHEEP DIG PROT	% *	4.8	5.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.16	2.36		
SHEEP DE	MCAL/KG *	2.18	2.39		
CATTLE ME	MCAL/KG *	1.77	1.94		
SHEEP ME	MCAL/KG *	1.79	1.96		
CATTLE NE-M	MCAL/KG *	1.04	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.39	0.42		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *	1.03	1.13		
CATTLE		TDN % *	48.9	53.6		
SHEEP		TDN % *	49.5	54.3		

CAJANUS CAJAN, LEAVES, DEHY GRND, (1)

REF NO 1-11-433

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.0	100.0		2
ORGANIC MATTER		%	82.1	93.3		2
ASH		%	5.9	6.7		2
CRUDE FIBER		%	27.8	31.6		2
ETHER EXTRACT		%	4.0	4.5		2
NITROGEN FREE EXTRACT		%	33.1	37.6		2
PROTEIN		%	17.2	19.6		2
CATTLE	DIG PROT	% *	12.2	13.9		
GOATS	DIG PROT	% *	13.0	14.8		
HORSES	DIG PROT	% *	12.4	14.1		
RABBITS	DIG PROT	% *	12.1	13.8		
SHEEP	DIG PROT	% *	12.4	14.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.16	2.45		
SHEEP	DE	MCAL/KG *	2.26	2.57		
CATTLE	ME	MCAL/KG *	1.77	2.01		
SHEEP	ME	MCAL/KG *	1.86	2.11		
CATTLE	NE-M	MCAL/KG *	1.04	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.44	0.50		
CATTLE	NE-LACTATION	MCAL/KG *	1.06	1.20		
CATTLE		TDN % *	49.0	55.7		
SHEEP		TDN % *	51.3	58.3		

CAJANUS CAJAN, LEAVES, S-C GRND, (1)

REF NO 1-11-772

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.7	100.0		2
ORGANIC MATTER		%	81.4	92.9		2
ASH		%	6.3	7.1		2
CRUDE FIBER		%	25.8	29.4		2
ETHER EXTRACT		%	3.5	4.0		2
NITROGEN FREE EXTRACT		%	25.2	28.7		2
PROTEIN		%	27.0	30.7		2
CATTLE	DIG PROT	% *	20.7	23.6		
GOATS	DIG PROT	% *	22.1	25.2		
HORSES	DIG PROT	% *	20.7	23.6		
RABBITS	DIG PROT	% *	19.6	22.4		
SHEEP	DIG PROT	% *	21.2	24.1		

CAJANUS CAJAN, POWS, POST RIPE, (1)

REF NO 1-10-467

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.2		
ASH		%		3.8		1
CRUDE FIBER		%		35.3		1
ETHER EXTRACT		%		0.3		1
NITROGEN FREE EXTRACT		%		54.4		1
PROTEIN		%		6.2		1
CATTLE	DIG PROT	% *		2.3		
GOATS	DIG PROT	% *		2.3		
HORSES	DIG PROT	% *		2.8		
RABBITS	DIG PROT	% *		3.5		
SHEEP	DIG PROT	% *		2.1		

CAJANUS CAJAN, AERIAL PART, FRESH, (2)

REF NO 2-03-715

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.4	100.0		3
ORGANIC MATTER		%	25.6	93.5	25	3
ASH		%	1.6	5.8	25	4
CRUDE FIBER		%	10.6	38.5	17	4
ETHER EXTRACT		%	1.5	5.6	34	4
NITROGEN FREE EXTRACT		%	8.9	32.6	1	4
PROTEIN		%	4.8	17.4	23	4
CATTLE	DIG PROT	% *	3.5	12.7		
GOATS	DIG PROT	% *	3.5	12.8		
HORSES	DIG PROT	% *	3.4	12.3		
RABBITS	DIG PROT	% *	3.3	12.1		
SHEEP	DIG PROT	% *	3.6	13.2		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.82	2.99		
SHEEP	ME	MCAL/KG *	0.67	2.45		
SHEEP		TDN % *	18.6	67.8		
CALCIUM		%	0.23	0.84		1
IRON		%	0.011	0.041		1
PHOSPHORUS		%	0.07	0.27		1

CAJANUS CAJAN, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-03-713

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.8	100.0		2
ORGANIC MATTER		%	25.5	91.7		2
ASH		%	2.3	8.1		2
CRUDE FIBER		%	8.9	31.9		2
ETHER EXTRACT		%	1.3	4.6		2
NITROGEN FREE EXTRACT		%	9.1	32.6		2
PROTEIN		%	6.4	22.9		2
CATTLE	DIG PROT	% *	4.8	17.3		
GOATS	DIG PROT	% *	5.0	17.9		
HORSES	DIG PROT	% *	4.7	16.9		
RABBITS	DIG PROT	% *	4.5	16.3		
SHEEP	DIG PROT	% *	5.1	18.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.84	3.03		
SHEEP	ME	MCAL/KG *	0.69	2.48		
SHEEP		TDN % *	19.1	68.7		
CALCIUM		%	0.26	0.93		2
PHOSPHORUS		%	0.09	0.33		2

CAJANUS CAJAN, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-913

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	36.5	100.0		1
ORGANIC MATTER		%	34.1	93.4		1
ASH		%	2.4	6.6		1
CRUDE FIBER		%	10.8	29.5		1
ETHER EXTRACT		%	1.2	3.4		1
NITROGEN FREE EXTRACT		%	14.0	38.3		1
PROTEIN		%	8.1	22.2		1
CATTLE	DIG PROT	% *	6.1	16.8		
GOATS	DIG PROT	% *	6.3	17.3		
HORSES	DIG PROT	% *	6.0	16.4		
RABBITS	DIG PROT	% *	5.6	15.8		
SHEEP	DIG PROT	% *	6.5	17.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.06	2.91		
SHEEP	DE	MCAL/KG *	1.07	2.93		
CATTLE	ME	MCAL/KG *	0.87	2.39		
SHEEP	ME	MCAL/KG *	0.88	2.40		
CATTLE	NE-M	MCAL/KG *	0.52	1.43		
CATTLE	NE-GAIN	MCAL/KG *	0.31	0.85		
CATTLE	NE-LACTATION	MCAL/KG *	0.57	1.56		
CATTLE		TDN % *	24.1	66.0		
SHEEP		TDN % *	24.3	66.5		
CALCIUM		%	0.36	0.98		1
PHOSPHORUS		%	0.05	0.14		1

CAJANUS CAJAN, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-13-914

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.3	100.0		1
ORGANIC MATTER		%	24.7	94.0		1
ASH		%	1.6	6.0		1
CRUDE FIBER		%	9.8	37.4		1
ETHER EXTRACT		%	1.0	3.9		1
NITROGEN FREE EXTRACT		%	9.1	34.5		1
PROTEIN		%	4.8	18.2		1
CATTLE	DIG PROT	% *	3.5	13.4		
GOATS	DIG PROT	% *	3.6	13.5		
HORSES	DIG PROT	% *	3.4	13.0		
RABBITS	DIG PROT	% *	3.3	12.7		
SHEEP	DIG PROT	% *	3.7	14.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.66	2.52		
SHEEP	DE	MCAL/KG *	0.75	2.86		
CATTLE	ME	MCAL/KG *	0.54	2.07		
SHEEP	ME	MCAL/KG *	0.62	2.34		
CATTLE	NE-M	MCAL/KG *	0.32	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.25		
CATTLE		TDN % *	15.0	57.2		
SHEEP		TDN % *	17.1	64.8		
CALCIUM		%	0.26	0.98		1
PHOSPHORUS		%	0.04	0.17		1

CAJANUS CAJAN, LEAVES, FRESH, (2)

REF NO 2-09-751

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.9		
ASH		%		6.1		1
CRUDE FIBER		%		22.0		1
ETHER EXTRACT		%		9.6		1
NITROGEN FREE EXTRACT		%		35.0		1
PROTEIN		%		27.3		1
CATTLE	DIG PROT	% *		20.6		
GOATS	DIG PROT	% *		22.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *		20.7		
RABBITS	DIG PROT % *		19.8		
SHEEP	DIG PROT % *		21.1		

CAJANUS CAJAN, AERIAL PART, ENSILED, (3)

REF NO 3-11-768

DRY MATTER	%	37.9	100.0		1
ORGANIC MATTER	%	36.3	95.7		1
ASH	%	1.6	4.3		1
CRUDE FIBER	%	18.6	49.0		1
ETHER EXTRACT	%	1.6	4.1		1
NITROGEN FREE EXTRACT	%	10.6	27.9		1
PROTEIN	%	5.6	14.7		1
CATTLE	DIG PROT % *	3.6	9.5		
GOATS	DIG PROT % *	3.6	9.5		
HORSES	DIG PROT % *	3.6	9.5		
SHEEP	DIG PROT % *	3.6	9.5		

CAJANUS CAJAN, AERIAL PART W 7.5% CORN GRAIN GRND ADDED, ENSILED, (3)

REF NO 3-13-260

DRY MATTER	%	36.2	100.0		1
ORGANIC MATTER	%	34.4	94.9		1
ASH	%	1.8	5.1		1
CRUDE FIBER	%	13.5	37.2		1
ETHER EXTRACT	%	1.8	4.9		1
NITROGEN FREE EXTRACT	%	13.3	36.9		1
PROTEIN	%	5.8	16.0		1
CATTLE	DIG PROT % *	3.9	10.8		
GOATS	DIG PROT % *	3.9	10.8		
HORSES	DIG PROT % *	3.9	10.8		
SHEEP	DIG PROT % *	3.9	10.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.99	2.72		
SHEEP	DE MCAL/KG *	0.98	2.71		
CATTLE	ME MCAL/KG *	0.81	2.23		
SHEEP	ME MCAL/KG *	0.80	2.22		
CATTLE	NE-M MCAL/KG *	0.48	1.33		
CATTLE	NE-GAIN MCAL/KG *	0.26	0.72		
CATTLE	NE-LACTATION MCAL/KG *	0.51	1.41		
CATTLE	TDN % *	22.4	61.8		
SHEEP	TDN % *	22.2	61.4		

CAJANUS CAJAN, AERIAL PART W 3% MOLASSES ADDED, ENSILED, (3)

REF NO 3-13-259

DRY MATTER	%	40.5	100.0		1
ORGANIC MATTER	%	38.4	94.8		1
ASH	%	2.1	5.2		1
CRUDE FIBER	%	17.0	42.1		1
ETHER EXTRACT	%	2.2	5.4		1
NITROGEN FREE EXTRACT	%	12.6	31.0		1
PROTEIN	%	6.6	16.3		1
CATTLE	DIG PROT % *	4.5	11.0		
GOATS	DIG PROT % *	4.5	11.0		
HORSES	DIG PROT % *	4.5	11.0		
SHEEP	DIG PROT % *	4.5	11.0		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	1.06	2.61		
SHEEP	ME MCAL/KG *	0.87	2.14		
SHEEP	TDN % *	24.0	59.1		

CAJANUS CAJAN, BRAN, (5)

REF NO 5-11-770

DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.2		
ASH	%		4.8		1
CRUDE FIBER	%		6.0		1
ETHER EXTRACT	%		2.8		1
NITROGEN FREE EXTRACT	%		56.3		1
PROTEIN	%		30.2		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		4.09		
SHEEP	DE MCAL/KG *		3.80		
CATTLE	ME MCAL/KG *		3.35		
SHEEP	ME MCAL/KG *		3.11		
CATTLE	NE-M MCAL/KG *		2.35		
CATTLE	NE-GAIN MCAL/KG *		1.51		
CATTLE	NE-LACTATION MCAL/KG *		2.48		
CATTLE	TDN % *		92.7		
SHEEP	TDN % *		86.1		
CALCIUM	%		0.03		1
MAGNESIUM	%		0.31		1
PHOSPHORUS	%		0.76		1
POTASSIUM	%		2.33		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CAJANUS CAJAN, SEEDS, (5)					
REF NO 5-03-716					
DRY MATTER	%	88.0	100.0		3
ORGANIC MATTER	%	83.9	95.3	12	2
ASH	%	4.1	4.7	12	7
CRUDE FIBER	%	8.4	9.5	11	7
ETHER EXTRACT	%	1.5	1.7	22	7
NITROGEN FREE EXTRACT	%	53.7	61.0	5	7
PROTEIN	%	20.3	23.1	11	6
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.40	3.87		
SHEEP	DE MCAL/KG *	3.17	3.60		
CATTLE	ME MCAL/KG *	2.79	3.17		
SHEEP	ME MCAL/KG *	2.60	2.95		
CATTLE	NE-M MCAL/KG *	1.88	2.14		
CATTLE	NE-GAIN MCAL/KG *	1.24	1.41		
CATTLE	NE-LACTATION MCAL/KG *	2.03	2.30		
CATTLE	TDN % *	77.2	87.7		
SHEEP	TDN % *	71.9	81.7		
CALCIUM	%	0.13	0.15		1
IRON	%	0.007	0.008		1
PHOSPHORUS	%	0.84	0.96		2
NIACIN	MG/KG	24.0	27.3		1

CAJANUS CAJAN, SEEDS, SOLV EXTD GRND, (5)

REF NO 5-11-774

DRY MATTER	%	86.8	100.0		1
ORGANIC MATTER	%	83.4	96.1		1
ASH	%	3.4	3.9		1
CRUDE FIBER	%	7.8	9.0		1
ETHER EXTRACT	%	1.0	1.2		1
NITROGEN FREE EXTRACT	%	54.4	62.7		1
PROTEIN	%	20.2	23.3		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	3.17	3.65		
SHEEP	ME MCAL/KG *	2.60	2.99		
SHEEP	TDN % *	71.9	82.8		

CAJANUS CAJAN, SEEDS, POST RIPE, (5)

REF NO 5-10-480

DRY MATTER	%	89.0	100.0		2
ORGANIC MATTER	%	85.8	96.5		
ASH	%	3.2	3.6		2
CRUDE FIBER	%	6.9	7.8		2
ETHER EXTRACT	%	4.8	5.5		2
NITROGEN FREE EXTRACT	%	58.1	65.4		2
PROTEIN	%	15.9	17.9		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.48	3.91		
SHEEP	DE MCAL/KG *	3.53	3.96		
CATTLE	ME MCAL/KG *	2.85	3.21		
SHEEP	ME MCAL/KG *	2.89	3.25		
CATTLE	NE-M MCAL/KG *	1.94	2.18		
CATTLE	NE-GAIN MCAL/KG *	1.27	1.43		
CATTLE	NE-LACTATION MCAL/KG *	2.08	2.34		
CATTLE	TDN % *	78.9	88.7		
SHEEP	TDN % *	80.0	89.9		

CALAMAGROSTIS ANTONIANA, REEDGRASS, ANTONIANA

CALAMAGROSTIS ANTONIANA ANTONIANA, AERIAL PART, FRESH, (2)

REF NO 2-10-926

DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.8		
ASH	%		6.2	43	20
CRUDE FIBER	%		33.6		3
PROTEIN	%		6.2	25	20
CATTLE	DIG PROT % *		3.2		
GOATS	DIG PROT % *		2.4		
HORSES	DIG PROT % *		2.8		
RABBITS	DIG PROT % *		3.5		
SHEEP	DIG PROT % *		2.8		
CALCIUM	%		0.38	49	20
COBALT	MG/KG		0.090	98	20
COPPER	MG/KG		2.7	28	19
MANGANESE	MG/KG		100.7	56	20
MOLYBDENUM	MG/KG		0.12	71	18
PHOSPHORUS	%		0.11	57	20

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALAMAGROSTIS ANTUNIANA ANTUNIANA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-927						
DRY.MATTER		%		100.0		
ORGANIC MATTER		%		90.8		
ASH		%		9.2	32	6
CRUDE FIBER		%		32.1	6	6
ETHER EXTRACT		%		2.0	18	6
NITROGEN FREE EXTRACT		%		52.3	7	6
PROTEIN		%		4.6	12	6
CATTLE	DIG PROT	% *		1.8		
GOATS	DIG PROT	% *		0.8		
HORSES	DIG PROT	% *		1.4		
RABBITS	DIG PROT	% *		2.2		
SHEEP	DIG PROT	% *		1.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.34		
SHEEP	DE	MCAL/KG *		2.52		
CATTLE	ME	MCAL/KG *		1.92		
SHEEP	ME	MCAL/KG *		2.06		
CATTLE	NE-M	MCAL/KG *		1.13		
CATTLE	NE-GAIN	MCAL/KG *		0.40		
CATTLE	NE-LACTATION	MCAL/KG *		1.11		
CATTLE	TDN	% *		53.0		
SHEEP	TDN	% *		57.1		
CALCIUM		%		0.64	57	5
COBALT		MG/KG		0.208	32	6
COPPER		MG/KG		3.3	14	6
MANGANESE		MG/KG		86.3	70	6
MOLYBDENUM		MG/KG		0.58	98	6
PHOSPHORUS		%		0.07	29	6
CALAMAGROSTIS BREVIFOLIA, REEDGRASS, BREVIFOLIA						
CALAMAGROSTIS BREVIFOLIA BREVIFOLIA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-11-815						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		62.		1
PROTEIN		%		7.4		1
CATTLE	DIG PROT	% *		4.2		
GOATS	DIG PROT	% *		3.5		
HORSES	DIG PROT	% *		3.8		
RABBITS	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		3.9		
CELL WALLS (VAN SOEST)		%		73.7		1
CELL WALLS IN VITRO	DIG COEF	%		48.		1
CELLULOSE (VAN SOEST)		%		29.9		1
FIBER, ACID DETERGENT (VS)		%		36.9		1
HEMICELLULOSE		%		36.8		1
LIGNIN KMNO4 (VS)		%		5.3		1
CALAMAGROSTIS BREVIFOLIA BREVIFOLIA, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)						
REF NO 2-11-816						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		64.		1
PROTEIN		%		10.0		1
CATTLE	DIG PROT	% *		6.4		
GOATS	DIG PROT	% *		5.9		
HORSES	DIG PROT	% *		6.0		
RABBITS	DIG PROT	% *		6.4		
SHEEP	DIG PROT	% *		6.3		
CELL WALLS (VAN SOEST)		%		68.0		1
CELL WALLS IN VITRO	DIG COEF	%		46.		1
CELLULOSE (VAN SOEST)		%		28.1		1
FIBER, ACID DETERGENT (VS)		%		33.0		1
HEMICELLULOSE		%		35.0		1
LIGNIN KMNO4 (VS)		%		4.5		1
CALAMAGROSTIS ENVIRENS, REEDGRASS, ENVIRENS						
CALAMAGROSTIS ENVIRENS ENVIRENS, AERIAL PART, FRESH, (2)						
REF NO 2-10-939						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.0		
ASH		%		7.0		2
PROTEIN		%		5.0		2
CATTLE	DIG PROT	% *		2.2		
GOATS	DIG PROT	% *		1.3		
HORSES	DIG PROT	% *		1.8		
RABBITS	DIG PROT	% *		2.6		
SHEEP	DIG PROT	% *		1.7		
CALCIUM		%		0.73		2
COBALT		MG/KG		0.147		2
COPPER		MG/KG		1.6		2
MANGANESE		MG/KG		113.4		2
MOLYBDENUM		MG/KG		0.17		2
PHOSPHORUS		%		0.07		2
CALAMAGROSTIS HETEROPHILA, REEDGRASS, HETEROPHILA						
CALAMAGROSTIS HETEROPHILA HETEROPHILA, AERIAL PART, FRESH, (2)						
REF NO 2-11-000						
DRY MATTER		%	44.6	100.0		1
ORGANIC MATTER		%	41.4	92.8		
ASH		%	3.2	7.2		1
CRUDE FIBER		%	13.9	31.2		1
ETHER EXTRACT		%	1.1	2.5		1
NITROGEN FREE EXTRACT		%	22.3	50.0		1
PROTEIN		%	4.1	9.2		1
CATTLE	DIG PROT	% *	2.5	5.7		
GOATS	DIG PROT	% *	2.3	5.1		
HORSES	DIG PROT	% *	2.4	5.3		
RABBITS	DIG PROT	% *	2.6	5.8		
SHEEP	DIG PROT	% *	2.5	5.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.16	2.59		
SHEEP	DE	MCAL/KG *	1.18	2.65		
CATTLE	ME	MCAL/KG *	0.95	2.12		
SHEEP	ME	MCAL/KG *	0.97	2.18		
CATTLE	NE-M	MCAL/KG *	0.56	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.61		
CATTLE	NE-LACTATION	MCAL/KG *	0.58	1.31		
CATTLE	TDN	% *	26.2	58.7		
SHEEP	TDN	% *	26.8	60.2		
CALCIUM		%	0.18	0.40		1
MAGNESIUM		%	0.03	0.07		1
CALAMAGROSTIS HUMBOLTIANA, REEDGRASS, HUMBOLTIANA						
CALAMAGROSTIS HUMBOLTIANA HUMBOLTIANA, AERIAL PART, FRESH, (2)						
REF NO 2-10-924						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.0		
ASH		%		5.0		1
PROTEIN		%		8.9		1
CATTLE	DIG PROT	% *		5.5		
GOATS	DIG PROT	% *		4.9		
HORSES	DIG PROT	% *		5.1		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		5.3		
CALCIUM		%		0.41		1
COBALT		MG/KG		0.048		1
COPPER		MG/KG		1.8		1
MANGANESE		MG/KG		41.1		1
MOLYBDENUM		MG/KG		0.35		1
PHOSPHORUS		%		0.12		1
CALAMAGROSTIS HUMBOLTIANA HUMBOLTIANA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-925						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.4		
ASH		%		3.6		1
CRUDE FIBER		%		38.7		1
ETHER EXTRACT		%		1.4		1
NITROGEN FREE EXTRACT		%		53.1		1
PROTEIN		%		3.2		1
CATTLE	DIG PROT	% *		0.6		
GOATS	DIG PROT	% *		-0.5		
HORSES	DIG PROT	% *		0.2		
RABBITS	DIG PROT	% *		1.1		
SHEEP	DIG PROT	% *		-0.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		1.95		
SHEEP	DE	MCAL/KG *		2.43		
CATTLE	ME	MCAL/KG *		1.60		
SHEEP	ME	MCAL/KG *		1.99		
CATTLE	NE-M	MCAL/KG *		0.96		
CATTLE	NE-GAIN	MCAL/KG *		0.03		
CATTLE	NE-LACTATION	MCAL/KG *		0.81		
CATTLE	TDN	% *		44.3		
SHEEP	TDN	% *		55.1		
CALCIUM		%		0.36		1
COBALT		MG/KG		0.080		1
COPPER		MG/KG		2.3		1
MANGANESE		MG/KG		53.4		1
MOLYBDENUM		MG/KG		0.30		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%		0.06		1

CALAMAGROSTIS INTERMEDIA, REEDGRASS, INTERMEDIA

CALAMAGROSTIS INTERMEDIA INTERMEDIA, HAY, S-C, (1)

REF NO 1-11-013

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.1		
ASH	%		6.9		1
CRUDE FIBER	%		33.6		1
ETHER EXTRACT	%		1.8		1
NITROGEN FREE EXTRACT	%		54.0		1
PROTEIN	%		3.7		1
CATTLE DIG PROT % *			0.2		
GOATS DIG PROT % *			0.1		
HORSES DIG PROT % *			0.7		
RABBITS DIG PROT % *			1.6		
SHEEP DIG PROT % *			-0.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.30		
HORSES DE MCAL/KG *			1.55		
SHEEP DE MCAL/KG *			2.24		
CATTLE ME MCAL/KG *			1.88		
HORSES ME MCAL/KG *			1.27		
SHEEP ME MCAL/KG *			1.84		
CATTLE NE-M MCAL/KG *			1.11		
CATTLE NE-GAIN MCAL/KG *			0.36		
CATTLE NE-LACTATION MCAL/KG *			1.08		
CATTLE TDN % *			52.1		
HORSES TDN % *			37.6		
SHEEP TDN % *			50.8		
CALCIUM	%		0.22		1
MAGNESIUM	%		0.04		1

CALAMAGROSTIS INTERMEDIA INTERMEDIA, AERIAL PART, FRESH, (2)

REF NO 2-11-012

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.8	100.0		1
ORGANIC MATTER	%	34.0	94.9		
ASH	%	1.8	5.1	19	4
CRUDE FIBER	%	11.6	32.4		1
ETHER EXTRACT	%	0.7	1.8		3
NITROGEN FREE EXTRACT	%	20.1	56.1		1
PROTEIN	%	1.7	4.6	31	4
CATTLE DIG PROT % *		0.7	1.8		
GOATS DIG PROT % *		0.3	0.9		
HORSES DIG PROT % *		0.5	1.5		
RABBITS DIG PROT % *		0.8	2.2		
SHEEP DIG PROT % *		0.5	1.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.85	2.38		
SHEEP DE MCAL/KG *		0.93	2.60		
CATTLE ME MCAL/KG *		0.70	1.95		
SHEEP ME MCAL/KG *		0.76	2.13		
CATTLE NE-M MCAL/KG *		0.41	1.15		
CATTLE NE-GAIN MCAL/KG *		0.16	0.44		
CATTLE NE-LACTATION MCAL/KG *		0.41	1.14		
CATTLE TDN % *		19.3	54.0		
SHEEP TDN % *		21.1	59.0		
CALCIUM	%	0.16	0.44		2
COBALT	MG/KG	0.008	0.022		1
COPPER	MG/KG	2.3	6.4		1
MAGNESIUM	%	0.05	0.14		1
MANGANESE	MG/KG	28.6	79.8		1
MOLYBDENUM	MG/KG	0.04	0.11		1
PHOSPHORUS	%	0.02	0.07		1
ZINC	MG/KG	5.2	14.7		1

CALAMAGROSTIS JAMESON, REEDGRASS, JAMESON

CALAMAGROSTIS JAMESON JAMESON, AERIAL PART, FRESH, (2)

REF NO 2-11-246

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.7		
ASH	%		5.3	13	5
PROTEIN	%		4.4	40	5
CATTLE DIG PROT % *			1.6		
GOATS DIG PROT % *			0.7		
HORSES DIG PROT % *			1.3		
RABBITS DIG PROT % *			2.1		
SHEEP DIG PROT % *			1.1		
CALCIUM	%		0.66	88	5
COBALT	MG/KG		0.055		3
COPPER	MG/KG		5.9	98	5
MANGANESE	MG/KG		301.5	34	5
MOLYBDENUM	MG/KG		0.28	61	5
PHOSPHORUS	%		0.12	45	5
ZINC	MG/KG		53.9	83	5

CALAMAGROSTIS RECTA, REEDGRASS, RECTA

CALAMAGROSTIS RECTA RECTA, AERIAL PART, FRESH, (2)

REF NO 2-11-247

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.2		
ASH	%		5.8	36	7
NITROGEN FREE EXTRACT	%		6.6		1
PROTEIN	%		3.7	37	6
CATTLE DIG PROT % *			1.1		
GOATS DIG PROT % *					
HORSES DIG PROT % *			0.7		
RABBITS DIG PROT % *			1.5		
SHEEP DIG PROT % *			0.5		
CALCIUM	%		0.16	45	7
COBALT	MG/KG		0.035	17	7
COPPER	MG/KG		7.8	39	7
MANGANESE	MG/KG		410.0	98	7
MOLYBDENUM	MG/KG		0.43	80	7
PHOSPHORUS	%		0.13	59	7
ZINC	MG/KG		31.4	95	7

CALAMAGROSTIS RIGIDA, REEDGRASS, RIGIDA

CALAMAGROSTIS RIGIDA RIGIDA, AERIAL PART, FRESH, (2)

REF NO 2-10-923

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.6		
ASH	%		4.4		3
PROTEIN	%		5.2		2
CATTLE DIG PROT % *			2.3		
GOATS DIG PROT % *			1.4		
HORSES DIG PROT % *			2.0		
RABBITS DIG PROT % *			2.7		
SHEEP DIG PROT % *			1.8		
CALCIUM	%		0.35		3
COBALT	MG/KG		0.230		3
COPPER	MG/KG		1.9		3
MANGANESE	MG/KG		131.8		3
MOLYBDENUM	MG/KG		0.05		3
PHOSPHORUS	%		0.08		3

CALAMAGROSTIS SPP, REEDGRASS

CALAMAGROSTIS SPP, AERIAL PART, FRESH, (2)

REF NO 2-11-248

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.2		
ASH	%		4.8	47	15
CRUDE FIBER	%		30.5	10	5
ETHER EXTRACT	%		2.4	16	7
NITROGEN FREE EXTRACT	%		56.7	9	5
PROTEIN	%		5.6	20	15
CATTLE DIG PROT % *			2.6		
GOATS DIG PROT % *			1.8		
HORSES DIG PROT % *			2.3		
RABBITS DIG PROT % *			5.0		
SHEEP DIG PROT % *			2.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.66		
SHEEP DE MCAL/KG *			2.68		
CATTLE ME MCAL/KG *			2.18		
SHEEP ME MCAL/KG *			2.20		
CATTLE NE-M MCAL/KG *			1.29		
CATTLE NE-GAIN MCAL/KG *			0.67		
CATTLE NE-LACTATION MCAL/KG *			1.36		
CATTLE TDN % *			60.2		
SHEEP TDN % *			60.9		
CALCIUM	%		0.34	23	4
COBALT	MG/KG		0.061		3
COPPER	MG/KG		4.0	61	4
MANGANESE	MG/KG		187.9	33	4
MOLYBDENUM	MG/KG		0.22	75	4
PHOSPHORUS	%		0.09	36	4
ZINC	MG/KG		24.4		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALAMAGROSTIS SPP, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-13-915					
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	22.7	90.8		1
ASH	%	2.3	9.2		1
CRUDE FIBER	%	9.1	36.5		1
ETHER EXTRACT	%	0.4	1.4		1
NITROGEN FREE EXTRACT	%	12.0	48.0		1
PROTEIN	%	1.2	4.9		1
CATTLE DIG PROT	% *	0.5	2.1		
GOATS DIG PROT	% *	0.3	1.1		
HORSES DIG PROT	% *	0.4	1.7		
RABBITS DIG PROT	% *	0.6	2.5		
SHEEP DIG PROT	% *	0.4	1.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.56	2.22		
SHEEP DE	MCAL/KG *	0.60	2.39		
CATTLE ME	MCAL/KG *	0.46	1.82		
SHEEP ME	MCAL/KG *	0.49	1.96		
CATTLE NE-M	MCAL/KG *	0.27	1.08		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.29		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.02		
CATTLE TDN	% *	12.6	50.4		
SHEEP TDN	% *	13.6	54.3		
CALCIUM	%	0.02	0.07		1
PHOSPHORUS	%	0.01	0.03		1
CALAMAGROSTIS TRICHOPHYLLA, REEDGRASS, TRICHOPHYLLA					
CALAMAGROSTIS TRICHOPHYLLA TRICHOPHYLLA, AERIAL PART, FRESH, (2)					
REF NO 2-10-921					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.5		
ASH	%		6.5		1
CRUDE FIBER	%		30.5		1
PROTEIN	%		11.0		1
CATTLE DIG PROT	% *		7.3		
GOATS DIG PROT	% *		6.8		
HORSES DIG PROT	% *		6.9		
RABBITS DIG PROT	% *		7.2		
SHEEP DIG PROT	% *		7.3		
CALCIUM	%		0.30		1
COBALT	MG/KG		0.122		1
COPPER	MG/KG		2.3		1
MANGANESE	MG/KG		307.3		1
MOLYBDENUM	MG/KG		0.10		1
PHOSPHORUS	%		0.30		1
CALAMAGROSTIS TRICHOPHYLLA TRICHOPHYLLA, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-10-922					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		97.5		
ASH	%		2.5		1
CRUDE FIBER	%		36.1		1
ETHER EXTRACT	%		2.0		1
NITROGEN FREE EXTRACT	%		54.1		1
PROTEIN	%		5.2		1
CATTLE DIG PROT	% *		2.3		
GOATS DIG PROT	% *		1.4		
HORSES DIG PROT	% *		2.0		
RABBITS DIG PROT	% *		2.7		
SHEEP DIG PROT	% *		1.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.19		
SHEEP DE	MCAL/KG *		2.57		
CATTLE ME	MCAL/KG *		1.80		
SHEEP ME	MCAL/KG *		2.11		
CATTLE NE-M	MCAL/KG *		1.06		
CATTLE NE-GAIN	MCAL/KG *		0.26		
CATTLE NE-LACTATION	MCAL/KG *		1.00		
CATTLE TDN	% *		49.7		
SHEEP TDN	% *		56.3		
CALCIUM	%		0.18		1
COBALT	MG/KG		0.330		1
COPPER	MG/KG		1.9		1
MANGANESE	MG/KG		59.0		1
PHOSPHORUS	%		0.03		1
CALAMAGROSTIS VICUNARUM, REEDGRASS, VICUNARUM					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALAMAGROSTIS VICUNARUM VICUNARUM, HAY, S-C, (1)					
REF NO 1-11-011					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.1		
ASH	%		5.9		2
CRUDE FIBER	%		31.1		2
ETHER EXTRACT	%		1.9		2
NITROGEN FREE EXTRACT	%		54.0		2
PROTEIN	%		7.1		2
CATTLE DIG PROT	% *		3.1		
GOATS DIG PROT	% *		3.2		
HORSES DIG PROT	% *		3.6		
RABBITS DIG PROT	% *		4.2		
SHEEP DIG PROT	% *		2.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.42		
HORSES DE	MCAL/KG *		1.66		
SHEEP DE	MCAL/KG *		2.37		
CATTLE ME	MCAL/KG *		1.99		
HORSES ME	MCAL/KG *		1.37		
SHEEP ME	MCAL/KG *		1.95		
CATTLE NE-M	MCAL/KG *		1.17		
CATTLE NE-GAIN	MCAL/KG *		0.48		
CATTLE NE-LACTATION	MCAL/KG *		1.18		
CATTLE TDN	% *		55.0		
HORSES TDN	% *		41.2		
SHEEP TDN	% *		53.8		
CALCIUM	%		0.36		2
MAGNESIUM	%		0.35		2
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH, (2)					
REF NO 2-10-928					
DRY MATTER	%	45.1	100.0		1
ORGANIC MATTER	%	42.6	94.5		
ASH	%	2.5	5.5	37	98
CRUDE FIBER	%	14.9	33.0	11	19
ETHER EXTRACT	%	1.2	2.6	24	23
NITROGEN FREE EXTRACT	%	23.5	52.2	13	17
PROTEIN	%	3.0	6.7	36	98
CATTLE DIG PROT	% *	1.6	3.6		
GOATS DIG PROT	% *	1.3	2.8		
HORSES DIG PROT	% *	1.4	3.2		
RABBITS DIG PROT	% *	1.7	3.8		
SHEEP DIG PROT	% *	1.4	3.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.12	2.48		
SHEEP DE	MCAL/KG *	1.18	2.61		
CATTLE ME	MCAL/KG *	0.92	2.03		
SHEEP ME	MCAL/KG *	0.97	2.14		
CATTLE NE-M	MCAL/KG *	0.54	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.24	0.52		
CATTLE NE-LACTATION	MCAL/KG *	0.55	1.22		
CATTLE TDN	% *	25.4	56.2		
SHEEP TDN	% *	26.7	59.3		
CALCIUM	%	0.13	0.30	59	98
COBALT	MG/KG	0.062	0.138	81	93
COPPER	MG/KG	2.8	6.1	60	98
MAGNESIUM	%	0.04	0.09		1
MANGANESE	MG/KG	116.4	258.1	58	98
MOLYBDENUM	MG/KG	0.16	0.35	70	97
PHOSPHORUS	%	0.05	0.12	48	98
ZINC	MG/KG	18.2	40.3	55	61
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH, EARLY BLOOM, (2)					
REF NO 2-10-929					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.7		
ASH	%		5.3		1
CRUDE FIBER	%		34.4		1
ETHER EXTRACT	%		2.0		1
NITROGEN FREE EXTRACT	%		51.0		1
PROTEIN	%		7.3		1
CATTLE DIG PROT	% *		4.1		
GOATS DIG PROT	% *		3.4		
HORSES DIG PROT	% *		3.8		
RABBITS DIG PROT	% *		4.3		
SHEEP DIG PROT	% *		3.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.36		
SHEEP DE	MCAL/KG *		2.59		
CATTLE ME	MCAL/KG *		1.93		
SHEEP ME	MCAL/KG *		2.12		
CATTLE NE-M	MCAL/KG *		1.14		
CATTLE NE-GAIN	MCAL/KG *		0.42		
CATTLE NE-LACTATION	MCAL/KG *		1.13		
CATTLE TDN	% *		53.5		
SHEEP TDN	% *		58.7		
CALCIUM	%		0.07		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-10-931						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		66.		1
ORGANIC MATTER		%		95.6		
ASH		%		4.4		2
CRUDE FIBER		%		33.9		1
ETHER EXTRACT		%		1.9		2
NITROGEN FREE EXTRACT		%		50.8		1
PROTEIN		%		8.9		3
CATTLE	DIG PROT	%	*	5.5		
GOATS	DIG PROT	%	*	4.9		
HORSES	DIG PROT	%	*	5.1		
RABBITS	DIG PROT	%	*	5.6		
SHEEP	DIG PROT	%	*	5.3		
CELL WALLS (VAN SOEST)		%		68.7		1
CELL WALLS IN VITRO	DIG COEF	%		50.		1
CELLULOSE (VAN SOEST)		%		30.1		1
FIBER, ACID DETERGENT (VS)		%		36.2		1
HEMICELLULOSE		%		32.5		1
LIGNIN KMNO4 (VS)		%		4.1		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.44		
SHEEP	DE	MCAL/KG	*	2.64		
CATTLE	ME	MCAL/KG	*	2.00		
SHEEP	ME	MCAL/KG	*	2.16		
CATTLE	NE-M	MCAL/KG	*	1.18		
CATTLE	NE-GAIN	MCAL/KG	*	0.49		
CATTLE	NE-LACTATION	MCAL/KG	*	1.19		
CATTLE	TDN	%	*	55.4		
SHEEP	TDN	%	*	59.8		
CALCIUM		%		0.07		1
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-11-819						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		69.		1
PROTEIN		%		7.1		1
CATTLE	DIG PROT	%	*	3.9		
GOATS	DIG PROT	%	*	3.2		
HORSES	DIG PROT	%	*	3.6		
RABBITS	DIG PROT	%	*	4.2		
SHEEP	DIG PROT	%	*	3.6		
CELL WALLS (VAN SOEST)		%		70.6		1
CELL WALLS IN VITRO	DIG COEF	%		56.		1
CELLULOSE (VAN SOEST)		%		29.2		1
FIBER, ACID DETERGENT (VS)		%		27.3		1
HEMICELLULOSE		%		43.3		1
LIGNIN KMNO4 (VS)		%		4.6		1
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-930						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.9		
ASH		%		6.1	23	24
CRUDE FIBER		%		37.1	11	15
ETHER EXTRACT		%		1.3	30	15
NITROGEN FREE EXTRACT		%		51.2	7	15
PROTEIN		%		4.4	33	24
CATTLE	DIG PROT	%	*	1.6		
GOATS	DIG PROT	%	*	0.6		
HORSES	DIG PROT	%	*	1.2		
RABBITS	DIG PROT	%	*	2.0		
SHEEP	DIG PROT	%	*	1.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.15		
SHEEP	DE	MCAL/KG	*	2.43		
CATTLE	ME	MCAL/KG	*	1.76		
SHEEP	ME	MCAL/KG	*	1.99		
CATTLE	NE-M	MCAL/KG	*	1.04		
CATTLE	NE-GAIN	MCAL/KG	*	0.22		
CATTLE	NE-LACTATION	MCAL/KG	*	0.96		
CATTLE	TDN	%	*	48.7		
SHEEP	TDN	%	*	55.1		
CALCIUM		%		0.21	39	24
COBALT		MG/KG		0.268	70	15
COPPER		MG/KG		3.2	26	23
MANGANESE		MG/KG		234.0	98	24
MOLYBDENUM		MG/KG		0.49	59	22
PHOSPHORUS		%		0.06	27	24
ZINC		MG/KG		17.6	13	8

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)						
REF NO 2-11-817						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		71.		1
PROTEIN		%		12.1		1
CATTLE	DIG PROT	%	*	8.2		
GOATS	DIG PROT	%	*	7.8		
HORSES	DIG PROT	%	*	7.8		
RABBITS	DIG PROT	%	*	8.0		
SHEEP	DIG PROT	%	*	8.3		
CELL WALLS (VAN SOEST)		%		64.3		1
CELL WALLS IN VITRO	DIG COEF	%		54.		1
CELLULOSE (VAN SOEST)		%		28.0		1
FIBER, ACID DETERGENT (VS)		%		33.6		1
HEMICELLULOSE		%		30.7		1
LIGNIN KMNO4 (VS)		%		4.9		1
CALAMAGROSTIS VICUNARUM VICUNARUM, AERIAL PART, FRESH FERTILIZED, FULL BLOOM, (2)						
REF NO 2-11-818						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		65.		1
PROTEIN		%		9.6		1
CATTLE	DIG PROT	%	*	6.1		
GOATS	DIG PROT	%	*	5.5		
HORSES	DIG PROT	%	*	5.7		
RABBITS	DIG PROT	%	*	6.1		
SHEEP	DIG PROT	%	*	5.9		
CELL WALLS (VAN SOEST)		%		68.6		1
CELL WALLS IN VITRO	DIG COEF	%		49.		1
CELLULOSE (VAN SOEST)		%		29.9		1
FIBER, ACID DETERGENT (VS)		%		37.1		1
HEMICELLULOSE		%		31.5		1
LIGNIN KMNO4 (VS)		%		5.2		1
CALCIUM CARBONATE						
CALCIUM CARBONATE CARBONATE CACO3, COMMERCIAL MN 38% CALCIUM, (6) CALCIUM CARBONATE (AAFCO)						
REF NO 6-01-069						
DRY MATTER		%	93.6	100.0		1
ORGANIC MATTER		%	(55.5)	(59.3)		
ASH		%	38.1	40.7		1
CALCIUM		%	(34.44)	(36.79)		1
CALCIUM PHOSPHATE, DIBASIC						
CALCIUM PHOSPHATE, DIBASIC PHOSPHATE DIBASIC, COMMERCIAL, (6) DICALCIUM PHOSPHATE (AAFCO)						
REF NO 6-01-080						
DRY MATTER		%	(97.3)	(100.0)		3
ORGANIC MATTER		%	6.0	6.2		
ASH		%	(91.3)	(93.8)		3
CALCIUM		%	(23.64)	(24.29)	9	11
FLUORINE		MG/KG	(0.08)	(0.08)	63	6
PHOSPHORUS		%	(18.42)	(18.92)	5	10
CHICKENS, CHICKS AVAILABLE		%	18.25	18.75		1
CALENDULA OFFICINALIS, CALENDULA, POTMARIGOLD						
CALENDULA OFFICINALIS POTMARIGOLD, FLOWERS, FRESH, (2)						
REF NO 2-11-452						
DRY MATTER		%	15.6	100.0		1
ORGANIC MATTER		%	14.4	92.4		1
ASH		%	1.2	7.6		1
CRUDE FIBER		%	2.4	15.6		1
ETHER EXTRACT		%	1.2	7.9		1
NITROGEN FREE EXTRACT		%	8.8	56.6		1
PROTEIN		%	1.9	12.4		1
CATTLE	DIG PROT	%	* 1.3	8.4		
GOATS	DIG PROT	%	* 1.3	8.1		
HORSES	DIG PROT	%	* 1.3	8.0		
RABBITS	DIG PROT	%	* 1.3	8.2		
SHEEP	DIG PROT	%	* 1.3	8.5		
VITAMIN A EQUIV		IU/G	(28.7)	(183.7)		
CALLINECTES SAPIDUS, CANCER SPP, PARALITHODES CAMSCHATICA, CRAB						

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALLINECTES SAPIDUS, CANCER SPP, PARALITHODES CAMSCHATICA, PROCESS RESIDUE, DEHY GRND, MN 25% PROTEIN SALT DECLARED ABOVE 3% MX 7%, (5) CRAB MEAL (AAFCO)					
REF NO 5-01-663					
DRY MATTER	%	(92.3)	(100.0)	1	9
ORGANIC MATTER	%	51.5	55.8		
ASH	%	40.8	44.2		7
CRUDE FIBER	%	10.5	11.3	2	7
ETHER EXTRACT	%	2.0	2.2	6	7
NITROGEN FREE EXTRACT	%	7.7	8.3	6	5
PROTEIN	%	31.3	33.9	1	7
FATTY ACIDS	%				
LINOLEIC	%	0.328	0.355		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		-0.33	-0.36		
SHEEP DE MCAL/KG *		1.20	1.30		
CATTLE ME MCAL/KG *		-0.27	-0.29		
CHICKENS ME-N KCAL/KG		1827.	1979.		3
SHEEP ME MCAL/KG *		0.99	1.07		
CATTLE NE-M MCAL/KG *		0.34	0.37		
CATTLE NE-GAIN MCAL/KG *		-3.75	-4.06		
CATTLE NE-LACTATION MCAL/KG *		(-0.92)	(-1.00)		
CHICKENS PRODUCTIVE KCAL/KG		1318.	1428.		2
CATTLE TDN % *		-7.5	-8.1		
SHEEP TDN % *		(27.3)	(29.5)		
CALCIUM	%	(14.56)	(15.77)	4	8
CHLORINE	%	(1.51)	(1.63)		3
COPPER	MG/KG	(32.7)	(35.5)		3
IODINE	MG/KG	(0.558)	(0.604)		1
IRON	%	(0.305)	(0.330)		3
MAGNESIUM	%	(0.88)	(0.95)		3
MANGANESE	MG/KG	(133.0)	(144.0)		4
PHOSPHORUS	%	(1.41)	(1.53)	25	8
CHICKENS, CHICKS AVAILABLE	%	(1.29)	(1.40)		2
POTASSIUM	%	(0.75)	(0.81)	89	5
SODIUM	%	(0.89)	(0.97)	10	4
SULPHUR	%	(0.32)	(0.35)		2
CHOLINE	MG/KG	(2000.)	(2166.)		4
NIACIN	MG/KG	(43.8)	(47.5)		4
PANTOTHENIC ACID	MG/KG	(6.6)	(7.1)		6
RIBOFLAVIN	MG/KG	(6.2)	(6.7)	9	6
VITAMIN B12	UG/KG	(297.0)	(321.7)		3
ARGININE	%	(1.66)	(1.80)	3	6
CYSTINE	%	(0.30)	(0.32)		3
GLYCINE	%	(1.79)	(1.94)		1
HISTIDINE	%	(0.50)	(0.54)		4
ISOLEUCINE	%	(1.20)	(1.29)		4
LEUCINE	%	(1.60)	(1.73)		3
LYSINE	%	(1.40)	(1.51)		6
METHIONINE	%	(0.51)	(0.55)	4	6
PHENYLALANINE	%	(1.20)	(1.29)		4
THREONINE	%	(1.05)	(1.13)	9	4
TRYPTOPHAN	%	(0.31)	(0.34)	6	6
TYROSINE	%	(1.20)	(1.30)		3
VALINE	%	1.49	1.62		4

CALLISTYLON ARBOREUM

CALLISTYLON ARBOREUM ARBOREUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-968

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.1	100.0		1
ORGANIC MATTER	%	16.8	93.0		1
ASH	%	1.3	7.0		1
CRUDE FIBER	%	3.3	18.3		1
ETHER EXTRACT	%	0.3	1.4		1
NITROGEN FREE EXTRACT	%	10.0	55.0		1
PROTEIN	%	3.3	18.3		1
CATTLE DIG PROT % *		2.4	13.4		
GOATS DIG PROT % *		2.5	13.6		
HORSES DIG PROT % *		2.4	13.1		
RABBITS DIG PROT % *		2.3	12.8		
SHEEP DIG PROT % *		2.5	14.0		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.56	3.10		
SHEEP DE MCAL/KG *		0.56	3.11		
CATTLE ME MCAL/KG *		0.46	2.54		
SHEEP ME MCAL/KG *		0.46	2.55		
CATTLE NE-M MCAL/KG *		0.28	1.55		
CATTLE NE-GAIN MCAL/KG *		0.18	0.98		
CATTLE NE-LACTATION MCAL/KG *		0.31	1.71		
CATTLE TDN % *		12.7	70.3		
SHEEP TDN % *		12.8	70.5		
CALCIUM	%	0.44	2.44		1
PHOSPHORUS	%	0.05	0.25		1

CALOPOGONIUM CAERULLUM, JICAMA

CALOPOGONIUM CAERULEUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-966

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.8	100.0		2
ORGANIC MATTER	%	19.8	91.0		2
ASH	%	2.0	9.1		2
CRUDE FIBER	%	6.9	31.9		2
ETHER EXTRACT	%	0.7	3.3		2
NITROGEN FREE EXTRACT	%	7.6	35.0		2
PROTEIN	%	4.5	20.9		2
CATTLE DIG PROT % *		3.4	15.6		
GOATS DIG PROT % *		3.5	16.0		
HORSES DIG PROT % *		3.3	15.2		
RABBITS DIG PROT % *		3.2	14.8		
SHEEP DIG PROT % *		3.6	16.4		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.58	2.65		
SHEEP DE MCAL/KG *		0.61	2.82		
CATTLE ME MCAL/KG *		0.47	2.18		
SHEEP ME MCAL/KG *		0.50	2.31		
CATTLE NE-M MCAL/KG *		0.28	1.29		
CATTLE NE-GAIN MCAL/KG *		0.14	0.66		
CATTLE NE-LACTATION MCAL/KG *		0.29	1.36		
CATTLE TDN % *		13.1	60.2		
SHEEP TDN % *		13.9	63.9		
CALCIUM	%	0.36	1.67		2
PHOSPHORUS	%	0.37	1.69		2

CALOPOGONIUM CAERULEUM, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-967

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	40.2	100.0		1
ORGANIC MATTER	%	36.4	90.5		1
ASH	%	3.4	8.4		1
CRUDE FIBER	%	12.1	30.2		1
ETHER EXTRACT	%	0.8	1.9		1
NITROGEN FREE EXTRACT	%	17.8	44.3		1
PROTEIN	%	6.1	15.2		1
CATTLE DIG PROT % *		4.3	10.8		
GOATS DIG PROT % *		4.3	10.7		
HORSES DIG PROT % *		4.2	10.4		
RABBITS DIG PROT % *		4.2	10.4		
SHEEP DIG PROT % *		4.5	11.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.08	2.69		
SHEEP DE MCAL/KG *		1.08	2.69		
CATTLE ME MCAL/KG *		0.89	2.21		
SHEEP ME MCAL/KG *		0.89	2.21		
CATTLE NE-M MCAL/KG *		0.53	1.31		
CATTLE NE-GAIN MCAL/KG *		0.28	0.70		
CATTLE NE-LACTATION MCAL/KG *		0.56	1.39		
CATTLE TDN % *		24.6	61.1		
SHEEP TDN % *		24.6	61.1		
CALCIUM	%	0.58	1.44		1
PHOSPHORUS	%	0.06	0.14		1

CALOPOGONIUM MUCUNOIDES

CALOPOGONIUM MUCUNOIDES MUCUNOIDES, AERIAL PART, FRESH, (2)

REF NO 2-17-604

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	39.6	100.0		1
PROTEIN	%	5.3	13.5		1
CATTLE DIG PROT % *		3.7	9.4		
GOATS DIG PROT % *		3.6	9.2		
HORSES DIG PROT % *		3.6	9.0		
RABBITS DIG PROT % *		3.6	9.1		
SHEEP DIG PROT % *		3.8	9.6		
CALCIUM	%	0.14	0.36		1
MAGNESIUM	%	0.20	0.51		1
MANGANESE	MG/KG	55.8	141.0		1
PHOSPHORUS	%	0.06	0.16		1
POTASSIUM	%	0.55	1.40		1
SODIUM	%	0.05	0.14		1
ZINC	MG/KG	16.6	42.0		1

CALOPOGONIUM MUCUNOIDES MUCUNOIDES, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-964

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.3	100.0		2
ORGANIC MATTER	%	20.1	90.1		1
ASH	%	2.0	8.8		2
CRUDE FIBER	%	7.6	34.0		2
ETHER EXTRACT	%	0.5	2.3		2
NITROGEN FREE EXTRACT	%	7.8	35.2		2
PROTEIN	%	4.4	19.7		2
CATTLE DIG PROT % *		3.3	14.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT % *	3.3	14.9	
HORSES	DIG PROT % *	3.2	14.2	
RABBITS	DIG PROT % *	3.1	13.9	
SHEEP	DIG PROT % *	3.4	15.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.60	2.71	
SHEEP	DE MCAL/KG *	0.61	2.71	
CATTLE	ME MCAL/KG *	0.50	2.22	
SHEEP	ME MCAL/KG *	0.50	2.23	
CATTLE	NE-M MCAL/KG *	0.29	1.32	
CATTLE	NE-GAIN MCAL/KG *	0.16	0.71	
CATTLE	NE-LACTATION MCAL/KG *	0.31	1.40	
CATTLE	TDN % *	13.7	61.5	
SHEEP	TDN % *	13.7	61.5	
CALCIUM	%	0.21	0.95	1
PHOSPHORUS	%	0.08	0.36	1

CALOPOGONIUM MUCUNOIDES MUCUNOIDES, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-965

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	30.0	100.0	1
ORGANIC MATTER	%	27.8	92.6	1
ASH	%	2.5	8.4	1
CRUDE FIBER	%	12.2	40.8	1
ETHER EXTRACT	%	0.7	2.2	1
NITROGEN FREE EXTRACT	%	10.1	33.5	1
PROTEIN	%	4.5	15.1	1
CATTLE	DIG PROT % *	3.2	10.7	
GOATS	DIG PROT % *	3.2	10.6	
HORSES	DIG PROT % *	3.1	10.3	
RABBITS	DIG PROT % *	3.1	10.3	
SHEEP	DIG PROT % *	3.3	11.1	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.78	2.61	
SHEEP	ME MCAL/KG *	0.64	2.14	
SHEEP	TDN % *	17.8	59.3	
CALCIUM	%	0.26	0.88	1
PHOSPHORUS	%	0.04	0.12	1

CALOPOGONIUM MUCUNOIDES MUCUNOIDES, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-963

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	32.8	100.0	2
ORGANIC MATTER	%	29.5	90.2	2
ASH	%	3.2	9.8	2
CRUDE FIBER	%	9.4	28.8	2
ETHER EXTRACT	%	1.0	3.0	2
NITROGEN FREE EXTRACT	%	13.8	42.3	2
PROTEIN	%	5.3	16.3	2
CATTLE	DIG PROT % *	3.8	11.7	
GOATS	DIG PROT % *	3.8	11.7	
HORSES	DIG PROT % *	3.7	11.3	
RABBITS	DIG PROT % *	3.7	11.2	
SHEEP	DIG PROT % *	4.0	12.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.89	2.71	
SHEEP	DE MCAL/KG *	0.90	2.74	
CATTLE	ME MCAL/KG *	0.73	2.23	
SHEEP	ME MCAL/KG *	0.74	2.25	
CATTLE	NE-M MCAL/KG *	0.43	1.32	
CATTLE	NE-GAIN MCAL/KG *	0.23	0.71	
CATTLE	NE-LACTATION MCAL/KG *	0.46	1.40	
CATTLE	TDN % *	20.2	61.6	
SHEEP	TDN % *	20.4	62.2	
CALCIUM	%	0.59	1.80	2
PHOSPHORUS	%	0.07	0.21	2

CANAVALIA ENSIFORMIS, JACKBEAN, COMMON

CANAVALIA ENSIFORMIS COMMON, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-916

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	10.0	100.0	1
ORGANIC MATTER	%	9.1	91.3	1
ASH	%	0.9	8.9	1
CRUDE FIBER	%	3.4	33.6	1
ETHER EXTRACT	%	0.1	1.1	1
NITROGEN FREE EXTRACT	%	4.0	39.6	1
PROTEIN	%	1.7	16.8	1
CATTLE	DIG PROT % *	1.2	12.2	
GOATS	DIG PROT % *	1.2	12.2	
HORSES	DIG PROT % *	1.2	11.8	
RABBITS	DIG PROT % *	1.2	11.6	
SHEEP	DIG PROT % *	1.3	12.6	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.26	2.81	
SHEEP	DE MCAL/KG *	0.26	2.60	
CATTLE	ME MCAL/KG *	0.23	2.30	
SHEEP	ME MCAL/KG *	0.21	2.13	
CATTLE	NE-M MCAL/KG *	0.14	1.36	
CATTLE	NE-GAIN MCAL/KG *	0.06	0.78	
CATTLE	NE-LACTATION MCAL/KG *	0.15	1.48	
CATTLE	TDN % *	6.4	63.7	
SHEEP	TDN % *	5.9	59.0	
CALCIUM	%	0.22	2.20	1
PHOSPHORUS	%	0.02	0.15	1

CANAVALIA ENSIFORMIS COMMON, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-13-917

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	23.0	100.0	1
ORGANIC MATTER	%	21.9	95.3	1
ASH	%	1.1	4.7	1
CRUDE FIBER	%	5.8	25.1	1
ETHER EXTRACT	%	0.1	0.6	1
NITROGEN FREE EXTRACT	%	11.9	51.9	1
PROTEIN	%	4.1	17.7	1
CATTLE	DIG PROT % *	3.0	12.9	
GOATS	DIG PROT % *	3.0	13.1	
HORSES	DIG PROT % *	2.9	12.6	
RABBITS	DIG PROT % *	2.8	12.3	
SHEEP	DIG PROT % *	3.1	13.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.65	2.82	
SHEEP	DE MCAL/KG *	0.67	2.92	
CATTLE	ME MCAL/KG *	0.53	2.31	
SHEEP	ME MCAL/KG *	0.55	2.40	
CATTLE	NE-M MCAL/KG *	0.32	1.38	
CATTLE	NE-GAIN MCAL/KG *	0.18	0.79	
CATTLE	NE-LACTATION MCAL/KG *	0.34	1.49	
CATTLE	TDN % *	14.7	63.9	
SHEEP	TDN % *	15.2	66.3	
CALCIUM	%	0.11	0.47	1
PHOSPHORUS	%	0.03	0.15	1

CANAVALIA ENSIFORMIS COMMON, SEEDS, (5)

REF NO 5-11-438

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		97.3	
ASH	%		2.7	1
CRUDE FIBER	%		7.1	1
ETHER EXTRACT	%		2.5	1
NITROGEN FREE EXTRACT	%		54.7	1
PROTEIN	%		32.9	1
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		4.13	
SHEEP	DE MCAL/KG *		3.86	
CATTLE	ME MCAL/KG *		3.39	
SHEEP	ME MCAL/KG *		3.17	
CATTLE	NE-M MCAL/KG *		2.39	
CATTLE	NE-GAIN MCAL/KG *		1.53	
CATTLE	NE-LACTATION MCAL/KG *		2.51	
CATTLE	TDN % *		93.7	
SHEEP	TDN % *		87.6	

CANAVALIA ENSIFORMIS COMMON, SEEDS, COOKED DEHT, (5)

REF NO 5-11-446

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	83.7	100.0	2
ORGANIC MATTER	%	77.4	92.5	2
ASH	%	6.3	7.5	2
CRUDE FIBER	%	2.4	2.9	2
ETHER EXTRACT	%	1.5	1.8	2
NITROGEN FREE EXTRACT	%	40.2	48.0	2
PROTEIN	%	33.3	39.8	2
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.42	4.09	
SHEEP	DE MCAL/KG *	3.04	3.63	
CATTLE	ME MCAL/KG *	2.81	3.35	
SHEEP	ME MCAL/KG *	2.49	2.98	
CATTLE	NE-M MCAL/KG *	1.97	2.35	
CATTLE	NE-GAIN MCAL/KG *	1.26	1.51	
CATTLE	NE-LACTATION MCAL/KG *	2.08	2.48	
CATTLE	TDN % *	77.7	92.8	
SHEEP	TDN % *	69.0	82.4	

CANAVALIA ENSIFORMIS COMMON, SEEDS W HULLS, (5)

REF NO 5-09-024

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.5	
ASH	%		9.5	1
CRUDE FIBER	%		21.2	1
ETHER EXTRACT	%		5.5	1
NITROGEN FREE EXTRACT	%		41.3	1
PROTEIN	%		22.5	1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.69		
SHEEP	DE MCAL/KG *		2.81		
CATTLE	ME MCAL/KG *		2.20		
SHEEP	ME MCAL/KG *		2.31		
CATTLE	NE-M MCAL/KG *		1.31		
CATTLE	NE-GAIN MCAL/KG *		0.69		
CATTLE	NE-LACTATION MCAL/KG *		1.38		
CATTLE	TDN % *		60.9		
SHEEP	TDN % *		63.8		

CANAVALIA SPP. JACKBEAN

CANAVALIA SPP. AERIAL PART. FRESH. (2)

REF NO 2-02-434

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.3	100.0		1
ORGANIC MATTER	%	19.9	93.4		1
ASH	%	1.6	7.6		1
CRUDE FIBER	%	5.4	25.3		1
ETHER EXTRACT	%	0.6	2.6		1
NITROGEN FREE EXTRACT	%	9.2	43.4		1
PROTEIN	%	4.5	21.1		1
CATTLE	DIG PROT % *	3.4	15.8		
GOATS	DIG PROT % *	3.5	16.2		
HORSES	DIG PROT % *	3.3	15.4		
RABBITS	DIG PROT % *	3.2	15.0		
SHEEP	DIG PROT % *	3.5	16.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.63	2.98		
SHEEP	DE MCAL/KG *	0.62	2.90		
CATTLE	ME MCAL/KG *	0.52	2.44		
SHEEP	ME MCAL/KG *	0.51	2.38		
CATTLE	NE-M MCAL/KG *	0.31	1.48		
CATTLE	NE-GAIN MCAL/KG *	0.19	0.90		
CATTLE	NE-LACTATION MCAL/KG *	0.34	1.61		
CATTLE	TDN % *	14.4	67.5		
SHEEP	TDN % *	14.0	65.8		

CANAVALIA SPP. SEEDS. (5)

REF NO 5-02-435

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.0	100.0		1
ORGANIC MATTER	%	81.5	97.0		
ASH	%	2.5	3.0		1
CRUDE FIBER	%	7.9	9.4		1
ETHER EXTRACT	%	2.7	3.2		1
NITROGEN FREE EXTRACT	%	47.4	56.4		1
PROTEIN	%	23.5	28.0		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	[illegible]	3.89		
SHEEP	DE MCAL/KG *	3.18	3.78		
CATTLE	ME MCAL/KG *	2.68	3.19		
SHEEP	ME MCAL/KG *	2.60	3.10		
CATTLE	NE-M MCAL/KG *	1.82	2.16		
CATTLE	NE-GAIN MCAL/KG *	1.19	1.42		
CATTLE	NE-LACTATION MCAL/KG *	1.95	2.32		
CATTLE	TDN % *	74.2	88.3		
SHEEP	TDN % *	72.0	85.8		
CALCIUM	%	0.39	0.46		1
PHOSPHORUS	%	2.03	2.42		1

CANAVALIA SPP. SEEDS. SOLV EXTD GRND. (5)

REF NO 5-09-592

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.0	100.0		1
ORGANIC MATTER	%	84.3	96.9		1
ASH	%	2.7	3.1		1
CRUDE FIBER	%	8.0	9.2		1
ETHER EXTRACT	%	2.6	3.0		1
NITROGEN FREE EXTRACT	%	46.2	53.4		1
PROTEIN	%	25.5	29.3		1
SUGARS. TOTAL	%	42.2	48.5		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.39	3.90		
SHEEP	DE MCAL/KG *	3.28	3.77		
CATTLE	ME MCAL/KG *	2.78	3.20		
SHEEP	ME MCAL/KG *	2.69	3.09		
CATTLE	NE-M MCAL/KG *	1.89	2.17		
CATTLE	NE-GAIN MCAL/KG *	1.24	1.43		
CATTLE	NE-LACTATION MCAL/KG *	2.03	2.33		
CATTLE	TDN % *	76.9	88.4		
SHEEP	TDN % *	74.4	85.6		
PHOSPHORUS	%	0.37	0.43		1

CANE BAGASSE. DRIED
=SEE SACCHARUM OFFICINARUM. PULP.
DEHY. (1)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CANE MOLASSES. DRIED					
=SEE SACCHARUM OFFICINARUM. MOLASSES.					
DEHY. (4)					

CANE MOLASSES (AAFCO)
=SEE SACCHARUM OFFICINARUM. MOLASSES.
MN 48% INVERT SUGAR MN 79.5 DEGREES
BRIX. (4)

CANE
=SEE SACCHARUM OFFICINARUM POJ 2878.
AERIAL PART. S-C. (1)

CAPPARIS FLEXUOSA. CAPER. DDG

CAPPARIS FLEXUOSA DDG. BROWSE. FRESH. DOUGH STAGE. (2)

REF NO 2-13-268

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.5	100.0	54	13
ORGANIC MATTER	%	16.4	89.0		
ASH	%	2.0	11.0	10	7
CRUDE FIBER	%	5.3	28.5	11	13
ETHER EXTRACT	%	0.8	4.3	63	7
NITROGEN FREE EXTRACT	%	8.2	44.3	17	7
PROTEIN	%	2.2	11.8	30	13
CATTLE	DIG PROT % *	1.5	8.0		
GOATS	DIG PROT % *	1.4	7.6		
HORSES	DIG PROT % *	1.4	7.6		
RABBITS	DIG PROT % *	1.4	7.8		
SHEEP	DIG PROT % *	1.5	8.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.53	2.89		
SHEEP	DE MCAL/KG *	0.49	2.68		
CATTLE	ME MCAL/KG *	0.44	2.37		
SHEEP	ME MCAL/KG *	0.41	2.20		
CATTLE	NE-M MCAL/KG *	0.26	1.42		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.84		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.54		
CATTLE	TDN % *	12.1	65.4		
SHEEP	TDN % *	11.2	60.7		
CALCIUM	%	0.09	0.49	89	9
PHOSPHORUS	%	0.06	0.35	29	9
DM INTAKE. CATTLE	% OF BODY WT	0.49	2.68	13	6

CAPSICUM EXIMIUM. REDPEPPER. EXIMIUM

CAPSICUM EXIMIUM EXIMIUM. FRUIT. FRESH. (4)

REF NO 4-13-367

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.0	100.0		1
ORGANIC MATTER	%	21.9	95.2		
ASH	%	1.1	4.8		1
CRUDE FIBER	%	5.4	23.5		1
ETHER EXTRACT	%	0.6	2.6		1
NITROGEN FREE EXTRACT	%	11.2	48.7		
PROTEIN	%	4.7	20.4		1
CATTLE	DIG PROT % *	3.4	14.8		
GOATS	DIG PROT % *	3.7	16.0		
HORSES	DIG PROT % *	3.7	16.0		
SHEEP	DIG PROT % *	3.7	16.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.57	2.46		
SHEEP	DE MCAL/KG *	0.67	2.89		
SWINE	DE KCAL/KG *	370.	1607.		
CATTLE	ME MCAL/KG *	0.46	2.02		
SHEEP	ME MCAL/KG *	0.55	2.37		
SWINE	ME KCAL/KG *	340.	1477.		
CATTLE	NE-M MCAL/KG *	0.27	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.21		
CATTLE	TDN % *	12.8	55.8		
SHEEP	TDN % *	15.1	65.7		
SWINE	TDN % *	8.4	36.5		
CALCIUM	%	0.03	0.13		1
IRON	%	0.003	0.013		1
PHOSPHORUS	%	0.03	0.13		1
ASCORBIC ACID	MG/KG	462.5	2010.9		1
NIACIN	MG/KG	20.0	87.0		1
RIBOFLAVIN	MG/KG	3.4	14.8		1
THIAMINE	MG/KG	0.7	3.0		1
VITAMIN A EQUIV	IU/G	18.2	79.0		

CAPSICUM FRUTESCENS. REDPEPPER. BUSH

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CAPSICUM FRUTESCENS BUSH, FRUIT, GREEN, FRESH, (4)				
REF NO 4-03-684				
DRY MATTER	%	6.1	100.0	2
ORGANIC MATTER	%	5.7	94.6	
ASH	%	0.3	5.4	2
CRUDE FIBER	%	3.3	54.3	2
ETHER EXTRACT	%	0.2	3.7	2
NITROGEN FREE EXTRACT	%	0.2	3.3	
PROTEIN	%	2.0	33.3	2
CATTLE DIG PROT % *		1.6	26.6	
GOATS DIG PROT % *		1.7	27.7	
HORSES DIG PROT % *		1.7	27.7	
SHEEP DIG PROT % *		1.7	27.7	
CALCIUM	%	0.04	0.58	2
IRON	%	0.005	0.084	2
PHOSPHORUS	%	0.06	0.95	2
ASCORBIC ACID	MG/KG	929.0	15355.5	2
NIACIN	MG/KG	19.2	317.3	2
RIBOFLAVIN	MG/KG	2.9	47.3	2
THIAMINE	MG/KG	0.8	13.7	2
VITAMIN A EQUIV	IU/G	14.9	246.5	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CAPSICUM FRUTESCENS BUSH, FRUIT, COOKED, (4)				
REF NO 4-13-364				
DRY MATTER	%	9.3	100.0	1
ORGANIC MATTER	%	8.9	95.7	
ASH	%	0.4	4.3	1
CRUDE FIBER	%	1.4	15.1	1
ETHER EXTRACT	%	0.2	2.2	1
NITROGEN FREE EXTRACT	%	6.1	65.6	
PROTEIN	%	1.2	12.9	1
CATTLE DIG PROT % *		0.7	7.9	
GOATS DIG PROT % *		0.8	9.1	
HORSES DIG PROT % *		0.8	9.1	
SHEEP DIG PROT % *		0.8	9.1	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		0.27	2.85	
SHEEP DE MCAL/KG *		0.31	3.35	
SWINE DE KCAL/KG *		283.	3046.	
CATTLE ME MCAL/KG *		0.22	2.34	
SHEEP ME MCAL/KG *		0.26	2.74	
SWINE ME KCAL/KG *		265.	2845.	
CATTLE NE-M MCAL/KG *		0.13	1.40	
CATTLE NE-GAIN MCAL/KG *		0.08	0.81	
CATTLE NE-LACTATION MCAL/KG *		0.14	1.51	
CATTLE TDN % *		6.0	64.7	
SHEEP TDN % *		7.1	75.9	
SWINE TDN % *		6.4	69.1	
CALCIUM	%	0.02	0.22	1
IRON	%	0.001	0.011	1
PHOSPHORUS	%	0.03	0.32	1
ASCORBIC ACID	MG/KG	550.0	5914.0	1
NIACIN	MG/KG	11.2	120.4	1
RIBOFLAVIN	MG/KG	2.0	21.5	1
THIAMINE	MG/KG	0.7	7.5	1
VITAMIN A EQUIV	IU/G	10.8	116.5	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CAPSICUM FRUTESCENS BUSH, FRUIT, DEHY GRND, (4)				
REF NO 4-13-365				
DRY MATTER	%	92.1	100.0	2
ORGANIC MATTER	%	91.0	98.9	
ASH	%	1.1	1.1	2
CRUDE FIBER	%	16.0	17.4	2
ETHER EXTRACT	%	3.9	4.2	2
NITROGEN FREE EXTRACT	%	62.7	68.1	
PROTEIN	%	8.4	9.2	2
CATTLE DIG PROT % *		4.1	4.4	
GOATS DIG PROT % *		5.2	5.6	
HORSES DIG PROT % *		5.2	5.6	
SHEEP DIG PROT % *		5.2	5.6	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		3.05	3.31	
SHEEP DE MCAL/KG *		3.11	3.38	
SWINE DE KCAL/KG *		2947.	3201.	
CATTLE ME MCAL/KG *		2.50	2.72	
SHEEP ME MCAL/KG *		2.55	2.77	
SWINE ME KCAL/KG *		2774.	3014.	
CATTLE NE-M MCAL/KG *		1.56	1.70	
CATTLE NE-GAIN MCAL/KG *		1.03	1.12	
CATTLE NE-LACTATION MCAL/KG *		1.72	1.87	
CATTLE TDN % *		69.2	75.1	
SHEEP TDN % *		70.5	76.6	
SWINE TDN % *		66.8	72.6	
CALCIUM	%	0.15	0.16	2
IRON	%	0.015	0.016	2
PHOSPHORUS	%	0.27	0.29	2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ASCORBIC ACID	MG/KG	506.2	549.9	2
NIACIN	MG/KG	17.7	19.2	2
RIBOFLAVIN	MG/KG	7.7	8.4	2
THIAMINE	MG/KG	2.5	2.7	2
VITAMIN A EQUIV	IU/G	51.9	56.3	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CAPSICUM FRUTESCENS BUSH, FRUIT, FRESH, (4)				
REF NO 4-13-366				
DRY MATTER	%	13.2	100.0	1
ORGANIC MATTER	%	12.2	92.4	
ASH	%	1.0	7.6	1
CRUDE FIBER	%	3.0	22.7	1
ETHER EXTRACT	%	0.2	1.5	1
NITROGEN FREE EXTRACT	%	7.5	56.8	
PROTEIN	%	1.5	11.4	1
CATTLE DIG PROT % *		0.9	6.5	
GOATS DIG PROT % *		1.0	7.6	
HORSES DIG PROT % *		1.0	7.6	
SHEEP DIG PROT % *		1.0	7.6	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		0.27	2.08	
SHEEP DE MCAL/KG *		0.40	3.03	
SWINE DE KCAL/KG *		265.	2009.	
CATTLE ME MCAL/KG *		0.22	1.70	
SHEEP ME MCAL/KG *		0.33	2.48	
SWINE ME KCAL/KG *		249.	1883.	
CATTLE NE-M MCAL/KG *		0.13	1.01	
CATTLE NE-GAIN MCAL/KG *		0.02	0.15	
CATTLE NE-LACTATION MCAL/KG *		0.12	0.91	
CATTLE TDN % *		6.2	47.1	
SHEEP TDN % *		9.1	68.7	
SWINE TDN % *		6.0	45.6	
CALCIUM	%	0.03	0.23	1
IRON	%	0.003	0.023	1
PHOSPHORUS	%	0.02	0.15	1
ASCORBIC ACID	MG/KG	610.0	4621.2	1
NIACIN	MG/KG	18.8	142.4	1
RIBOFLAVIN	MG/KG	2.5	18.9	1
THIAMINE	MG/KG	0.6	4.5	1
VITAMIN A EQUIV	IU/G	11.2	84.6	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CAPSICUM FRUTESCENS BUSH, SEEDS, GRND, (6)				
REF NO 8-13-363				
DRY MATTER	%	92.8	100.0	2
ORGANIC MATTER	%	89.2	96.2	
ASH	%	3.6	3.8	2
CRUDE FIBER	%	38.0	41.0	2
ETHER EXTRACT	%	11.8	12.8	2
NITROGEN FREE EXTRACT	%	25.6	27.6	
PROTEIN	%	13.7	14.8	2
CALCIUM	%	0.08	0.08	2
IRON	%	0.011	0.011	2
PHOSPHORUS	%	0.48	0.52	2
ASCORBIC ACID	MG/KG	140.0	151.0	2
NIACIN	MG/KG	20.5	22.1	2
RIBOFLAVIN	MG/KG	3.5	3.8	2
THIAMINE	MG/KG	2.8	3.0	2
VITAMIN A EQUIV	IU/G	30.5	32.9	

CAREX SPP, SEDGE

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CAREX SPP, AERIAL PART, FRESH, (2)				
REF NO 2-04-195				
DRY MATTER	%	42.9	100.0	2
ORGANIC MATTER	%	40.3	93.8	
ASH	%	2.6	6.2	36 6
CRUDE FIBER	%	11.8	27.4	2
ETHER EXTRACT	%	1.7	4.0	3
NITROGEN FREE EXTRACT	%	22.8	53.1	2
PROTEIN	%	4.0	9.4	18 6
CATTLE DIG PROT % *		2.5	5.8	
GOATS DIG PROT % *		2.3	5.3	
HORSES DIG PROT % *		2.4	5.5	
RABBITS DIG PROT % *		2.5	5.9	
SHEEP DIG PROT % *		2.5	5.7	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		1.48	3.46	
SHEEP DE MCAL/KG *		1.19	2.76	
CATTLE ME MCAL/KG *		1.22	2.84	
SHEEP ME MCAL/KG *		0.97	2.27	
CATTLE NE-M MCAL/KG *		0.77	1.81	
CATTLE NE-GAIN MCAL/KG *		0.52	1.20	
CATTLE NE-LACTATION MCAL/KG *		0.85	1.99	
CATTLE TDN % *		33.7	78.5	
SHEEP TDN % *		26.9	62.7	
CALCIUM	%	0.33	0.78	35 5
COBALT	MG/KG	0.031	0.073	2
COPPER	MG/KG	3.6	8.3	3
MAGNESIUM	%	0.09	0.21	2

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MANGANESE		MG/KG	67.6	157.7		3
MOLYBDENUM		MG/KG	0.09	0.21		3
PHOSPHORUS		%	0.06	0.14	18	5
ZINC		MG/KG	12.8	29.8		3

CARICA PAPAYA, PAPAYA

CARICA PAPAYA, FRUIT, DEHY, (4)
PAWPAW

REF NO 4-10-482

DRY MATTER		%	91.3	100.0	1
ORGANIC MATTER		%	87.1	95.4	
ASH		%	4.2	4.6	1
CRUDE FIBER		%	7.0	7.7	1
ETHER EXTRACT		%	1.3	1.4	1
NITROGEN FREE EXTRACT		%	72.2	79.1	1
PROTEIN		%	6.6	7.2	1
CATTLE	DIG PROT	% *	2.4	2.7	
GOATS	DIG PROT	% *	3.5	3.9	
HORSES	DIG PROT	% *	3.5	3.9	
SHEEP	DIG PROT	% *	3.5	3.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.81	3.07	
SHEEP	DE	MCAL/KG *	3.30	3.61	
SWINE	DE	KCAL/KG *	3367.	3688.	
CATTLE	ME	MCAL/KG *	2.30	2.52	
SHEEP	ME	MCAL/KG *	2.71	2.96	
SWINE	ME	KCAL/KG *	3183.	3486.	
CATTLE	NE-M	MCAL/KG *	1.40	1.54	
CATTLE	NE-GAIN	MCAL/KG *	0.88	0.97	
CATTLE	NE-LACTATION	MCAL/KG *	1.54	1.69	
CATTLE	TDN	% *	63.7	69.7	
SHEEP	TDN	% *	74.8	82.0	
SWINE	TDN	% *	76.4	83.6	
CALCIUM		%	0.37	0.41	1
MAGNESIUM		%	0.10	0.11	1

CARICA PAPAYA, FRUIT, FRESH, (4)
PAWPAW

REF NO 4-10-483

DRY MATTER		%	9.1	100.0	1
ORGANIC MATTER		%	8.4	92.5	
ASH		%	0.7	7.5	1
CRUDE FIBER		%	0.9	9.5	1
ETHER EXTRACT		%	0.1	1.0	1
NITROGEN FREE EXTRACT		%	6.6	73.0	1
PROTEIN		%	0.8	9.0	1
CATTLE	DIG PROT	% *	0.4	4.3	
GOATS	DIG PROT	% *	0.5	5.5	
HORSES	DIG PROT	% *	0.5	5.5	
SHEEP	DIG PROT	% *	0.5	5.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.24	2.41	
SHEEP	DE	MCAL/KG *	0.32	3.46	
SWINE	DE	KCAL/KG *	309.	3400.	
CATTLE	ME	MCAL/KG *	0.19	2.14	
SHEEP	ME	MCAL/KG *	0.26	2.84	
SWINE	ME	KCAL/KG *	291.	3202.	
CATTLE	NE-M	MCAL/KG *	0.12	1.26	
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.63	
CATTLE	NE-LACTATION	MCAL/KG *	0.12	1.32	
CATTLE	TDN	% *	5.4	59.1	
SHEEP	TDN	% *	7.2	78.6	
SWINE	TDN	% *	7.0	77.1	

CARICA PAPAYA, FRUIT, FRESH, MATURE, (4)

REF NO 4-17-683

DRY MATTER		%	13.1	100.0	2
ORGANIC MATTER		%	12.5	95.5	
ASH		%	0.6	4.5	2
CRUDE FIBER		%	0.7	5.0	2
ETHER EXTRACT		%	0.1	0.8	2
NITROGEN FREE EXTRACT		%	11.3	85.9	
PROTEIN		%	0.5	3.8	2
CATTLE	DIG PROT	% *	-0.1	-0.5	
GOATS	DIG PROT	% *	0.1	0.8	
HORSES	DIG PROT	% *	0.1	0.8	
SHEEP	DIG PROT	% *	0.1	0.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.43	3.29	
SHEEP	DE	MCAL/KG *	0.48	3.69	
SWINE	DE	KCAL/KG *	510.	3894.	
CATTLE	ME	MCAL/KG *	0.35	2.70	
SHEEP	ME	MCAL/KG *	0.40	3.03	
SWINE	ME	KCAL/KG *	486.	3708.	
CATTLE	NE-M	MCAL/KG *	0.22	1.68	
CATTLE	NE-GAIN	MCAL/KG *	0.14	1.10	
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.85	
CATTLE	TDN	% *	9.8	74.6	
SHEEP	TDN	% *	11.0	83.8	
SWINE	TDN	% *	11.6	88.3	
CALCIUM		%	0.02	0.15	2
IRON		%	0.001	0.007	1
PHOSPHORUS		%	0.02	0.15	2
ASCORBIC ACID		MG/KG	481.8	3677.7	1
NIACIN		MG/KG	3.2	24.7	2
RIBOFLAVIN		MG/KG	0.4	3.1	2
THIAMINE		MG/KG	0.3	2.3	2
VITAMIN A EQUIV		IU/G	18.3	140.0	

CARTHAMUS TINCTORIUS, SAFFLOWER

CARTHAMUS TINCTORIUS, AERIAL PART, S-C, DOUGH STAGE, (1)

REF NO 1-11-765

DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.3	
ASH		%		6.7	1
CRUDE FIBER		%		39.7	1
ETHER EXTRACT		%		4.8	1
NITROGEN FREE EXTRACT		%		29.4	1
PROTEIN		%		19.4	1
CATTLE	DIG PROT	% *		13.7	
GOATS	DIG PROT	% *		14.6	
HORSES	DIG PROT	% *		14.0	
RABBITS	DIG PROT	% *		13.6	
SHEEP	DIG PROT	% *		13.9	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		2.30	
SHEEP	ME	MCAL/KG *		1.89	
SHEEP	TDN	% *		52.2	

CARTHAMUS TINCTORIUS, HULLS, (1)

REF NO 1-04-105

DRY MATTER		%	94.8	100.0	2
ORGANIC MATTER		%	89.1	94.0	
ASH		%	5.7	6.0	2
CRUDE FIBER		%	46.5	49.0	2
ETHER EXTRACT		%	1.4	1.5	2
NITROGEN FREE EXTRACT		%	20.6	21.7	2
PROTEIN		%	20.7	21.8	2
CATTLE	DIG PROT	% *	15.0	15.8	
GOATS	DIG PROT	% *	16.0	16.9	
HORSES	DIG PROT	% *	15.2	16.0	
RABBITS	DIG PROT	% *	14.7	15.5	
SHEEP	DIG PROT	% *	15.3	16.1	

CARTHAMUS TINCTORIUS, SEEDS, (4)

REF NO 4-07-958

DRY MATTER		%	92.8	100.0	1	17
ORGANIC MATTER		%	89.5	96.4		
ASH		%	3.3	3.6	23	9
CRUDE FIBER		%	19.2	20.6	28	8
ETHER EXTRACT		%	34.8	37.5	9	17
NITROGEN FREE EXTRACT		%	21.3	23.0	14	5
PROTEIN		%	14.2	15.3	15	18
CATTLE	DIG PROT	% *	9.3	10.0		
GOATS	DIG PROT	% *	10.4	11.2		
HORSES	DIG PROT	% *	10.4	11.2		
SHEEP	DIG PROT	% *	10.4	11.2		
FATTY ACIDS		%				
LINOLEIC		%	4.387	4.726		1
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.62	3.90		
CHICKENS	ME-N	KCAL/KG	808.	870.		1
SHEEP	ME	MCAL/KG *	2.97	3.20		
SHEEP	TDN	% *	(82.2)	(88.5)		
CALCIUM		%	(0.25)	(0.27)		3
MANGANESE		MG/KG	(17.9)	(19.3)		1
PHOSPHORUS		%	(0.55)	(0.60)		3
CHICKENS, CHICKS AVAILABLE		%	(0.17)	(0.19)		2
POTASSIUM		%	(0.72)	(0.77)		1
SODIUM		%	(0.05)	(0.05)		1
ZINC		MG/KG	(39.9)	(43.0)		1
A-TOCOPHEROL		MG/KG	(1.0)	(1.1)		1
BIOTIN		MG/KG	(1.40)	(1.50)		1
CHOLINE		MG/KG	(2593.)	(2793.)		1
FOLIC ACID		MG/KG	(0.44)	(0.47)		1
NIACIN		MG/KG	(49.4)	(53.2)		2
PANTOTHENIC ACID		MG/KG	(28.2)	(30.4)		2
RIBOFLAVIN		MG/KG	(3.2)	(3.4)		2
ARGININE		%	(1.64)	(1.77)		2
CYSTINE		%	(0.30)	(0.32)		2
GLYCINE		%	(1.24)	(1.34)		2
HISTIDINE		%	(0.48)	(0.52)		1
ISOLEUCINE		%	(0.80)	(0.86)		1
LEUCINE		%	(1.20)	(1.29)		1
LYSINE		%	(0.60)	(0.64)		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
METHIONINE	%	(0.33)	(0.36)		2
PHENYLALANINE	%	(1.00)	(1.07)		1
THREONINE	%	(0.64)	(0.69)		1
TRYPTOPHAN	%	(0.27)	(0.29)		2
VALINE	%	1.00	1.07		1

CARTHAMUS TINCTORIUS, SEEDS, COOKED PREPRESSED SOLV EXTD GRND, (5)

REF NO 3-13-206

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.4	100.0	1	98
ORGANIC MATTER	%	63.9	70.7		
ASH	%	26.5	29.3		1
CRUDE FIBER	%	37.5	41.5	10	98
ETHER EXTRACT	%	1.2	1.3	89	24
NITROGEN FREE EXTRACT	%	5.3	5.9		1
PROTEIN	%	20.0	22.1	16	98
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.59	0.65		
SHEEP	ME MCAL/KG *	0.48	0.53		
SHEEP	TDN % *	13.3	14.7		

CARTHAMUS TINCTORIUS, SEEDS, EXTN UNSPECIFIED GRND, (5)

REF NO 5-04-108

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.1	100.0	1	25
ORGANIC MATTER	%	86.7	93.2		
ASH	%	6.3	6.8	19	25
CRUDE FIBER	%	31.7	34.1		2
PROTEIN	%	31.8	34.2	24	25

CARTHAMUS TINCTORIUS, SEEDS, MECH EXTD GRND, (5)
SAFFLOWER SEED, MECHANICAL EXTRACTED (AAFCO)
SAFFLOWER OIL MEAL, EXPELLER EXTRACTED
SAFFLOWER OIL MEAL, HYDRAULIC EXTRACTED

REF NO 5-04-109

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.8	100.0	2	10
ORGANIC MATTER	%	86.2	93.9		
ASH	%	5.6	6.1	51	10
CRUDE FIBER	%	34.7	37.8	30	9
SHEEP	DIG COEF %	22.	22.		1
ETHER EXTRACT	%	3.1	3.3	89	10
SHEEP	DIG COEF %	57.	57.		1
NITROGEN FREE EXTRACT	%	24.7	26.9	19	9
SHEEP	DIG COEF % *	49.	49.		
PROTEIN	%	23.8	25.9	33	10
SHEEP	DIG COEF %	83.	83.		1
SHEEP	DIG PROT %	19.7	21.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.01	2.19		
SHEEP	DE MCAL/KG *	2.29	2.49		
CATTLE	ME MCAL/KG *	1.65	1.80		
SHEEP	ME MCAL/KG *	1.88	2.05		
CATTLE	NE-M MCAL/KG *	0.98	1.06		
CATTLE	NE-GAIN MCAL/KG *	0.24	0.26		
CATTLE	NE-LACTATION MCAL/KG *	0.91	1.00		
CATTLE	TDN % *	45.6	49.7		
SHEEP	TDN %	(51.9)	(56.6)		1
CALCIUM	%	(0.24)	(0.26)		3
COPPER	MG/KG	(9.8)	(10.7)		2
IRON	%	(0.048)	(0.052)		2
MAGNESIUM	%	(0.33)	(0.36)		2
MANGANESE	MG/KG	(18.0)	(19.6)		2
PHOSPHORUS	%	(0.64)	(0.70)		3
POTASSIUM	%	(0.73)	(0.79)		2
SODIUM	%	(0.05)	(0.06)		2
SULPHUR	%	(0.05)	(0.06)		1
ZINC	MG/KG	(40.3)	(43.9)		2
A-TOCOPHEROL	MG/KG	(0.9)	(1.0)		1
BIOTIN	MG/KG	(1.41)	(1.54)		1
CHOLINE	MG/KG	(1159.)	(1263.)		2
FOLIC ACID	MG/KG	(0.44)	(0.48)		1
NIACIN	MG/KG	(49.8)	(54.3)		2
PANTOTHENIC ACID	MG/KG	(27.9)	(30.4)		2
RIBOFLAVIN	MG/KG	(10.3)	(11.2)		2
ARGININE	%	(1.45)	(1.58)	19	4
CYSTINE	%	(0.62)	(0.68)		3
GLYCINE	%	(1.29)	(1.40)		2
HISTIDINE	%	(0.44)	(0.48)		1
ISOLEUCINE	%	(0.57)	(0.62)		2
LEUCINE	%	(1.22)	(1.33)		1
LYSINE	%	(0.65)	(0.71)	10	4
METHIONINE	%	(0.37)	(0.40)	10	4
PHENYLALANINE	%	(1.16)	(1.26)		1
THREONINE	%	(0.56)	(0.61)		2
TRYPTOPHAN	%	(0.28)	(0.31)	9	4
VALINE	%	1.09	1.19		1

CARTHAMUS TINCTORIUS, SEEDS, PREPRESSED SOLV EXTD GRND, (5)

REF NO 5-13-304

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.4	100.0	2	4
ORGANIC MATTER	%	86.7	94.9		
ASH	%	4.7	5.1		3
CRUDE FIBER	%	38.7	42.4		3
ETHER EXTRACT	%	0.7	0.8		3
NITROGEN FREE EXTRACT	%	26.5	29.0		3
PROTEIN	%	20.8	22.7	15	4
CALCIUM	%	0.42	0.45		1
PHOSPHORUS	%	0.79	0.87		1

CARTHAMUS TINCTORIUS, SEEDS, SOLV EXTD GRND, (5)
SAFFLOWER SEED, SOLVENT EXTRACTED (AAFCO)
SAFFLOWER OIL MEAL, SOLVENT EXTRACTED

REF NO 5-04-110

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.5	100.0	1	15
ORGANIC MATTER	%	88.2	95.4		
ASH	%	4.3	4.6	8	4
CRUDE FIBER	%	44.7	48.4	9	4
ETHER EXTRACT	%	0.5	0.5	98	5
NITROGEN FREE EXTRACT	%	19.8	21.4	5	4
PROTEIN	%	23.2	25.1	13	15
LYSINE	%	0.77	0.84	11	6
METHIONINE	%	0.21	0.22	35	6

CARTHAMUS TINCTORIUS, SEEDS NO HULLS, MECH EXTD GRND, (5)

REF NO 5-08-499

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.3	100.0	1	5
ORGANIC MATTER	%	84.3	91.3		
ASH	%	8.0	8.7	8	5
PROTEIN	%	36.7	39.7	8	5
CALCIUM	%	0.69	0.75		1
PHOSPHORUS	%	1.22	1.32		1

CARTHAMUS TINCTORIUS, SEEDS NO HULLS, SOLV EXTD GRND, (5)
SAFFLOWER MEAL WITHOUT HULLS

REF NO 5-07-959

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.2	100.0		1
ORGANIC MATTER	%	87.5	94.9		
ASH	%	4.7	5.1		1
CRUDE FIBER	%	3.6	3.9		1
ETHER EXTRACT	%	0.6	0.7		1
NITROGEN FREE EXTRACT	%	61.2	66.4		1
PROTEIN	%	22.1	24.0		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	3.53	3.82		
SHEEP	ME MCAL/KG *	2.89	3.14		
SHEEP	TDN % *	80.0	86.7		

CARTHAMUS TINCTORIUS, SEEDS NO HULLS, SOLV EXTD GRND CAKED, (5)

REF NO 5-13-374

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.3		
ASH	%		6.7		2
CRUDE FIBER	%		7.9		2
ETHER EXTRACT	%		0.5		2
NITROGEN FREE EXTRACT	%		66.3		2
PROTEIN	%		18.7		2
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		3.53		
SHEEP	ME MCAL/KG *		2.89		
SHEEP	TDN % *		80.0		

CARTHAMUS TINCTORIUS, SEEDS W SOME HULLS, MECH EXTD GRND, (5)

REF NO 5-08-500

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.5	100.0		1
ORGANIC MATTER	%	82.8	90.5		
ASH	%	8.7	9.5		1
CRUDE FIBER	%	17.6	19.2		1
ETHER EXTRACT	%	2.4	2.6		1
NITROGEN FREE EXTRACT	%	30.7	33.6		1
PROTEIN	%	32.1	35.1		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.20	2.40		
SHEEP	DE MCAL/KG *	2.65	2.90		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	ME MCAL/KG *	1.80	1.97		
SHEEP	ME MCAL/KG *	2.17	2.37		
CATTLE	NE-M MCAL/KG *	1.06	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.42	0.46		
CATTLE	NE-LACTATION MCAL/KG *	1.06	1.16		
CATTLE	TDN % *	49.9	54.5		
SHEEP	TDN % *	60.1	65.7		

CASEIN, DRIED
=SEE BOS SPP, CASEIN, MILK ACID PRECIPITATED DEHY, MN 80% PROTEIN, (5)

CASEIN (AAFCO)
=SEE BOS SPP, CASEIN, MILK ACID PRECIPITATED DEHY, MN 80% PROTEIN, (5)

CASSAVA MEAL
=SEE MANIHOT SPP, ROOTS, DEHY GRND, (4)

CASSIA OCCIDENTALIS, SENNA, COFFEE

CASSIA OCCIDENTALIS COFFEE, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-918

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.5	100.0		1
ORGANIC MATTER	%	30.7	91.5		1
ASH	%	2.8	8.5		1
CRUDE FIBER	%	9.0	26.8		1
ETHER EXTRACT	%	0.6	1.7		1
NITROGEN FREE EXTRACT	%	14.1	42.0		1
PROTEIN	%	7.0	21.0		1
CATTLE	DIG PROT % *	5.3	15.7		
GOATS	DIG PROT % *	5.4	16.2		
HORSES	DIG PROT % *	5.1	15.4		
RABBITS	DIG PROT % *	5.0	14.9		
SHEEP	DIG PROT % *	5.5	16.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.95	2.84		
SHEEP	DE MCAL/KG *	0.94	2.80		
CATTLE	ME MCAL/KG *	0.78	2.33		
SHEEP	ME MCAL/KG *	0.77	2.29		
CATTLE	NE-M MCAL/KG *	0.47	1.39		
CATTLE	NE-GAIN MCAL/KG *	0.27	0.81		
CATTLE	NE-LACTATION MCAL/KG *	0.50	1.50		
CATTLE	TDN % *	21.6	64.4		
SHEEP	TDN % *	21.3	63.4		
CALCIUM	%	0.45	1.34		1
PHOSPHORUS	%	0.14	0.42		1

CASSIA SPECTABILIS, SENNA, SPECTABILIS

CASSIA SPECTABILIS SPECTABILIS, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-13-919

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.0	100.0		1
ORGANIC MATTER	%	24.5	84.5		1
ASH	%	4.5	15.5		1
CRUDE FIBER	%	7.1	24.4		1
ETHER EXTRACT	%	0.8	2.7		1
NITROGEN FREE EXTRACT	%	11.5	39.8		1
PROTEIN	%	5.1	17.6		1
CATTLE	DIG PROT % *	3.7	12.9		
GOATS	DIG PROT % *	3.8	13.0		
HORSES	DIG PROT % *	3.6	12.5		
RABBITS	DIG PROT % *	3.6	12.3		
SHEEP	DIG PROT % *	3.9	13.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.72	2.50		
SHEEP	DE MCAL/KG *	0.77	2.66		
CATTLE	ME MCAL/KG *	0.59	2.05		
SHEEP	ME MCAL/KG *	0.63	2.18		
CATTLE	NE-M MCAL/KG *	0.35	1.21		
CATTLE	NE-GAIN MCAL/KG *	0.16	0.54		
CATTLE	NE-LACTATION MCAL/KG *	0.36	1.24		
CATTLE	TDN % *	16.4	56.7		
SHEEP	TDN % *	17.5	60.3		
CALCIUM	%	0.78	2.69		1
PHOSPHORUS	%	0.10	0.36		1

CASSIA SPP, SENNA

CASSIA SPP, BROWSE, FRESH, (2)

REF NO 2-13-634

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.2		
ASH	%		4.8	37	4
CRUDE FIBER	%		22.4	19	4
ETHER EXTRACT	%		4.2	27	4
NITROGEN FREE EXTRACT	%		49.9	7	4
PROTEIN	%		18.9	10	4
CATTLE	DIG PROT % *		13.9		
GOATS	DIG PROT % *		14.1		
HORSES	DIG PROT % *		13.5		
RABBITS	DIG PROT % *		13.2		
SHEEP	DIG PROT % *		14.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.89		
SHEEP	DE MCAL/KG *		3.10		
CATTLE	ME MCAL/KG *		3.19		
SHEEP	ME MCAL/KG *		2.55		
CATTLE	NE-M MCAL/KG *		2.16		
CATTLE	NE-GAIN MCAL/KG *		1.42		
CATTLE	NE-LACTATION MCAL/KG *		2.32		
CATTLE	TDN % *		88.2		
SHEEP	TDN % *		70.4		

CASSIA TORA, SENNA, SICKLE

CASSIA TORA SICKLE, AERIAL PART, FRESH, (2)

REF NO 2-11-340

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.0		
ASH	%		7.0		1
CRUDE FIBER	%		62.4		1
ETHER EXTRACT	%		1.0		1
NITROGEN FREE EXTRACT	%		12.4		1
PROTEIN	%		17.2		1
CATTLE	DIG PROT % *		12.5		
GOATS	DIG PROT % *		12.6		
HORSES	DIG PROT % *		12.1		
RABBITS	DIG PROT % *		11.9		
SHEEP	DIG PROT % *		13.0		

CASSIA TORA SICKLE, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-13-266

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.3	100.0		1
ORGANIC MATTER	%	23.3	92.2		
ASH	%	2.0	7.8		1
CRUDE FIBER	%	7.6	30.0		1
ETHER EXTRACT	%	1.0	3.8		1
NITROGEN FREE EXTRACT	%	11.6	46.0		1
PROTEIN	%	3.1	12.4		1
CATTLE	DIG PROT % *	2.1	8.4		
GOATS	DIG PROT % *	2.1	8.1		
HORSES	DIG PROT % *	2.0	8.1		
RABBITS	DIG PROT % *	2.1	8.2		
SHEEP	DIG PROT % *	2.2	8.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.74	2.91		
SHEEP	DE MCAL/KG *	0.69	2.73		
CATTLE	ME MCAL/KG *	0.60	2.38		
SHEEP	ME MCAL/KG *	0.57	2.24		
CATTLE	NE-M MCAL/KG *	0.36	1.43		
CATTLE	NE-GAIN MCAL/KG *	0.22	0.85		
CATTLE	NE-LACTATION MCAL/KG *	0.39	1.55		
CATTLE	TDN % *	16.7	65.9		
SHEEP	TDN % *	15.7	62.0		
CALCIUM	%	0.59	2.35		1
PHOSPHORUS	%	0.06	0.23		1

CASSIA TORA SICKLE, BROWSE, FRESH, (2)

REF NO 2-11-444

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.9	100.0		1
ORGANIC MATTER	%	26.0	96.6		
ASH	%	0.9	3.4		1
CRUDE FIBER	%	7.9	29.2		1
ETHER EXTRACT	%	0.9	3.2		1
NITROGEN FREE EXTRACT	%	12.6	46.8		1
PROTEIN	%	4.7	17.4		1
CATTLE	DIG PROT % *	3.4	12.7		
GOATS	DIG PROT % *	3.4	12.8		
HORSES	DIG PROT % *	3.3	12.3		
RABBITS	DIG PROT % *	3.3	12.1		
SHEEP	DIG PROT % *	3.6	13.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.84	3.14		
SHEEP	DE MCAL/KG *	0.79	2.92		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	ME MCAL/KG *	0.69	2.57	
SHEEP	ME MCAL/KG *	0.64	2.40	
CATTLE	NE-M MCAL/KG *	0.42	1.58	
CATTLE	NE-GAIN MCAL/KG *	0.27	1.01	
CATTLE	NE-LACTATION MCAL/KG *	0.47	1.74	
CATTLE	TDN % *	19.2	71.2	
SHEEP	TDN % *	17.8	66.3	

CASTANEA SPP. CHESTNUT

CASTANEA SPP. BROWSE. FRESH. (2)

REF NO 2-11-440

DRY MATTER	%	26.7	100.0	1
CRUDE FIBER	%	9.8	36.7	1
PROTEIN	%	2.0	7.5	1
CATTLE	DIG PROT % *	1.1	4.3	
GOATS	DIG PROT % *	0.9	3.5	
HORSES	DIG PROT % *	1.0	3.9	
RABBITS	DIG PROT % *	1.2	4.5	
SHEEP	DIG PROT % *	1.1	4.0	

CASTELA TEXANA. CASTELA. ALLTHORN

CASTELA TEXANA ALLTHORN. BROWSE. FRESH. (2)

REF NO 2-11-463

DRY MATTER	%	55.1	100.0	1
ORGANIC MATTER	%	52.5	95.3	
ASH	%	2.6	4.8	2
CRUDE FIBER	%	10.0	18.2	2
ETHER EXTRACT	%	1.7	3.1	2
NITROGEN FREE EXTRACT	%	35.2	63.9	2
PROTEIN	%	5.6	10.2	2
CATTLE	DIG PROT % *	3.6	6.5	
GOATS	DIG PROT % *	3.3	6.0	
HORSES	DIG PROT % *	3.4	6.1	
RABBITS	DIG PROT % *	3.6	6.5	
SHEEP	DIG PROT % *	3.6	6.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.34	4.25	
SHEEP	DE MCAL/KG *	1.76	3.19	
CATTLE	ME MCAL/KG *	1.92	3.48	
SHEEP	ME MCAL/KG *	1.44	2.61	
CATTLE	NE-M MCAL/KG *	1.38	2.51	
CATTLE	NE-GAIN MCAL/KG *	0.87	1.58	
CATTLE	NE-LACTATION MCAL/KG *	1.43	2.60	
CATTLE	TDN % *	53.1	96.4	
SHEEP	TDN % *	39.9	72.3	

CASTELA TEXANA ALLTHORN. LEAVES. FRESH. (2)

REF NO 2-11-464

DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.7	
ASH	%		6.3	1
CRUDE FIBER	%		16.0	1
ETHER EXTRACT	%		4.8	1
NITROGEN FREE EXTRACT	%		66.7	1
PROTEIN	%		6.2	1
CATTLE	DIG PROT % *		3.2	
GOATS	DIG PROT % *		2.3	
HORSES	DIG PROT % *		2.8	
RABBITS	DIG PROT % *		3.5	
SHEEP	DIG PROT % *		2.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		5.99	
SHEEP	DE MCAL/KG *		3.06	
CATTLE	ME MCAL/KG *		4.91	
SHEEP	ME MCAL/KG *		2.51	
CATTLE	NE-M MCAL/KG *		5.19	
CATTLE	NE-GAIN MCAL/KG *		2.07	
CATTLE	NE-LACTATION MCAL/KG *		3.96	
CATTLE	TDN % *		135.8	
SHEEP	TDN % *		69.5	

CASTILLA ELASTICA. GUMTREE. PANAMA

CASTILLA ELASTICA PANAMA. SEEDS. DEHY GRND. (5)

REF NO 5-11-451

DRY MATTER	%	90.5	100.0	1
ORGANIC MATTER	%	84.5	93.4	1
ASH	%	6.0	6.6	1
CRUDE FIBER	%	7.7	8.5	1
ETHER EXTRACT	%	1.8	2.0	1
NITROGEN FREE EXTRACT	%	39.6	43.8	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
PROTEIN	%	35.4	39.1	1
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.20	3.53	
SHEEP	DE MCAL/KG *	3.17	3.50	
CATTLE	ME MCAL/KG *	2.62	2.90	
SHEEP	ME MCAL/KG *	2.60	2.87	
CATTLE	NE-M MCAL/KG *	1.68	1.86	
CATTLE	NE-GAIN MCAL/KG *	1.12	1.24	
CATTLE	NE-LACTATION MCAL/KG *	1.85	2.04	
CATTLE	TDN % *	72.5	80.1	
SHEEP	TDN % *	71.8	79.3	

CECROPIA FERREYRAE. PUMPWOOD. FERREYRAE

CECROPIA FERREYRAE FERREYRAE. LEAVES. FRESH. REGROWTH EARLY VEGETATIVE. (2)

REF NO 2-11-442

DRY MATTER	%	18.4	100.0	1
ORGANIC MATTER	%	16.6	90.2	
ASH	%	1.8	9.8	1
CRUDE FIBER	%	5.5	29.9	1
ETHER EXTRACT	%	0.5	2.7	1
NITROGEN FREE EXTRACT	%	6.9	37.5	1
PROTEIN	%	3.7	20.1	1
CATTLE	DIG PROT % *	2.8	15.0	
GOATS	DIG PROT % *	2.8	15.3	
HORSES	DIG PROT % *	2.7	14.6	
RABBITS	DIG PROT % *	2.6	14.2	
SHEEP	DIG PROT % *	2.9	15.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.50	2.70	
SHEEP	DE MCAL/KG *	0.51	2.76	
CATTLE	ME MCAL/KG *	0.41	2.22	
SHEEP	ME MCAL/KG *	0.42	2.27	
CATTLE	NE-M MCAL/KG *	0.24	1.32	
CATTLE	NE-GAIN MCAL/KG *	0.13	0.70	
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.39	
CATTLE	TDN % *	11.3	61.3	
SHEEP	TDN % *	11.5	62.7	
PHOSPHORUS	%	0.04	0.22	1

CECROPIA SPP. PUMPWOOD

CECROPIA SPP. AERIAL PART. FRESH. (2)

REF NO 2-10-477

DRY MATTER	%	22.6	100.0	8	5
ORGANIC MATTER	%	20.3	89.9		
ASH	%	2.3	10.1	25	5
CRUDE FIBER	%	5.8	25.6	29	5
ETHER EXTRACT	%	0.7	3.2	8	5
NITROGEN FREE EXTRACT	%	10.1	44.6	17	5
PROTEIN	%	3.7	16.4	15	5
CATTLE	DIG PROT % *	2.7	11.8		
GOATS	DIG PROT % *	2.7	11.9		
HORSES	DIG PROT % *	2.6	11.5		
RABBITS	DIG PROT % *	2.6	11.3		
SHEEP	DIG PROT % *	2.8	12.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.65	2.88		
SHEEP	DE MCAL/KG *	0.63	2.80		
CATTLE	ME MCAL/KG *	0.53	2.36		
SHEEP	ME MCAL/KG *	0.52	2.30		
CATTLE	NE-M MCAL/KG *	0.32	1.42		
CATTLE	NE-GAIN MCAL/KG *	0.19	0.84		
CATTLE	NE-LACTATION MCAL/KG *	0.35	1.54		
CATTLE	TDN % *	14.8	65.4		
SHEEP	TDN % *	14.4	63.6		
CALCIUM	%	0.28	1.25		2
COPPER	MG/KG	4.5	20.0		2
IRON	%	0.005	0.024		2
MAGNESIUM	%	0.11	0.48		2
MANGANESE	MG/KG	109.6	484.6		2
PHOSPHORUS	%	0.05	0.20		1

CECROPIA SPP. LEAVES. FRESH. (2)

REF NO 2-10-478

DRY MATTER	%	28.6	100.0	3
ORGANIC MATTER	%	26.4	92.4	
ASH	%	2.2	7.6	3
CRUDE FIBER	%	5.9	20.7	3
ETHER EXTRACT	%	0.7	2.6	3
NITROGEN FREE EXTRACT	%	14.5	50.5	3
PROTEIN	%	5.3	18.6	3
CATTLE	DIG PROT % *	3.9	13.7	
GOATS	DIG PROT % *	4.0	13.9	
HORSES	DIG PROT % *	3.8	13.3	
RABBITS	DIG PROT % *	3.7	13.0	
SHEEP	DIG PROT % *	4.1	14.3	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.93	3.26		
SHEEP	DE MCAL/KG *	0.86	3.01		
CATTLE	ME MCAL/KG *	0.76	2.67		
SHEEP	ME MCAL/KG *	0.71	2.47		
CATTLE	NE-M MCAL/KG *	0.47	1.66		
CATTLE	NE-GAIN MCAL/KG *	0.31	1.08		
CATTLE	NE-LACTATION MCAL/KG *	0.52	1.83		
CATTLE	TDN % *	21.1	73.9		
SHEEP	TDN % *	19.5	68.3		
CALCIUM	%	0.23	0.80		1
COPPER	MG/KG	37.3	130.3		1
IRON	%	0.002	0.008		1
MAGNESIUM	%	0.08	0.27		1
MANGANESE	MG/KG	91.7	320.5		1
PHOSPHORUS	%	0.05	0.19		1

CECROPIA SPP, STEMS, FRESH, (2)

REF NO 2-10-479

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	14.2	100.0		1
ORGANIC MATTER	%	13.1	92.3		
ASH	%	1.1	7.7		1
CRUDE FIBER	%	7.8	54.9		1
ETHER EXTRACT	%	0.2	1.4		1
NITROGEN FREE EXTRACT	%	3.9	27.5		1
PROTEIN	%	1.2	8.5		1
CATTLE	DIG PROT % *	0.7	5.1		
GOATS	DIG PROT % *	0.6	4.4		
HORSES	DIG PROT % *	0.7	4.7		
RABBITS	DIG PROT % *	0.7	5.2		
SHEEP	DIG PROT % *	0.7	4.9		
CALCIUM	%	0.11	0.77		1
COPPER	MG/KG	2.8	19.7		1
IRON	%	0.001	0.007		1
MAGNESIUM	%	0.05	0.35		1
MANGANESE	MG/KG	48.9	344.4		1
PHOSPHORUS	%	0.02	0.14		1

CELTIS SPINOSA, HACKBERRY, SPINOSA

CELTIS SPINOSA SPINOSA, BROWSE, FRESH, (2)

REF NO 2-11-434

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	56.9	100.0		1
ORGANIC MATTER	%	44.8	78.7		
ASH	%	12.1	21.3	30	9
CRUDE FIBER	%	5.7	10.0	39	9
ETHER EXTRACT	%	3.0	5.3	38	9
NITROGEN FREE EXTRACT	%	25.2	44.4	26	9
PROTEIN	%	10.9	19.1	30	9
CATTLE	DIG PROT % *	8.0	14.1		
GOATS	DIG PROT % *	8.2	14.4		
HORSES	DIG PROT % *	7.8	13.7		
RABBITS	DIG PROT % *	7.6	13.4		
SHEEP	DIG PROT % *	8.4	14.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.67	2.94		
SHEEP	DE MCAL/KG *	1.67	2.94		
CATTLE	ME MCAL/KG *	1.37	2.41		
SHEEP	ME MCAL/KG *	1.37	2.41		
CATTLE	NE-M MCAL/KG *	0.83	1.46		
CATTLE	NE-GAIN MCAL/KG *	0.50	0.88		
CATTLE	NE-LACTATION MCAL/KG *	0.90	1.58		
CATTLE	TDN % *	38.0	66.8		
SHEEP	TDN % *	37.9	66.7		

CENCHRUS BIFLORUS, SANDBUR, INDIA

CENCHRUS BIFLORUS INDIA, AERIAL PART, FRESH, (2)

REF NO 2-11-447

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.0	100.0		1
ORGANIC MATTER	%	28.5	81.5		1
ASH	%	6.5	18.5		1
CRUDE FIBER	%	11.5	32.8		1
ETHER EXTRACT	%	1.0	2.8		1
NITROGEN FREE EXTRACT	%	13.4	38.2		1
PROTEIN	%	2.7	7.7		1
CATTLE	DIG PROT % *	1.5	4.4		
GOATS	DIG PROT % *	1.3	3.7		
HORSES	DIG PROT % *	1.4	4.1		
RABBITS	DIG PROT % *	1.6	4.6		
SHEEP	DIG PROT % *	1.5	4.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.70	2.01		
SHEEP	DE MCAL/KG *	0.82	2.36		
CATTLE	ME MCAL/KG *	0.58	1.65		
SHEEP	ME MCAL/KG *	0.68	1.93		
CATTLE	NE-M MCAL/KG *	0.34	0.98		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.08		
CATTLE	NE-LACTATION MCAL/KG *	0.30	0.85		
CATTLE	TDN % *	15.9	45.5		
SHEEP	TDN % *	18.7	53.4		
CALCIUM	%	0.03	0.08		1
IRON	%	0.023	0.065		1
PHOSPHORUS	%	0.06	0.17		1
VITAMIN A EQUIV	IU/G	5.1	14.4		

CENCHRUS CILIARIS, SANDBUR, CILIARIS

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, (2)

REF NO 2-11-368

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.0	100.0		3
ORGANIC MATTER	%	24.3	90.2	17	3
ASH	%	2.5	9.3	17	4
CRUDE FIBER	%	11.1	41.2	14	4
ETHER EXTRACT	%	0.7	2.8	50	4
NITROGEN FREE EXTRACT	%	10.3	38.0	8	4
PROTEIN	%	2.3	8.7	61	4
CATTLE	DIG PROT % *	1.4	5.3		
GOATS	DIG PROT % *	1.3	4.7		
HORSES	DIG PROT % *	1.3	4.9		
RABBITS	DIG PROT % *	1.5	5.4		
SHEEP	DIG PROT % *	1.4	5.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.54	2.02		
SHEEP	DE MCAL/KG *	0.67	2.49		
CATTLE	ME MCAL/KG *	0.45	1.65		
SHEEP	ME MCAL/KG *	0.55	2.04		
CATTLE	NE-M MCAL/KG *	0.27	0.99		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.09		
CATTLE	NE-LACTATION MCAL/KG *	0.23	0.86		
CATTLE	TDN % *	12.4	45.8		
SHEEP	TDN % *	15.2	56.4		
CALCIUM	%	0.01	0.04		3
IRON	%	0.001	0.004		3
PHOSPHORUS	%	0.03	0.10		3
VITAMIN A EQUIV	IU/G	3.3	12.2		

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-366

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.6	100.0	12	8
ORGANIC MATTER	%	17.2	87.8	16	8
ASH	%	2.4	12.2	16	8
CRUDE FIBER	%	6.4	32.7	4	9
ETHER EXTRACT	%	0.6	3.0	28	9
NITROGEN FREE EXTRACT	%	8.0	40.9	9	8
PROTEIN	%	2.2	11.3	13	9
CATTLE	DIG PROT % *	1.5	7.5		
GOATS	DIG PROT % *	1.4	7.1		
HORSES	DIG PROT % *	1.4	7.1		
RABBITS	DIG PROT % *	1.4	7.4		
SHEEP	DIG PROT % *	1.5	7.5		
CELL WALLS (VAN SOEST)	%	11.4	58.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.46	2.35		
SHEEP	DE MCAL/KG *	0.50	2.56		
CATTLE	ME MCAL/KG *	0.38	1.93		
SHEEP	ME MCAL/KG *	0.41	2.10		
CATTLE	NE-M MCAL/KG *	0.22	1.14		
CATTLE	NE-GAIN MCAL/KG *	0.08	0.41		
CATTLE	NE-LACTATION MCAL/KG *	0.22	1.12		
CATTLE	TDN % *	10.5	53.3		
SHEEP	TDN % *	11.4	58.0		

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-11-367

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.3	100.0	17	7
ORGANIC MATTER	%	21.5	88.4	11	6
ASH	%	2.8	11.6	11	6
CRUDE FIBER	%	8.1	33.5	11	7
ETHER EXTRACT	%	0.8	3.2	38	7
NITROGEN FREE EXTRACT	%	10.4	42.6	10	6
PROTEIN	%	2.2	9.1	16	7
CATTLE	DIG PROT % *	1.4	5.6		
GOATS	DIG PROT % *	1.2	5.0		
HORSES	DIG PROT % *	1.3	5.2		
RABBITS	DIG PROT % *	1.4	5.7		
SHEEP	DIG PROT % *	1.3	5.5		
CELL WALLS (VAN SOEST)	%	14.2	58.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.56	2.30		
SHEEP	DE MCAL/KG *	0.61	2.52		
CATTLE	ME MCAL/KG *	0.46	1.88		
SHEEP	ME MCAL/KG *	0.50	2.07		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M	MCAL/KG *	0.27	1.11		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.36		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.08		
CATTLE		TDN % *	12.7	52.1		
SHEEP		TDN % *	13.9	57.3		

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-11-361

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.4	100.0	12	8
ORGANIC MATTER		%	19.7	88.0	5	8
ASH		%	2.7	12.0	5	8
CRUDE FIBER		%	8.2	36.6	9	8
ETHER EXTRACT		%	0.6	2.6	23	8
NITROGEN FREE EXTRACT		%	9.2	41.3	3	8
PROTEIN		%	1.7	7.4	30	8
CATTLE	DIG PROT	% *	0.9	4.2		
GOATS	DIG PROT	% *	0.8	3.5		
HORSES	DIG PROT	% *	0.9	3.8		
RABBITS	DIG PROT	% *	1.0	4.4		
SHEEP	DIG PROT	% *	0.9	3.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.11		
SHEEP	DE	MCAL/KG *	0.55	2.44		
CATTLE	ME	MCAL/KG *	0.39	1.73		
SHEEP	ME	MCAL/KG *	0.45	2.00		
CATTLE	NE-M	MCAL/KG *	0.23	1.03		
CATTLE	NE-GAIN	MCAL/KG *	0.04	0.18		
CATTLE	NE-LACTATION	MCAL/KG *	0.21	0.93		
CATTLE		TDN % *	10.7	47.8		
SHEEP		TDN % *	12.4	55.3		

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-920

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.9	100.0	27	24
ORGANIC MATTER		%	26.0	87.0		
ASH		%	3.9	13.0	13	24
CRUDE FIBER		%	9.3	31.1	8	24
PROTEIN		%	1.6	5.4	32	24
CATTLE	DIG PROT	% *	0.7	2.4		
GOATS	DIG PROT	% *	0.5	1.6		
HORSES	DIG PROT	% *	0.6	2.1		
RABBITS	DIG PROT	% *	0.8	2.8		
SHEEP	DIG PROT	% *	0.6	2.0		

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-11-370

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.9	100.0		2
ORGANIC MATTER		%	24.6	88.4		
ASH		%	3.2	11.7		2
CRUDE FIBER		%	11.8	42.3		2
ETHER EXTRACT		%	0.5	1.7		2
NITROGEN FREE EXTRACT		%	11.2	40.2		2
PROTEIN		%	1.2	4.2		2
CATTLE	DIG PROT	% *	0.4	1.5		
GOATS	DIG PROT	% *	0.1	0.5		
HORSES	DIG PROT	% *	0.3	1.1		
RABBITS	DIG PROT	% *	0.5	1.9		
SHEEP	DIG PROT	% *	0.3	0.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.05		
SHEEP	DE	MCAL/KG *	0.64	2.28		
CATTLE	ME	MCAL/KG *	0.47	1.68		
SHEEP	ME	MCAL/KG *	0.52	1.87		
CATTLE	NE-M	MCAL/KG *	0.28	1.00		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.12		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	0.88		
CATTLE		TDN % *	12.9	46.4		
SHEEP		TDN % *	14.4	51.8		
CALCIUM		%	0.10	0.37		2
COPPER		MG/KG	2.5	9.0		2
IRON		%	0.007	0.025		2
MAGNESIUM		%	0.04	0.14		2
MANGANESE		MG/KG	9.5	34.1		2
PHOSPHORUS		%	0.06	0.20		2
POTASSIUM		%	0.68	2.45		2
SODIUM		%	0.02	0.07		2

CENCHRUS CILIARIS CILIARIS, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)

REF NO 2-11-369

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.0	100.0		2
ORGANIC MATTER		%	28.0	87.4		
ASH		%	4.0	12.6		2
CRUDE FIBER		%	12.9	40.4		2
ETHER EXTRACT		%	0.6	1.8		2
NITROGEN FREE EXTRACT		%	13.2	41.3		2
PROTEIN		%	1.3	4.1		2
CATTLE	DIG PROT	% *	0.4	1.3		
GOATS	DIG PROT	% *	0.1	0.3		
HORSES	DIG PROT	% *	0.3	1.0		
RABBITS	DIG PROT	% *	0.6	1.8		
SHEEP	DIG PROT	% *	0.2	0.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.04		
SHEEP	DE	MCAL/KG *	0.73	2.28		
CATTLE	ME	MCAL/KG	0.54	1.68		
SHEEP	ME	MCAL/KG	0.60	1.87		
CATTLE	NE-M	MCAL/KG *	0.32	1.00		
CATTLE	NE-GAIN	MCAL/KG *	0.04	0.12		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	0.88		
CATTLE		TDN % *	14.8	46.4		
SHEEP		TDN % *	16.6	51.8		

CENCHRUS CILIARIS CILIARIS, LEAVES, FRESH, (2)

REF NO 2-17-504

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.6		
ASH		%		10.4		1
CRUDE FIBER		%		28.6		1
ETHER EXTRACT		%		2.8		1
NITROGEN FREE EXTRACT		%		40.1		1
PROTEIN		%		18.0		1
CATTLE	DIG PROT	% *		13.2		
GOATS	DIG PROT	% *		13.4		
HORSES	DIG PROT	% *		12.8		
RABBITS	DIG PROT	% *		12.6		
SHEEP	DIG PROT	% *		13.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.69		
SHEEP	DE	MCAL/KG *		2.75		
CATTLE	ME	MCAL/KG *		2.20		
SHEEP	ME	MCAL/KG *		2.25		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.69		
CATTLE	NE-LACTATION	MCAL/KG *		1.38		
CATTLE		TDN % *		60.9		
SHEEP		TDN % *		62.3		
CALCIUM		%		0.05		1
PHOSPHORUS		%		0.28		1

CENCHRUS CILIARIS CILIARIS, LEAVES, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-926

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.0	100.0		1
ORGANIC MATTER		%	18.8	89.6		
ASH		%	2.2	10.4		1
CRUDE FIBER		%	6.8	32.2		1
PROTEIN		%	1.9	9.1		1
CATTLE	DIG PROT	% *	1.2	5.6		
GOATS	DIG PROT	% *	1.1	5.1		
HORSES	DIG PROT	% *	1.1	5.3		
RABBITS	DIG PROT	% *	1.2	5.7		
SHEEP	DIG PROT	% *	1.1	5.5		

CENCHRUS MYOSURUIDES, SANDBUR, BIG

CENCHRUS MYOSURUIDES BIG, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-10-613

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	45.3	100.0		1
ORGANIC MATTER		%	39.6	87.4		
ASH		%	5.7	12.6		1
CRUDE FIBER		%	13.0	28.6		1
ETHER EXTRACT		%	0.7	1.5		1
NITROGEN FREE EXTRACT		%	23.6	52.0		1
PROTEIN		%	2.4	5.3		1
CATTLE	DIG PROT	% *	1.1	2.4		
GOATS	DIG PROT	% *	0.7	1.5		
HORSES	DIG PROT	% *	0.9	2.0		
RABBITS	DIG PROT	% *	1.3	2.8		
SHEEP	DIG PROT	% *	0.9	1.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.13	2.48		
SHEEP	DE	MCAL/KG *	1.14	2.51		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE	MCAL/KG *	0.92	2.04		
SHEEP	NE	MCAL/KG *	0.93	2.06		
CATTLE	NE-M	MCAL/KG *	0.54	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.24	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.55	1.23		
CATTLE		TDN % *	25.5	56.4		
SHEEP		TDN % *	25.8	57.0		

CENCHRUS PAUCIFLORUS, SANDBUR, HAY

CENCHRUS PAUCIFLORUS HAY, AERIAL PART, FRESH, (2)

REF NO 2-10-614

DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		48.	12	7
PROTEIN		%		9.0	19	9
CATTLE	DIG PROT	% *		5.5		
GOATS	DIG PROT	% *		4.9		
HORSES	DIG PROT	% *		5.2		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		5.4		
PHOSPHORUS		%		0.30	55	5

CENCHRUS SPP, SANDBUR

CENCHRUS SPP, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)

REF NO 1-13-921

DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		48.	12	7
PROTEIN		%		9.0	19	9
CATTLE	DIG PROT	% *		4.7		
GOATS	DIG PROT	% *		4.9		
HORSES	DIG PROT	% *		5.2		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		4.6		
PHOSPHORUS		%		0.30	55	5

CENTROSEMA PLUMIERI, BUTTERFLYPEA, PLUMIERI

CENTROSEMA PLUMIERI PLUMIERI, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-15-427

DRY MATTER		%	15.6	100.0	1
ORGANIC MATTER		%	13.4	86.1	
ASH		%	2.2	13.9	1
CRUDE FIBER		%	5.3	34.2	1
ETHER EXTRACT		%	0.3	2.0	1
NITROGEN FREE EXTRACT		%	5.2	33.6	1
PROTEIN		%	2.5	16.3	1
CATTLE	DIG PROT	% *	1.8	11.8	
GOATS	DIG PROT	% *	1.8	11.8	
HORSES	DIG PROT	% *	1.8	11.4	
RABBITS	DIG PROT	% *	1.8	11.3	
SHEEP	DIG PROT	% *	1.9	12.2	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.39	2.53	
SHEEP	ME	MCAL/KG *	0.32	2.08	
SHEEP		TDN % *	9.0	57.4	

CENTROSEMA PLUMIERI PLUMIERI, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-15-428

DRY MATTER		%	26.1	100.0	1
ORGANIC MATTER		%	24.4	93.4	1
ASH		%	1.7	6.6	1
CRUDE FIBER		%	6.8	26.1	1
ETHER EXTRACT		%	0.7	2.5	1
NITROGEN FREE EXTRACT		%	12.3	47.3	1
PROTEIN		%	4.6	17.5	1
CATTLE	DIG PROT	% *	3.3	12.8	
GOATS	DIG PROT	% *	3.4	12.9	
HORSES	DIG PROT	% *	3.2	12.4	
RABBITS	DIG PROT	% *	3.2	12.2	
SHEEP	DIG PROT	% *	3.5	13.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.78	3.00	
SHEEP	DE	MCAL/KG *	0.75	2.88	
CATTLE	ME	MCAL/KG *	0.64	2.46	
SHEEP	ME	MCAL/KG *	0.62	2.36	
CATTLE	NE-M	MCAL/KG *	0.39	1.49	
CATTLE	NE-GAIN	MCAL/KG *	0.24	0.92	
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.63	
CATTLE		TDN % *	17.7	68.0	
SHEEP		TDN % *	17.0	65.3	
CALCIUM		%	0.38	1.44	1
PHOSPHORUS		%	0.72	2.75	1

CENTROSEMA PUBESCENS, BUTTERFLYPEA, PUBESCENS

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, AIR DRIED, (1)

REF NO 1-09-642

DRY MATTER		%		100.0	
ORGANIC MATTER		%		83.4	
ASH		%		16.6	1
CRUDE FIBER		%		32.8	1
ETHER EXTRACT		%		6.4	1
NITROGEN FREE EXTRACT		%		27.3	1
PROTEIN		%		16.9	1
CATTLE	DIG PROT	% *		11.6	
GOATS	DIG PROT	% *		12.3	
HORSES	DIG PROT	% *		11.9	
RABBITS	DIG PROT	% *		11.7	
SHEEP	DIG PROT	% *		11.7	

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, FRESH, (2)

REF NO 2-11-459

DRY MATTER		%	24.2	100.0	1
ORGANIC MATTER		%	22.4	92.7	1
ASH		%	2.0	8.3	2
CRUDE FIBER		%	7.5	31.0	2
ETHER EXTRACT		%	0.9	3.9	1
NITROGEN FREE EXTRACT		%	8.7	35.7	1
PROTEIN		%	5.1	21.1	2
CATTLE	DIG PROT	% *	3.8	15.8	
GOATS	DIG PROT	% *	3.9	16.2	
HORSES	DIG PROT	% *	3.7	15.4	
RABBITS	DIG PROT	% *	3.6	15.0	
SHEEP	DIG PROT	% *	4.0	16.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.66	2.71	
SHEEP	DE	MCAL/KG *	0.70	2.90	
CATTLE	ME	MCAL/KG *	0.54	2.22	
SHEEP	ME	MCAL/KG *	0.58	2.38	
CATTLE	NE-M	MCAL/KG *	0.32	1.32	
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.71	
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.40	
CATTLE		TDN % *	14.9	61.5	
SHEEP		TDN % *	15.9	65.9	
CALCIUM		%	0.31	1.30	2
IRON		%	0.014	0.059	1
PHOSPHORUS		%	0.08	0.31	2

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-460

DRY MATTER		%	23.3	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	75.	75.	1
CELLULOSE (CRAMPTON)		%	7.9	33.9	1

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-11-461

DRY MATTER		%	29.4	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	65.	65.	1
CELLULOSE (CRAMPTON)		%	10.0	33.9	1

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-11-462

DRY MATTER		%	27.2	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	62.	62.	1
CELLULOSE (CRAMPTON)		%	9.0	33.0	1

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-13-267

DRY MATTER		%	25.0	100.0	2
ORGANIC MATTER		%	22.2	89.1	1
ASH		%	2.8	8.7	2
CRUDE FIBER		%	7.8	31.1	2
ETHER EXTRACT		%	0.9	3.7	2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
NITROGEN FREE EXTRACT		%	8.6	34.6	2
PROTEIN		%	5.5	22.0	2
CATTLE	DIG PROT	% *	4.1	16.5	
GOATS	DIG PROT	% *	4.3	17.0	
HORSES	DIG PROT	% *	4.0	16.2	
RABBITS	DIG PROT	% *	3.9	15.6	
SHEEP	DIG PROT	% *	4.4	17.4	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.67	2.67	
SHEEP	DE MCAL/KG	*	0.72	2.89	
CATTLE	ME MCAL/KG	*	0.55	2.19	
SHEEP	ME MCAL/KG	*	0.59	2.37	
CATTLE	NE-M MCAL/KG	*	0.32	1.30	
CATTLE	NE-GAIN MCAL/KG	*	0.17	0.68	
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.37	
CATTLE	TDN	% *	15.1	60.6	
SHEEP	TDN	% *	16.4	65.7	
CALCIUM		%	0.25	1.02	2
PHOSPHORUS		%	0.09	0.38	2

CENTROSEMA PUBESCENS PUBESCENS, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-287

DRY MATTER		%	25.0	100.0	1
ORGANIC MATTER		%	22.6	90.4	1
ASH		%	2.4	9.6	1
CRUDE FIBER		%	9.9	39.6	1
ETHER EXTRACT		%	0.5	2.0	1
NITROGEN FREE EXTRACT		%	8.1	32.4	1
PROTEIN		%	4.1	16.4	1
CATTLE	DIG PROT	% *	3.0	11.8	
GOATS	DIG PROT	% *	3.0	11.9	
HORSES	DIG PROT	% *	2.9	11.5	
RABBITS	DIG PROT	% *	2.8	11.3	
SHEEP	DIG PROT	% *	3.1	12.3	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	0.65	2.60	
SHEEP	ME MCAL/KG	*	0.53	2.14	
SHEEP	TDN	% *	14.8	59.1	
CALCIUM		%	0.32	1.28	1
PHOSPHORUS		%	0.11	0.44	1

CERATONIA SILIQUA, CAROB BEAN

CERATONIA SILIQUA, PODS, (4)

REF NO 4-01-132

DRY MATTER		%	88.6	100.0	1
CRUDE FIBER		%	22.4	25.3	1
PROTEIN		%	10.4	11.7	1
CATTLE	DIG PROT	% *	6.0	6.8	
GOATS	DIG PROT	% *	7.1	8.0	
HORSES	DIG PROT	% *	7.1	8.0	
SHEEP	DIG PROT	% *	7.1	8.0	
CALCIUM		%	0.27	0.30	1
PHOSPHORUS		%	0.13	0.15	1

CERCIDIUM MACRUM, PALOVERDE, BORDER

CERCIDIUM MACRUM BORDER, BROWSE, FRESH, (2)

REF NO 2-11-435

DRY MATTER		%	63.2	100.0	1
ORGANIC MATTER		%	57.2	90.5	
ASH		%	6.0	9.5	3
CRUDE FIBER		%	12.6	19.9	3
ETHER EXTRACT		%	4.0	6.3	3
NITROGEN FREE EXTRACT		%	25.2	39.9	3
PROTEIN		%	15.4	24.4	3
CATTLE	DIG PROT	% *	11.8	18.6	
GOATS	DIG PROT	% *	12.2	19.3	
HORSES	DIG PROT	% *	11.5	18.2	
RABBITS	DIG PROT	% *	11.1	17.5	
SHEEP	DIG PROT	% *	12.5	19.7	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	2.14	3.39	
SHEEP	ME MCAL/KG	*	1.76	2.78	
SHEEP	TDN	% *	48.6	76.8	

CEREUS JAMACARU, CEREUS, MANDACARU

CEREUS JAMACARU MANDACARU, STALKS NO SPINES, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-271

DRY MATTER		%		100.0	
ORGANIC MATTER		%		82.8	
ASH		%		17.2	1
CRUDE FIBER		%		30.5	1
ETHER EXTRACT		%		0.9	1
NITROGEN FREE EXTRACT		%		45.3	1
PROTEIN		%		6.1	1
CATTLE	DIG PROT	% *		3.1	
GOATS	DIG PROT	% *		2.3	
HORSES	DIG PROT	% *		2.7	
RABBITS	DIG PROT	% *		3.4	
SHEEP	DIG PROT	% *		2.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.59	
SHEEP	DE MCAL/KG	*		2.30	
CATTLE	ME MCAL/KG	*		2.12	
SHEEP	ME MCAL/KG	*		1.89	
CATTLE	NE-M MCAL/KG	*		1.25	
CATTLE	NE-GAIN MCAL/KG	*		0.61	
CATTLE	NE-LACTATION MCAL/KG	*		1.31	
CATTLE	TDN	% *		58.7	
SHEEP	TDN	% *		52.2	

CHAETIUM BROMOIDES, SETILLA

CHAETIUM BROMOIDES, AERIAL PART, FRESH, (2)
SAETILLA

REF NO 2-09-408

DRY MATTER		%	31.4	100.0	2
PROTEIN		%	3.4	10.7	2
CATTLE	DIG PROT	% *	2.2	7.0	
GOATS	DIG PROT	% *	2.1	6.6	
HORSES	DIG PROT	% *	2.1	6.6	
RABBITS	DIG PROT	% *	2.2	7.0	
SHEEP	DIG PROT	% *	2.2	7.0	

CHAETIUM FESTUCOIDES

CHAETIUM FESTUCOIDES FESTUCOIDES, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-15-457

DRY MATTER		%	38.4	100.0	1
ORGANIC MATTER		%	36.4	94.7	1
ASH		%	2.0	5.3	1
CRUDE FIBER		%	15.0	39.0	1
ETHER EXTRACT		%	0.3	0.7	1
NITROGEN FREE EXTRACT		%	18.9	49.2	1
PROTEIN		%	2.2	5.8	1
CATTLE	DIG PROT	% *	1.1	2.8	
GOATS	DIG PROT	% *	0.8	2.0	
HORSES	DIG PROT	% *	0.9	2.5	
RABBITS	DIG PROT	% *	1.2	3.1	
SHEEP	DIG PROT	% *	0.9	2.4	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.88	2.29	
SHEEP	DE MCAL/KG	*	0.92	2.39	
CATTLE	ME MCAL/KG	*	0.72	1.88	
SHEEP	ME MCAL/KG	*	0.75	1.96	
CATTLE	NE-M MCAL/KG	*	0.43	1.11	
CATTLE	NE-GAIN MCAL/KG	*	0.14	0.36	
CATTLE	NE-LACTATION MCAL/KG	*	0.41	1.08	
CATTLE	TDN	% *	20.0	52.0	
SHEEP	TDN	% *	20.8	54.2	
CALCIUM		%	0.10	0.26	1
PHOSPHORUS		%	0.00	0.01	1

CHAETOCALYX MAGNIFLORA

CHAETOCALYX MAGNIFLORA MAGNIFLORA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-13-927

DRY MATTER		%	27.0	100.0	1
ORGANIC MATTER		%	25.3	93.6	1
ASH		%	1.7	6.4	1
CRUDE FIBER		%	8.8	32.5	1
ETHER EXTRACT		%	0.6	2.3	1
NITROGEN FREE EXTRACT		%	10.3	38.2	1
PROTEIN		%	5.6	20.6	1
CATTLE	DIG PROT	% *	4.2	15.4	
GOATS	DIG PROT	% *	4.3	15.8	
HORSES	DIG PROT	% *	4.1	15.0	
RABBITS	DIG PROT	% *	3.9	14.6	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SHEEP	DIG PROT	% *	4.4	16.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.76	2.82	
SHEEP	DE	MCAL/KG *	0.75	2.79	
CATTLE	ME	MCAL/KG *	0.62	2.31	
SHEEP	ME	MCAL/KG *	0.62	2.29	
CATTLE	NE-M	MCAL/KG *	0.37	1.38	
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.79	
CATTLE	NE-LACTATION	MCAL/KG *	0.40	1.48	
CATTLE	TDN	% *	17.2	63.9	
SHEEP	TDN	% *	17.1	63.4	
CALCIUM		%	0.46	1.72	1
PHOSPHORUS		%	0.36	1.33	1

CHAETOTHYLAX UMBROSUS

CHAETOTHYLAX UMBROSUS UMBROSUS, AERIAL PART, FRESH, (2)

REF NO 2-11-763

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	61.2	100.0	1
ORGANIC MATTER		%	52.0	84.9	
ASH		%	9.2	15.1	1
CRUDE FIBER		%	20.3	33.1	1
ETHER EXTRACT		%	0.6	1.0	1
NITROGEN FREE EXTRACT		%	25.9	42.3	1
PROTEIN		%	5.2	8.5	1
CATTLE	DIG PROT	% *	3.1	5.1	
GOATS	DIG PROT	% *	2.7	4.5	
HORSES	DIG PROT	% *	2.9	4.7	
RABBITS	DIG PROT	% *	3.2	5.2	
SHEEP	DIG PROT	% *	3.0	4.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.60	2.61	
SHEEP	DE	MCAL/KG *	1.43	2.34	
CATTLE	ME	MCAL/KG *	1.31	2.14	
SHEEP	ME	MCAL/KG *	1.17	1.92	
CATTLE	NE-M	MCAL/KG *	0.78	1.27	
CATTLE	NE-GAIN	MCAL/KG *	0.39	0.63	
CATTLE	NE-LACTATION	MCAL/KG *	0.81	1.32	
CATTLE	TDN	% *	36.3	59.2	
SHEEP	TDN	% *	32.5	53.1	

CHENOPODIUM PALLIDICAULE, GOOSEFOOT, PALLIDICAULE

CHENOPODIUM PALLIDICAULE PALLIDICAULE, HAY, S-C, (1)

REF NO 1-11-042

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	80.2	100.0	1
ORGANIC MATTER		%	67.9	84.7	
ASH		%	12.3	15.3	1
CRUDE FIBER		%	12.4	15.5	1
ETHER EXTRACT		%	7.2	9.0	1
NITROGEN FREE EXTRACT		%	38.1	47.5	1
PROTEIN		%	10.2	12.7	1
CATTLE	DIG PROT	% *	6.4	8.0	
GOATS	DIG PROT	% *	6.8	8.4	
HORSES	DIG PROT	% *	6.7	8.3	
RABBITS	DIG PROT	% *	6.8	8.5	
SHEEP	DIG PROT	% *	6.4	8.0	

CHENOPODIUM PALLIDICAULE PALLIDICAULE, LEAVES, S-C, (1)

REF NO 1-11-044

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	85.5	100.0	1
ORGANIC MATTER		%	71.4	83.5	
ASH		%	14.1	16.5	1
CRUDE FIBER		%	11.1	13.0	1
ETHER EXTRACT		%	5.6	6.5	1
NITROGEN FREE EXTRACT		%	45.2	52.9	1
PROTEIN		%	9.5	11.1	1
CATTLE	DIG PROT	% *	5.6	6.6	
GOATS	DIG PROT	% *	5.9	6.9	
HORSES	DIG PROT	% *	6.0	7.0	
RABBITS	DIG PROT	% *	6.2	7.2	
SHEEP	DIG PROT	% *	5.6	6.5	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	2.42	2.83	
SHEEP	ME	MCAL/KG *	1.99	2.32	
SHEEP	TDN	% *	55.0	64.3	

CHENOPODIUM PALLIDICAULE PALLIDICAULE, STEMS, S-C, (1)

REF NO 1-11-043

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	85.3	100.0	1
ORGANIC MATTER		%	76.9	90.2	
ASH		%	8.4	9.8	1
CRUDE FIBER		%	20.4	23.9	1
ETHER EXTRACT		%	2.2	2.6	1
NITROGEN FREE EXTRACT		%	49.2	57.7	1
PROTEIN		%	5.1	6.0	1
CATTLE	DIG PROT	% *	1.8	2.1	
GOATS	DIG PROT	% *	1.8	2.1	
HORSES	DIG PROT	% *	2.2	2.6	
RABBITS	DIG PROT	% *	2.8	3.3	
SHEEP	DIG PROT	% *	1.6	1.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.11	2.47	
HORSES	DE	MCAL/KG *	1.57	1.84	
SHEEP	DE	MCAL/KG *	2.05	2.40	
CATTLE	ME	MCAL/KG *	1.73	2.03	
HORSES	ME	MCAL/KG *	1.29	1.51	
SHEEP	ME	MCAL/KG *	1.66	1.97	
CATTLE	NE-M	MCAL/KG *	1.02	1.20	
CATTLE	NE-GAIN	MCAL/KG *	0.44	0.52	
CATTLE	NE-LACTATION	MCAL/KG *	1.04	1.22	
CATTLE	TDN	% *	47.8	56.1	
HORSES	TDN	% *	38.9	45.6	
SHEEP	TDN	% *	46.5	54.5	

CHENOPODIUM PALLIDICAULE PALLIDICAULE, STEMS, FRESH, (2)

REF NO 2-11-041

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		89.0	
ASH		%		11.0	1
CRUDE FIBER		%		29.1	1
ETHER EXTRACT		%		0.9	1
NITROGEN FREE EXTRACT		%		47.9	1
PROTEIN		%		11.2	1
CATTLE	DIG PROT	% *		7.4	
GOATS	DIG PROT	% *		7.0	
HORSES	DIG PROT	% *		7.0	
RABBITS	DIG PROT	% *		7.3	
SHEEP	DIG PROT	% *		7.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.69	
SHEEP	DE	MCAL/KG *		2.56	
CATTLE	ME	MCAL/KG *		2.21	
SHEEP	ME	MCAL/KG *		2.10	
CATTLE	NE-M	MCAL/KG *		1.31	
CATTLE	NE-GAIN	MCAL/KG *		0.69	
CATTLE	NE-LACTATION	MCAL/KG *		1.39	
CATTLE	TDN	% *		61.1	
SHEEP	TDN	% *		58.1	

CHENOPODIUM PALLIDICAULE PALLIDICAULE, SEEDS, (4)

REF NO 4-11-040

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	88.1	100.0	2
ORGANIC MATTER		%	81.5	92.6	
ASH		%	6.6	7.4	2
CRUDE FIBER		%	3.5	3.9	2
ETHER EXTRACT		%	7.5	8.5	2
NITROGEN FREE EXTRACT		%	55.9	63.5	2
PROTEIN		%	14.7	16.6	2
CATTLE	DIG PROT	% *	10.0	11.3	
GOATS	DIG PROT	% *	11.0	12.5	
HORSES	DIG PROT	% *	11.0	12.5	
SHEEP	DIG PROT	% *	11.0	12.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	3.14	3.57	
SHEEP	DE	MCAL/KG *	3.23	3.67	
SWINE	DE	KCAL/KG *	3335.	3788.	
CATTLE	ME	MCAL/KG *	2.58	2.93	
SHEEP	ME	MCAL/KG *	2.65	3.01	
SWINE	ME	KCAL/KG *	3090.	3509.	
CATTLE	NE-M	MCAL/KG *	1.67	1.89	
CATTLE	NE-GAIN	MCAL/KG *	1.11	1.26	
CATTLE	NE-LACTATION	MCAL/KG *	1.83	2.07	
CATTLE	TDN	% *	71.3	81.0	
SHEEP	TDN	% *	73.3	83.2	
SWINE	TDN	% *	75.6	85.9	

CHENOPODIUM QUINOA, GOOSEFOOT, QUINOA

CHENOPODIUM QUINOA QUINUA, AERIAL PART, FRESH, (2)

REF NO 2-10-454

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9		
ASH		%		8.1		1
CRUDE FIBER		%		16.5		1
ETHER EXTRACT		%		3.1		1
NITROGEN FREE EXTRACT		%		62.6		1
PROTEIN		%		9.7		1
CATTLE	DIG PROT	% *		6.1		
GOATS	DIG PROT	% *		5.6		
HORSES	DIG PROT	% *		5.8		
RABBITS	DIG PROT	% *		6.2		
SHEEP	DIG PROT	% *		6.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		4.12		
SHEEP	DE	MCAL/KG *		3.14		
CATTLE	ME	MCAL/KG *		3.38		
SHEEP	ME	MCAL/KG *		2.58		
CATTLE	NE-M	MCAL/KG *		2.38		
CATTLE	NE-GAIN	MCAL/KG *		1.52		
CATTLE	NE-LACTATION	MCAL/KG *		2.50		
CATTLE	TDN	% *		93.4		
SHEEP	TDN	% *		71.3		

CHENOPODIUM QUINOA QUINOA, BROWSE, FRESH, (2)

REF NO 2-13-657

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.7		
ASH		%		8.3	11	20
CRUDE FIBER		%		37.6	7	20
ETHER EXTRACT		%		1.8	16	20
NITROGEN FREE EXTRACT		%		43.1	4	20
PROTEIN		%		9.1	14	20
CATTLE	DIG PROT	% *		5.6		
GOATS	DIG PROT	% *		5.1		
HORSES	DIG PROT	% *		5.3		
RABBITS	DIG PROT	% *		5.7		
SHEEP	DIG PROT	% *		5.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.30		
SHEEP	DE	MCAL/KG *		2.49		
CATTLE	ME	MCAL/KG *		1.89		
SHEEP	ME	MCAL/KG *		2.04		
CATTLE	NE-M	MCAL/KG *		1.11		
CATTLE	NE-GAIN	MCAL/KG *		0.37		
CATTLE	NE-LACTATION	MCAL/KG *		1.08		
CATTLE	TDN	% *		52.3		
SHEEP	TDN	% *		56.5		

CHENOPODIUM QUINOA QUINOA, LEAVES, FRESH, (2)

REF NO 2-10-452

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		84.0		
ASH		%		16.0		1
CRUDE FIBER		%		13.0		1
ETHER EXTRACT		%		4.7		1
NITROGEN FREE EXTRACT		%		53.8		1
PROTEIN		%		12.5		1
CATTLE	DIG PROT	% *		8.6		
GOATS	DIG PROT	% *		8.3		
HORSES	DIG PROT	% *		8.2		
RABBITS	DIG PROT	% *		8.4		
SHEEP	DIG PROT	% *		8.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		4.10		
SHEEP	DE	MCAL/KG *		2.95		
CATTLE	ME	MCAL/KG *		3.36		
SHEEP	ME	MCAL/KG *		2.42		
CATTLE	NE-M	MCAL/KG *		2.36		
CATTLE	NE-GAIN	MCAL/KG *		1.52		
CATTLE	NE-LACTATION	MCAL/KG *		2.49		
CATTLE	TDN	% *		93.1		
SHEEP	TDN	% *		66.8		

CHENOPODIUM QUINOA QUINOA, STEMS, FRESH, (2)

REF NO 2-10-453

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.5		
ASH		%		8.5		3
CRUDE FIBER		%		27.8		3
ETHER EXTRACT		%		1.7		3
NITROGEN FREE EXTRACT		%		56.2		3
PROTEIN		%		5.7		3
CATTLE	DIG PROT	% *		2.8		
GOATS	DIG PROT	% *		1.9		
HORSES	DIG PROT	% *		2.4		
RABBITS	DIG PROT	% *		3.1		
SHEEP	DIG PROT	% *		2.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.62		
SHEEP	DE	MCAL/KG *		2.67		
CATTLE	ME	MCAL/KG *		2.15		
SHEEP	ME	MCAL/KG *		2.19		
CATTLE	NE-M	MCAL/KG *		1.27		
CATTLE	NE-GAIN	MCAL/KG *		0.64		
CATTLE	NE-LACTATION	MCAL/KG *		1.33		
CATTLE	TDN	% *		59.5		
SHEEP	TDN	% *		60.5		

CHENOPODIUM QUINOA QUINOA, SEEDS, (4)

REF NO 4-10-120

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.5	100.0	2	17
ORGANIC MATTER		%	86.3	96.4		
ASH		%	3.2	3.6	39	17
CRUDE FIBER		%	3.4	3.8	59	17
ETHER EXTRACT		%	4.6	5.1	52	17
NITROGEN FREE EXTRACT		%	65.5	73.2	7	15
PROTEIN		%	12.8	14.3	19	17
CATTLE	DIG PROT	% *	8.2	9.1		
GOATS	DIG PROT	% *	9.2	10.3		
HORSES	DIG PROT	% *	9.2	10.3		
SHEEP	DIG PROT	% *	9.2	10.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.18	3.55		
SHEEP	DE	MCAL/KG *	3.31	3.70		
SWINE	DE	KCAL/KG *	3331.	3720.		
CATTLE	ME	MCAL/KG *	2.61	2.91		
SHEEP	ME	MCAL/KG *	2.71	3.03		
SWINE	ME	KCAL/KG *	3102.	3464.		
CATTLE	NE-M	MCAL/KG *	1.68	1.88		
CATTLE	NE-GAIN	MCAL/KG *	1.12	1.25		
CATTLE	NE-LACTATION	MCAL/KG *	1.84	2.06		
CATTLE	TDN	% *	72.1	80.6		
SHEEP	TDN	% *	75.0	83.8		
SWINE	TDN	% *	75.6	84.4		
CALCIUM		%	0.10	0.11		3
COPPER		MG/KG	8.2	9.1		1
IRON		%	0.009	0.011		2
PHOSPHORUS		%	0.36	0.40		1
NIACIN		MG/KG	9.7	10.9		3
RIBOFLAVIN		MG/KG	1.8	2.0		3
THIAMINE		MG/KG	2.1	2.3		3

CHENOPODIUM QUINOA QUINOA, SEEDS, COOKED, (4)

REF NO 4-13-195

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.5	100.0		2
ORGANIC MATTER		%	87.1	96.4		
ASH		%	3.3	3.6		2
CRUDE FIBER		%	3.0	3.3		2
ETHER EXTRACT		%	4.5	5.0		2
NITROGEN FREE EXTRACT		%	68.2	75.5		
PROTEIN		%	11.5	12.7		2
CATTLE	DIG PROT	% *	6.9	7.6		
GOATS	DIG PROT	% *	8.0	8.8		
HORSES	DIG PROT	% *	8.0	8.8		
SHEEP	DIG PROT	% *	8.0	8.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.14	3.47		
SHEEP	DE	MCAL/KG *	3.36	3.72		
SWINE	DE	KCAL/KG *	3357.	3712.		
CATTLE	ME	MCAL/KG *	2.58	2.85		
SHEEP	ME	MCAL/KG *	2.76	3.05		
SWINE	ME	KCAL/KG *	3137.	3468.		
CATTLE	NE-M	MCAL/KG *	1.64	1.82		
CATTLE	NE-GAIN	MCAL/KG *	1.09	1.21		
CATTLE	NE-LACTATION	MCAL/KG *	1.81	2.00		
CATTLE	TDN	% *	71.3	78.8		
SHEEP	TDN	% *	76.3	84.3		
SWINE	TDN	% *	76.1	84.2		
CALCIUM		%	0.07	0.07		2
IRON		%	0.011	0.012		2
PHOSPHORUS		%	0.36	0.39		2
ASCORBIC ACID		MG/KG	11.5	12.7		2
NIACIN		MG/KG	8.8	9.7		2
RIBOFLAVIN		MG/KG	2.2	2.4		2
THIAMINE		MG/KG	2.4	2.7		2

CHENOPODIUM QUINOA QUINOA, SEEDS, GRND, (4)

REF NO 4-10-621

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.6	100.0		3
ORGANIC MATTER		%	86.8	98.0		
ASH		%	1.8	2.0	55	4
CRUDE FIBER		%	2.5	2.8	98	4
ETHER EXTRACT		%	4.2	4.7	31	4
NITROGEN FREE EXTRACT		%	71.0	80.1		3
PROTEIN		%	9.2	10.3	24	4

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	4.9	5.5		
GOATS	DIG PROT % *	5.9	6.7		
HORSES	DIG PROT % *	5.9	6.7		
SHEEP	DIG PROT % *	5.9	6.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.14	3.54		
SHEEP	DE MCAL/KG *	3.37	3.80		
SWINE	DE KCAL/KG *	3315.	3740.		
CATTLE	ME MCAL/KG *	2.57	2.90		
SHEEP	ME MCAL/KG *	2.76	3.12		
SWINE	ME KCAL/KG *	3113.	3512.		
CATTLE	NE-M MCAL/KG *	1.66	1.87		
CATTLE	NE-GAIN MCAL/KG *	1.10	1.25		
CATTLE	NE-LACTATION MCAL/KG *	1.82	2.05		
CATTLE	TDN % *	71.2	80.3		
SHEEP	TDN % *	76.4	86.2		
SWINE	TDN % *	75.2	84.8		
CALCIUM	%	0.06	0.07		1
IRON	%	0.006	0.007		1
PHOSPHORUS	%	0.31	0.34		1
NIACIN	MG/KG	9.3	10.5		1
RIBOFLAVIN	MG/KG	2.0	2.2		1
THIAMINE	MG/KG	2.4	2.7		1

CHENOPODIUM QUINOA QUINOA, SEEDS W HULLS, (4)

REF NO 4-09-041

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.9	100.0		1
ORGANIC MATTER	%	83.5	96.1		
ASH	%	3.4	3.9		1
CRUDE FIBER	%	5.0	5.8		1
ETHER EXTRACT	%	4.9	5.6		1
NITROGEN FREE EXTRACT	%	60.1	69.2		1
PROTEIN	%	13.5	15.5		1
CATTLE	DIG PROT % *	8.9	10.3		
GOATS	DIG PROT % *	10.0	11.5		
HORSES	DIG PROT % *	10.0	11.5		
SHEEP	DIG PROT % *	10.0	11.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.10	3.57		
SHEEP	DE MCAL/KG *	3.14	3.61		
SWINE	DE KCAL/KG *	3193.	3675.		
CATTLE	ME MCAL/KG *	2.54	2.93		
SHEEP	ME MCAL/KG *	2.57	2.96		
SWINE	ME KCAL/KG *	2966.	3413.		
CATTLE	NE-M MCAL/KG *	1.64	1.89		
CATTLE	NE-GAIN MCAL/KG *	1.10	1.26		
CATTLE	NE-LACTATION MCAL/KG *	1.80	2.07		
CATTLE	TDN % *	70.3	80.9		
SHEEP	TDN % *	71.1	81.9		
SWINE	TDN % *	72.4	83.3		

CHENOPODIUM QUINOA QUINOA, SEEDS W 5% MILK ADDED, GRND, (4)

REF NO 4-13-198

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.3	100.0		1
ORGANIC MATTER	%	88.1	97.6		
ASH	%	2.2	2.4		1
CRUDE FIBER	%	1.7	1.9		1
ETHER EXTRACT	%	6.2	6.9		1
NITROGEN FREE EXTRACT	%	69.1	76.5		
PROTEIN	%	11.1	12.3		1
CATTLE	DIG PROT % *	6.6	7.3		
GOATS	DIG PROT % *	7.7	8.5		
HORSES	DIG PROT % *	7.7	8.5		
SHEEP	DIG PROT % *	7.7	8.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.40	3.77		
SHEEP	DE MCAL/KG *	3.49	3.86		
SWINE	DE KCAL/KG *	3404.	3770.		
CATTLE	ME MCAL/KG *	2.79	3.09		
SHEEP	ME MCAL/KG *	2.86	3.17		
SWINE	ME KCAL/KG *	3184.	3526.		
CATTLE	NE-M MCAL/KG *	1.85	2.05		
CATTLE	NE-GAIN MCAL/KG *	1.23	1.36		
CATTLE	NE-LACTATION MCAL/KG *	2.01	2.23		
CATTLE	TDN % *	77.1	85.4		
SHEEP	TDN % *	79.1	87.6		
SWINE	TDN % *	77.2	85.5		
CALCIUM	%	0.05	0.06		1
IRON	%	0.006	0.007		1
PHOSPHORUS	%	0.38	0.42		1
ASCORBIC ACID	MG/KG	5.6	6.2		1
NIACIN	MG/KG	13.7	15.2		1
RIBOFLAVIN	MG/KG	2.1	2.3		1
THIAMINE	MG/KG	2.0	2.2		1

CHENOPODIUM QUINOA QUINOA, SEEDS NO HULLS, (4)

REF NO 4-13-656

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.0	100.0		19
ORGANIC MATTER	%	83.1	96.6		
ASH	%	2.9	3.4	5	18
CRUDE FIBER	%	2.4	2.7	22	19
ETHER EXTRACT	%	5.6	6.5	5	19
NITROGEN FREE EXTRACT	%	59.8	69.6	1	19
PROTEIN	%	15.3	17.8	2	19
CATTLE	DIG PROT % *	10.6	12.3		
GOATS	DIG PROT % *	11.6	13.5		
HORSES	DIG PROT % *	11.6	13.5		
SHEEP	DIG PROT % *	11.6	13.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.40	3.95		
SHEEP	DE MCAL/KG *	3.28	3.81		
SWINE	DE KCAL/KG *	3320.	3859.		
CATTLE	ME MCAL/KG *	2.79	3.24		
SHEEP	ME MCAL/KG *	2.69	3.12		
SWINE	ME KCAL/KG *	3068.	3567.		
CATTLE	NE-M MCAL/KG *	1.91	2.22		
CATTLE	NE-GAIN MCAL/KG *	1.25	1.45		
CATTLE	NE-LACTATION MCAL/KG *	2.04	2.37		
CATTLE	TDN % *	77.1	89.6		
SHEEP	TDN % *	74.3	86.3		
SWINE	TDN % *	75.3	87.5		

CHENOPODIUM QUINOA QUINOA, BRAN W GERM, (5)

REF NO 5-11-775

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.4	100.0		1
ORGANIC MATTER	%	84.5	95.6		
ASH	%	3.9	4.4		1
CRUDE FIBER	%	7.6	8.6		1
ETHER EXTRACT	%	7.1	8.0		1
NITROGEN FREE EXTRACT	%	51.7	58.5		1
PROTEIN	%	18.1	20.5		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.14	3.55		
SHEEP	DE MCAL/KG *	3.51	3.97		
CATTLE	ME MCAL/KG *	2.58	2.91		
SHEEP	ME MCAL/KG *	2.88	3.26		
CATTLE	NE-M MCAL/KG *	1.66	1.88		
CATTLE	NE-GAIN MCAL/KG *	1.11	1.25		
CATTLE	NE-LACTATION MCAL/KG *	1.82	2.06		
CATTLE	TDN % *	71.2	80.6		
SHEEP	TDN % *	79.7	90.1		

CHIPPED RICE (AAFCO)
=SEE ORYZA SATIVA, GROATS, POLISHED AND BROKEN, (4)

CHLORIS CILIATA, CHLORIS, FRINGED

CHLORIS CILIATA FRINGED, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-10-615

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	37.6	100.0		1
ORGANIC MATTER	%	33.3	88.6		
ASH	%	4.3	11.4		1
CRUDE FIBER	%	10.6	28.2		1
ETHER EXTRACT	%	0.6	1.6		1
NITROGEN FREE EXTRACT	%	19.1	50.9		1
PROTEIN	%	3.0	7.9		1
CATTLE	DIG PROT % *	1.7	4.6		
GOATS	DIG PROT % *	1.5	3.9		
HORSES	DIG PROT % *	1.6	4.2		
RABBITS	DIG PROT % *	1.8	4.8		
SHEEP	DIG PROT % *	1.6	4.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.96	2.56		
SHEEP	DE MCAL/KG *	0.97	2.58		
CATTLE	ME MCAL/KG *	0.79	2.10		
SHEEP	ME MCAL/KG *	0.80	2.12		
CATTLE	NE-M MCAL/KG *	0.47	1.24		
CATTLE	NE-GAIN MCAL/KG *	0.22	0.59		
CATTLE	NE-LACTATION MCAL/KG *	0.48	1.29		
CATTLE	TDN % *	21.8	58.1		
SHEEP	TDN % *	22.0	58.5		

CHLORIS GAYANA, RHODESGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CHLORIS GAYANA, AERIAL PART, DEHY, (1)						
REF NO 1-10-616						
DRY MATTER		%	91.3	100.0		1
ORGANIC MATTER		%	81.5	89.3		1
ASH		%	9.8	10.7		1
CRUDE FIBER		%	31.2	34.2		1
ETHER EXTRACT		%	1.6	1.8		1
NITROGEN FREE EXTRACT		%	41.0	44.9		1
PROTEIN		%	7.7	8.4		1
CATTLE	DIG PROT	% *	3.9	4.2		
GOATS	DIG PROT	% *	4.0	4.4		
HORSES	DIG PROT	% *	4.3	4.7		
RABBITS	DIG PROT	% *	4.7	5.2		
SHEEP	DIG PROT	% *	3.8	4.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.03	2.22		
HORSES	DE	MCAL/KG *	1.60	1.75		
SHEEP	DE	MCAL/KG *	2.03	2.22		
CATTLE	ME	MCAL/KG *	1.67	1.82		
HORSES	ME	MCAL/KG *	1.31	1.44		
SHEEP	ME	MCAL/KG *	1.66	1.82		
CATTLE	NE-M	MCAL/KG *	0.98	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.30		
CATTLE	NE-LACTATION	MCAL/KG *	0.93	1.02		
CATTLE	TDN	% *	46.1	50.4		
HORSES	TDN	% *	39.6	43.3		
SHEEP	TDN	% *	46.0	50.3		
VITAMIN A EQUIV		IU/G	3.7	4.0		
CHLORIS GAYANA, HAY, S-C, (1)						
REF NO 1-03-913						
DRY MATTER		%	90.8	100.0	1	10
ORGANIC MATTER		%	84.4	93.0	15	2
ASH		%	11.3	12.5	15	11
SHEEP	DIG COEF	%	50.	50.		
CRUDE FIBER		%	33.6	37.0	8	10
ETHER EXTRACT		%	1.6	1.8	38	10
NITROGEN FREE EXTRACT		%	32.7	36.0	9	10
PROTEIN		%	11.5	12.7	31	12
SHEEP	DIG COEF	%	11.	11.		1
CATTLE	DIG PROT	% *	7.2	7.9		
GOATS	DIG PROT	% *	7.6	8.4		
HORSES	DIG PROT	% *	7.5	8.3		
RABBITS	DIG PROT	% *	7.7	8.5		
SHEEP	DIG PROT	%	1.3	1.4		
CELL WALLS (VAN SOEST)		%	70.6	77.8		2
FIBER, ACID DETERGENT (VS)		%	35.4	39.1		2
LIGNIN (VAN SOEST)		%	7.4	8.2		2
ENERGY	GE	KCAL/KG	3959.	4362.		2
SHEEP	GE DIG COEF	%	51.	51.		2
CATTLE	DE	MCAL/KG *	1.95	2.15		
SHEEP	DE	MCAL/KG	2.00	2.20		
CATTLE	ME	MCAL/KG *	1.60	1.76		
SHEEP	ME	MCAL/KG *	1.64	1.81		
CATTLE	NE-M	MCAL/KG *	0.95	1.04		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.22		
CATTLE	NE-LACTATION	MCAL/KG *	0.87	0.96		
CATTLE	TDN	% *	44.2	48.7		
SHEEP	TDN	% *	45.6	50.2		
CHLORIS GAYANA, AERIAL PART, FRESH, (2)						
REF NO 2-03-916						
DRY MATTER		%	38.9	100.0	55	9
ORGANIC MATTER		%	34.1	87.5	14	1
ASH		%	3.9	10.0	14	11
CRUDE FIBER		%	12.9	33.1	14	12
ETHER EXTRACT		%	0.8	2.1	25	11
NITROGEN FREE EXTRACT		%	17.2	44.2	10	11
PROTEIN		%	4.1	10.6	63	12
CATTLE	DIG PROT	% *	2.7	6.9		
GOATS	DIG PROT	% *	2.5	6.5		
HORSES	DIG PROT	% *	2.5	6.5		
RABBITS	DIG PROT	% *	2.7	6.9		
SHEEP	DIG PROT	% *	2.7	6.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.95	2.45		
SHEEP	DE	MCAL/KG *	0.99	2.55		
CATTLE	ME	MCAL/KG *	0.78	2.01		
SHEEP	ME	MCAL/KG *	0.82	2.09		
CATTLE	NE-M	MCAL/KG *	0.46	1.18		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.50		
CATTLE	NE-LACTATION	MCAL/KG *	0.47	1.20		
CATTLE	TDN	% *	21.6	55.5		
SHEEP	TDN	% *	22.5	57.9		
CALCIUM		%	0.10	0.26	93	4
IRON		%	0.003	0.006		2
MAGNESIUM		%	0.08	0.21		2
PHOSPHORUS		%	0.07	0.18		3
POTASSIUM		%	0.34	0.87		2
SULPHUR		%	0.03	0.08		2
VITAMIN A EQUIV		IU/G	5.8	15.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CHLORIS GAYANA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-13-930						
DRY MATTER		%	28.3	100.0	21	6
ORGANIC MATTER		%	25.0	88.5		
ASH		%	3.3	11.5	5	6
CRUDE FIBER		%	9.0	31.9	7	6
PROTEIN		%	1.6	5.6	19	6
CATTLE	DIG PROT	% *	0.7	2.6		
GOATS	DIG PROT	% *	0.5	1.8		
HORSES	DIG PROT	% *	0.6	2.3		
RABBITS	DIG PROT	% *	0.8	3.0		
SHEEP	DIG PROT	% *	0.6	2.2		
CHLORIS GAYANA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-10-127						
DRY MATTER		%	20.2	100.0		1
ORGANIC MATTER		%	18.3	90.6		
ASH		%	1.9	9.4		1
CRUDE FIBER		%	6.6	32.6		1
ETHER EXTRACT		%	0.2	1.2		1
NITROGEN FREE EXTRACT		%	9.5	47.0		1
PROTEIN		%	2.0	9.8		1
CATTLE	DIG PROT	% *	1.3	6.2		
GOATS	DIG PROT	% *	1.1	5.7		
HORSES	DIG PROT	% *	1.2	5.8		
RABBITS	DIG PROT	% *	1.3	6.2		
SHEEP	DIG PROT	% *	1.2	6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.51	2.55		
SHEEP	DE	MCAL/KG *	0.51	2.53		
CATTLE	ME	MCAL/KG *	0.42	2.09		
SHEEP	ME	MCAL/KG *	0.42	2.07		
CATTLE	NE-M	MCAL/KG *	0.25	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.27		
CATTLE	TDN	% *	11.7	57.7		
SHEEP	TDN	% *	11.6	57.3		
CALCIUM		%	0.15	0.74		1
PHOSPHORUS		%	0.08	0.39		1
CHLORIS GAYANA, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-10-472						
DRY MATTER		%	19.2	100.0		1
ORGANIC MATTER		%	17.3	90.0		
ASH		%	1.9	10.0		1
CRUDE FIBER		%	7.7	40.3		1
ETHER EXTRACT		%	0.3	1.6		1
NITROGEN FREE EXTRACT		%	8.5	44.1		1
PROTEIN		%	0.8	4.0		1
CATTLE	DIG PROT	% *	0.2	1.3		
GOATS	DIG PROT	% *	0.1	0.3		
HORSES	DIG PROT	% *	0.2	0.9		
RABBITS	DIG PROT	% *	0.3	1.8		
SHEEP	DIG PROT	% *	0.1	0.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.39	2.04		
SHEEP	DE	MCAL/KG *	0.44	2.32		
CATTLE	ME	MCAL/KG *	0.32	1.67		
SHEEP	ME	MCAL/KG *	0.36	1.90		
CATTLE	NE-M	MCAL/KG *	0.19	1.00		
CATTLE	NE-GAIN	MCAL/KG *	0.02	0.12		
CATTLE	NE-LACTATION	MCAL/KG *	0.17	0.88		
CATTLE	TDN	% *	8.9	46.3		
SHEEP	TDN	% *	10.1	52.6		
CHLORIS GAYANA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-10-469						
DRY MATTER		%	25.1	100.0		2
ORGANIC MATTER		%	23.2	92.3		
ASH		%	1.9	7.7		2
CRUDE FIBER		%	10.1	40.1		2
ETHER EXTRACT		%	0.4	1.6		2
NITROGEN FREE EXTRACT		%	11.4	45.4		2
PROTEIN		%	1.3	5.3		2
CATTLE	DIG PROT	% *	0.6	2.4		
GOATS	DIG PROT	% *	0.4	1.5		
HORSES	DIG PROT	% *	0.5	2.0		
RABBITS	DIG PROT	% *	0.7	2.7		
SHEEP	DIG PROT	% *	0.5	1.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.52	2.08		
SHEEP	DE	MCAL/KG *	0.60	2.38		
CATTLE	ME	MCAL/KG *	0.43	1.71		
SHEEP	ME	MCAL/KG *	0.49	1.95		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M MCAL/KG *	0.26	1.02		
CATTLE	NE-GAIN MCAL/KG *	0.04	0.16		
CATTLE	NE-LACTATION MCAL/KG *	0.23	0.91		
CATTLE	TDN % *	11.9	47.3		
SHEEP	TDN % *	13.5	54.0		
CALCIUM	%	0.09	0.36		2
COPPER	MG/KG	9.4	37.4		2
IRON	%	0.011	0.043		2
MAGNESIUM	%	0.03	0.12		2
MANGANESE	MG/KG	19.0	75.7		2
PHOSPHORUS	%	0.03	0.13		2
POTASSIUM	%	0.46	1.84		2
SODIUM	%	0.02	0.07		2

CHLORIS GAYANA, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)

REF NO 2-10-470

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.1	100.0		1
ORGANIC MATTER	%	20.1	91.0		
ASH	%	2.0	9.0		1
CRUDE FIBER	%	8.6	39.0		1
ETHER EXTRACT	%	0.5	2.1		1
NITROGEN FREE EXTRACT	%	9.0	40.9		1
PROTEIN	%	2.0	9.0		1
CATTLE	DIG PROT % *	1.2	5.5		
GOATS	DIG PROT % *	1.1	5.0		
HORSES	DIG PROT % *	1.1	5.2		
RABBITS	DIG PROT % *	1.2	5.6		
SHEEP	DIG PROT % *	1.2	5.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.49	2.22		
SHEEP	DE MCAL/KG *	0.55	2.48		
CATTLE	ME MCAL/KG *	0.40	1.82		
SHEEP	ME MCAL/KG *	0.45	2.03		
CATTLE	NE-M MCAL/KG *	0.24	1.08		
CATTLE	NE-GAIN MCAL/KG *	0.06	0.29		
CATTLE	NE-LACTATION MCAL/KG *	0.22	1.02		
CATTLE	TDN % *	11.1	50.3		
SHEEP	TDN % *	12.4	56.2		

CHLORIS GAYANA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-929

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	36.1	100.0		1
ORGANIC MATTER	%	32.4	89.7		1
ASH	%	3.7	10.3		1
CRUDE FIBER	%	12.6	34.8		1
ETHER EXTRACT	%	0.7	1.9		1
NITROGEN FREE EXTRACT	%	16.2	45.0		1
PROTEIN	%	2.9	8.0		1
CATTLE	DIG PROT % *	1.7	4.7		
GOATS	DIG PROT % *	1.5	4.0		
HORSES	DIG PROT % *	1.6	4.3		
RABBITS	DIG PROT % *	1.7	4.8		
SHEEP	DIG PROT % *	1.6	4.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.84	2.32		
SHEEP	DE MCAL/KG *	0.89	2.48		
CATTLE	ME MCAL/KG *	0.69	1.90		
SHEEP	ME MCAL/KG *	0.73	2.03		
CATTLE	NE-M MCAL/KG *	0.40	1.12		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.38		
CATTLE	NE-LACTATION MCAL/KG *	0.40	1.09		
CATTLE	TDN % *	19.0	52.6		
SHEEP	TDN % *	20.3	56.1		
CALCIUM	%	0.11	0.31		1
PHOSPHORUS	%	0.08	0.21		1

CHLORIS GAYANA, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-10-471

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.3	100.0		3
ORGANIC MATTER	%	23.1	91.1		
ASH	%	2.2	8.9		3
CRUDE FIBER	%	10.4	40.9		3
ETHER EXTRACT	%	0.4	1.7		3
NITROGEN FREE EXTRACT	%	10.9	43.0		3
PROTEIN	%	1.4	5.5		3
CATTLE	DIG PROT % *	0.6	2.6		
GOATS	DIG PROT % *	0.4	1.7		
HORSES	DIG PROT % *	0.6	2.2		
RABBITS	DIG PROT % *	0.7	2.9		
SHEEP	DIG PROT % *	0.5	2.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.52	2.06		
SHEEP	DE MCAL/KG *	0.60	2.37		
CATTLE	ME MCAL/KG *	0.43	1.69		
SHEEP	ME MCAL/KG *	0.49	1.94		
CATTLE	NE-M MCAL/KG *	0.25	1.01		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.13		
CATTLE	NE-LACTATION MCAL/KG *	0.23	0.89		
CATTLE	TDN % *	11.8	46.7		
SHEEP	TDN % *	13.6	53.7		
CALCIUM	%	0.14	0.56		2
COPPER	MG/KG	4.4	17.5		2
IRON	%	0.007	0.026		2
MAGNESIUM	%	0.05	0.18		2
MANGANESE	MG/KG	5.1	20.3		2
PHOSPHORUS	%	0.03	0.14		2
POTASSIUM	%	0.34	1.34		2
SODIUM	%	0.02	0.09		2

CHLORIS GAYANA, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)

REF NO 2-10-473

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.1	100.0	19	6
ORGANIC MATTER	%	27.5	91.4		
ASH	%	2.6	8.6	13	6
CRUDE FIBER	%	12.7	42.2	7	6
ETHER EXTRACT	%	0.6	1.9	9	6
NITROGEN FREE EXTRACT	%	12.7	42.3	4	6
PROTEIN	%	1.5	5.0	37	6
CATTLE	DIG PROT % *	0.6	2.2		
GOATS	DIG PROT % *	0.4	1.2		
HORSES	DIG PROT % *	0.5	1.8		
RABBITS	DIG PROT % *	0.6	2.5		
SHEEP	DIG PROT % *	0.5	1.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.59	1.96		
SHEEP	DE MCAL/KG *	0.71	2.36		
CATTLE	ME MCAL/KG *	0.48	1.61		
SHEEP	ME MCAL/KG *	0.58	1.93		
CATTLE	NE-M MCAL/KG *	0.29	0.96		
CATTLE	NE-GAIN MCAL/KG *	0.01	0.03		
CATTLE	NE-LACTATION MCAL/KG *	0.24	0.81		
CATTLE	TDN % *	13.4	44.4		
SHEEP	TDN % *	16.1	53.5		

CHLORIS GAYANA, AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)

REF NO 2-10-474

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.8	100.0		1
ORGANIC MATTER	%	24.6	91.7		
ASH	%	2.2	8.3		1
CRUDE FIBER	%	11.4	42.4		1
ETHER EXTRACT	%	0.6	2.2		1
NITROGEN FREE EXTRACT	%	10.9	40.8		1
PROTEIN	%	1.7	6.3		1
CATTLE	DIG PROT % *	0.9	3.2		
GOATS	DIG PROT % *	0.7	2.4		
HORSES	DIG PROT % *	0.8	2.9		
RABBITS	DIG PROT % *	0.9	3.5		
SHEEP	DIG PROT % *	0.8	2.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.52	1.95		
SHEEP	DE MCAL/KG *	0.65	2.41		
CATTLE	ME MCAL/KG *	0.43	1.60		
SHEEP	ME MCAL/KG *	0.53	1.98		
CATTLE	NE-M MCAL/KG *	0.26	0.96		
CATTLE	NE-GAIN MCAL/KG *	0.01	0.02		
CATTLE	NE-LACTATION MCAL/KG *	0.22	0.80		
CATTLE	TDN % *	11.8	44.1		
SHEEP	TDN % *	14.7	54.7		

CHLORIS GAYANA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-13-928

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.8	100.0	39	5
ORGANIC MATTER	%	19.9	87.2	19	2
ASH	%	2.6	11.5	19	4
CRUDE FIBER	%	8.3	36.3	4	5
ETHER EXTRACT	%	0.4	1.7	24	5
NITROGEN FREE EXTRACT	%	9.3	40.5	37	6
PROTEIN	%	2.3	10.0	40	5
CATTLE	DIG PROT % *	1.5	6.4		
GOATS	DIG PROT % *	1.3	5.9		
HORSES	DIG PROT % *	1.4	6.0		
RABBITS	DIG PROT % *	1.5	6.4		
SHEEP	DIG PROT % *	1.4	6.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.55	2.40		
SHEEP	DE MCAL/KG *	0.56	2.45		
CATTLE	ME MCAL/KG *	0.45	1.97		
SHEEP	ME MCAL/KG *	0.46	2.01		
CATTLE	NE-M MCAL/KG *	0.27	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.46		
CATTLE	NE-LACTATION MCAL/KG *	0.27	1.16		
CATTLE	TDN % *	12.4	54.5		
SHEEP	TDN % *	12.7	55.6		
CALCIUM	%	0.13	0.56		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%	0.06	0.27		2

CHLORIS GAYANA, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-936

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	22.6	90.5		1
ASH	%	2.4	9.5		1
CRUDE FIBER	%	9.5	37.8		1
ETHER EXTRACT	%	0.4	1.5		1
NITROGEN FREE EXTRACT	%	12.2	48.9		1
PROTEIN	%	0.6	2.3		1
CATTLE DIG PROT % *		-0.0	-0.2		
GOATS DIG PROT % *		-0.3	-1.3		
HORSES DIG PROT % *		-0.1	-0.5		
RABBITS DIG PROT % *		0.1	0.4		
SHEEP DIG PROT % *		-0.2	-0.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.51	2.03		
CATTLE ME MCAL/KG *		0.42	1.67		
CATTLE NE-M MCAL/KG *		0.25	0.99		
CATTLE NE-GAIN MCAL/KG *		0.03	0.11		
CATTLE NE-LACTATION MCAL/KG *		0.22	0.87		
CATTLE TDN % *		11.5	46.1		
CALCIUM	%	0.07	0.28		1
PHOSPHORUS	%	0.08	0.32		1

CHLORIS GAYANA, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-13-686

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.1	100.0	15	8
ORGANIC MATTER	%	23.2	88.9		
ASH	%	2.9	11.1	15	8
CRUDE FIBER	%	10.7	40.8	8	8
ETHER EXTRACT	%	0.3	1.3	32	8
NITROGEN FREE EXTRACT	%	9.8	37.6	8	8
PROTEIN	%	2.4	9.2	44	8
CATTLE DIG PROT % *		1.5	5.7		
GOATS DIG PROT % *		1.3	5.1		
HORSES DIG PROT % *		1.4	5.3		
RABBITS DIG PROT % *		1.5	5.8		
SHEEP DIG PROT % *		1.5	5.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.66	2.52		
SHEEP DE MCAL/KG *		0.62	2.37		
CATTLE ME MCAL/KG *		0.54	2.06		
SHEEP ME MCAL/KG *		0.51	1.95		
CATTLE NE-M MCAL/KG *		0.32	1.22		
CATTLE NE-GAIN MCAL/KG *		0.15	0.56		
CATTLE NE-LACTATION MCAL/KG *		0.33	1.25		
CATTLE TDN % *		14.9	57.1		
SHEEP TDN % *		14.1	53.8		
CALCIUM	%	0.08	0.29	60	8
PHOSPHORUS	%	0.07	0.28	37	8

CHLORIS GAYANA, AERIAL PART, FRESH, MATURE, CUT 1, (2)

REF NO 2-09-911

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.2		
ASH	%		9.8		1
CRUDE FIBER	%		28.0		1
ETHER EXTRACT	%		2.0		1
NITROGEN FREE EXTRACT	%		53.2		1
PROTEIN	%		7.0		1
CATTLE DIG PROT % *			3.9		
GOATS DIG PROT % *			3.1		
HORSES DIG PROT % *			3.5		
RABBITS DIG PROT % *			4.1		
SHEEP DIG PROT % *			3.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.61		
SHEEP DE MCAL/KG *			2.64		
CATTLE ME MCAL/KG *			2.14		
SHEEP ME MCAL/KG *			2.17		
CATTLE NE-M MCAL/KG *			1.27		
CATTLE NE-GAIN MCAL/KG *			0.63		
CATTLE NE-LACTATION MCAL/KG *			1.33		
CATTLE TDN % *			59.3		
SHEEP TDN % *			59.9		
CALCIUM	%		0.43		1
MAGNESIUM	%		0.24		1
PHOSPHORUS	%		0.19		1
POTASSIUM	%		0.94		1
SULPHUR	%		0.09		1

CHLORIS GAYANA, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-10-468

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.2	100.0		2
ORGANIC MATTER	%	16.6	91.4		
ASH	%	1.6	8.7		2
CRUDE FIBER	%	7.2	39.8		2
ETHER EXTRACT	%	0.3	1.7		2
NITROGEN FREE EXTRACT	%	8.1	44.7		2
PROTEIN	%	0.9	5.2		2
CATTLE DIG PROT % *		0.4	2.3		
GOATS DIG PROT % *		0.2	1.4		
HORSES DIG PROT % *		0.3	1.9		
RABBITS DIG PROT % *		0.5	2.6		
SHEEP DIG PROT % *		0.3	1.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.38	2.07		
SHEEP DE MCAL/KG *		0.43	2.37		
CATTLE ME MCAL/KG *		0.31	1.70		
SHEEP ME MCAL/KG *		0.35	1.95		
CATTLE NE-M MCAL/KG *		0.18	1.01		
CATTLE NE-GAIN MCAL/KG *		0.03	0.14		
CATTLE NE-LACTATION MCAL/KG *		0.18	0.90		
CATTLE TDN % *		8.5	46.9		
SHEEP TDN % *		9.8	53.9		
CALCIUM	%	0.09	0.50		2
COPPER	MG/KG	16.7	92.1		2
IRON	%	0.005	0.028		2
MAGNESIUM	%	0.03	0.16		2
MANGANESE	MG/KG	5.6	31.1		2
PHOSPHORUS	%	0.04	0.21		2
POTASSIUM	%	0.35	1.92		2
SODIUM	%	0.01	0.08		2

CHLORIS POLYDACTYLA, CHLORIS, HANYSPIKED

CHLORIS POLYDACTYLA HANYSPIKED, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-938

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.9	100.0		1
ORGANIC MATTER	%	32.4	92.9		1
ASH	%	2.5	7.1		1
CRUDE FIBER	%	10.1	28.9		1
ETHER EXTRACT	%	0.7	2.0		1
NITROGEN FREE EXTRACT	%	18.5	52.9		1
PROTEIN	%	3.2	9.1		1
CATTLE DIG PROT % *		2.0	5.6		
GOATS DIG PROT % *		1.8	5.1		
HORSES DIG PROT % *		1.8	5.3		
RABBITS DIG PROT % *		2.0	5.7		
SHEEP DIG PROT % *		1.9	5.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.94	2.68		
SHEEP DE MCAL/KG *		0.94	2.71		
CATTLE ME MCAL/KG *		0.77	2.20		
SHEEP ME MCAL/KG *		0.77	2.22		
CATTLE NE-M MCAL/KG *		0.45	1.30		
CATTLE NE-GAIN MCAL/KG *		0.24	0.68		
CATTLE NE-LACTATION MCAL/KG *		0.48	1.38		
CATTLE TDN % *		21.2	60.8		
SHEEP TDN % *		21.4	61.4		
CALCIUM	%	0.12	0.34		1
PHOSPHORUS	%	0.09	0.27		1

CHLORIS SPP, CHLORIS

CHLORIS SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-937

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.2	100.0		1
ORGANIC MATTER	%	21.0	90.6		
ASH	%	2.2	9.4		1
CRUDE FIBER	%	8.7	37.3		1
ETHER EXTRACT	%	0.3	1.2		1
NITROGEN FREE EXTRACT	%	10.2	44.0		1
PROTEIN	%	1.9	8.0		1
CATTLE DIG PROT % *		1.1	4.7		
GOATS DIG PROT % *		0.9	4.0		
HORSES DIG PROT % *		1.0	4.3		
RABBITS DIG PROT % *		1.1	4.9		
SHEEP DIG PROT % *		1.0	4.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.56	2.42		
SHEEP DE MCAL/KG *		0.56	2.41		
CATTLE ME MCAL/KG *		0.46	1.99		
SHEEP ME MCAL/KG *		0.46	1.98		
CATTLE NE-M MCAL/KG *		0.27	1.17		
CATTLE NE-GAIN MCAL/KG *		0.11	0.47		
CATTLE NE-LACTATION MCAL/KG *		0.27	1.18		
CATTLE TDN % *		12.7	54.9		
SHEEP TDN % *		12.7	54.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CHLORIS SPP. WINDMILLGRASS					
CHLORIS SPP. AERIAL PART. FRESH. (2)					
REF NO 2-05-479					
DRY MATTER		%	20.0	100.0	1
ORGANIC MATTER		%	17.9	89.3	
ASH		%	2.1	10.7	1
CRUDE FIBER		%	7.4	37.0	1
ETHER EXTRACT		%	0.3	1.3	1
NITROGEN FREE EXTRACT		%	7.1	35.4	1
PROTEIN		%	3.1	15.6	1
CATTLE	DIG PROT	% *	2.2	11.2	
GOATS	DIG PROT	% *	2.2	11.1	
HORSES	DIG PROT	% *	2.2	10.8	
RABBITS	DIG PROT	% *	2.1	10.7	
SHEEP	DIG PROT	% *	2.3	11.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.56	2.81	
SHEEP	DE	MCAL/KG *	0.50	2.52	
CATTLE	ME	MCAL/KG *	0.46	2.30	
SHEEP	ME	MCAL/KG *	0.41	2.07	
CATTLE	NE-M	MCAL/KG *	0.27	1.37	
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.78	
CATTLE	NE-LACTATION	MCAL/KG *	0.30	1.48	
CATTLE	TDN	% *	12.7	63.7	
SHEEP	TDN	% *	11.4	57.1	
CHOPPED ALFALFA HAY (AAFCO) =SEE MEDICAGO SATIVA. HAY. SPC CHOPPED. (1)					
CICER ARIETINUM. CHICKPEA. GRAM					
CICER ARIETINUM GRAM. STRAW. (1)					
REF NO 1-01-217					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		79.1	
ASH		%		20.9	1
CRUDE FIBER		%		23.2	1
ETHER EXTRACT		%		1.8	1
NITROGEN FREE EXTRACT		%		46.8	1
PROTEIN		%		7.4	1
CATTLE	DIG PROT	% *		3.3	
GOATS	DIG PROT	% *		3.4	
HORSES	DIG PROT	% *		3.8	
RABBITS	DIG PROT	% *		4.4	
SHEEP	DIG PROT	% *		3.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.17	
HORSES	DE	MCAL/KG *		1.82	
SHEEP	DE	MCAL/KG *		2.13	
CATTLE	ME	MCAL/KG *		1.78	
HORSES	ME	MCAL/KG *		1.49	
SHEEP	ME	MCAL/KG *		1.74	
CATTLE	NE-M	MCAL/KG *		1.05	
CATTLE	NE-GAIN	MCAL/KG *		0.25	
CATTLE	NE-LACTATION	MCAL/KG *		0.98	
CATTLE	TDN	% *		49.3	
HORSES	TDN	% *		45.2	
SHEEP	TDN	% *		48.2	
CICER ARIETINUM GRAM. AERIAL PART. FRESH. (2)					
REF NO 2-13-457					
DRY MATTER		%	36.5	100.0	1
ORGANIC MATTER		%	33.6	92.1	
ASH		%	2.9	7.9	1
CRUDE FIBER		%	7.8	21.4	1
ETHER EXTRACT		%	0.9	2.5	1
NITROGEN FREE EXTRACT		%	19.0	52.1	1
PROTEIN		%	5.9	16.2	1
CATTLE	DIG PROT	% *	4.2	11.6	
GOATS	DIG PROT	% *	4.2	11.6	
HORSES	DIG PROT	% *	4.1	11.3	
RABBITS	DIG PROT	% *	4.1	11.1	
SHEEP	DIG PROT	% *	4.4	12.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.17	3.19	
SHEEP	DE	MCAL/KG *	1.08	2.97	
CATTLE	ME	MCAL/KG *	0.96	2.62	
SHEEP	ME	MCAL/KG *	0.89	2.43	
CATTLE	NE-M	MCAL/KG *	0.59	1.62	
CATTLE	NE-GAIN	MCAL/KG *	0.38	1.04	
CATTLE	NE-LACTATION	MCAL/KG *	0.65	1.78	
CATTLE	TDN	% *	26.4	72.5	
SHEEP	TDN	% *	24.6	67.3	
CALCIUM		%	0.62	1.70	1
PHOSPHORUS		%	0.10	0.27	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CICER ARIETINUM GRAM. SEEDS. GRND. (4)					
REF NO 4-17-518					
DRY MATTER		%	92.7	100.0	3
ORGANIC MATTER		%	88.2	95.1	
ASH		%	4.5	4.9	3
CRUDE FIBER		%	10.4	11.3	3
ETHER EXTRACT		%	4.0	4.3	3
NITROGEN FREE EXTRACT		%	55.6	60.0	3
PROTEIN		%	18.1	19.6	3
CATTLE	DIG PROT	% *	13.0	14.0	
GOATS	DIG PROT	% *	14.0	15.2	
HORSES	DIG PROT	% *	14.0	15.2	
SHEEP	DIG PROT	% *	14.0	15.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	3.02	3.26	
SHEEP	DE	MCAL/KG *	3.06	3.30	
SWINE	DE	KCAL/KG *	2985.	3219.	
CATTLE	ME	MCAL/KG *	2.46	2.67	
SHEEP	ME	MCAL/KG *	2.51	2.71	
SWINE	ME	KCAL/KG *	2748.	2963.	
CATTLE	NE-M	MCAL/KG *	1.54	1.66	
CATTLE	NE-GAIN	MCAL/KG *	1.01	1.08	
CATTLE	NE-LACTATION	MCAL/KG *	1.70	1.83	
CATTLE	TDN	% *	68.5	73.9	
SHEEP	TDN	% *	69.5	74.9	
SWINE	TDN	% *	67.7	73.0	
CICER ARIETINUM GRAM. SEEDS. (5) GRAM GARBANZOS					
REF NO 5-01-218					
DRY MATTER		%	91.7	100.0	3
ORGANIC MATTER		%	(87.6)	(95.5)	
ASH		%	(4.1)	(4.5)	2
CRUDE FIBER		%	(6.0)	(6.6)	2
ETHER EXTRACT		%	(4.4)	(4.8)	2
NITROGEN FREE EXTRACT		%	(57.0)	(62.2)	2
PROTEIN		%	(20.2)	(22.0)	3
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	(3.65)	(3.98)	
SHEEP	DE	MCAL/KG *	(3.60)	(3.93)	
CATTLE	ME	MCAL/KG *	(2.99)	(3.27)	
SHEEP	ME	MCAL/KG *	(2.96)	(3.22)	
CATTLE	NE-M	MCAL/KG *	(2.06)	(2.25)	
CATTLE	NE-GAIN	MCAL/KG *	(1.34)	(1.46)	
CATTLE	NE-LACTATION	MCAL/KG *	(2.20)	(2.39)	
CATTLE	TDN	% *	(82.8)	(90.3)	
SHEEP	TDN	% *	81.8	89.2	
ALANINE		%	0.97	1.06	2
ARGININE		%	2.39	2.61	1
ASPARTIC ACID		%	2.42	2.64	1
CYSTINE		%	0.16	0.18	2
GLUTAMIC ACID		%	3.69	4.02	1
GLYCINE		%	0.75	0.82	2
HISTIDINE		%	0.74	0.81	2
ISOLEUCINE		%	0.94	1.03	2
LEUCINE		%	1.42	1.55	2
LYSINE		%	1.21	1.32	2
METHIONINE		%	0.16	0.17	3
PHENYLALANINE		%	1.09	1.19	2
PROLINE		%	0.92	1.00	2
SERINE		%	0.81	0.89	2
THREONINE		%	0.71	0.78	2
TRYPTOPHAN		%	0.13	0.14	1
TYROSINE		%	1.12	1.22	2
VALINE		%	0.94	1.03	2
CITRULLUS VULGARIS. WATERMELON					
CITRULLUS VULGARIS. FRUIT NO PEELINGS. FRESH. (4)					
REF NO 4-13-368					
DRY MATTER		%	9.5	100.0	1
ORGANIC MATTER		%	9.2	96.8	
ASH		%	0.3	3.2	1
CRUDE FIBER		%	0.1	1.1	1
ETHER EXTRACT		%	0.1	1.1	1
NITROGEN FREE EXTRACT		%	8.4	88.4	
PROTEIN		%	0.6	6.3	1
CATTLE	DIG PROT	% *	0.2	1.8	
GOATS	DIG PROT	% *	0.3	3.0	
HORSES	DIG PROT	% *	0.3	3.0	
SHEEP	DIG PROT	% *	0.3	3.0	
ENERGY	GE	KCAL/KG			
SWINE	DE	KCAL/KG *	367.	3864.	
SWINE	ME	KCAL/KG *	348.	3660.	
SWINE	TDN	% *	8.3	87.6	
CALCIUM		%	0.01	0.11	1
IRON		%	0.001	0.011	1
PHOSPHORUS		%	0.01	0.11	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ASCORBIC ACID	MG/KG	49.0	515.8		1
NIACIN	MG/KG	2.4	25.3		1
RIBOFLAVIN	MG/KG	0.4	4.2		1
THIAMINE	MG/KG	0.4	4.2		1
VITAMIN A EQUIV	IU/G	7.0	73.7		

CITRUS AURANTIFOLIA, CITRUS, LIME

CITRUS AURANTIFOLIA LIME, FRUIT, FRESH, (4)

REF NO 4-01-248

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	48.0	100.0		1
ORGANIC MATTER	%	46.3	96.5		
ASH	%	1.7	3.5		1
CRUDE FIBER	%	8.0	16.6		1
ETHER EXTRACT	%	1.0	2.1		1
NITROGEN FREE EXTRACT	%	35.4	73.6		1
PROTEIN	%	2.0	4.2		1
CATTLE DIG PROT	% *	-0.1	-0.2		
GOATS DIG PROT	% *	0.5	1.1		
HORSES DIG PROT	% *	0.5	1.1		
SHEEP DIG PROT	% *	0.5	1.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.44	3.00		
SHEEP DE	MCAL/KG *	1.65	3.44		
SWINE DE	KCAL/KG *	1626.	3388.		
CATTLE ME	MCAL/KG *	1.18	2.46		
SHEEP ME	MCAL/KG *	1.36	2.82		
SWINE ME	KCAL/KG *	1547.	3224.		
CATTLE NE-M	MCAL/KG *	0.71	1.49		
CATTLE NE-GAIN	MCAL/KG *	0.44	0.92		
CATTLE NE-LACTATION	MCAL/KG *	0.78	1.63		
CATTLE	TDN % *	32.6	68.0		
SHEEP	TDN % *	37.5	78.1		
SWINE	TDN % *	36.9	76.8		

CITRUS AURANTIFOLIA LIME, FRUIT WO PEELINGS, FRESH, (4)

REF NO 4-11-758

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	11.3	100.0		1
ORGANIC MATTER	%	10.8	95.5		
ASH	%	0.5	4.5		1
CRUDE FIBER	%	0.9	7.9		1
ETHER EXTRACT	%	0.6	5.6		1
NITROGEN FREE EXTRACT	%	8.4	74.3		1
PROTEIN	%	0.9	7.7		1
CATTLE DIG PROT	% *	0.3	3.1		
GOATS DIG PROT	% *	0.5	4.3		
HORSES DIG PROT	% *	0.5	4.3		
SHEEP DIG PROT	% *	0.5	4.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.34	3.02		
SHEEP DE	MCAL/KG *	0.40	3.50		
SWINE DE	KCAL/KG *	399.	3527.		
CATTLE ME	MCAL/KG *	0.28	2.48		
SHEEP ME	MCAL/KG *	0.32	2.87		
SWINE ME	KCAL/KG *	376.	3331.		
CATTLE NE-M	MCAL/KG *	0.17	1.50		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.93		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.65		
CATTLE	TDN % *	7.7	68.6		
SHEEP	TDN % *	9.0	79.5		
SWINE	TDN % *	9.0	80.0		

CITRUS AURANTIFOLIA LIME, FRUIT WO PEELINGS WO SEEDS, FRESH, (4)

REF NO 4-15-415

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	10.6	100.0		1
ORGANIC MATTER	%	10.3	97.2		
ASH	%	0.3	2.8		1
CRUDE FIBER	%	0.8	7.5		1
ETHER EXTRACT	%	0.5	4.7		1
NITROGEN FREE EXTRACT	%	8.6	81.1		
PROTEIN	%	0.4	3.8		1
CATTLE DIG PROT	% *	-0.1	-0.5		
GOATS DIG PROT	% *	0.1	0.7		
HORSES DIG PROT	% *	0.1	0.7		
SHEEP DIG PROT	% *	0.1	0.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.32	3.04		
SHEEP DE	MCAL/KG *	0.38	3.63		
SWINE DE	KCAL/KG *	385.	3635.		
CATTLE ME	MCAL/KG *	0.26	2.49		
SHEEP ME	MCAL/KG *	0.32	2.97		
SWINE ME	KCAL/KG *	367.	3461.		
CATTLE NE-M	MCAL/KG *	0.16	1.51		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.94		
CATTLE NE-LACTATION	MCAL/KG *	0.18	1.66		
CATTLE	TDN % *	7.3	68.9		
SHEEP	TDN % *	8.7	82.3		
SWINE	TDN % *	8.7	82.4		
CALCIUM	%	0.02	0.19		1
IRON	%	0.001	0.009		1
PHOSPHORUS	%	0.02	0.19		1
ASCORBIC ACID	MG/KG	40.9	385.8		1
NIACIN	MG/KG	7.0	66.0		1
RIBOFLAVIN	MG/KG	0.6	5.7		1
THIAMINE	MG/KG	0.2	1.9		1

CITRUS AURANTIUM, CITRUS, SOUR ORANGE

CITRUS AURANTIUM SOUR ORANGE, FRUIT WO PEELINGS WO SEEDS, FRESH, (4)

REF NO 4-15-416

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	12.3	100.0		1
ORGANIC MATTER	%	11.9	96.7		
ASH	%	0.4	3.3		1
CRUDE FIBER	%	0.8	6.5		1
ETHER EXTRACT	%	0.2	1.6		1
NITROGEN FREE EXTRACT	%	10.3	83.7		
PROTEIN	%	0.6	4.9		1
CATTLE DIG PROT	% *	0.1	0.5		
GOATS DIG PROT	% *	0.2	1.7		
HORSES DIG PROT	% *	0.2	1.7		
SHEEP DIG PROT	% *	0.2	1.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.40	3.28		
SHEEP DE	MCAL/KG *	0.45	3.70		
SWINE DE	KCAL/KG *	472.	3834.		
CATTLE ME	MCAL/KG *	0.33	2.69		
SHEEP ME	MCAL/KG *	0.37	3.03		
SWINE ME	KCAL/KG *	448.	3643.		
CATTLE NE-M	MCAL/KG *	0.21	1.67		
CATTLE NE-GAIN	MCAL/KG *	0.13	1.09		
CATTLE NE-LACTATION	MCAL/KG *	0.23	1.84		
CATTLE	TDN % *	9.1	74.3		
SHEEP	TDN % *	10.3	83.8		
SWINE	TDN % *	10.7	87.0		
CALCIUM	%	0.04	0.33		1
IRON	%	0.001	0.008		1
PHOSPHORUS	%	0.03	0.24		1
ASCORBIC ACID	MG/KG	57.2	465.0		1
NIACIN	MG/KG	5.2	42.3		1
RIBOFLAVIN	MG/KG	1.2	9.8		1
THIAMINE	MG/KG	0.4	3.3		1

CITRUS AURANTIUM SOUR ORANGE, PULP WO FINES, SHREDDED DEHY, (4)

REF NO 4-13-690

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.3	100.0		1
ORGANIC MATTER	%	86.9	92.2		
ASH	%	7.4	7.8		1
CRUDE FIBER	%	15.0	15.9		1
ETHER EXTRACT	%	3.4	3.6		1
NITROGEN FREE EXTRACT	%	63.4	67.2		1
PROTEIN	%	5.2	5.5		1
CATTLE DIG PROT	% *	1.0	1.1		
GOATS DIG PROT	% *	2.1	2.3		
HORSES DIG PROT	% *	2.1	2.3		
SHEEP DIG PROT	% *	2.1	2.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.15	2.28		
SHEEP DE	MCAL/KG *	2.99	3.17		
SWINE DE	KCAL/KG *	2808.	2978.		
CATTLE ME	MCAL/KG *	1.76	1.87		
SHEEP ME	MCAL/KG *	2.45	2.60		
SWINE ME	KCAL/KG *	2665.	2826.		
CATTLE NE-M	MCAL/KG *	1.04	1.10		
CATTLE NE-GAIN	MCAL/KG *	0.32	0.34		
CATTLE NE-LACTATION	MCAL/KG *	1.00	1.06		
CATTLE	TDN % *	48.7	51.6		
SHEEP	TDN % *	67.8	71.9		
SWINE	TDN % *	63.7	67.5		

CITRUS AURANTIUM SOUR ORANGE, SEEDS, SOLV EXTD GRND, (5)

REF NO 5-13-689

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.6	100.0		1
ORGANIC MATTER	%	21.4	93.7		
ASH	%	1.4	6.3		1
CRUDE FIBER	%	5.0	22.0		1
ETHER EXTRACT	%	0.2	1.0		1
NITROGEN FREE EXTRACT	%	8.5	37.4		1
PROTEIN	%	7.6	33.3		1
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	0.64	2.83		
SHEEP ME	MCAL/KG *	0.53	2.32		
SHEEP	TDN % *	14.6	64.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CITRUS GRANDIS, PUMMELO					
CITRUS GRANDIS, FRUIT, FRESH, (4)					
REF NO 4-13-538					
DRY MATTER	%	23.8	100.0		1
ORGANIC MATTER	%	22.8	95.9		
ASH	%	1.0	4.1		1
CRUDE FIBER	%	3.7	15.5		1
ETHER EXTRACT	%	0.7	2.8		1
NITROGEN FREE EXTRACT	%	16.8	70.5		1
PROTEIN	%	1.7	7.2		1
CATTLE	DIG PROT % *	0.6	2.6		
GOATS	DIG PROT % *	0.9	3.8		
HORSES	DIG PROT % *	0.9	3.8		
SHEEP	DIG PROT % *	0.9	3.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.68	2.88		
SHEEP	DE MCAL/KG *	0.80	3.38		
SWINE	DE KCAL/KG *	774.	3250.		
CATTLE	ME MCAL/KG *	0.56	2.36		
SHEEP	ME MCAL/KG *	0.66	2.77		
SWINE	ME KCAL/KG *	731.	3073.		
CATTLE	NE-M MCAL/KG *	0.34	1.42		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.83		
CATTLE	NE-LACTATION MCAL/KG *	0.36	1.53		
CATTLE	TDN % *	15.5	65.3		
SHEEP	TDN % *	18.2	76.6		
SWINE	TDN % *	17.5	73.7		
CITRUS LIMON, CITRUS, LEMON					
CITRUS LIMON LEMON, FRUIT, FRESH, (4)					
REF NO 4-01-246					
DRY MATTER	%	34.3	100.0		1
ORGANIC MATTER	%	32.3	94.2		
ASH	%	2.0	5.8		1
CRUDE FIBER	%	5.9	17.1		1
ETHER EXTRACT	%	0.7	1.9		1
NITROGEN FREE EXTRACT	%	23.6	68.9		1
PROTEIN	%	2.2	6.3		1
CATTLE	DIG PROT % *	0.6	1.8		
GOATS	DIG PROT % *	1.0	3.0		
HORSES	DIG PROT % *	1.0	3.0		
SHEEP	DIG PROT % *	1.0	3.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.90	2.64		
SHEEP	DE MCAL/KG *	1.14	3.31		
SWINE	DE KCAL/KG *	1056.	3080.		
CATTLE	ME MCAL/KG *	0.74	2.16		
SHEEP	ME MCAL/KG *	0.93	2.72		
SWINE	ME KCAL/KG *	1001.	2918.		
CATTLE	NE-M MCAL/KG *	0.44	1.28		
CATTLE	NE-GAIN MCAL/KG *	0.22	0.65		
CATTLE	NE-LACTATION MCAL/KG *	0.46	1.34		
CATTLE	TDN % *	20.5	59.8		
SHEEP	TDN % *	25.8	75.1		
SWINE	TDN % *	24.0	69.9		
CITRUS LIMON LEMON, FRUIT NO PEELINGS, FRESH, (4)					
REF NO 4-11-754					
DRY MATTER	%	11.1	100.0		1
ORGANIC MATTER	%	10.6	95.2		
ASH	%	0.5	4.8		1
CRUDE FIBER	%	0.8	7.1		1
ETHER EXTRACT	%	0.4	4.0		1
NITROGEN FREE EXTRACT	%	8.6	77.4		1
PROTEIN	%	0.7	6.7		1
CATTLE	DIG PROT % *	0.2	2.2		
GOATS	DIG PROT % *	0.4	3.4		
HORSES	DIG PROT % *	0.4	3.4		
SHEEP	DIG PROT % *	0.4	3.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.32	2.92		
SHEEP	DE MCAL/KG *	0.40	3.56		
SWINE	DE KCAL/KG *	397.	3580.		
CATTLE	ME MCAL/KG *	0.27	2.40		
SHEEP	ME MCAL/KG *	0.32	2.92		
SWINE	ME KCAL/KG *	376.	3388.		
CATTLE	NE-M MCAL/KG *	0.16	1.44		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.86		
CATTLE	NE-LACTATION MCAL/KG *	0.17	1.57		
CATTLE	TDN % *	7.4	66.3		
SHEEP	TDN % *	9.0	80.7		
SWINE	TDN % *	9.0	81.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CITRUS LIMON LEMON, FRUIT NO PEELINGS NO SEEDS, FRESH, (4)					
REF NO 4-15-416					
DRY MATTER	%	11.5	100.0	20	6
ORGANIC MATTER	%	11.1	96.7		
ASH	%	0.4	3.3	19	6
CRUDE FIBER	%	0.6	4.9	29	6
ETHER EXTRACT	%	0.3	3.0	28	6
NITROGEN FREE EXTRACT	%	9.5	83.3		
PROTEIN	%	0.6	5.5	17	6
CATTLE	DIG PROT % *	0.1	1.0		
GOATS	DIG PROT % *	0.3	2.2		
HORSES	DIG PROT % *	0.3	2.2		
SHEEP	DIG PROT % *	0.3	2.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.36	3.16		
SHEEP	DE MCAL/KG *	0.42	3.71		
SWINE	DE KCAL/KG *	428.	3735.		
CATTLE	ME MCAL/KG *	0.30	2.59		
SHEEP	ME MCAL/KG *	0.35	3.04		
SWINE	ME KCAL/KG *	406.	3545.		
CATTLE	NE-M MCAL/KG *	0.18	1.59		
CATTLE	NE-GAIN MCAL/KG *	0.12	1.02		
CATTLE	NE-LACTATION MCAL/KG *	0.20	1.75		
CATTLE	TDN % *	8.2	71.7		
SHEEP	TDN % *	9.6	84.2		
SWINE	TDN % *	9.7	84.7		
CALCIUM	%	0.03	0.24	20	6
IRON	%	0.001	0.009	21	4
PHOSPHORUS	%	0.03	0.22	18	6
ASCORBIC ACID	MG/KG	32.8	286.2	31	6
NIACIN	MG/KG	9.8	85.8	62	6
RIBOFLAVIN	MG/KG	0.5	4.2	27	6
THIAMINE	MG/KG	0.3	2.7	34	6
VITAMIN A EQUIV	IU/G	0.7	6.4		
CITRUS LIMON LEMON, PULP, (4)					
REF NO 4-11-753					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.3		
ASH	%		4.7		1
CRUDE FIBER	%		15.9		1
ETHER EXTRACT	%		3.2		1
NITROGEN FREE EXTRACT	%		69.3		1
PROTEIN	%		6.9		1
CATTLE	DIG PROT % *		2.4		
GOATS	DIG PROT % *		3.6		
HORSES	DIG PROT % *		3.6		
SHEEP	DIG PROT % *		3.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.76		
SHEEP	DE MCAL/KG *		3.32		
SWINE	DE KCAL/KG *		3167.		
CATTLE	ME MCAL/KG *		2.27		
SHEEP	ME MCAL/KG *		2.72		
SWINE	ME KCAL/KG *		2996.		
CATTLE	NE-M MCAL/KG *		1.35		
CATTLE	NE-GAIN MCAL/KG *		0.75		
CATTLE	NE-LACTATION MCAL/KG *		1.44		
CATTLE	TDN % *		62.7		
SHEEP	TDN % *		75.3		
SWINE	TDN % *		71.8		
CITRUS MEAL, DRIED =SEE CITRUS SPP, PULP FINES, SHREDDED DEHY, (4)					
CITRUS MOLASSES (AAFCO) =SEE CITRUS SPP, SYRUP, MN 45% INVERT SUGAR MN 71 DEGREES BRIX, (4)					
CITRUS PARADISI, CITRUS, GRAPEFRUIT					
CITRUS PARADISI GRAPEFRUIT, FRUIT, FRESH, (4)					
REF NO 4-01-242					
DRY MATTER	%	24.6	100.0		1
ORGANIC MATTER	%	23.3	94.6		
ASH	%	1.3	5.4		1
CRUDE FIBER	%	4.4	17.8		1
ETHER EXTRACT	%	1.3	5.3		1
NITROGEN FREE EXTRACT	%	16.1	65.3		1
PROTEIN	%	1.5	6.2		1
CATTLE	DIG PROT % *	0.4	1.7		
GOATS	DIG PROT % *	0.7	2.9		
HORSES	DIG PROT % *	0.7	2.9		
SHEEP	DIG PROT % *	0.7	2.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.65	2.65		
SHEEP	DE MCAL/KG *	0.77	3.13		
SWINE	DE KCAL/KG *	719.	2921.		
CATTLE	ME MCAL/KG *	0.53	2.17		
SHEEP	ME MCAL/KG *	0.63	2.56		
SWINE	ME KCAL/KG *	681.	2768.		
CATTLE	NE-M MCAL/KG *	0.32	1.29		
CATTLE	NE-GAIN MCAL/KG *	0.16	0.66		
CATTLE	NE-LACTATION MCAL/KG *	0.33	1.35		
CATTLE	TDN % *	14.8	60.1		
SHEEP	TDN % *	17.4	70.9		
SWINE	TDN % *	16.3	66.3		

CITRUS PARADISI GRAPEFRUIT, FRUIT NO PEELINGS, FRESH, (4)

REF NO 4-11-755

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	14.3	100.0		1
ORGANIC MATTER	%	13.5	94.7		
ASH	%	0.8	5.3		1
CRUDE FIBER	%	1.1	8.0		1
ETHER EXTRACT	%	1.9	13.3		1
NITROGEN FREE EXTRACT	%	9.1	63.4		1
PROTEIN	%	1.4	10.0		1
CATTLE	DIG PROT % *	0.7	5.2		
GOATS	DIG PROT % *	0.9	6.4		
HORSES	DIG PROT % *	0.9	6.4		
SHEEP	DIG PROT % *	0.9	6.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.62	4.30		
SHEEP	DE MCAL/KG *	0.51	3.55		
SWINE	DE KCAL/KG *	537.	3752.		
CATTLE	ME MCAL/KG *	0.50	3.53		
SHEEP	ME MCAL/KG *	0.42	2.91		
SWINE	ME KCAL/KG *	504.	3526.		
CATTLE	NE-M MCAL/KG *	0.37	2.57		
CATTLE	NE-GAIN MCAL/KG *	0.23	1.60		
CATTLE	NE-LACTATION MCAL/KG *	0.38	2.64		
CATTLE	TDN % *	13.9	97.6		
SHEEP	TDN % *	11.5	80.5		
SWINE	TDN % *	12.2	85.1		

CITRUS PARADISI GRAPEFRUIT, FRUIT NO PEELINGS NO SEEDS, FRESH, (4)

REF NO 4-15-414

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	11.9	100.0	17	4
ORGANIC MATTER	%	11.6	97.1		
ASH	%	0.4	2.9	6	4
CRUDE FIBER	%	0.3	2.3	21	4
ETHER EXTRACT	%	0.2	1.7	18	4
NITROGEN FREE EXTRACT	%	10.5	88.2		
PROTEIN	%	0.6	4.9	16	4
CATTLE	DIG PROT % *	0.1	0.5		
GOATS	DIG PROT % *	0.2	1.7		
HORSES	DIG PROT % *	0.2	1.7		
SHEEP	DIG PROT % *	0.2	1.7		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.45	3.81		
SWINE	DE KCAL/KG *	459.	3848.		
SHEEP	ME MCAL/KG *	0.37	3.12		
SWINE	ME KCAL/KG *	436.	3656.		
SHEEP	TDN % *	10.3	86.3		
SWINE	TDN % *	10.4	87.3		
CALCIUM	%	0.01	0.12	23	4
IRON	%	0.002	0.020		2
PHOSPHORUS	%	0.02	0.17	18	4
ASCORBIC ACID	MG/KG	116.1	973.7	98	4
NIACIN	MG/KG	6.1	51.5	24	4
RIBOFLAVIN	MG/KG	0.6	4.8	11	4
THIAMINE	MG/KG	0.3	2.5	36	4
VITAMIN A EQUIV	IU/G	0.1	1.2		

CITRUS PULP, DRIED
-SEE CITRUS SPP, PULP NO FINES, SHREDDED DEHY, (4)

CITRUS RETICULATA, CITRUS, ORANGE MANDARIN

CITRUS RETICULATA ORANGE MANDARIN, FRUIT NO PEELINGS NO SEEDS, FRESH, (4)

REF NO 4-15-419

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.4	100.0		2
ORGANIC MATTER	%	18.9	97.8		
ASH	%	0.4	2.2		2
CRUDE FIBER	%	0.6	3.0		2
ETHER EXTRACT	%	0.3	1.5		2
NITROGEN FREE EXTRACT	%	17.2	88.8		
PROTEIN	%	0.9	4.4		2
CATTLE	DIG PROT % *	0.0	0.1		
GOATS	DIG PROT % *	0.3	1.3		
HORSES	DIG PROT % *	0.3	1.3		
SHEEP	DIG PROT % *	0.3	1.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.74	3.82		
SWINE	DE KCAL/KG *	756.	3909.		
SHEEP	ME MCAL/KG *	0.61	3.13		
SWINE	ME KCAL/KG *	719.	3718.		
SHEEP	TDN % *	16.7	86.5		
SWINE	TDN % *	17.2	88.7		
CALCIUM	%	0.02	0.13		2
IRON	%	0.001	0.004		1
PHOSPHORUS	%	0.02	0.13		2
ASCORBIC ACID	MG/KG	39.3	203.2		2
NIACIN	MG/KG	17.0	87.6		2
RIBOFLAVIN	MG/KG	0.7	3.6		2
THIAMINE	MG/KG	0.6	3.0		2
VITAMIN A EQUIV	IU/G	3.2	16.5		

CITRUS RETICULATA, CITRUS, TANGERINE

CITRUS RETICULATA TANGERINE, FRUIT, FRESH, (4)

REF NO 4-01-256

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.6	100.0		2
ORGANIC MATTER	%	18.8	96.2		
ASH	%	0.8	3.8		2
CRUDE FIBER	%	2.2	11.4		2
ETHER EXTRACT	%	0.8	4.1		2
NITROGEN FREE EXTRACT	%	14.7	75.0		2
PROTEIN	%	1.1	5.7		2
CATTLE	DIG PROT % *	0.2	1.2		
GOATS	DIG PROT % *	0.5	2.4		
HORSES	DIG PROT % *	0.5	2.4		
SHEEP	DIG PROT % *	0.5	2.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.57	2.93		
SHEEP	DE MCAL/KG *	0.68	3.47		
SWINE	DE KCAL/KG *	681.	3486.		
CATTLE	ME MCAL/KG *	0.47	2.40		
SHEEP	ME MCAL/KG *	0.56	2.85		
SWINE	ME KCAL/KG *	646.	3306.		
CATTLE	NE-M MCAL/KG *	0.28	1.45		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.87		
CATTLE	NE-LACTATION MCAL/KG *	0.31	1.57		
CATTLE	TDN % *	13.0	66.4		
SHEEP	TDN % *	15.4	78.7		
SWINE	TDN % *	15.5	79.1		

CITRUS RETICULATA TANGERINE, FRUIT NO PEELINGS, FRESH, (4)

REF NO 4-11-756

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	12.3	100.0		2
ORGANIC MATTER	%	11.8	95.7		
ASH	%	0.5	4.3		2
CRUDE FIBER	%	0.6	4.7		2
ETHER EXTRACT	%	0.9	7.5		2
NITROGEN FREE EXTRACT	%	9.4	76.5		2
PROTEIN	%	0.9	7.1		2
CATTLE	DIG PROT % *	0.3	2.5		
GOATS	DIG PROT % *	0.5	3.7		
HORSES	DIG PROT % *	0.5	3.7		
SHEEP	DIG PROT % *	0.5	3.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.40	3.23		
SHEEP	DE MCAL/KG *	0.44	3.61		
SWINE	DE KCAL/KG *	441.	3582.		
CATTLE	ME MCAL/KG *	0.33	2.65		
SHEEP	ME MCAL/KG *	0.36	2.96		
SWINE	ME KCAL/KG *	417.	3388.		
CATTLE	NE-M MCAL/KG *	0.20	1.64		
CATTLE	NE-GAIN MCAL/KG *	0.13	1.07		
CATTLE	NE-LACTATION MCAL/KG *	0.22	1.81		
CATTLE	TDN % *	9.0	73.3		
SHEEP	TDN % *	10.1	81.9		
SWINE	TDN % *	10.0	81.2		

CITRUS SINENSIS, CITRUS, ORANGE

CITRUS SINENSIS ORANGE, FRUIT, FRESH, (4)

REF NO 4-01-251

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.1	100.0		1
ORGANIC MATTER	%	21.5	97.1		
ASH	%	0.6	2.9		1
CRUDE FIBER	%	2.5	11.5		1
ETHER EXTRACT	%	1.0	4.3		1
NITROGEN FREE EXTRACT	%	17.1	77.2		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PROTEIN	%	0.9	4.1		1
CATTLE	DIG PROT % *	-0.0	-0.2		
GOATS	DIG PROT % *	0.2	1.0		
HORSES	DIG PROT % *	0.2	1.0		
SHEEP	DIG PROT % *	0.2	1.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.66	3.01		
SHEEP	DE MCAL/KG *	0.78	3.52		
SWINE	DE KCAL/KG *	784.	3549.		
CATTLE	ME MCAL/KG *	0.54	2.47		
SHEEP	ME MCAL/KG *	0.64	2.88		
SWINE	ME KCAL/KG *	747.	3378.		
CATTLE	NE-M MCAL/KG *	0.33	1.49		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.92		
CATTLE	NE-LACTATION MCAL/KG *	0.36	1.63		
CATTLE	TDN % *	15.1	68.2		
SHEEP	TDN % *	17.6	79.8		
SWINE	TDN % *	17.8	80.5		

CITRUS SINENSIS ORANGE, FRUIT WO PEELINGS, FRESH, (4)

REF NO 4-11-751

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	12.8	100.0		2
ORGANIC MATTER	%	12.3	96.3		
ASH	%	0.5	3.7		2
CRUDE FIBER	%	0.6	4.7		2
ETHER EXTRACT	%	0.6	4.5		2
NITROGEN FREE EXTRACT	%	10.2	79.8		2
PROTEIN	%	0.9	7.3		2
CATTLE	DIG PROT % *	0.3	2.7		
GOATS	DIG PROT % *	0.5	3.9		
HORSES	DIG PROT % *	0.5	3.9		
SHEEP	DIG PROT % *	0.5	3.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.40	3.14		
SHEEP	DE MCAL/KG *	0.47	3.67		
SWINE	DE KCAL/KG *	467.	3648.		
CATTLE	ME MCAL/KG *	0.33	2.57		
SHEEP	ME MCAL/KG *	0.39	3.01		
SWINE	ME KCAL/KG *	441.	3446.		
CATTLE	NE-M MCAL/KG *	0.20	1.58		
CATTLE	NE-GAIN MCAL/KG *	0.13	1.01		
CATTLE	NE-LACTATION MCAL/KG *	0.22	1.73		
CATTLE	TDN % *	9.1	71.1		
SHEEP	TDN % *	10.7	83.3		
SWINE	TDN % *	10.6	82.7		

CITRUS SINENSIS ORANGE, FRUIT WO PEELINGS WO SEEDS, FRESH, (4)

REF NO 4-15-417

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	13.4	100.0	8	11
ORGANIC MATTER	%	13.1	97.2		
ASH	%	0.4	2.8	18	11
CRUDE FIBER	%	0.5	3.6	20	11
ETHER EXTRACT	%	0.2	1.5	8	11
NITROGEN FREE EXTRACT	%	11.6	86.4		
PROTEIN	%	0.8	5.7	13	11
CATTLE	DIG PROT % *	0.2	1.2		
GOATS	DIG PROT % *	0.3	2.5		
HORSES	DIG PROT % *	0.3	2.5		
SHEEP	DIG PROT % *	0.3	2.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.46	3.42		
SHEEP	DE MCAL/KG *	0.51	3.78		
SWINE	DE KCAL/KG *	520.	3869.		
CATTLE	ME MCAL/KG *	0.38	2.80		
SHEEP	ME MCAL/KG *	0.42	3.10		
SWINE	ME KCAL/KG *	493.	3670.		
CATTLE	NE-M MCAL/KG *	0.24	1.78		
CATTLE	NE-GAIN MCAL/KG *	0.16	1.18		
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.96		
CATTLE	TDN % *	10.4	77.6		
SHEEP	TDN % *	11.5	85.7		
SWINE	TDN % *	11.8	87.7		
CALCIUM	%	0.03	0.19	22	11
IRON	%	0.001	0.008	9	10
PHOSPHORUS	%	0.03	0.20	16	11
ASCORBIC ACID	MG/KG	55.1	409.9	20	11
NIACIN	MG/KG	4.8	35.5	22	11
PANTOTHENIC ACID	MG/KG	0.6	4.7		1
RIBOFLAVIN	MG/KG	0.7	5.1	65	11
THIAMINE	MG/KG	0.5	4.0	14	10
VITAMIN A EQUIV	IU/G	0.4	2.8		

CITRUS SINENSIS ORANGE, PEELINGS, SHREDDED DEHY, (4)

REF NO 4-13-373

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.1		
ASH	%		4.9		1
CRUDE FIBER	%		9.8		1
ETHER EXTRACT	%		2.7		1
NITROGEN FREE EXTRACT	%		75.4		1
PROTEIN	%		7.2		1
CATTLE	DIG PROT % *		2.6		
GOATS	DIG PROT % *		3.8		
HORSES	DIG PROT % *		3.8		
SHEEP	DIG PROT % *		3.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.89		
SHEEP	DE MCAL/KG *		3.50		
SWINE	DE KCAL/KG *		3526.		
CATTLE	ME MCAL/KG *		2.37		
SHEEP	ME MCAL/KG *		2.87		
SWINE	ME KCAL/KG *		3334.		
CATTLE	NE-M MCAL/KG *		1.42		
CATTLE	NE-GAIN MCAL/KG *		0.84		
CATTLE	NE-LACTATION MCAL/KG *		1.54		
CATTLE	TDN % *		65.5		
SHEEP	TDN % *		79.5		
SWINE	TDN % *		80.0		

CITRUS SINENSIS ORANGE, PULP, SHREDDED DEHY, (4)

REF NO 4-11-750

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.7		
ASH	%		5.3		3
CRUDE FIBER	%		13.3		2
ETHER EXTRACT	%		3.3		3
NITROGEN FREE EXTRACT	%		69.4		3
PROTEIN	%		8.7	52	4
CATTLE	DIG PROT % *		4.0		
GOATS	DIG PROT % *		5.2		
HORSES	DIG PROT % *		5.2		
SHEEP	DIG PROT % *		5.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.76		
SHEEP	DE MCAL/KG *		3.34		
SWINE	DE KCAL/KG *		3248.		
CATTLE	ME MCAL/KG *		2.26		
SHEEP	ME MCAL/KG *		2.74		
SWINE	ME KCAL/KG *		3061.		
CATTLE	NE-M MCAL/KG *		1.35		
CATTLE	NE-GAIN MCAL/KG *		0.74		
CATTLE	NE-LACTATION MCAL/KG *		1.44		
CATTLE	TDN % *		62.5		
SHEEP	TDN % *		75.9		
SWINE	TDN % *		73.7		
CALCIUM	%		1.19		1
PHOSPHORUS	%		0.11		1

CITRUS SINENSIS ORANGE, PULP, SHREDDED WET, (4)
ORANGE PULP, WET

REF NO 4-01-253

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.7	100.0		1
ORGANIC MATTER	%	29.3	82.1		
ASH	%	6.4	17.9		1
CRUDE FIBER	%	6.8	19.0		1
ETHER EXTRACT	%	0.5	1.4		1
NITROGEN FREE EXTRACT	%	20.1	56.3		1
PROTEIN	%	1.9	5.3		1
CATTLE	DIG PROT % *	0.3	0.9		
GOATS	DIG PROT % *	0.8	2.1		
HORSES	DIG PROT % *	0.8	2.1		
SHEEP	DIG PROT % *	0.8	2.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.25	0.69		
SHEEP	DE MCAL/KG *	0.98	2.74		
SWINE	DE KCAL/KG *	692.	1939.		
CATTLE	ME MCAL/KG *	0.20	0.57		
SHEEP	ME MCAL/KG *	0.80	2.24		
SWINE	ME KCAL/KG *	657.	1841.		
CATTLE	NE-M MCAL/KG *	0.20	0.57		
CATTLE	NE-GAIN MCAL/KG *	-0.61	-1.71		
CATTLE	NE-LACTATION MCAL/KG *	-0.06	-0.17		
CATTLE	TDN % *	5.6	15.8		
SHEEP	TDN % *	22.2	62.1		
SWINE	TDN % *	15.7	44.0		
CALCIUM	%	2.00	5.60		1
PHOSPHORUS	%	0.01	0.03		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CITRUS SINENSIS ORANGE, PULP, WET, (4)					
REF NO 4-11-749					
DRY MATTER	%	14.9	100.0		1
ORGANIC MATTER	%	13.3	89.5		
ASH	%	1.6	10.5	29	4
CRUDE FIBER	%	2.1	14.1	31	4
ETHER EXTRACT	%	0.6	4.0	40	4
NITROGEN FREE EXTRACT	%	9.8	65.6	13	4
PROTEIN	%	0.9	5.8	30	4
CATTLE DIG PROT	% *	0.2	1.3		
GOATS DIG PROT	% *	0.4	2.5		
HORSES DIG PROT	% *	0.4	2.5		
SHEEP DIG PROT	% *	0.4	2.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.29	1.94		
SHEEP DE	MCAL/KG *	0.46	3.07		
SWINE DE	KCAL/KG *	435.	2917.		
CATTLE ME	MCAL/KG *	0.24	1.59		
SHEEP ME	MCAL/KG *	0.38	2.52		
SWINE ME	KCAL/KG *	412.	2766.		
CATTLE NE-M	MCAL/KG *	0.14	0.96		
CATTLE NE-GAIN	MCAL/KG *	0.00	0.01		
CATTLE NE-LACTATION	MCAL/KG *	0.12	0.80		
CATTLE TDN	% *	6.5	43.9		
SHEEP TDN	% *	10.4	69.7		
SWINE TDN	% *	9.9	66.1		
CITRUS SINENSIS ORANGE, PULP NO FINES, SHREDDED DEHY, (4) ORANGE PULP, DRIED					
REF NO 4-01-254					
DRY MATTER	%	87.6	100.0	2	4
ORGANIC MATTER	%	81.6	93.1		
ASH	%	6.0	6.9	38	5
SHEEP DIG COEF	%	8.	8.		
CRUDE FIBER	%	10.3	11.8	29	5
SHEEP DIG COEF	%	84.	84.		1
ETHER EXTRACT	%	4.6	5.2	70	5
SHEEP DIG COEF	%	49.	49.		1
NITROGEN FREE EXTRACT	%	59.8	68.2	9	5
SHEEP DIG COEF	%	95.	95.		1
PROTEIN	%	6.9	7.9	29	6
SHEEP DIG COEF	%	79.	79.		1
CATTLE DIG PROT	% *	2.9	3.3		
GOATS DIG PROT	% *	3.9	4.5		
HORSES DIG PROT	% *	3.9	4.5		
SHEEP DIG PROT	%	5.5	6.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.29	2.62		
SHEEP DE	MCAL/KG *	3.35	3.82		
SWINE DE	KCAL/KG *	2838.	3239.		
CATTLE ME	MCAL/KG *	1.88	2.15		
SHEEP ME	MCAL/KG *	2.75	3.13		
SWINE ME	KCAL/KG *	2679.	3057.		
CATTLE NE-M	MCAL/KG *	1.11	1.27		
CATTLE NE-GAIN	MCAL/KG *	0.56	0.63		
CATTLE NE-LACTATION	MCAL/KG *	1.16	1.33		
CATTLE TDN	% *	52.0	59.3		
SHEEP TDN	%	76.0	86.7		1
SWINE TDN	% *	64.4	73.5		
CALCIUM	%	2.22	2.53		1
PHOSPHORUS	%	(0.13)	(0.15)		1
CITRUS SPP, CITRUS					
CITRUS SPP, PULP, ENSILED, (3)					
REF NO 3-01-234					
DRY MATTER	%	(19.5)	(100.0)		1
ORGANIC MATTER	%	18.5	94.7		
ASH	%	1.0	5.3		1
CRUDE FIBER	%	3.1	15.9		1
ETHER EXTRACT	%	1.7	8.8		1
NITROGEN FREE EXTRACT	%	12.3	62.9		1
PROTEIN	%	1.4	7.1		1
CATTLE DIG PROT	% *	0.5	2.7		
GOATS DIG PROT	% *	0.5	2.7		
HORSES DIG PROT	% *	0.5	2.7		
SHEEP DIG PROT	% *	0.5	2.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.56	2.89		
SHEEP DE	MCAL/KG *	0.50	2.55		
CATTLE ME	MCAL/KG *	0.46	2.37		
SHEEP ME	MCAL/KG *	0.41	2.09		
CATTLE NE-M	MCAL/KG *	0.28	1.42		
CATTLE NE-GAIN	MCAL/KG *	0.16	0.84		
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.54		
CATTLE TDN	% *	12.8	65.5		
SHEEP TDN	% *	11.3	57.8		
CITRUS SPP, PULP, DEHY, (4)					
REF NO 4-08-652					
DRY MATTER	%	89.5	100.0	1	4
ORGANIC MATTER	%	81.1	90.6		
ASH	%	8.4	9.4	21	4
CRUDE FIBER	%	9.4	10.5	38	4
ETHER EXTRACT	%	2.8	3.1	64	4
NITROGEN FREE EXTRACT	%	61.6	68.9		3
PROTEIN	%	7.3	8.2	63	4
CATTLE DIG PROT	% *	3.1	3.5		
GOATS DIG PROT	% *	4.2	4.7		
HORSES DIG PROT	% *	4.2	4.7		
SHEEP DIG PROT	% *	4.2	4.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.01	2.25		
SHEEP DE	MCAL/KG *	2.92	3.27		
SWINE DE	KCAL/KG *	2863.	3200.		
CATTLE ME	MCAL/KG *	1.65	1.85		
SHEEP ME	MCAL/KG *	2.40	2.68		
SWINE ME	KCAL/KG *	2701.	3020.		
CATTLE NE-M	MCAL/KG *	0.97	1.09		
CATTLE NE-GAIN	MCAL/KG *	0.29	0.32		
CATTLE NE-LACTATION	MCAL/KG *	0.93	1.04		
CATTLE TDN	% *	45.7	51.0		
SHEEP TDN	% *	66.3	74.2		
SWINE TDN	% *	64.9	72.6		
CALCIUM	%	2.17	2.42		3
COPPER	MG/KG	22.4	25.0		2
IRON	%	0.018	0.020		2
MAGNESIUM	%	0.18	0.20		1
MANGANESE	MG/KG	8.9	9.9		2
PHOSPHORUS	%	0.10	0.12		3
POTASSIUM	%	0.54	0.61		2
SODIUM	%	0.11	0.12		2
CITRUS SPP, PULP, ENSILED SHREDDED DEHY, (4)					
REF NO 4-10-447					
DRY MATTER	%	85.2	100.0		1
ORGANIC MATTER	%	79.7	93.6		
ASH	%	5.5	6.4		1
CRUDE FIBER	%	8.3	9.8		1
ETHER EXTRACT	%	0.6	0.7		1
NITROGEN FREE EXTRACT	%	65.0	76.3		1
PROTEIN	%	5.8	6.8		1
CATTLE DIG PROT	% *	1.9	2.3		
GOATS DIG PROT	% *	3.0	3.5		
HORSES DIG PROT	% *	3.0	3.5		
SHEEP DIG PROT	% *	3.0	3.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.42	2.84		
SHEEP DE	MCAL/KG *	3.00	3.52		
SWINE DE	KCAL/KG *	3032.	3559.		
CATTLE ME	MCAL/KG *	1.98	2.33		
SHEEP ME	MCAL/KG *	2.46	2.88		
SWINE ME	KCAL/KG *	2869.	3368.		
CATTLE NE-M	MCAL/KG *	1.19	1.39		
CATTLE NE-GAIN	MCAL/KG *	0.68	0.80		
CATTLE NE-LACTATION	MCAL/KG *	1.28	1.50		
CATTLE TDN	% *	54.8	64.3		
SHEEP TDN	% *	68.0	79.8		
SWINE TDN	% *	68.8	80.7		
CITRUS SPP, PULP FINES, SHREDDED DEHY, (4) ORIED CITRUS MEAL (AAFCO) CITRUS MEAL, DRIED					
REF NO 4-01-235					
DRY MATTER	%	94.7	100.0		1
ORGANIC MATTER	%	83.9	88.6		
ASH	%	10.8	11.5		2
CRUDE FIBER	%	10.3	10.9		2
ETHER EXTRACT	%	1.0	1.1		2
NITROGEN FREE EXTRACT	%	68.2	72.1		2
PROTEIN	%	4.3	4.6		2
CATTLE DIG PROT	% *	0.2	0.2		
GOATS DIG PROT	% *	1.3	1.4		
HORSES DIG PROT	% *	1.3	1.4		
SHEEP DIG PROT	% *	1.3	1.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.95	2.06		
SHEEP DE	MCAL/KG *	3.11	3.29		
SWINE DE	KCAL/KG *	3076.	3248.		
CATTLE ME	MCAL/KG *	1.60	1.69		
SHEEP ME	MCAL/KG *	2.55	2.69		
SWINE ME	KCAL/KG *	2924.	3088.		
CATTLE NE-M	MCAL/KG *	0.95	1.01		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.14		
CATTLE NE-LACTATION	MCAL/KG *	0.85	0.89		
CATTLE TDN	% *	44.2	46.7		
SHEEP TDN	% *	70.6	74.5		
SWINE TDN	% *	69.8	73.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CITRUS SPP, PULP, SHREDDED DEHY, (4)						
REF NO 4-13-635						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.8		
ASH		%		5.3		2
CRUDE FIBER		%		14.9		2
ETHER EXTRACT		%		3.2		2
NITROGEN FREE EXTRACT		%		70.4		2
PROTEIN		%		6.4		2
CATTLE	DIG PROT	% *		1.8		
GOATS	DIG PROT	% *		3.1		
HORSES	DIG PROT	% *		3.1		
SHEEP	DIG PROT	% *		3.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.70		
SHEEP	DE	MCAL/KG *		3.33		
SWINE	DE	KCAL/KG *		3225.		
CATTLE	ME	MCAL/KG *		2.21		
SHEEP	ME	MCAL/KG *		2.73		
SWINE	ME	KCAL/KG *		3054.		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.70		
CATTLE	NE-LACTATION	MCAL/KG *		1.39		
CATTLE	TDN	% *		61.2		
SHEEP	TDN	% *		75.6		
SWINE	TDN	% *		73.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CITRUS SPP, PULP, WET, (4)						
REF NO 4-08-376						
DRY MATTER		%	17.8	100.0		1
ORGANIC MATTER		%	17.3	97.2	16	1
ASH		%	0.7	4.1	16	6
CRUDE FIBER		%	1.8	10.0	27	6
ETHER EXTRACT		%	0.5	3.1	64	6
NITROGEN FREE EXTRACT		%	13.5	75.9	3	6
PROTEIN		%	1.2	7.0	14	6
CATTLE	DIG PROT	% *	0.4	2.4		
GOATS	DIG PROT	% *	0.6	3.6		
HORSES	DIG PROT	% *	0.6	3.6		
SHEEP	DIG PROT	% *	0.6	3.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.53	2.98		
SHEEP	DE	MCAL/KG *	0.63	3.52		
SWINE	DE	KCAL/KG *	633.	3554.		
CATTLE	ME	MCAL/KG *	0.44	2.44		
SHEEP	ME	MCAL/KG *	0.51	2.89		
SWINE	ME	KCAL/KG *	598.	3362.		
CATTLE	NE-M	MCAL/KG *	0.26	1.48		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.90		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.61		
CATTLE	TDN	% *	12.0	67.6		
SHEEP	TDN	% *	14.2	79.9		
SWINE	TDN	% *	14.3	80.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CITRUS SPP, PULP WO FINES, SHREDDED DEHY, (4) DRIED CITRUS PULP (AAFCO) CITRUS PULP, DRIED						
REF NO 4-01-237						
DRY MATTER		%	90.1	100.0		8
ORGANIC MATTER		%	(83.9)	(93.2)		
ASH		%	(6.2)	(6.8)	2	5
CRUDE FIBER		%	(11.4)	(12.7)	18	6
ETHER EXTRACT		%	(3.5)	(3.9)	25	6
NITROGEN FREE EXTRACT		%	(62.5)	(69.5)	3	4
PROTEIN		%	(6.4)	(7.1)	3	6
CATTLE	DIG PROT	% *	(2.3)	(2.6)		
GOATS	DIG PROT	% *	(3.4)	(3.8)		
HORSES	DIG PROT	% *	(3.4)	(3.8)		
SHEEP	DIG PROT	% *	(3.4)	(3.8)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(2.27)	(2.52)		
SHEEP	DE	MCAL/KG *	(3.30)	(3.67)		
SWINE	DE	KCAL/KG *	(3294.)	(3658.)		
CATTLE	ME	MCAL/KG *	(1.86)	(2.07)		
CHICKENS	ME-N	KCAL/KG	(1315.)	(1460.)		1
SHEEP	ME	MCAL/KG *	(2.71)	(3.01)		
SWINE	ME	KCAL/KG	(2690.)	(2987.)		1
CATTLE	NE-M	MCAL/KG *	(1.10)	(1.22)		
CATTLE	NE-GAIN	MCAL/KG *	(0.50)	(0.56)		
CATTLE	NE-LACTATION	MCAL/KG *	(1.13)	(1.26)		
CHICKENS	PRODUCTIVE	KCAL/KG	(920.)	(1022.)		1
CATTLE	TDN	% *	(51.5)	(57.2)		
SHEEP	TDN	% *	(74.9)	(83.2)		
SWINE	TDN	%	(74.7)	(83.0)		1
CALCIUM		%	(1.91)	(2.12)	6	6
COPPER		MG/KG	(5.7)	(6.3)		2
IRON		%	(0.018)	(0.020)		2
MAGNESIUM		%	(0.16)	(0.18)		2
MANGANESE		MG/KG	6.9	7.6		3
PHOSPHORUS		%	(0.11)	(0.12)	42	6
CHICKENS, CHICKS AVAILABLE		%	(0.04)	(0.04)		2
POTASSIUM		%	(0.62)	(0.69)		2
ZINC		MG/KG	(14.2)	(15.8)		2
CHOLINE		MG/KG	(572.)	(635.)	66	4
NIACIN		MG/KG	(21.8)	(24.2)	1	5
PANTOTHENIC ACID		MG/KG	(13.2)	(14.6)	3	5
RIBOFLAVIN		MG/KG	(2.3)	(2.6)	5	5
THIAMINE		MG/KG	(1.4)	(1.6)		2
VITAMIN A EQUIV		IU/G	(0.4)	(0.4)		
ARGININE		%	0.23	0.25		2
CYSTINE		%	0.11	0.12		1
HISTIDINE		%	0.08	0.09		1
ISOLLUCINE		%	0.16	0.18		1
LEUCINE		%	0.28	0.31		1
LYSINE		%	0.19	0.21		2
METHIONINE		%	0.08	0.08		2
PHENYLALANINE		%	0.16	0.18		1
THREONINE		%	0.16	0.18		1
TRYPTOPHAN		%	0.06	0.06		2
VALINE		%	(0.23)	(0.25)		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CITRUS SPP, SYRUP, MN 45% INVERT SUGAR MN 71 DEGREES BRIX, (4) CITRUS MOLASSES (AAFCO)						
REF NO 4-01-241						
DRY MATTER		%	(66.9)	(100.0)	6	4
ORGANIC MATTER		%	61.6	92.0		
ASH		%	5.3	8.0		2
ETHER EXTRACT		%	0.2	0.3		3
NITROGEN FREE EXTRACT		%	56.4	84.3		3
PROTEIN		%	5.1	7.7		3
CATTLE	DIG PROT	% *	2.1	3.1		
GOATS	DIG PROT	% *	2.9	4.3		
HORSES	DIG PROT	% *	2.9	4.3		
SHEEP	DIG PROT	% *	(2.9)	(4.3)		
PECTINS		%	(1.0)	(1.5)		1
PENTOSANS		%	1.5	2.3		1
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.24	3.36		
SHEEP	ME	MCAL/KG *	1.84	2.75		
SHEEP	TDN	% *	(50.9)	(76.1)		
CALCIUM		%	(1.22)	(1.83)		3
CHLORINE		%	(0.07)	(0.10)		2
COBALT		MG/KG	(0.107)	(0.159)		1
COPPER		MG/KG	(72.2)	(108.0)		2
IRON		%	(0.034)	(0.050)		2
MAGNESIUM		%	(0.14)	(0.21)		2
MANGANESE		MG/KG	(25.7)	(38.5)		2
PHOSPHORUS		%	(0.12)	(0.17)		3
POTASSIUM		%	(0.09)	(0.14)		1
SODIUM		%	(0.27)	(0.40)		2
ZINC		MG/KG	(91.6)	(137.0)		1
NIACIN		MG/KG	(26.4)	(39.5)		2
PANTOTHENIC ACID		MG/KG	(12.4)	(18.6)		2
RIBOFLAVIN		MG/KG	6.1	9.1		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CITRUS SPP, CITRUS, ORANGE						
CITRUS SPP ORANGE, PEELINGS, DEHY, (4)						
REF NO 4-11-752						
DRY MATTER		%	94.8	100.0		1
ORGANIC MATTER		%	90.8	95.8		1
ASH		%	4.0	4.2		1
CRUDE FIBER		%	13.5	14.2		1
ETHER EXTRACT		%	1.6	1.7		1
NITROGEN FREE EXTRACT		%	70.2	74.1		1
PROTEIN		%	5.5	5.8		1
CATTLE	DIG PROT	% *	1.3	1.3		
GOATS	DIG PROT	% *	2.4	2.6		
HORSES	DIG PROT	% *	2.4	2.6		
SHEEP	DIG PROT	% *	2.4	2.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.81	2.96		
SHEEP	DE	MCAL/KG *	3.29	3.47		
SWINE	DE	KCAL/KG *	3263.	3442.		
CATTLE	ME	MCAL/KG *	2.30	2.43		
SHEEP	ME	MCAL/KG *	2.70	2.84		
SWINE	ME	KCAL/KG *	3094.	3264.		
CATTLE	NE-M	MCAL/KG *	1.39	1.47		
CATTLE	NE-GAIN	MCAL/KG *	0.84	0.89		
CATTLE	NE-LACTATION	MCAL/KG *	1.51	1.60		
CATTLE	TDN	% *	63.7	67.2		
SHEEP	TDN	% *	74.5	78.6		
SWINE	TDN	% *	74.0	78.1		

CLEMATIS SPP, CLEMATIS

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CLEMATIS SPP, BROWSE, FRESH, (2)					
REF NO 2-11-441					
DRY MATTER	%	31.5	100.0		1
ORGANIC MATTER	%	26.6	84.3		
ASH	%	4.9	15.7	42	6
CRUDE FIBER	%	6.4	20.4	23	6
ETHER EXTRACT	%	1.1	3.4	41	6
NITROGEN FREE EXTRACT	%	13.5	43.9	34	6
PROTEIN	%	5.3	16.7	33	6
CATTLE DIG PROT	% *	3.8	12.1		
GOATS DIG PROT	% *	3.8	12.1		
HORSES DIG PROT	% *	3.7	11.7		
RABBITS DIG PROT	% *	3.6	11.6		
SHEEP DIG PROT	% *	4.0	12.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.86	2.72		
SHEEP DE	MCAL/KG *	0.87	2.76		
CATTLE ME	MCAL/KG *	0.70	2.23		
SHEEP ME	MCAL/KG *	0.71	2.27		
CATTLE NE-M	MCAL/KG *	0.42	1.32		
CATTLE NE-GAIN	MCAL/KG *	0.22	0.71		
CATTLE NE-LACTATION	MCAL/KG *	0.44	1.41		
CATTLE TDN	% *	19.4	61.6		
SHEEP TDN	% *	19.7	62.7		

CLITORIA SPP, PIGEONWINGS

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CLITORIA SPP, AERIAL PART, DEHY, (1)					
REF NO 1-17-611					
DRY MATTER	%	93.4	100.0		1
ORGANIC MATTER	%	86.2	92.3		
ASH	%	7.2	7.7		1
CRUDE FIBER	%	34.7	37.2		1
ETHER EXTRACT	%	2.3	2.5		1
NITROGEN FREE EXTRACT	%	35.7	38.2		1
PROTEIN	%	13.5	14.5		1
CATTLE DIG PROT	% *	8.8	9.5		
GOATS DIG PROT	% *	9.4	10.0		
HORSES DIG PROT	% *	9.2	9.8		
RABBITS DIG PROT	% *	9.2	9.8		
SHEEP DIG PROT	% *	8.9	9.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.20	2.35		
HORSES DE	MCAL/KG *	1.79	1.91		
SHEEP DE	MCAL/KG *	2.22	2.38		
CATTLE ME	MCAL/KG *	1.80	1.93		
HORSES ME	MCAL/KG *	1.46	1.57		
SHEEP ME	MCAL/KG *	1.82	1.95		
CATTLE NE-M	MCAL/KG *	1.06	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.39	0.41		
CATTLE NE-LACTATION	MCAL/KG *	1.05	1.12		
CATTLE TDN	% *	49.8	53.3		
HORSES TDN	% *	44.5	47.7		
SHEEP TDN	% *	50.3	53.9		
CLITORIA SPP, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-13-939					
DRY MATTER	%	21.8	100.0		1
ORGANIC MATTER	%	19.7	90.2		1
ASH	%	2.1	9.6		1
CRUDE FIBER	%	7.5	34.5		1
ETHER EXTRACT	%	0.9	3.9		1
NITROGEN FREE EXTRACT	%	6.4	29.2		1
PROTEIN	%	4.9	22.6		1
CATTLE DIG PROT	% *	3.7	17.1		
GOATS DIG PROT	% *	3.8	17.6		
HORSES DIG PROT	% *	3.6	16.7		
RABBITS DIG PROT	% *	3.5	16.1		
SHEEP DIG PROT	% *	3.9	18.1		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	0.63	2.91		
SHEEP ME	MCAL/KG *	0.52	2.39		
SHEEP TDN	% *	14.4	66.1		
CALCIUM	%	0.17	0.80		1
PHOSPHORUS	%	0.07	0.34		1

CLITORIA TERNATEA, PIGEONWINGS, ASIAN

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CLITORIA TERNATEA ASIAN, AERIAL PART, FRESH, (2)					
REF NO 2-13-941					
DRY MATTER	%	20.3	100.0		1
ORGANIC MATTER	%	15.2	75.0		1
ASH	%	5.1	24.9		1
CRUDE FIBER	%	4.1	20.1		1
ETHER EXTRACT	%	0.6	2.8		1
NITROGEN FREE EXTRACT	%	6.4	31.5		1
PROTEIN	%	4.2	20.7		1
CATTLE DIG PROT	% *	3.1	15.5		
GOATS DIG PROT	% *	3.2	15.9		
HORSES DIG PROT	% *	3.1	15.1		
RABBITS DIG PROT	% *	3.0	14.7		
SHEEP DIG PROT	% *	3.3	16.3		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	0.50	2.44		
SHEEP ME	MCAL/KG *	0.41	2.00		
SHEEP TDN	% *	11.2	55.3		
CALCIUM	%	0.14	0.68		1
PHOSPHORUS	%	0.11	0.52		1
CLITORIA TERNATEA ASIAN, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-13-942					
DRY MATTER	%	61.1	100.0		1
ORGANIC MATTER	%	57.4	94.0		1
ASH	%	3.7	6.0		1
CRUDE FIBER	%	27.6	45.1		1
ETHER EXTRACT	%	1.1	1.8		1
NITROGEN FREE EXTRACT	%	19.4	31.8		1
PROTEIN	%	9.3	15.3		1
CATTLE DIG PROT	% *	6.7	10.9		
GOATS DIG PROT	% *	6.6	10.8		
HORSES DIG PROT	% *	6.4	10.5		
RABBITS DIG PROT	% *	6.4	10.5		
SHEEP DIG PROT	% *	6.9	11.2		
CALCIUM	%	0.43	0.71		1
PHOSPHORUS	%	0.18	0.30		1
CLITORIA TERNATEA ASIAN, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-940					
DRY MATTER	%	32.0	100.0		1
ORGANIC MATTER	%	29.3	91.6		1
ASH	%	2.7	8.4		1
CRUDE FIBER	%	11.4	35.7		1
ETHER EXTRACT	%	1.1	3.3		1
NITROGEN FREE EXTRACT	%	10.6	33.0		1
PROTEIN	%	6.3	19.6		1
CATTLE DIG PROT	% *	4.7	14.6		
GOATS DIG PROT	% *	4.8	14.8		
HORSES DIG PROT	% *	4.5	14.2		
RABBITS DIG PROT	% *	4.4	13.8		
SHEEP DIG PROT	% *	4.9	15.3		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	0.90	2.80		
SHEEP ME	MCAL/KG *	0.74	2.30		
SHEEP TDN	% *	20.3	63.5		
CALCIUM	%	0.26	0.80		1
PHOSPHORUS	%	0.13	0.41		1
CLITORIA TERNATEA ASIAN, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-11-997					
DRY MATTER	%	25.7	100.0		1
ORGANIC MATTER	%	24.1	93.8		
ASH	%	1.6	6.2		1
CRUDE FIBER	%	7.3	28.5		1
ETHER EXTRACT	%	1.1	4.3		1
NITROGEN FREE EXTRACT	%	10.7	41.6		1
PROTEIN	%	5.0	19.4		1
CATTLE DIG PROT	% *	3.7	14.4		
GOATS DIG PROT	% *	3.8	14.7		
HORSES DIG PROT	% *	3.6	14.0		
RABBITS DIG PROT	% *	3.5	13.6		
SHEEP DIG PROT	% *	3.9	15.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.81	3.14		
SHEEP DE	MCAL/KG *	0.76	2.97		
CATTLE ME	MCAL/KG *	0.66	2.58		
SHEEP ME	MCAL/KG *	0.63	2.43		
CATTLE NE-M	MCAL/KG *	0.41	1.58		
CATTLE NE-GAIN	MCAL/KG *	0.26	1.01		
CATTLE NE-LACTATION	MCAL/KG *	0.45	1.74		
CATTLE TDN	% *	18.3	71.3		
SHEEP TDN	% *	17.3	67.3		
CALCIUM	%	0.23	0.91		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%	0.04	0.16		1

CLITORIA TERNATEA ASIAN, SEEDS, GRND, (5)

REF NO 5-13-453

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	97.0	100.0		1
ORGANIC MATTER	%	93.5	96.4		
ASH	%	3.5	3.6		1
CRUDE FIBER	%	13.0	13.4		1
ETHER EXTRACT	%	10.3	10.6		1
NITROGEN FREE EXTRACT	%	32.9	33.9		1
PROTEIN	%	37.3	38.5		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.40	3.50		
SHEEP DE MCAL/KG *		3.82	3.94		
CATTLE ME MCAL/KG *		2.79	2.87		
SHEEP ME MCAL/KG *		3.13	3.23		
CATTLE NE-M MCAL/KG *		1.78	1.84		
CATTLE NE-GAIN MCAL/KG *		1.19	1.23		
CATTLE NE-LACTATION MCAL/KG *		1.96	2.02		
CATTLE TDN % *		77.1	79.5		
SHEEP TDN % *		(86.6)	(89.3)		

CLUPEA HARENGUS, HAHENGUS, CLUPEA HARENGUS, PALLASI, FISH, HERRING

CLUPEA HAHENGUS, HARENGUS, CLUPEA HARENGUS, PALLASI HERRING, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)
FISH MEAL, HERRING

REF NO 5-02-000

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.9)	(100.0)	1	63
ORGANIC MATTER	%	(81.8)	(88.1)		
ASH	%	(11.0)	(11.9)	13	48
SHEEP DIG COEF	%	(8.)	(8.)		
CRUDE FIBER	%	(0.7)	(0.7)	28	13
ETHER EXTRACT	%	(9.0)	(9.7)	17	57
SHEEP DIG COEF	%	(97.)	(97.)		1
FAT, TOTAL (OFFICIAL)	%	(12.6)	(13.6)	12	27
NITROGEN FREE EXTRACT	%	(-0.1)	(-0.1)	37	5
PROTEIN	%	(72.2)	(77.8)	3	60
SHEEP DIG COEF	%	(88.)	(88.)		1
SHEEP DIG PROT	%	(63.5)	(68.4)		
FATTY ACIDS	%				
LINOLEIC	%	(0.151)	(0.163)		1
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		(3.44)	(3.70)		
SWINE DE KCAL/KG *		(3184.)	(3429.)		
CHICKENS ME-N KCAL/KG		(3191.)	(3436.)	7	15
SHEEP ME MCAL/KG *		(2.82)	(3.04)		
SWINE ME KCAL/KG		(2579.)	(2778.)		1
CHICKENS PRODUCTIVE KCAL/KG		(2041.)	(2198.)		2
SHEEP TDN %		(78.0)	(84.0)		1
SWINE TDN %		(72.2)	(77.8)		1
ALUMINUM	MG/KG	(34.70)	(37.37)	23	12
BARIUM	MG/KG	(1.597)	(1.720)	31	12
BORON	MG/KG	(6.368)	(6.858)	24	12
CALCIUM	%	(2.28)	(2.46)	28	40
CHLORINE	%	(0.90)	(0.97)	30	4
CHROMIUM	MG/KG	3.294	3.547	47	12
COBALT	MG/KG	0.097	0.104	60	4
COPPER	MG/KG	5.9	6.4	38	17
IODINE	MG/KG	(6.767)	(7.288)	98	4
IRON	%	(0.014)	(0.015)	35	17
MAGNESIUM	%	0.15	0.16	19	18
MANGANESE	MG/KG	4.7	5.1	61	20
MOLYBDENUM	MG/KG	(3.51)	(3.78)	98	4
PHOSPHORUS	%	(1.70)	(1.83)	22	40
CHICKENS, CHICKS AVAILABLE	%	(2.16)	(2.33)		2
POTASSIUM	%	1.09	1.17	27	19
SALT (NACL)	%	(1.56)	(1.68)		3
SELENIUM	MG/KG	(1.929)	(2.076)	17	13
SODIUM	%	0.62	0.66	29	19
SULPHUR	%	(0.68)	(0.74)	53	4
STRONTIUM	MG/KG	(36.830)	(39.664)	47	12
ZINC	MG/KG	(131.9)	(142.1)	30	17
A-TOCOPHEROL	MG/KG	(22.3)	(24.0)		2
BIOTIN	MG/KG	0.50	0.54	29	10
CHOLINE	MG/KG	(5304.)	(5712.)	22	14
FOLIC ACID	MG/KG	(0.77)	(0.83)	98	5
NIACIN	MG/KG	(93.3)	(100.4)	19	14
PANTOTHENIC ACID	MG/KG	16.9	18.2	31	14
RIBOFLAVIN	MG/KG	(9.9)	(10.6)	20	14
THIAMINE	MG/KG	(0.2)	(0.3)		3
VITAMIN B6	MG/KG	3.73	4.02		1
VITAMIN K	MG/KG	2.18	2.35	83	6
VITAMIN B12	UG/KG	403.2	434.2	31	11
ALANINE	%	4.42	4.76	6	14
ARGININE	%	(4.83)	(5.21)	17	27
ASPARTIC ACID	%	(6.78)	(7.30)	7	14
CYSTEINE	%	1.41	1.52		1
CYSTINE	%	0.88	0.95	31	27
GLUTAMIC ACID	%	(9.20)	(9.91)	5	14
GLYCINE	%	(4.61)	(4.96)	15	27
HISTIDINE	%	(1.70)	(1.83)	17	25
ISOLEUCINE	%	3.22	3.47	7	25
LEUCINE	%	(5.34)	(5.75)	5	24
LYSINE	%	(5.93)	(6.39)	10	27
METHIONINE	%	(2.10)	(2.26)	7	27
PHENYLALANINE	%	2.79	3.00	7	25
PROLINE	%	(2.89)	(3.11)	10	14
SERINE	%	2.73	2.94	7	14
THREONINE	%	(3.00)	(3.23)	12	25
TRYPTOPHAN	%	(0.81)	(0.87)	16	27
TYROSINE	%	(2.26)	(2.44)	11	23
VALINE	%	4.37	4.70	20	25

CLUPEA SPP, SARDINOPS SPP, FISH, SARDINE

CLUPEA SPP, SARDINOPS SPP SARDINE, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)
FISH MEAL, SARDINE

REF NO 5-02-015

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.0	100.0	7	98
ORGANIC MATTER	%	67.7	74.4	29	6
ASH	%	13.1	14.4	29	98
CRUDE FIBER	%	11.1	12.2	98	7
ETHER EXTRACT	%	11.1	12.2	43	98
SHEEP DIG COEF	%	99.	99.		1
NITROGEN FREE EXTRACT	%	-7.5	-8.3	49	8
PROTEIN	%	63.2	69.5	10	98
SHEEP DIG COEF	%	82.	82.		1
SHEEP DIG PROT	%	51.8	57.0		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		3.04	3.33		
SWINE DE KCAL/KG *		2879.	3163.		
CHICKENS ME-N KCAL/KG		2839.	3119.		2
SHEEP ME MCAL/KG *		2.49	2.73		
SWINE ME KCAL/KG		(2473.)	(2717.)		1
CHICKENS PRODUCTIVE KCAL/KG		1965.	2159.		2
SHEEP TDN % *		68.8	75.6		
SWINE TDN %		65.3	71.7		1
CALCIUM	%	(5.72)	(6.29)	70	6
CHLORINE	%	(0.40)	(0.44)		2
COBALT	MG/KG	(0.179)	(0.196)		1
COPPER	MG/KG	(21.7)	(23.8)		2
IODINE	MG/KG	1.058	1.162		1
IRON	%	(0.034)	(0.037)	68	5
MAGNESIUM	%	0.15	0.17		2
MANGANESE	MG/KG	21.2	23.3		3
PHOSPHORUS	%	(3.23)	(3.55)	59	6
CHICKENS, CHICKS AVAILABLE	%	(2.45)	(2.69)		1
POTASSIUM	%	(0.44)	(0.48)		2
SELENIUM	MG/KG	(1.731)	(1.902)		1
SODIUM	%	(0.16)	(0.17)		3
BIOTIN	MG/KG	(0.10)	(0.11)		1
CHOLINE	MG/KG	(3091.)	(3396.)	13	5
NIACIN	MG/KG	(68.5)	(75.3)	24	5
PANTOTHENIC ACID	MG/KG	(10.1)	(11.1)	22	5
RIBOFLAVIN	MG/KG	(5.9)	(6.5)	17	6
THIAMINE	MG/KG	(0.3)	(0.3)		3
VITAMIN B12	UG/KG	(232.6)	(255.5)		2
ARGININE	%	(3.23)	(3.54)	19	6
CYSTINE	%	(0.94)	(1.04)	23	5
GLUTAMIC ACID	%	(2.93)	(3.22)		1
GLYCINE	%	(4.46)	(4.89)	1	5
HISTIDINE	%	(1.76)	(1.93)		4
ISOLEUCINE	%	(3.34)	(3.66)		2
LEUCINE	%	(5.22)	(5.73)		1
LYSINE	%	(5.81)	(6.39)	1	6
METHIONINE	%	(1.95)	(2.15)	1	5
PHENYLALANINE	%	(2.26)	(2.48)		3
THREONINE	%	(2.65)	(2.91)	8	4
TRYPTOPHAN	%	(0.67)	(0.74)	29	6
VALINE	%	3.99	4.39		2

CNIDOSCOLUS PHYLLACANTHUS, TREADSOFTLY, PHYLLACANTHUS

CNIDOSCOLUS PHYLLACANTHUS PHYLLACANTHUS, BROWSE, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-270

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	45.6	100.0		1
ORGANIC MATTER	%	43.4	95.1		
ASH	%	2.2	4.9		1
CRUDE FIBER	%	27.7	60.8		1
ETHER EXTRACT	%	1.7	3.8		1
NITROGEN FREE EXTRACT	%	11.1	24.4		1
PROTEIN	%	2.8	6.1		1
CATTLE DIG PROT % *		1.4	3.1		
GOATS DIG PROT % *		1.0	2.3		
HORSES DIG PROT % *		1.2	2.7		
RABBITS DIG PROT % *		1.5	3.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT	% *	1.2	2.7		

COCOA MEAL
=SEE THEOBROMA CACAO, SEEDS, GRND, (5)

COCOA PODS, DRIED
=SEE THEOBROMA CACAO, PODS, S=C, (1)

COCOA SHELLS
=SEE THEOBROMA CACAO, SHELLS, GRND, (1)

COCONUT MEAL, MECHANICAL EXTRACTED (AAFCO)
=SEE COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5)

COCONUT MEAL, SOLVENT EXTRACTED (AAFCO)
=SEE COCOS NUCIFERA, MEATS, SOLV EXTD GRND, (5)

COCONUT OIL MEAL, EXPELLER EXTRACTED
=SEE COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5)

COCONUT OIL MEAL, HYDRAULIC EXTRACTED
=SEE COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5)

COCONUT OIL MEAL, SOLVENT EXTRACTED
=SEE COCOS NUCIFERA, MEATS, SOLV EXTD GRND, (5)

COCOS NUCIFERA, COCONUT

COCOS NUCIFERA, FRUIT, (1)

REF NO 1-10-624

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	96.3	100.0		1
ORGANIC MATTER		%	93.1	96.7		
ASH		%	3.2	3.3	47	8
CRUDE FIBER		%	37.4	38.8	16	8
ETHER EXTRACT		%	16.1	16.6	43	8
NITROGEN FREE EXTRACT		%	32.3	33.6	34	8
PROTEIN		%	5.2	5.4	16	8
CATTLE	DIG PROT	% *	1.0	1.0		
GOATS	DIG PROT	% *	2.1	2.2		
HORSES	DIG PROT	% *	2.1	2.2		
SHEEP	DIG PROT	% *	2.1	2.2		
CALCIUM		%	0.20	0.21		3
PHOSPHORUS		%	0.14	0.14		3

COCOS NUCIFERA, FRUIT, GRND, (1)

REF NO 1-11-861

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.7		
ASH		%		3.3		1
CRUDE FIBER		%		31.6		1
ETHER EXTRACT		%		29.1		1
NITROGEN FREE EXTRACT		%		28.4		1
PROTEIN		%		7.6		1
CATTLE	DIG PROT	% *		3.5		
GOATS	DIG PROT	% *		3.7		
HORSES	DIG PROT	% *		4.0		
RABBITS	DIG PROT	% *		4.6		
SHEEP	DIG PROT	% *		3.4		
CALCIUM		%		0.26		1
PHOSPHORUS		%		0.06		1

COCOS NUCIFERA, FRUIT, MECH EXTD GRND, (1)

REF NO 1-10-623

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.8	100.0		1
ORGANIC MATTER		%	86.3	94.0		1
ASH		%	3.9	4.3		3
CRUDE FIBER		%	35.1	38.3		3
ETHER EXTRACT		%	5.5	6.0		3
NITROGEN FREE EXTRACT		%	38.2	41.6		3
PROTEIN		%	9.0	9.8		3
CATTLE	DIG PROT	% *	4.6	5.1		
GOATS	DIG PROT	% *	5.7	6.3		
HORSES	DIG PROT	% *	5.7	6.3		
SHEEP	DIG PROT	% *	5.7	6.3		
ENERGY	DE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.48	2.71		
SHEEP	DE MCAL/KG	*	2.17	2.37		
CATTLE	ME MCAL/KG	*	2.04	2.22		
SHEEP	ME MCAL/KG	*	1.78	1.94		
CATTLE	NE-M MCAL/KG	*	1.21	1.32		
CATTLE	NE-GAIN MCAL/KG	*	0.65	0.71		
CATTLE	NE-LACTATION MCAL/KG	*	1.28	1.40		
CATTLE	TDN	% *	56.3	61.4		
SHEEP	TDN	% *	49.3	53.7		

COCOS NUCIFERA, FRUIT, MECH EXTD GRND CAKED, (1)

REF NO 1-11-863

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.0		
ASH		%		4.0	55	6
CRUDE FIBER		%		39.9	16	6
ETHER EXTRACT		%		14.5	31	6
NITROGEN FREE EXTRACT		%		34.4	23	6
PROTEIN		%		7.1	25	6
CATTLE	DIG PROT	% *		3.1		
GOATS	DIG PROT	% *		3.2		
HORSES	DIG PROT	% *		3.6		
RABBITS	DIG PROT	% *		4.2		
SHEEP	DIG PROT	% *		3.0		

COCOS NUCIFERA, FRUIT, SOLV EXTD GRND, (1)

REF NO 1-11-862

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.7		
ASH		%		5.3		1
CRUDE FIBER		%		45.4		1
ETHER EXTRACT		%		1.3		1
NITROGEN FREE EXTRACT		%		40.7		1
PROTEIN		%		7.3		1
CATTLE	DIG PROT	% *		3.3		
GOATS	DIG PROT	% *		3.4		
HORSES	DIG PROT	% *		3.8		
RABBITS	DIG PROT	% *		4.3		
SHEEP	DIG PROT	% *		3.2		
ENERGY	DE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.29		
HORSES	DE MCAL/KG	*		1.46		
SHEEP	DE MCAL/KG	*		2.28		
CATTLE	ME MCAL/KG	*		1.88		
HORSES	ME MCAL/KG	*		1.20		
SHEEP	ME MCAL/KG	*		1.87		
CATTLE	NE-M MCAL/KG	*		1.11		
CATTLE	NE-GAIN MCAL/KG	*		0.35		
CATTLE	NE-LACTATION MCAL/KG	*		1.07		
CATTLE	TDN	% *		51.9		
HORSES	TDN	% *		35.3		
SHEEP	TDN	% *		51.8		
CALCIUM		%		0.29		1
PHOSPHORUS		%		0.11		1

COCOS NUCIFERA, HULLS, (1)

REF NO 1-10-626

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	95.8	100.0		1
ORGANIC MATTER		%	90.2	94.2		
ASH		%	5.6	5.8		3
CRUDE FIBER		%	44.6	46.6		3
ETHER EXTRACT		%	12.4	13.0		3
NITROGEN FREE EXTRACT		%	28.2	29.5		3
PROTEIN		%	4.9	5.1		3
CATTLE	DIG PROT	% *	1.3	1.4		
GOATS	DIG PROT	% *	1.3	1.3		
HORSES	DIG PROT	% *	1.8	1.9		
RABBITS	DIG PROT	% *	2.5	2.6		
SHEEP	DIG PROT	% *	1.1	1.1		
CALCIUM		%	0.31	0.32		1
PHOSPHORUS		%	1.56	1.63		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
COCOS NUCIFERA, PULP, DEHY, (1)						
REF NO 1-10-625						
DRY MATTER		%	95.9	100.0		1
ORGANIC MATTER		%	93.0	97.0		
ASH		%	2.9	3.0		1
CRUDE FIBER		%	31.2	32.5		1
ETHER EXTRACT		%	0.5	0.5		1
NITROGEN FREE EXTRACT		%	57.2	59.6		1
PROTEIN		%	4.2	4.4		1
CATTLE	DIG PROT	% *	0.7	0.8		
GOATS	DIG PROT	% *	0.6	0.7		
HORSES	DIG PROT	% *	1.2	1.3		
RABBITS	DIG PROT	% *	2.0	2.1		
SHEEP	DIG PROT	% *	0.5	0.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.10	2.19		
SHEEP	DE	MCAL/KG *	2.19	2.28		
CATTLE	ME	MCAL/KG *	1.73	1.80		
SHEEP	ME	MCAL/KG *	1.79	1.87		
CATTLE	NE-M	MCAL/KG *	1.02	1.06		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.27		
CATTLE	NE-LACTATION	MCAL/KG *	0.96	1.00		
CATTLE	TDN	% *	47.7	49.8		
SHEEP	TDN	% *	49.6	51.8		
COCOS NUCIFERA, PULP, MECH EXTD GRND, (1)						
REF NO 1-13-691						
DRY MATTER		%	94.0	100.0	6	4
ORGANIC MATTER		%	87.0	92.7		
ASH		%	6.9	7.4	12	4
CRUDE FIBER		%	26.7	28.4	19	4
ETHER EXTRACT		%	6.7	7.2	25	4
NITROGEN FREE EXTRACT		%	30.5	32.5	17	4
PROTEIN		%	23.1	24.6	5	4
CATTLE	DIG PROT	% *	17.2	18.3		
GOATS	DIG PROT	% *	18.4	19.5		
HORSES	DIG PROT	% *	17.3	18.4		
RABBITS	DIG PROT	% *	16.6	17.7		
SHEEP	DIG PROT	% *	17.5	18.7		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.47	2.63		
SHEEP	ME	MCAL/KG *	2.03	2.16		
SHEEP	TDN	% *	56.0	59.6		
ALANINE		%	0.87	0.93		1
ARGININE		%	2.41	2.56		1
GLUTAMIC ACID		%	4.31	4.59		1
GLYCINE		%	0.91	0.97		1
HISTIDINE		%	0.61	0.65		1
ISOLEUCINE		%	0.70	0.75		1
LEUCINE		%	1.27	1.35		1
LYSINE		%	0.86	0.92		1
METHIONINE		%	0.39	0.41		1
PHENYLALANINE		%	0.91	0.97		1
PROLINE		%	0.76	0.81		1
SERINE		%	0.93	0.99		1
THREONINE		%	0.71	0.76		1
TRYPTOPHAN		%	0.21	0.22		1
TYROSINE		%	0.69	0.73		1
VALINE		%	1.35	1.44		1
COCOS NUCIFERA, LEAVES, FRESH, MILK STAGE, (2)						
REF NO 2-13-943						
DRY MATTER		%	30.0	100.0		4
ORGANIC MATTER		%	27.3	90.9	17	3
ASH		%	3.0	9.9	17	4
CRUDE FIBER		%	8.7	29.0	7	4
ETHER EXTRACT		%	1.5	4.9	5	4
NITROGEN FREE EXTRACT		%	13.1	43.8	5	4
PROTEIN		%	3.7	12.5	14	4
CATTLE	DIG PROT	% *	2.5	8.5		
GOATS	DIG PROT	% *	2.5	8.2		
HORSES	DIG PROT	% *	2.4	8.1		
RABBITS	DIG PROT	% *	2.5	8.3		
SHEEP	DIG PROT	% *	2.6	8.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.93	3.10		
SHEEP	DE	MCAL/KG *	0.81	2.71		
CATTLE	ME	MCAL/KG *	0.76	2.54		
SHEEP	ME	MCAL/KG *	0.67	2.22		
CATTLE	NE-M	MCAL/KG *	0.47	1.55		
CATTLE	NE-GAIN	MCAL/KG *	0.29	0.98		
CATTLE	NE-LACTATION	MCAL/KG *	0.51	1.70		
CATTLE	TDN	% *	21.1	70.3		
SHEEP	TDN	% *	18.5	61.5		
CALCIUM		%	0.09	0.30	24	4
PHOSPHORUS		%	0.04	0.14	14	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
COCOS NUCIFERA, MEATS, DEHY, (4)						
REF NO 4-08-190						
DRY MATTER		%	91.6	100.0	5	8
ORGANIC MATTER		%	89.6	97.9	56	1
ASH		%	2.9	3.2	56	11
CRUDE FIBER		%	16.4	17.9	34	10
ETHER EXTRACT		%	37.8	41.3	49	10
NITROGEN FREE EXTRACT		%	22.2	24.3	73	10
PROTEIN		%	12.2	13.3	55	11
CATTLE	DIG PROT	% *	7.5	8.2		
GOATS	DIG PROT	% *	8.6	9.4		
HORSES	DIG PROT	% *	8.6	9.4		
SHEEP	DIG PROT	% *	8.6	9.4		
CALCIUM		%	0.31	0.33	98	6
COPPER		MG/KG	79.7	87.0		1
IRON		%	0.011	0.012		2
MAGNESIUM		%	0.34	0.37	26	5
MANGANESE		MG/KG	25.6	28.0		1
PHOSPHORUS		%	0.17	0.18	28	6
POTASSIUM		%	2.70	2.95	7	4
COCOS NUCIFERA, MEATS, FRESH, (4)						
REF NO 4-01-574						
DRY MATTER		%	62.4	100.0	13	4
ORGANIC MATTER		%	60.1	96.4	36	3
ASH		%	2.8	4.4	36	14
CRUDE FIBER		%	6.4	10.3	54	16
ETHER EXTRACT		%	14.6	23.4	96	16
NITROGEN FREE EXTRACT		%	26.1	41.8	43	14
PROTEIN		%	12.5	20.1	48	15
CATTLE	DIG PROT	% *	9.0	14.4		
GOATS	DIG PROT	% *	9.7	15.6		
HORSES	DIG PROT	% *	9.7	15.6		
SHEEP	DIG PROT	% *	9.7	15.6		
ENERGY	GE	KCAL/KG				
SWINE	DE	KCAL/KG *	2643.	4235.		
SWINE	ME	KCAL/KG *	2430.	3894.		
SWINE	TDN	% *	59.9	96.1		
CALCIUM		%	0.08	0.13		3
IRON		%	0.002	0.004		2
PHOSPHORUS		%	0.29	0.46		3
COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5) COCONUT MEAL, MECHANICAL EXTRACTED (AAFCO) COPRA MEAL, MECHANICAL EXTRACTED (AAFCO) COCONUT OIL MEAL, EXPELLER EXTRACTED COCONUT OIL MEAL, HYDRAULIC EXTRACTED COPRA OIL MEAL, EXPELLER EXTRACTED COPRA OIL MEAL, HYDRAULIC EXTRACTED						
REF NO 5-01-572						
DRY MATTER		%	94.1	100.0	3	11
ORGANIC MATTER		%	(87.6)	(93.0)		
ASH		%	(6.6)	(7.0)	12	12
CRUDE FIBER		%	(16.7)	(17.7)	39	12
SHEEP	DIG COEF	%	(46.)	(46.)		1
ETHER EXTRACT		%	(8.5)	(9.1)	40	12
SHEEP	DIG COEF	%	(100.)	(100.)		1
NITROGEN FREE EXTRACT		%	(39.4)	(41.8)	16	12
SHEEP	DIG COEF	% *	(82.)	(82.)		
PROTEIN		%	(23.0)	(24.4)	21	12
SHEEP	DIG COEF	%	(85.)	(85.)		1
SHEEP	DIG PROT	%	(19.5)	(20.8)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(2.96)	(3.15)		
SHEEP	DE	MCAL/KG *	(3.47)	(3.69)		
CATTLE	ME	MCAL/KG *	(2.43)	(2.58)		
CHICKENS	NE-M	KCAL/KG	(1801.)	(1913.)		1
SHEEP	ME	MCAL/KG *	(2.84)	(3.02)		
CATTLE	NE-M	MCAL/KG *	(1.49)	(1.59)		
CATTLE	NE-GAIN	MCAL/KG *	(0.96)	(1.01)		
CATTLE	NE-LACTATION	MCAL/KG *	(1.64)	(1.74)		
CHICKENS PRODUCTIVE		KCAL/KG	(1305.)	(1387.)		1
CATTLE	TDN	% *	(67.2)	(71.4)		
SHEEP	TDN	% *	(78.7)	(83.6)		
CALCIUM		%	(0.21)	(0.23)		6
COBALT		MG/KG	(0.130)	(0.138)		1
COPPER		MG/KG	(14.3)	(15.2)		2
IRON		%	(0.134)	(0.142)		2
MAGNESIUM		%	(0.31)	(0.33)		2
MANGANESE		MG/KG	(66.4)	(70.6)		2
PHOSPHORUS		%	(0.63)	(0.67)	2	6
CHICKENS, CHICKS AVAILABLE		%	(0.18)	(0.19)		1
POTASSIUM		%	(1.55)	(1.65)		2
SODIUM		%	(0.04)	(0.04)		2
SULPHUR		%	(0.34)	(0.37)		1
CHOLINE		MG/KG	(1163.)	(1236.)		3
FOLIC ACID		MG/KG	(1.41)	(1.50)		1
NIACIN		MG/KG	(29.3)	(31.2)		3
PANTOTHENIC ACID		MG/KG	(6.0)	(6.4)	7	4
RIBOFLAVIN		MG/KG	(3.5)	(3.7)	6	4
THIAMINE		MG/KG	(0.8)	(0.8)		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ARGININE	%	(2.44)	(2.59)		2
LYSINE	%	(0.71)	(0.76)		2
METHIONINE	%	(0.34)	(0.36)		2
TRYPTOPHAN	%	0.20	0.22		2

COCOS NUCIFERA, MEATS, MECH EXTD GRND, HIGH FAT, (5)

REF NO 5-08-388

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.8	100.0	1	5
ORGANIC MATTER	%	86.6	94.3	40	4
ASH	%	5.5	6.0	40	9
CRUDE FIBER	%	14.5	15.8	31	9
ETHER EXTRACT	%	15.9	17.3	32	9
NITROGEN FREE EXTRACT	%	37.4	40.8	18	9
PROTEIN	%	18.4	20.1	17	9
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.74	2.98		
SHEEP DE MCAL/KG *		3.54	3.86		
CATTLE ME MCAL/KG *		2.25	2.45		
SHEEP ME MCAL/KG *		2.90	3.17		
CATTLE NE-M MCAL/KG *		1.36	1.48		
CATTLE NE-GAIN MCAL/KG *		0.83	0.91		
CATTLE NE-LACTATION MCAL/KG *		1.48	1.61		
CATTLE TDN % *		62.1	67.7		
SHEEP TDN % *		80.3	87.5		
CALCIUM	%	0.46	0.50		3
IRON	%	0.024	0.026		1
PHOSPHORUS	%	0.33	0.36		3

COCOS NUCIFERA, MEATS, MECH EXTD GRND CAKED, (5)

REF NO 5-11-860

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.3	100.0		3
ORGANIC MATTER	%	86.6	92.8		
ASH	%	6.7	7.2	32	7
CRUDE FIBER	%	10.6	11.3	54	7
ETHER EXTRACT	%	6.1	6.6	40	7
NITROGEN FREE EXTRACT	%	48.2	51.7	12	7
PROTEIN	%	21.8	23.3	7	7
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.12	3.34		
SHEEP DE MCAL/KG *		3.33	3.57		
CATTLE ME MCAL/KG *		2.56	2.74		
SHEEP ME MCAL/KG *		2.73	2.93		
CATTLE NE-M MCAL/KG *		1.60	1.72		
CATTLE NE-GAIN MCAL/KG *		1.06	1.13		
CATTLE NE-LACTATION MCAL/KG *		1.77	1.90		
CATTLE TDN % *		70.7	75.8		
SHEEP TDN % *		75.6	81.0		
CALCIUM	%	0.80	0.85		3
COPPER	MG/KG	145.5	156.0		2
IRON	%	0.057	0.062		2
MAGNESIUM	%	0.26	0.28		2
MANGANESE	MG/KG	65.3	70.0		2
PHOSPHORUS	%	0.63	0.68		3
POTASSIUM	%	3.67	3.93		2
SODIUM	%	(0.23)	(0.25)		2

COCOS NUCIFERA, MEATS, SOLV EXTD GRND, (5)
COCONUT MEAL, SOLVENT EXTRACTED (AAFCO)
COPRA MEAL, SOLVENT EXTRACTED (AAFCO)
COCONUT OIL MEAL, SOLVENT EXTRACTED
COPRA OIL MEAL, SOLVENT EXTRACTED

REF NO 5-01-573

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.1)	(100.0)	2	12
ORGANIC MATTER	%	86.0	93.4		
ASH	%	6.1	6.6	29	9
CRUDE FIBER	%	9.2	9.9	29	9
ETHER EXTRACT	%	4.4	4.8	58	9
NITROGEN FREE EXTRACT	%	46.0	49.9	19	9
PROTEIN	%	(26.4)	(28.7)	42	9
LIGNIN (ELLIS)	%	0.7	0.8		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.20	3.48		
SHEEP DE MCAL/KG *		3.06	3.32		
SWINE DE KCAL/KG *		3186.	3461.		
CATTLE ME MCAL/KG *		2.63	2.85		
CHICKENS ME-N KCAL/KG		1505.	1635.		2
SHEEP ME MCAL/KG *		2.51	2.72		
SWINE ME KCAL/KG		2474.	2688.		1
CATTLE NE-M MCAL/KG *		1.67	1.82		
CATTLE NE-GAIN MCAL/KG *		1.11	1.21		
CATTLE NE-LACTATION MCAL/KG *		(1.84)	(2.00)		
CHICKENS PRODUCTIVE KCAL/KG		1307.	1419.		1
CATTLE TDN % *		72.6	78.9		
SHEEP TDN % *		69.3	75.3		
SWINE TDN %		72.3	78.5		1
CALCIUM	%	(0.15)	(0.16)	39	7
CHLORINE	%	0.03	0.03		3
MAGNESIUM	%	(0.25)	(0.28)		2
MANGANESE	MG/KG	55.0	59.8		1
PHOSPHORUS	%	(0.45)	(0.49)	61	7
CHICKENS, CHICKS AVAILABLE	%	0.19	0.21		2
POTASSIUM	%	(1.61)	(1.75)		2
SODIUM	%	(0.04)	(0.04)		1
CHOLINE	MG/KG	(1180.)	(1282.)	8	4
FOLIC ACID	MG/KG	(0.30)	(0.33)		1
NIACIN	MG/KG	(28.6)	(31.1)	11	4
PANTOTHENIC ACID	MG/KG	(6.0)	(6.6)	6	4
RIBOFLAVIN	MG/KG	(3.6)	(4.0)	11	5
THIAMINE	MG/KG	(1.2)	(1.3)		2
VITAMIN B6	MG/KG	(4.40)	(4.78)		1
VITAMIN A	IU/G	(0.3)	(0.3)		1
ARGININE	%	(2.46)	(2.68)	6	6
CYSTINE	%	(0.25)	(0.27)		2
GLYCINE	%	(1.46)	(1.58)		3
HISTIDINE	%	(0.40)	(0.43)	28	4
ISOLEUCINE	%	(0.85)	(0.92)	16	4
LEUCINE	%	(1.43)	(1.56)		3
LYSINE	%	(0.66)	(0.72)	10	6
METHIONINE	%	(0.33)	(0.36)	6	6
PHENYLALANINE	%	(0.89)	(0.97)	7	4
THREONINE	%	(0.73)	(0.80)	17	4
TRYPTOPHAN	%	(0.20)	(0.22)	2	6
TYROSINE	%	(0.56)	(0.61)		1
VALINE	%	1.09	1.18	11	4

COCOS SPP, COCONUT

COCOS SPP, LEAVES, FRESH, (2)

REF NO 2-10-413

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	46.8	100.0	12	4
ORGANIC MATTER	%	43.7	93.5	36	4
ASH	%	3.1	6.6	36	4
CRUDE FIBER	%	12.8	27.3	7	4
ETHER EXTRACT	%	1.9	4.1	34	4
NITROGEN FREE EXTRACT	%	21.6	46.1	3	4
PROTEIN	%	7.5	16.0	16	4
CATTLE DIG PROT % *		5.4	11.5		
GOATS DIG PROT % *		5.4	11.5		
HORSES DIG PROT % *		5.2	11.1		
RABBITS DIG PROT % *		5.1	11.0		
SHEEP DIG PROT % *		5.6	11.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.53	3.27		
SHEEP DE MCAL/KG *		1.35	2.89		
CATTLE ME MCAL/KG *		1.26	2.68		
SHEEP ME MCAL/KG *		1.11	2.37		
CATTLE NE-M MCAL/KG *		0.78	1.67		
CATTLE NE-GAIN MCAL/KG *		0.51	1.09		
CATTLE NE-LACTATION MCAL/KG *		0.86	1.84		
CATTLE TDN % *		34.8	74.3		
SHEEP TDN % *		30.7	65.6		

COFFEA ARABICA, COFFEE, ARABIAN

COFFEA ARABICA ARABIAN, HULLS, (1)

REF NO 1-10-448

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	55.2	100.0	73	6
ORGANIC MATTER	%	51.6	93.5		
ASH	%	3.6	6.5	68	7
CRUDE FIBER	%	20.4	36.9	81	7
ETHER EXTRACT	%	2.2	4.0	98	7
NITROGEN FREE EXTRACT	%	23.7	43.0	49	7
PROTEIN	%	5.3	9.7	61	7
CATTLE DIG PROT % *		2.9	5.3		
GOATS DIG PROT % *		3.1	5.6		
HORSES DIG PROT % *		3.2	5.7		
RABBITS DIG PROT % *		3.4	6.1		
SHEEP DIG PROT % *		2.9	5.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.30	2.36		
HORSES DE MCAL/KG *		1.08	1.96		
SHEEP DE MCAL/KG *		1.28	2.31		
CATTLE ME MCAL/KG *		1.07	1.94		
HORSES ME MCAL/KG *		0.89	1.60		
SHEEP ME MCAL/KG *		1.05	1.90		
CATTLE NE-M MCAL/KG *		0.63	1.14		
CATTLE NE-GAIN MCAL/KG *		0.23	0.42		
CATTLE NE-LACTATION MCAL/KG *		0.62	1.13		
CATTLE TDN % *		29.6	53.6		
HORSES TDN % *		27.0	48.9		
SHEEP TDN % *		29.0	52.5		
IRON	%	0.013	0.023		3

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COFFEA ARABICA ARABIAN, HULLS, COOKED, (1)					
REF NO 1-13-377					
DRY MATTER	%	82.7	100.0		2
ORGANIC MATTER	%	74.7	90.4		
ASH	%	7.9	9.6		2
CRUDE FIBER	%	14.6	17.7		2
ETHER EXTRACT	%	0.9	1.0		2
NITROGEN FREE EXTRACT	%	51.7	62.6		
PROTEIN	%	7.6	9.1		2
CATTLE DIG PROT	% *	4.0	4.9		
GOATS DIG PROT	% *	4.2	5.1		
HORSES DIG PROT	% *	4.4	5.3		
RABBITS DIG PROT	% *	4.7	5.7		
SHEEP DIG PROT	% *	3.9	4.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.92	2.33		
HORSES DE	MCAL/KG *	1.20	1.45		
SHEEP DE	MCAL/KG *	2.06	2.49		
CATTLE ME	MCAL/KG *	1.58	1.91		
HORSES ME	MCAL/KG *	0.99	1.19		
SHEEP ME	MCAL/KG *	1.69	2.04		
CATTLE NE-M	MCAL/KG *	0.93	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.32	0.39		
CATTLE NE-LACTATION	MCAL/KG *	0.91	1.10		
CATTLE TDN	% *	43.6	52.8		
HORSES TDN	% *	29.0	35.1		
SHEEP TDN	% *	46.7	56.5		
CALCIUM	%	0.34	0.41		2
IRON	%	0.023	0.028		2
PHOSPHORUS	%	0.80	0.97		2
ASCORBIC ACID	MG/KG	471.6	570.6		2
NIACIN	MG/KG	22.5	27.3		2
RIBOFLAVIN	MG/KG	3.5	4.2		2
THIAMINE	MG/KG	1.2	1.4		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COFFEA ARABICA ARABIAN, HULLS, CRUSHED AND WASHED, (1)					
REF NO 1-10-451					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.9		
ASH	%		6.1		1
CRUDE FIBER	%		22.7		1
ETHER EXTRACT	%		2.4		1
NITROGEN FREE EXTRACT	%		59.6		1
PROTEIN	%		9.2		1
CATTLE DIG PROT	% *		4.9		
GOATS DIG PROT	% *		5.1		
HORSES DIG PROT	% *		5.3		
RABBITS DIG PROT	% *		5.7		
SHEEP DIG PROT	% *		4.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.64		
HORSES DE	MCAL/KG *		1.79		
SHEEP DE	MCAL/KG *		2.59		
CATTLE ME	MCAL/KG *		2.17		
HORSES ME	MCAL/KG *		1.47		
SHEEP ME	MCAL/KG *		2.13		
CATTLE NE-M	MCAL/KG *		1.28		
CATTLE NE-GAIN	MCAL/KG *		0.66		
CATTLE NE-LACTATION	MCAL/KG *		1.35		
CATTLE TDN	% *		59.9		
HORSES TDN	% *		44.4		
SHEEP TDN	% *		58.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COFFEA ARABICA ARABIAN, HULLS, ORIED, (1)					
REF NO 1-10-450					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.7		
ASH	%		12.3		3
CRUDE FIBER	%		15.0		3
ETHER EXTRACT	%		2.6		3
NITROGEN FREE EXTRACT	%		59.3		3
PROTEIN	%		10.9		3
CATTLE DIG PROT	% *		6.4		
GOATS DIG PROT	% *		6.7		
HORSES DIG PROT	% *		6.8		
RABBITS DIG PROT	% *		7.1		
SHEEP DIG PROT	% *		6.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.77		
SHEEP DE	MCAL/KG *		2.69		
CATTLE ME	MCAL/KG *		2.27		
SHEEP ME	MCAL/KG *		2.21		
CATTLE NE-M	MCAL/KG *		1.35		
CATTLE NE-GAIN	MCAL/KG *		0.75		
CATTLE NE-LACTATION	MCAL/KG *		1.45		
CATTLE TDN	% *		62.8		
SHEEP TDN	% *		61.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COFFEA ARABICA ARABIAN, HULLS, GRND, (1)					
REF NO 1-11-475					
DRY MATTER	%	91.3	100.0		2
ORGANIC MATTER	%	83.9	91.9		1
ASH	%	4.3	4.7		2
CRUDE FIBER	%	42.4	46.4		2
ETHER EXTRACT	%	2.3	2.5		2
NITROGEN FREE EXTRACT	%	35.9	39.3		2
PROTEIN	%	6.4	7.0		2
CATTLE DIG PROT	% *	2.8	3.0		
GOATS DIG PROT	% *	2.8	3.1		
HORSES DIG PROT	% *	3.2	3.5		
RABBITS DIG PROT	% *	3.7	4.1		
SHEEP DIG PROT	% *	2.6	2.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.09	2.29		
HORSES DE	MCAL/KG *	1.50	1.65		
SHEEP DE	MCAL/KG *	2.06	2.25		
CATTLE ME	MCAL/KG *	1.71	1.87		
HORSES ME	MCAL/KG *	1.23	1.35		
SHEEP ME	MCAL/KG *	1.69	1.85		
CATTLE NE-M	MCAL/KG *	1.01	1.11		
CATTLE NE-GAIN	MCAL/KG *	0.32	0.35		
CATTLE NE-LACTATION	MCAL/KG *	0.98	1.07		
CATTLE TDN	% *	47.3	51.9		
HORSES TDN	% *	36.9	40.4		
SHEEP TDN	% *	46.6	51.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COFFEA ARABICA ARABIAN, PULP, (1)					
REF NO 1-10-617					
DRY MATTER	%	46.9	100.0	75	11
ORGANIC MATTER	%	43.7	93.2	18	8
ASH	%	3.3	6.9	18	9
CRUDE FIBER	%	9.1	19.4	28	11
ETHER EXTRACT	%	1.3	2.9	50	11
NITROGEN FREE EXTRACT	%	28.3	60.4	12	9
PROTEIN	%	4.9	10.4	21	11
CATTLE DIG PROT	% *	2.8	5.9		
GOATS DIG PROT	% *	2.9	6.2		
HORSES DIG PROT	% *	3.0	6.3		
RABBITS DIG PROT	% *	3.1	6.7		
SHEEP DIG PROT	% *	2.7	5.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.31	2.81		
HORSES DE	MCAL/KG *	0.87	1.87		
SHEEP DE	MCAL/KG *	1.28	2.72		
CATTLE ME	MCAL/KG *	1.08	2.30		
HORSES ME	MCAL/KG *	0.72	1.53		
SHEEP ME	MCAL/KG *	1.05	2.23		
CATTLE NE-M	MCAL/KG *	0.64	1.37		
CATTLE NE-GAIN	MCAL/KG *	0.37	0.78		
CATTLE NE-LACTATION	MCAL/KG *	0.69	1.48		
CATTLE TDN	% *	29.8	63.6		
HORSES TDN	% *	21.8	46.4		
SHEEP TDN	% *	28.9	61.7		
CALCIUM	%	0.63	1.34	74	7
IRON	%	0.004	0.008	76	4
PHOSPHORUS	%	0.13	0.28	98	7

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COFFEA ARABICA ARABIAN, PULP, DEHY, (1)					
REF NO 1-10-449					
DRY MATTER	%	88.9	100.0	5	15
ORGANIC MATTER	%	80.4	90.4	33	14
ASH	%	7.7	8.7	33	17
CRUDE FIBER	%	22.0	24.7	23	17
ETHER EXTRACT	%	2.6	2.9	23	17
NITROGEN FREE EXTRACT	%	46.2	52.0	14	17
PROTEIN	%	10.4	11.7	16	17
CATTLE DIG PROT	% *	6.3	7.1		
GOATS DIG PROT	% *	6.7	7.5		
HORSES DIG PROT	% *	6.7	7.5		
RABBITS DIG PROT	% *	6.9	7.7		
SHEEP DIG PROT	% *	6.3	7.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.37	2.67		
HORSES DE	MCAL/KG *	1.72	1.94		
SHEEP DE	MCAL/KG *	2.28	2.56		
CATTLE ME	MCAL/KG *	1.95	2.19		
HORSES ME	MCAL/KG *	1.41	1.59		
SHEEP ME	MCAL/KG *	1.87	2.10		
CATTLE NE-M	MCAL/KG *	1.15	1.30		
CATTLE NE-GAIN	MCAL/KG *	0.60	0.68		
CATTLE NE-LACTATION	MCAL/KG *	1.22	1.37		
CATTLE TDN	% *	53.8	60.5		
HORSES TDN	% *	43.0	48.4		
SHEEP TDN	% *	51.6	58.0		
CALCIUM	%	0.78	0.87	76	5
IRON	%	0.015	0.016	34	4
PHOSPHORUS	%	0.13	0.14	28	5

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
COFFEA ARABICA ARABIAN, PULP, DEHY GRND, (1)				
REF NO 1-11-468				
DRY MATTER	%	86.1	100.0	3
ORGANIC MATTER	%	79.1	91.9	3
ASH	%	6.9	8.1	3
CRUDE FIBER	%	22.2	25.8	3
ETHER EXTRACT	%	2.6	3.1	3
NITROGEN FREE EXTRACT	%	43.5	50.6	3
PROTEIN	%	10.7	12.5	3
CATTLE DIG PROT	% *	6.6	7.7	
GOATS DIG PROT	% *	7.0	8.2	
HORSES DIG PROT	% *	7.0	8.1	
RABBITS DIG PROT	% *	7.1	8.3	
SHEEP DIG PROT	% *	6.7	7.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.31	2.68	
HORSES DE	MCAL/KG *	1.67	1.94	
SHEEP DE	MCAL/KG *	2.21	2.57	
CATTLE ME	MCAL/KG *	1.89	2.20	
HORSES ME	MCAL/KG *	1.37	1.59	
SHEEP ME	MCAL/KG *	1.81	2.11	
CATTLE NE-M	MCAL/KG *	1.12	1.30	
CATTLE NE-GAIN	MCAL/KG *	0.59	0.68	
CATTLE NE-LACTATION	MCAL/KG *	1.18	1.38	
CATTLE TDN	% *	52.3	60.8	
HORSES TDN	% *	41.7	48.5	
SHEEP TDN	% *	50.1	58.2	
COFFEA ARABICA ARABIAN, PULP, DEHY PELLETED, (1)				
REF NO 1-10-630				
DRY MATTER	%	86.7	100.0	1
ORGANIC MATTER	%	78.2	90.2	1
ASH	%	8.5	9.8	1
CRUDE FIBER	%	17.6	20.3	1
ETHER EXTRACT	%	2.6	3.0	1
NITROGEN FREE EXTRACT	%	50.0	57.7	1
PROTEIN	%	8.0	9.2	1
CATTLE DIG PROT	% *	4.3	4.9	
GOATS DIG PROT	% *	4.5	5.2	
HORSES DIG PROT	% *	4.7	5.4	
RABBITS DIG PROT	% *	5.0	5.8	
SHEEP DIG PROT	% *	4.2	4.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.34	2.70	
HORSES DE	MCAL/KG *	1.67	1.92	
SHEEP DE	MCAL/KG *	2.25	2.60	
CATTLE ME	MCAL/KG *	1.92	2.22	
HORSES ME	MCAL/KG *	1.37	1.58	
SHEEP ME	MCAL/KG *	1.85	2.13	
CATTLE NE-M	MCAL/KG *	1.14	1.32	
CATTLE NE-GAIN	MCAL/KG *	0.61	0.70	
CATTLE NE-LACTATION	MCAL/KG *	1.21	1.39	
CATTLE TDN	% *	53.1	61.3	
HORSES TDN	% *	41.6	47.9	
SHEEP TDN	% *	51.0	58.9	
CALCIUM	%	0.54	0.62	1
IRON	%	0.010	0.012	1
PHOSPHORUS	%	0.15	0.17	1
COFFEA ARABICA ARABIAN, PULP, ENSILED DEHY, (1)				
REF NO 1-11-469				
DRY MATTER	%	92.2	100.0	2
ORGANIC MATTER	%	81.8	88.7	2
ASH	%	10.4	11.3	2
CRUDE FIBER	%	21.7	23.5	2
ETHER EXTRACT	%	2.4	2.6	2
NITROGEN FREE EXTRACT	%	46.8	50.8	2
PROTEIN	%	10.8	11.7	2
CATTLE DIG PROT	% *	6.5	7.1	
GOATS DIG PROT	% *	6.9	7.5	
HORSES DIG PROT	% *	6.9	7.5	
RABBITS DIG PROT	% *	7.1	7.7	
SHEEP DIG PROT	% *	6.5	7.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.39	2.59	
HORSES DE	MCAL/KG *	1.78	1.93	
SHEEP DE	MCAL/KG *	2.30	2.50	
CATTLE ME	MCAL/KG *	1.96	2.12	
HORSES ME	MCAL/KG *	1.46	1.59	
SHEEP ME	MCAL/KG *	1.89	2.05	
CATTLE NE-M	MCAL/KG *	1.16	1.26	
CATTLE NE-GAIN	MCAL/KG *	0.57	0.62	
CATTLE NE-LACTATION	MCAL/KG *	1.21	1.31	
CATTLE TDN	% *	54.2	58.8	
HORSES TDN	% *	44.5	48.3	
SHEEP TDN	% *	52.2	56.6	
CALCIUM	%	3.09	3.35	2
PHOSPHORUS	%	0.17	0.19	2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
COFFEA ARABICA ARABIAN, PULP, MECH EXTD GRND, (1)				
REF NO 1-11-746				
DRY MATTER	%	93.4	100.0	2
ORGANIC MATTER	%	84.7	90.7	1
ASH	%	4.9	5.2	2
CRUDE FIBER	%	39.0	41.7	2
ETHER EXTRACT	%	6.4	6.9	2
NITROGEN FREE EXTRACT	%	30.9	33.1	2
PROTEIN	%	12.2	13.0	2
CATTLE DIG PROT	% *	7.7	8.2	
GOATS DIG PROT	% *	8.1	8.7	
HORSES DIG PROT	% *	8.0	8.6	
RABBITS DIG PROT	% *	8.2	8.7	
SHEEP DIG PROT	% *	7.7	8.3	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	1.96	2.10	
SHEEP ME	MCAL/KG *	1.60	1.72	
SHEEP TDN	% *	44.4	47.5	
CALCIUM	%	0.45	0.49	1
IRON	%	0.016	0.017	1
PHOSPHORUS	%	0.15	0.16	1
COFFEA ARABICA ARABIAN, PULP, S-C, (1)				
REF NO 1-13-456				
DRY MATTER	%	77.9	100.0	4 27
ORGANIC MATTER	%	72.5	93.1	
ASH	%	5.4	6.9	19 27
CRUDE FIBER	%	19.4	24.8	16 27
ETHER EXTRACT	%	4.1	5.3	32 27
NITROGEN FREE EXTRACT	%	34.6	44.5	10 27
PROTEIN	%	14.4	18.4	19 27
CATTLE DIG PROT	% *	10.1	12.9	
GOATS DIG PROT	% *	10.7	13.8	
HORSES DIG PROT	% *	10.3	13.2	
RABBITS DIG PROT	% *	10.1	12.9	
SHEEP DIG PROT	% *	10.2	13.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.14	2.75	
HORSES DE	MCAL/KG *	0.91	1.17	
SHEEP DE	MCAL/KG *	2.17	2.79	
CATTLE ME	MCAL/KG *	1.76	2.25	
HORSES ME	MCAL/KG *	0.75	0.96	
SHEEP ME	MCAL/KG *	1.78	2.28	
CATTLE NE-M	MCAL/KG *	1.05	1.34	
CATTLE NE-GAIN	MCAL/KG *	0.55	0.74	
CATTLE NE-LACTATION	MCAL/KG *	1.12	1.43	
CATTLE TDN	% *	48.6	62.4	
HORSES TDN	% *	21.3	27.4	
SHEEP TDN	% *	49.2	63.2	
COFFEA ARABICA ARABIAN, PULP, SOLV EXTD GRND CAKED, (1)				
REF NO 1-11-747				
DRY MATTER	%	85.4	100.0	1
ORGANIC MATTER	%	80.3	94.0	
ASH	%	5.1	6.0	2
CRUDE FIBER	%	24.4	28.6	2
ETHER EXTRACT	%	1.6	1.9	2
NITROGEN FREE EXTRACT	%	42.2	49.5	2
PROTEIN	%	12.0	14.1	2
CATTLE DIG PROT	% *	7.8	9.1	
GOATS DIG PROT	% *	8.3	9.7	
HORSES DIG PROT	% *	8.1	9.5	
RABBITS DIG PROT	% *	8.1	9.5	
SHEEP DIG PROT	% *	7.8	9.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.23	2.61	
HORSES DE	MCAL/KG *	1.64	1.92	
SHEEP DE	MCAL/KG *	2.19	2.56	
CATTLE ME	MCAL/KG *	1.83	2.14	
HORSES ME	MCAL/KG *	1.34	1.57	
SHEEP ME	MCAL/KG *	1.79	2.10	
CATTLE NE-M	MCAL/KG *	1.08	1.27	
CATTLE NE-GAIN	MCAL/KG *	0.54	0.63	
CATTLE NE-LACTATION	MCAL/KG *	1.13	1.33	
CATTLE TDN	% *	50.6	59.3	
HORSES TDN	% *	40.9	47.8	
SHEEP TDN	% *	49.6	58.1	
COFFEA ARABICA ARABIAN, SEEDS W HULLS, (1)				
REF NO 1-11-745				
DRY MATTER	%	88.9	100.0	1
ORGANIC MATTER	%	82.9	93.2	
ASH	%	6.0	6.8	2
CRUDE FIBER	%	13.0	14.6	2
ETHER EXTRACT	%	3.1	3.5	2
NITROGEN FREE EXTRACT	%	39.6	44.6	1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PROTEIN	%	27.1	30.5		2
CATTLE DIG PROT	% *	20.8	23.4		
GOATS DIG PROT	% *	22.3	25.0		
HORSES DIG PROT	% *	20.8	23.4		
RABBITS DIG PROT	% *	19.8	22.2		
SHEEP DIG PROT	% *	21.3	23.9		

COFFEA ARABICA ARABIAN, JUICE, (2)

REF NO 2-10-618

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	2.8	100.0		1
ORGANIC MATTER	%	2.2	78.6		1
ASH	%	0.4	13.3		2
ETHER EXTRACT	%	0.1	4.0		2
NITROGEN FREE EXTRACT	%	2.0	70.2		2
PROTEIN	%	0.3	12.5		2
CATTLE DIG PROT	% *	0.2	8.5		
GOATS DIG PROT	% *	0.2	8.2		
HORSES DIG PROT	% *	0.2	8.1		
RABBITS DIG PROT	% *	0.2	8.3		
SHEEP DIG PROT	% *	0.2	8.6		
CALCIUM	%	0.09	3.21		1
IRON	%	0.006	0.214		1
PHOSPHORUS	%	0.08	2.86		1

COFFEA ARABICA ARABIAN, PULP, WET, (2)

REF NO 2-11-471

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.4	100.0	28	7
ORGANIC MATTER	%	20.4	91.2	12	5
ASH	%	2.0	8.9	12	8
CRUDE FIBER	%	5.1	22.6	14	8
ETHER EXTRACT	%	0.7	2.9	29	8
NITROGEN FREE EXTRACT	%	12.1	54.3	5	8
PROTEIN	%	2.5	11.3	14	8
CATTLE DIG PROT	% *	1.7	7.5		
GOATS DIG PROT	% *	1.6	7.1		
HORSES DIG PROT	% *	1.6	7.1		
RABBITS DIG PROT	% *	1.6	7.4		
SHEEP DIG PROT	% *	1.7	7.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.73	3.25		
SHEEP DE	MCAL/KG *	0.64	2.87		
CATTLE ME	MCAL/KG *	0.60	2.66		
SHEEP ME	MCAL/KG *	0.53	2.36		
CATTLE NE-M	MCAL/KG *	0.37	1.65		
CATTLE NE-GAIN	MCAL/KG *	0.24	1.08		
CATTLE NE-LACTATION	MCAL/KG *	0.41	1.82		
CATTLE TDN	% *	16.5	73.6		
SHEEP TDN	% *	14.6	65.2		
CALCIUM	%	0.13	0.59		3
IRON	%	0.005	0.021		1
PHOSPHORUS	%	0.04	0.17		3

COFFEA ARABICA ARABIAN, PULP, ENSILED, (3)

REF NO 3-11-467

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.0	100.0	49	7
ORGANIC MATTER	%	17.3	91.1	19	3
ASH	%	1.6	8.6	19	7
CRUDE FIBER	%	4.7	25.0	11	7
ETHER EXTRACT	%	0.6	3.1	20	7
NITROGEN FREE EXTRACT	%	9.1	47.9	15	7
PROTEIN	%	2.9	15.4	35	7
CATTLE DIG PROT	% *	1.9	10.2		
GOATS DIG PROT	% *	1.9	10.2		
HORSES DIG PROT	% *	1.9	10.2		
SHEEP DIG PROT	% *	1.9	10.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.50	2.65		
SHEEP DE	MCAL/KG *	0.55	2.91		
CATTLE ME	MCAL/KG *	0.41	2.18		
SHEEP ME	MCAL/KG *	0.45	2.39		
CATTLE NE-M	MCAL/KG *	0.24	1.29		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.66		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.36		
CATTLE TDN	% *	11.4	60.2		
SHEEP TDN	% *	12.5	66.0		

COFFEA SPP, COFFEE

COFFEA SPP, CHAFF, (1)

REF NO 1-11-480

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.8	100.0		1
ORGANIC MATTER	%	92.4	99.6		1
ASH	%	0.4	0.4		1
CRUDE FIBER	%	69.8	75.2		1
ETHER EXTRACT	%	0.5	0.5		1
NITROGEN FREE EXTRACT	%	20.1	21.7		1
PROTEIN	%	2.0	2.2		1
CATTLE DIG PROT	% *	-1.1	-1.2		
GOATS DIG PROT	% *	-1.3	-1.4		
HORSES DIG PROT	% *	-0.6	-0.6		
RABBITS DIG PROT	% *	0.3	0.3		
SHEEP DIG PROT	% *	-1.4	-1.5		

COFFEA SPP, CULLED SEEDS, (1)

REF NO 1-11-478

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.2		
ASH	%		3.8		1
CRUDE FIBER	%		31.8		1
ETHER EXTRACT	%		17.9		1
NITROGEN FREE EXTRACT	%		33.7		1
PROTEIN	%		12.8		1
CATTLE DIG PROT	% *		8.0		
GOATS DIG PROT	% *		8.5		
HORSES DIG PROT	% *		8.4		
RABBITS DIG PROT	% *		8.5		
SHEEP DIG PROT	% *		8.0		

COFFEA SPP, HULLS, (1)

REF NO 1-11-479

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.2	100.0		1
ORGANIC MATTER	%	88.0	95.4		
ASH	%	4.2	4.6		2
CRUDE FIBER	%	42.1	45.6		2
ETHER EXTRACT	%	2.1	2.2		2
NITROGEN FREE EXTRACT	%	37.5	40.7		2
PROTEIN	%	6.4	6.9		2
CATTLE DIG PROT	% *	3.5	3.8		
GOATS DIG PROT	% *	2.8	3.0		
HORSES DIG PROT	% *	3.1	3.4		
RABBITS DIG PROT	% *	3.7	4.0		
SHEEP DIG PROT	% *	3.2	3.4		

COFFEA SPP, PULP, DEHY, (1)

REF NO 1-09-734

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	83.7	100.0	3	24
ORGANIC MATTER	%	75.8	90.6		
ASH	%	7.9	9.4	13	25
CRUDE FIBER	%	17.0	20.3	11	25
ETHER EXTRACT	%	1.6	1.9	60	25
NITROGEN FREE EXTRACT	%	47.1	56.2	8	25
PROTEIN	%	10.3	12.3	16	25
CATTLE DIG PROT	% *	6.3	7.6		
GOATS DIG PROT	% *	6.7	8.0		
HORSES DIG PROT	% *	6.6	7.9		
RABBITS DIG PROT	% *	6.8	8.1		
SHEEP DIG PROT	% *	6.3	7.6		
CARBOHYDRATES, OTHER	%	47.8	57.2	4	23
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.20	2.63		
HORSES DE	MCAL/KG *	1.52	1.82		
SHEEP DE	MCAL/KG *	2.18	2.60		
CATTLE ME	MCAL/KG *	1.80	2.15		
HORSES ME	MCAL/KG *	1.25	1.49		
SHEEP ME	MCAL/KG *	1.78	2.13		
CATTLE NE-M	MCAL/KG *	1.07	1.27		
CATTLE NE-GAIN	MCAL/KG *	0.54	0.64		
CATTLE NE-LACTATION	MCAL/KG *	1.12	1.33		
CATTLE TDN	% *	49.8	59.5		
HORSES TDN	% *	37.7	45.0		
SHEEP TDN	% *	49.3	59.0		
CALCIUM	%	0.45	0.53	19	23
PHOSPHORUS	%	0.11	0.13	14	23
POTASSIUM	%	3.53	4.22	12	23
CAFFEIN	%	0.65	0.78	13	23

COFFEA SPP, PULP W HULLS, (1)

REF NO 1-09-648

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.3		
ASH	%		4.7		1
CRUDE FIBER	%		27.5		1
ETHER EXTRACT	%		2.7		1
NITROGEN FREE EXTRACT	%		56.8		1
PROTEIN	%		8.3		1
CATTLE DIG PROT	% *		4.1		
GOATS DIG PROT	% *		4.3		
HORSES DIG PROT	% *		4.6		
RABBITS DIG PROT	% *		5.1		
SHEEP DIG PROT	% *		4.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.64		
HORSES DE	MCAL/KG *		1.86		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
SHEEP	DE MCAL/KG *		2.54	
CATTLE	ME MCAL/KG *		2.17	
HORSES	ME MCAL/KG *		1.53	
SHEEP	ME MCAL/KG *		2.08	
CATTLE	NE-M MCAL/KG *		1.28	
CATTLE	NE-GAIN MCAL/KG *		0.66	
CATTLE	NE-LACTATION MCAL/KG *		1.35	
CATTLE	TDN % *		60.0	
HORSES	TDN % *		46.3	
SHEEP	TDN % *		57.5	

COFFEA SPP, SEEDS W HULLS, (1)

REF NO 1-11-477

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.7	
ASH	%		4.3	1
CRUDE FIBER	%		52.7	1
ETHER EXTRACT	%		13.5	1
NITROGEN FREE EXTRACT	%		15.8	1
PROTEIN	%		13.7	1
CATTLE	DIG PROT % *		8.8	
GOATS	DIG PROT % *		9.3	
HORSES	DIG PROT % *		9.1	
RABBITS	DIG PROT % *		9.2	
SHEEP	DIG PROT % *		8.8	

COFFEA SPP, STRAW, GRND, (1)

REF NO 1-11-476

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		92.1	
ASH	%		7.9	1
CRUDE FIBER	%		18.2	1
ETHER EXTRACT	%		2.9	1
NITROGEN FREE EXTRACT	%		60.7	1
PROTEIN	%		10.3	1
CATTLE	DIG PROT % *		5.9	
GOATS	DIG PROT % *		6.2	
HORSES	DIG PROT % *		6.3	
RABBITS	DIG PROT % *		6.6	
SHEEP	DIG PROT % *		5.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.82	
HORSES	DE MCAL/KG *		1.87	
SHEEP	DE MCAL/KG *		2.74	
CATTLE	ME MCAL/KG *		2.31	
HORSES	ME MCAL/KG *		1.53	
SHEEP	ME MCAL/KG *		2.24	
CATTLE	NE-M MCAL/KG *		1.38	
CATTLE	NE-GAIN MCAL/KG *		0.79	
CATTLE	NE-LACTATION MCAL/KG *		1.49	
CATTLE	TDN % *		64.0	
HORSES	TDN % *		46.5	
SHEEP	TDN % *		62.1	

COFFEA SPP, SEEDS, MECH EXTD GRND CAKED, (4)

REF NO 4-11-748

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	88.8	100.0	2
ORGANIC MATTER	%	83.5	94.0	
ASH	%	5.3	6.0	2
CRUDE FIBER	%	9.8	11.0	2
ETHER EXTRACT	%	3.6	4.1	2
NITROGEN FREE EXTRACT	%	54.9	61.9	2
PROTEIN	%	15.1	17.1	2
CATTLE	DIG PROT % *	10.4	11.7	
GOATS	DIG PROT % *	11.4	12.9	
HORSES	DIG PROT % *	11.4	12.9	
SHEEP	DIG PROT % *	11.4	12.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.67	3.01	
SHEEP	DE MCAL/KG *	2.92	3.29	
SWINE	DE KCAL/KG *	2845.	3206.	
CATTLE	ME MCAL/KG *	2.19	2.47	
SHEEP	ME MCAL/KG *	2.39	2.70	
SWINE	ME KCAL/KG *	2633.	2967.	
CATTLE	NE-M MCAL/KG *	1.33	1.49	
CATTLE	NE-GAIN MCAL/KG *	0.82	0.92	
CATTLE	NE-LACTATION MCAL/KG *	1.45	1.63	
CATTLE	TDN % *	60.5	68.2	
SHEEP	TDN % *	66.2	74.6	
SWINE	TDN % *	64.5	72.7	

COIX EDULIS, JOBSTEARS, EDULIS

COIX EDULIS EDULIS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-944

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	15.9	100.0	1
ORGANIC MATTER	%	13.8	87.0	1
ASH	%	2.1	12.9	1
CRUDE FIBER	%	4.8	29.9	1
ETHER EXTRACT	%	0.1	0.8	1
NITROGEN FREE EXTRACT.	%	6.9	43.1	1
PROTEIN	%	2.1	13.3	1
CATTLE	DIG PROT % *	1.5	9.2	
GOATS	DIG PROT % *	1.4	9.0	
HORSES	DIG PROT % *	1.4	8.8	
RABBITS	DIG PROT % *	1.4	8.9	
SHEEP	DIG PROT % *	1.5	9.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.44	2.76	
SHEEP	DE MCAL/KG *	0.40	2.50	
CATTLE	ME MCAL/KG *	0.36	2.26	
SHEEP	ME MCAL/KG *	0.33	2.05	
CATTLE	NE-M MCAL/KG *	0.21	1.35	
CATTLE	NE-GAIN MCAL/KG *	0.12	0.75	
CATTLE	NE-LACTATION MCAL/KG *	0.23	1.44	
CATTLE	TDN % *	10.0	62.6	
SHEEP	TDN % *	9.0	55.7	
CALCIUM	%	0.15	0.97	1
PHOSPHORUS	%	0.07	0.45	1

COIX EDULIS EDULIS, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-492

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	31.6	100.0	1
ORGANIC MATTER	%	27.8	87.9	1
ASH	%	3.8	12.1	1
CRUDE FIBER	%	8.4	26.5	1
ETHER EXTRACT	%	0.4	1.3	1
NITROGEN FREE EXTRACT	%	16.1	51.0	1
PROTEIN	%	2.9	9.1	1
CATTLE	DIG PROT % *	1.8	5.6	
GOATS	DIG PROT % *	1.6	5.1	
HORSES	DIG PROT % *	1.7	5.3	
RABBITS	DIG PROT % *	1.8	5.7	
SHEEP	DIG PROT % *	1.7	5.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.83	2.64	
SHEEP	DE MCAL/KG *	0.82	2.61	
CATTLE	ME MCAL/KG *	0.68	2.17	
SHEEP	ME MCAL/KG *	0.68	2.14	
CATTLE	NE-M MCAL/KG *	0.41	1.28	
CATTLE	NE-GAIN MCAL/KG *	0.21	0.66	
CATTLE	NE-LACTATION MCAL/KG *	0.43	1.35	
CATTLE	TDN % *	18.9	59.9	
SHEEP	TDN % *	18.7	59.2	
CALCIUM	%	0.24	0.76	1
PHOSPHORUS	%	0.10	0.32	1

COIX LACRYMAJOBI, JOBSTEARS

COIX LACRYMAJOBI, AERIAL PART, FRESH, (2)

REF NO 2-10-476

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	21.3	100.0	1
ORGANIC MATTER	%	18.9	88.6	
ASH	%	2.4	11.4	2
CRUDE FIBER	%	6.6	30.8	2
ETHER EXTRACT	%	1.7	7.9	2
NITROGEN FREE EXTRACT	%	9.0	42.3	2
PROTEIN	%	1.6	7.5	2
CATTLE	DIG PROT % *	0.9	4.3	
GOATS	DIG PROT % *	0.8	3.6	
HORSES	DIG PROT % *	0.8	3.9	
RABBITS	DIG PROT % *	1.0	4.5	
SHEEP	DIG PROT % *	0.9	4.0	
PHOSPHORUS	%	0.02	0.09	1

COIX LACRYMAJOBI, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-945

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	6.5	100.0	1
ORGANIC MATTER	%	5.1	78.5	1
ASH	%	1.4	21.5	1
CRUDE FIBER	%	2.2	33.6	1
ETHER EXTRACT	%	0.1	1.0	1
NITROGEN FREE EXTRACT	%	2.3	35.1	1
PROTEIN	%	0.6	8.8	1
CATTLE	DIG PROT % *	0.3	5.4	
GOATS	DIG PROT % *	0.3	4.8	
HORSES	DIG PROT % *	0.3	5.0	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT % *	0.4	5.5		
SHEEP	DIG PROT % *	0.3	5.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.18	2.72		
SHEEP	DE MCAL/KG *	0.14	2.17		
CATTLE	ME MCAL/KG *	0.15	2.23		
SHEEP	ME MCAL/KG *	0.12	1.78		
CATTLE	NE-M MCAL/KG *	0.09	1.33		
CATTLE	NE-GAIN MCAL/KG *	0.05	0.72		
CATTLE	NE-LACTATION MCAL/KG *	0.07	1.41		
CATTLE	TDN % *	4.0	61.8		
SHEEP	TDN % *	3.2	49.3		
CALCIUM	%	0.01	0.17		1
PHOSPHORUS	%	0.01	0.17		1

COIX LACRYMAJOBI, SEEDS, (4)
ADLAY

REF NO 4-08-448

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.1	100.0		3
ORGANIC MATTER	%	84.8	94.1		
ASH	%	5.3	5.9		3
CRUDE FIBER	%	15.3	17.0		3
ETHER EXTRACT	%	3.3	3.6		3
NITROGEN FREE EXTRACT	%	58.9	65.4		3
PROTEIN	%	7.3	8.1		3
CATTLE	DIG PROT % *	3.1	3.5		
GOATS	DIG PROT % *	4.2	4.7		
HORSES	DIG PROT % *	4.2	4.7		
SHEEP	DIG PROT % *	4.2	4.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.33	2.58		
SHEEP	DE MCAL/KG *	2.88	3.19		
SWINE	DE KCAL/KG *	2645.	2936.		
CATTLE	ME MCAL/KG *	1.91	2.12		
SHEEP	ME MCAL/KG *	2.36	2.62		
SWINE	ME KCAL/KG *	2496.	2770.		
CATTLE	NE-M MCAL/KG *	1.13	1.25		
CATTLE	NE-GAIN MCAL/KG *	0.55	0.61		
CATTLE	NE-LACTATION MCAL/KG *	1.17	1.30		
CATTLE	TDN % *	52.8	58.6		
SHEEP	TDN % *	65.3	72.4		
SWINE	TDN % *	60.0	66.6		
CALCIUM	%	0.06	0.07		3
COPPER	MG/KG	156.5	173.7		3
IRON	%	0.014	0.015		3
MAGNESIUM	%	0.11	0.12		3
MANGANESE	MG/KG	44.1	49.0		3

COIX LACRYMAJOBI, SEEDS, GRND, (4)

REF NO 4-13-229

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.5		
ASH	%		6.5		1
CRUDE FIBER	%		14.2		1
ETHER EXTRACT	%		3.9		1
NITROGEN FREE EXTRACT	%		64.3		1
PROTEIN	%		11.1		1
CATTLE	DIG PROT % *		6.2		
GOATS	DIG PROT % *		7.4		
HORSES	DIG PROT % *		7.4		
SHEEP	DIG PROT % *		7.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.63		
SHEEP	DE MCAL/KG *		3.21		
SWINE	DE KCAL/KG *		3032.		
CATTLE	ME MCAL/KG *		2.16		
SHEEP	ME MCAL/KG *		2.63		
SWINE	ME KCAL/KG *		2843.		
CATTLE	NE-M MCAL/KG *		1.28		
CATTLE	NE-GAIN MCAL/KG *		0.65		
CATTLE	NE-LACTATION MCAL/KG *		1.34		
CATTLE	TDN % *		59.7		
SHEEP	TDN % *		72.7		
SWINE	TDN % *		68.8		

COLOCASIA ESCULENTA, DASHEEN

COLOCASIA ESCULENTA, AERIAL PART, FRESH, (2)

REF NO 2-10-456

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.7	100.0		1
ORGANIC MATTER	%	14.9	89.5		
ASH	%	1.8	10.5		1
CRUDE FIBER	%	1.4	8.5		1
ETHER EXTRACT	%	0.9	5.5		1
NITROGEN FREE EXTRACT	%	9.8	58.8		1
PROTEIN	%	2.8	16.7		1
CATTLE	DIG PROT % *	2.0	12.1		
GOATS	DIG PROT % *	2.0	12.1		
HORSES	DIG PROT % *	2.0	11.7		
RABBITS	DIG PROT % *	1.9	11.6		
SHEEP	DIG PROT % *	2.1	12.6		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.57	3.39		
SHEEP	ME MCAL/KG *	0.46	2.78		
SHEEP	TDN % *	12.8	76.8		

COLOCASIA ESCULENTA, ROOT PEELINGS, COOKED, (4)

REF NO 4-10-460

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	36.3	100.0		1
ORGANIC MATTER	%	34.9	96.2		
ASH	%	1.4	3.8		1
CRUDE FIBER	%	2.2	6.0		1
ETHER EXTRACT	%	0.1	0.3		1
NITROGEN FREE EXTRACT	%	31.5	86.9		1
PROTEIN	%	1.1	3.0		1
CATTLE	DIG PROT % *	-0.4	-1.2		
GOATS	DIG PROT % *	-0.0	-0.0		
HORSES	DIG PROT % *	-0.0	-0.0		
SHEEP	DIG PROT % *	-0.0	-0.0		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	1.34	3.70		
SWINE	DE KCAL/KG *	1454.	4005.		
SHEEP	ME MCAL/KG *	1.10	3.03		
SWINE	ME KCAL/KG *	1387.	3820.		
SHEEP	TDN % *	30.5	83.9		
SWINE	TDN % *	33.0	90.8		

COLOCASIA ESCULENTA, ROOT PEELINGS, FRESH, (4)

REF NO 4-10-459

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	36.2	100.0		2
ORGANIC MATTER	%	34.4	95.2		
ASH	%	1.8	4.9		2
CRUDE FIBER	%	2.5	7.0		2
ETHER EXTRACT	%	0.3	0.7		2
NITROGEN FREE EXTRACT	%	30.2	83.6		2
PROTEIN	%	1.4	3.9		2
CATTLE	DIG PROT % *	-0.1	-0.4		
GOATS	DIG PROT % *	0.3	0.8		
HORSES	DIG PROT % *	0.3	0.8		
SHEEP	DIG PROT % *	0.3	0.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.16	3.21		
SHEEP	DE MCAL/KG *	1.32	3.64		
SWINE	DE KCAL/KG *	1394.	3856.		
CATTLE	ME MCAL/KG *	0.95	2.63		
SHEEP	ME MCAL/KG *	1.08	2.99		
SWINE	ME KCAL/KG *	1327.	3672.		
CATTLE	NE-M MCAL/KG *	0.59	1.63		
CATTLE	NE-GAIN MCAL/KG *	0.38	1.05		
CATTLE	NE-LACTATION MCAL/KG *	0.65	1.79		
CATTLE	TDN % *	26.3	72.8		
SHEEP	TDN % *	29.9	82.6		
SWINE	TDN % *	31.6	87.5		

COLOCASIA ESCULENTA, ROOTS, COOKED, (4)

REF NO 4-10-465

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.2	100.0		1
ORGANIC MATTER	%	24.9	95.0		
ASH	%	1.3	5.0		1
CRUDE FIBER	%	0.9	3.4		1
ETHER EXTRACT	%	0.1	0.4		1
NITROGEN FREE EXTRACT	%	22.3	85.1		1
PROTEIN	%	1.6	6.1		1
CATTLE	DIG PROT % *	0.4	1.6		
GOATS	DIG PROT % *	0.7	2.8		
HORSES	DIG PROT % *	0.7	2.8		
SHEEP	DIG PROT % *	0.7	2.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.86	3.30		
SHEEP	DE MCAL/KG *	0.98	3.72		
SWINE	DE KCAL/KG *	1010.	3855.		
CATTLE	ME MCAL/KG *	0.71	2.70		
SHEEP	ME MCAL/KG *	0.80	3.05		
SWINE	ME KCAL/KG *	957.	3653.		
CATTLE	NE-M MCAL/KG *	0.44	1.69		
CATTLE	NE-GAIN MCAL/KG *	0.29	1.11		
CATTLE	NE-LACTATION MCAL/KG *	0.49	1.86		
CATTLE	TDN % *	19.6	74.7		
SHEEP	TDN % *	22.1	84.5		
SWINE	TDN % *	22.9	87.4		
CALCIUM	%	0.03	0.11		1
COPPER	MG/KG	2.9	11.1		1
IRON	%	0.001	0.004		1
MAGNESIUM	%	0.03	0.11		1
MANGANESE	MG/KG	1.0	3.8		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
COLOCASIA ESCULENTA, ROOTS, DEHY, (4)					
REF NO 4-10-464					
DRY MATTER		%	85.9	100.0	3
ORGANIC MATTER		%	81.4	94.7	
ASH		%	4.5	5.3	3
CRUDE FIBER		%	0.6	0.7	1
ETHER EXTRACT		%	0.6	0.8	3
NITROGEN FREE EXTRACT		%	75.5	87.9	
PROTEIN		%	4.6	5.4	3
CATTLE	DIG PROT % *		0.8	1.0	
GOATS	DIG PROT % *		1.9	2.2	
HORSES	DIG PROT % *		1.9	2.2	
SHEEP	DIG PROT % *		1.9	2.2	
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG *		3262.	3820.	
SWINE	ME KCAL/KG *		3115.	3626.	
SWINE	TDN % *		74.4	86.6	
COLOCASIA ESCULENTA, ROOTS, FRESH, (4)					
REF NO 4-10-463					
DRY MATTER		%	22.9	100.0	3
ORGANIC MATTER		%	20.7	90.3	
ASH		%	2.2	9.7	3
CRUDE FIBER		%	1.4	5.9	3
ETHER EXTRACT		%	0.2	0.9	3
NITROGEN FREE EXTRACT		%	17.3	75.3	3
PROTEIN		%	1.9	8.1	3
CATTLE	DIG PROT % *		0.8	3.4	
GOATS	DIG PROT % *		1.1	4.7	
HORSES	DIG PROT % *		1.1	4.7	
SHEEP	DIG PROT % *		1.1	4.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		0.56	2.44	
SHEEP	DE MCAL/KG *		0.80	3.49	
SWINE	DE KCAL/KG *		797.	3474.	
CATTLE	ME MCAL/KG *		0.46	2.00	
SHEEP	ME MCAL/KG *		0.66	2.88	
SWINE	ME KCAL/KG *		752.	3279.	
CATTLE	NE-M MCAL/KG *		0.27	1.18	
CATTLE	NE-GAIN MCAL/KG *		0.11	0.49	
CATTLE	NE-LACTATION MCAL/KG *		0.27	1.19	
CATTLE	TDN % *		12.7	55.4	
SHEEP	TDN % *		18.1	79.1	
SWINE	TDN % *		18.1	78.8	
CALCIUM		%	0.05	0.20	3
COPPER		MG/KG	8.0	35.0	2
IRON		%	0.112	0.486	3
MAGNESIUM		%	0.03	0.13	2
MANGANESE		MG/KG	14.9	65.0	2
PHOSPHORUS		%	0.21	0.90	2
COLOCASIA ESCULENTA, ROOTS NO PEELINGS, COOKED, (4)					
REF NO 4-10-462					
DRY MATTER		%	40.2	100.0	1
ORGANIC MATTER		%	39.4	97.9	
ASH		%	0.8	2.1	1
CRUDE FIBER		%	0.6	1.4	1
ETHER EXTRACT		%	0.1	0.3	1
NITROGEN FREE EXTRACT		%	37.9	94.3	1
PROTEIN		%	0.8	1.9	1
CATTLE	DIG PROT % *		-0.9	-2.2	
GOATS	DIG PROT % *		-0.4	-1.0	
HORSES	DIG PROT % *		-0.4	-1.0	
SHEEP	DIG PROT % *		-0.4	-1.0	
COLOCASIA ESCULENTA, ROOTS NO PEELINGS, DEHY GRND EXTN UNSPECIFIED, (4)					
REF NO 4-10-466					
DRY MATTER		%	94.2	100.0	1
ORGANIC MATTER		%	90.2	95.8	
ASH		%	4.0	4.2	1
CRUDE FIBER		%	3.0	3.2	1
ETHER EXTRACT		%	0.5	0.5	1
NITROGEN FREE EXTRACT		%	80.9	85.9	1
PROTEIN		%	5.8	6.2	1
CATTLE	DIG PROT % *		1.6	1.7	
GOATS	DIG PROT % *		2.7	2.9	
HORSES	DIG PROT % *		2.7	2.9	
SHEEP	DIG PROT % *		2.7	2.9	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.18	3.37	
SHEEP	DE MCAL/KG *		3.53	3.75	
SWINE	DE KCAL/KG *		3650.	3875.	
CATTLE	ME MCAL/KG *		2.61	2.77	
SHEEP	ME MCAL/KG *		2.90	3.08	
SWINE	ME KCAL/KG *		3459.	3671.	
CATTLE	NE-M MCAL/KG *		1.64	1.74	
CATTLE	NE-GAIN MCAL/KG *		1.09	1.15	
CATTLE	NE-LACTATION MCAL/KG *		1.81	1.92	
CATTLE	TDN % *		72.1	76.5	
SHEEP	TDN % *		80.2	85.1	
SWINE	TDN % *		82.8	87.9	
CALCIUM		%	0.23	0.24	1
COPPER		MG/KG	11.8	12.5	1
MAGNESIUM		%	0.08	0.08	1
PHOSPHORUS		%	0.30	0.32	1
COLOCASIA ESCULENTA, ROOTS NO PEELINGS, FRESH, (4)					
REF NO 4-10-458					
DRY MATTER		%	35.8	100.0	3
ORGANIC MATTER		%	34.7	96.9	
ASH		%	1.1	3.1	3
CRUDE FIBER		%	0.6	1.6	3
ETHER EXTRACT		%	0.1	0.4	3
NITROGEN FREE EXTRACT		%	32.3	90.3	3
PROTEIN		%	1.7	4.7	3
CATTLE	DIG PROT % *		0.1	0.3	
GOATS	DIG PROT % *		0.6	1.5	
HORSES	DIG PROT % *		0.6	1.5	
SHEEP	DIG PROT % *		0.6	1.5	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		1.36	3.82	
SWINE	DE KCAL/KG *		1419.	3967.	
SHEEP	ME MCAL/KG *		1.12	3.13	
SWINE	ME KCAL/KG *		1349.	3771.	
SHEEP	TDN % *		31.0	86.6	
SWINE	TDN % *		32.2	90.0	
COMMELINA NUDIFLORA, DAYFLOWER, CREEPING					
COMMELINA NUDIFLORA CREEPING, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-11-996					
DRY MATTER		%	8.9	100.0	1
ORGANIC MATTER		%	7.1	80.2	
ASH		%	1.8	19.8	1
CRUDE FIBER		%	1.8	20.2	1
ETHER EXTRACT		%	0.3	3.5	1
NITROGEN FREE EXTRACT		%	3.5	39.8	1
PROTEIN		%	1.5	16.7	1
CATTLE	DIG PROT % *		1.1	12.1	
GOATS	DIG PROT % *		1.1	12.1	
HORSES	DIG PROT % *		1.0	11.7	
RABBITS	DIG PROT % *		1.0	11.6	
SHEEP	DIG PROT % *		1.1	12.6	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		0.20	2.28	
SHEEP	DE MCAL/KG *		0.23	2.63	
CATTLE	ME MCAL/KG *		0.17	1.87	
SHEEP	ME MCAL/KG *		0.19	2.16	
CATTLE	NE-M MCAL/KG *		0.10	1.10	
CATTLE	NE-GAIN MCAL/KG *		0.03	0.35	
CATTLE	NE-LACTATION MCAL/KG *		0.09	1.06	
CATTLE	TDN % *		4.6	51.7	
SHEEP	TDN % *		5.3	59.7	
CALCIUM		%	0.12	1.36	1
PHOSPHORUS		%	0.04	0.42	1
COMMELINA VIRGINICA, DAYFLOWER, VIRGINIA					
COMMELINA VIRGINICA VIRGINIA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-947					
DRY MATTER		%	9.6	100.0	1
ORGANIC MATTER		%	7.3	76.5	1
ASH		%	2.3	23.5	1
CRUDE FIBER		%	2.3	24.2	1
ETHER EXTRACT		%	0.2	1.9	1
NITROGEN FREE EXTRACT		%	3.9	40.5	1
PROTEIN		%	1.0	9.9	1
CATTLE	DIG PROT % *		0.6	6.3	
GOATS	DIG PROT % *		0.6	5.8	
HORSES	DIG PROT % *		0.6	5.9	
RABBITS	DIG PROT % *		0.6	6.3	
SHEEP	DIG PROT % *		0.6	6.2	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		0.21	2.19	
SHEEP	DE MCAL/KG *		0.22	2.33	
CATTLE	ME MCAL/KG *		0.17	1.80	
SHEEP	ME MCAL/KG *		0.18	1.91	
CATTLE	NE-M MCAL/KG *		0.10	1.06	
CATTLE	NE-GAIN MCAL/KG *		0.03	0.27	
CATTLE	NE-LACTATION MCAL/KG *		0.10	1.00	
CATTLE	TDN % *		4.8	49.7	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	TDN % *	5.1	52.9		
CALCIUM	%	0.19	1.93		1
PHOSPHORUS	%	0.03	0.34		1

CONDALIA SPATHULATA, CONDALIA, KNIFELEAF

CONDALIA SPATHULATA KNIFELEAF, BROWSE, FRESH, (2)

REF NO 2-11-779

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	63.6	100.0		1
ORGANIC MATTER	%	53.2	83.7		
ASH	%	10.4	16.4		2
CRUDE FIBER	%	5.9	9.3		2
ETHER EXTRACT	%	2.2	3.5		2
NITROGEN FREE EXTRACT	%	33.7	53.0		2
PROTEIN	%	11.4	17.9		2
CATTLE DIG PROT	% *	8.3	13.1		
GOATS DIG PROT	% *	8.4	13.3		
HORSES DIG PROT	% *	8.1	12.7		
RABBITS DIG PROT	% *	7.9	12.5		
SHEEP DIG PROT	% *	8.7	13.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.20	3.45		
SHEEP DE	MCAL/KG *	1.98	3.11		
CATTLE ME	MCAL/KG *	1.80	2.83		
SHEEP ME	MCAL/KG *	1.62	2.55		
CATTLE NE-M	MCAL/KG *	1.15	1.80		
CATTLE NE-GAIN	MCAL/KG *	0.76	1.20		
CATTLE NE-LACTATION	MCAL/KG *	1.26	1.98		
CATTLE TDN	% *	49.8	78.4		
SHEEP TDN	% *	44.9	70.6		

CONDALIA SPP, CONDALIA

CONDALIA SPP, BROWSE, FRESH, (2)

REF NO 2-11-778

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	64.6	100.0		1
ORGANIC MATTER	%	40.1	62.1		
ASH	%	24.5	37.9		2
CRUDE FIBER	%	3.2	5.0		2
ETHER EXTRACT	%	3.2	5.0		2
NITROGEN FREE EXTRACT	%	21.9	33.9		2
PROTEIN	%	11.8	18.3		2
CATTLE DIG PROT	% *	8.7	13.4		
GOATS DIG PROT	% *	8.8	13.6		
HORSES DIG PROT	% *	8.4	13.1		
RABBITS DIG PROT	% *	8.3	12.8		
SHEEP DIG PROT	% *	9.1	14.0		

CONDENSED FISH SOLUBLES (AAFCO)
=SEE FISH, STICKWATER SOLUBLES, CONDENSED, MN 30% PROTEIN, (5)

CONVOLVULUS BATATAS, GLORYBIND, BATATAS

CONVOLVULUS BATATAS BATATAS, ROOTS, DEHY GRND, (4)

REF NO 4-13-455

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.7	100.0		1
ORGANIC MATTER	%	90.0	96.1		
ASH	%	3.7	3.9		1
CRUDE FIBER	%	3.2	3.4		1
ETHER EXTRACT	%	2.5	2.7		1
NITROGEN FREE EXTRACT	%	74.2	79.2		1
PROTEIN	%	10.1	10.8		1
CATTLE DIG PROT	% *	5.5	5.9		
GOATS DIG PROT	% *	6.7	7.1		
HORSES DIG PROT	% *	6.7	7.1		
SHEEP DIG PROT	% *	6.7	7.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.06	3.27		
SHEEP DE	MCAL/KG *	3.48	3.72		
SWINE DE	KCAL/KG *	3471.	3704.		
CATTLE ME	MCAL/KG *	2.51	2.68		
SHEEP ME	MCAL/KG *	2.84	3.03		
SWINE ME	KCAL/KG *	3257.	3476.		
CATTLE NE-M	MCAL/KG *	1.56	1.67		
CATTLE NE-GAIN	MCAL/KG *	1.02	1.09		
CATTLE NE-LACTATION	MCAL/KG *	1.72	1.84		
CATTLE TDN	% *	69.5	74.2		
SHEEP TDN	% *	79.0	84.3		
SWINE TDN	% *	78.7	84.0		

COPERNICIA CERIFERA, CARNAUBAPALM

COPERNICIA CERIFERA, SEEDS, (4)

REF NO 4-13-263

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.7		
ASH	%		5.3		1
CRUDE FIBER	%		21.0		1
ETHER EXTRACT	%		5.1		1
NITROGEN FREE EXTRACT	%		56.8		1
PROTEIN	%		11.8		1
CATTLE DIG PROT	% *		6.8		
GOATS DIG PROT	% *		8.0		
HORSES DIG PROT	% *		8.0		
SHEEP DIG PROT	% *		8.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.73		
SHEEP DE	MCAL/KG *		2.96		
SWINE DE	KCAL/KG *		2425.		
CATTLE ME	MCAL/KG *		2.24		
SHEEP ME	MCAL/KG *		2.42		
SWINE ME	KCAL/KG *		2270.		
CATTLE NE-M	MCAL/KG *		1.33		
CATTLE NE-GAIN	MCAL/KG *		0.72		
CATTLE NE-LACTATION	MCAL/KG *		1.42		
CATTLE TDN	% *		61.9		
SHEEP TDN	% *		67.0		
SWINE TDN	% *		55.0		

COPRA MEAL, MECHANICAL EXTRACTED (AAFCO)
=SEE COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5)

COPRA MEAL, SOLVENT EXTRACTED (AAFCO)
=SEE COCOS NUCIFERA, MEATS, SOLV EXTD GRND, (5)

COPRA OIL MEAL, EXPELLER EXTRACTED
=SEE COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5)

COPRA OIL MEAL, HYDRAULIC EXTRACTED
=SEE COCOS NUCIFERA, MEATS, MECH EXTD GRND, (5)

COPRA OIL MEAL, SOLVENT EXTRACTED
=SEE COCOS NUCIFERA, MEATS, SOLV EXTD GRND, (5)

CORDIA BOISSIERI, ANACAHUITA,

CORDIA BOISSIERI, BROWSE, FRESH, (2)

REF NO 2-11-436

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.2	100.0		1
ORGANIC MATTER	%	30.4	88.9		
ASH	%	3.8	11.1	37	8
CRUDE FIBER	%	4.8	14.2	25	8
ETHER EXTRACT	%	2.0	6.0	44	8
NITROGEN FREE EXTRACT	%	18.3	53.4	33	8
PROTEIN	%	5.2	15.2	36	8
CATTLE DIG PROT	% *	3.7	10.8		
GOATS DIG PROT	% *	3.7	10.8		
HORSES DIG PROT	% *	3.6	10.4		
RABBITS DIG PROT	% *	3.6	10.4		
SHEEP DIG PROT	% *	3.8	11.2		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	1.06	3.10		
SHEEP ME	MCAL/KG *	0.87	2.54		
SHEEP TDN	% *	24.1	70.3		

CORDIA CURASSAVICA

CORDIA CURASSAVICA CURASSAVICA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-948

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.8	100.0		1
ORGANIC MATTER	%	28.4	89.4		1
ASH	%	3.4	10.6		1
CRUDE FIBER	%	8.0	25.0		1
ETHER EXTRACT	%	0.8	2.5		1
NITROGEN FREE EXTRACT	%	15.1	47.6		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
PROTEIN	%	4.5	14.1	1
CATTLE	DIG PROT % *	3.1	9.9	
GOATS	DIG PROT % *	3.1	9.7	
HORSES	DIG PROT % *	3.0	9.5	
RABBITS	DIG PROT % *	3.0	9.6	
SHEEP	DIG PROT % *	3.2	10.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.89	2.81	
SHEEP	DE MCAL/KG *	0.88	2.76	
CATTLE	ME MCAL/KG *	0.73	2.30	
SHEEP	ME MCAL/KG *	0.72	2.26	
CATTLE	NE-M MCAL/KG *	0.44	1.38	
CATTLE	NE-GAIN MCAL/KG *	0.25	0.78	
CATTLE	NE-LACTATION MCAL/KG *	0.47	1.48	
CATTLE	TDN % *	20.3	63.7	
SHEEP	TDN % *	19.9	62.5	
CALCIUM	%	0.76	2.38	1
PHOSPHORUS	%	0.08	0.25	1

CORN AND COB MEAL WITH HUSKS (AAFCO)
-SEE ZEA MAYS, EARS W HUSKS, GRND, (4)

CORN AND COB MEAL (AAFCO)
-SEE ZEA MAYS, EARS, GRND, (4)

CORN BRAN (CFA)
-SEE ZEA MAYS, BRAN, WET OR DRY MILLED
DEHY, (4)

CORN BRAN (AAFCO)
-SEE ZEA MAYS, BRAN, WET OR DRY MILLED
DEHY, (4)

CORN CHOP (AAFCO)
-SEE ZEA MAYS, GRAIN, GRND, MX 4%
FOREIGN MATERIAL, (4)

CORN DISTILLERS DRIED GRAINS WITH SOLUBLES
(AAFCO)
-SEE ZEA MAYS, DISTILLERS GRAINS W
SOLUBLES, DEHY, MN 75% ORIGINAL
SOLIDS, (5)

CORN DISTILLERS DRIED GRAINS (CFA)
-SEE ZEA MAYS, DISTILLERS GRAINS,
DEHY, (5)

CORN DISTILLERS DRIED GRAINS (AAFCO)
-SEE ZEA MAYS, DISTILLERS GRAINS,
DEHY, (5)

CORN DISTILLERS DRIED SOLUBLES (AAFCO)
-SEE ZEA MAYS, DISTILLERS SOLUBLES,
DEHY, (5)

CORN FEED MEAL (CFA)
-SEE ZEA MAYS, GRAIN FINES, CRACKED
COARSE SCREENED PASSED, (4)

CORN FEED MEAL (AAFCO)
-SEE ZEA MAYS, GRAIN FINES, CRACKED
COARSE SCREENED PASSED, (4)

CORN FODDER, FRESH
-SEE ZEA MAYS, AERIAL PART, FRESH, (2)

CORN FODDER SILAGE, DOUGH STAGE
-SEE ZEA MAYS, AERIAL PART, ENSILED,
DOUGH STAGE, (3)

CORN FODDER SILAGE, MATURE
-SEE ZEA MAYS, AERIAL PART, ENSILED,
MATURE, (3)

CORN FODDER SILAGE, MILK STAGE
-SEE ZEA MAYS, AERIAL PART, ENSILED,
MILK STAGE, (3)

CORN FODDER SILAGE
-SEE ZEA MAYS, AERIAL PART, ENSILED,
(3)

CORN FODDER, SUN-CURED
-SEE ZEA MAYS, AERIAL PART, S-C, (1)

CORN GERM MEAL (DRY MILLED) MECHANICAL
EXTRACTED
-SEE ZEA MAYS, GERM, MECH EXTD GRND,
(5)

CORN GERM MEAL (DRY MILLED), SOLVENT EXTRACTED
-SEE ZEA MAYS, GERM, SOLV EXTD GRND,
(5)

CORN GLUTEN FEED (CFA)
-SEE ZEA MAYS, GLUTEN W BRAN, WET
MILLED DEHY, (5)

CORN GLUTEN FEED (AAFCO)
-SEE ZEA MAYS, GLUTEN W BRAN, WET
MILLED DEHY, (5)

CORN GLUTEN MEAL (CFA)
-SEE ZEA MAYS, GLUTEN, WET MILLED
DEHY, (5)

CORN GLUTEN MEAL (AAFCO)
-SEE ZEA MAYS, GLUTEN, WET MILLED
DEHY, (5)

CORN MEAL (AAFCO)
-SEE ZEA MAYS, GRAIN, GRND, MX 4%
FOREIGN MATERIAL, (4)

CORN OIL MEAL EXPELLED EXTRACTED
-SEE ZEA MAYS, GERM, MECH EXTD GRND,
(5)

CORN OIL MEAL, SOLVENT EXTRACTED
-SEE ZEA MAYS, GERM, SOLV EXTD GRND,
(5)

CORN STOVER SILAGE
-SEE ZEA MAYS, AERIAL PART NO EARS NO
HUSKS, ENSILED, (3)

CORN STOVER, SUN-CURED
-SEE ZEA MAYS, AERIAL PART NO EARS NO
HUSKS, S-C, (1)

CORN, WHITE, MEAL
-SEE ZEA MAYS WHITE, GRAIN, GRND, (4)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COTTAGE CHEESE					
-SEE BOS SPP COTTAGE, CHEESE, (5)					
COTTONSEED CAKE, MECHANICAL EXTRACTED (AAFCO)					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND CAKED, MN 36% PROTEIN, (5)					
COTTONSEED MEAL, EXPELLER EXTRACTED					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 36% PROTEIN, (5)					
COTTONSEED MEAL, HYDRAULIC EXTRACTED					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 36% PROTEIN, (5)					
COTTONSEED MEAL, MECHANICAL EXTRACTED (AAFCO)					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 36% PROTEIN, (5)					
COTTONSEED MEAL, PRE-PRESS SOLVENT EXTRACTED, 41PROTEIN					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, PRLPRESSED SOLV EXTD GRND, 41% PROTEIN, (5)					
COTTONSEED MEAL, 36% PROTEIN					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 36% PROTEIN MX 17% FIBER MN 2% FAT, (5)					
COTTONSEED MEAL, 41% PROTEIN					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 41% PROTEIN MX 14% FIBER MN 2% FAT, (5)					
COTTONSEED MEAL, SOLVENT EXTRACTED, 41% PROTEIN					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND, MN 41% PROTEIN MX 14% FIBER MN 0.5% FAT, (5)					
COTTONSEED MEAL, SOLVENT EXTRACTED (AAFCO)					
-SEE GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND, MN 36% PROTEIN, (5)					
COTTONSEED MEAL					
-SEE GOSSYPIUM SPP, SEEDS, EXTN UNSPECIFIED GRND, (5)					
COTTONSEED, WHOLE, GROUND					
-SEE GOSSYPIUM SPP, SEEDS, GRND, (5)					

COUTAREA HEXANDRA

COUTAREA HEXANDRA HEXANDRA, AERIAL PART, FRESH, MIUBLOOM, (2)

REF NO 2-13-949

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.5	100.0		5
ORGANIC MATTER	%	22.6	84.6		1
ASH	%	4.1	15.4		1
CRUDE FIBER	%	4.7	17.6		1
ETHER EXTRACT	%	1.1	4.1		1
NITROGEN FREE EXTRACT	%	10.6	39.9		1
PROTEIN	%	6.1	23.0		1
CATTLE DIG PROT	% *	4.6	17.4		
GOATS DIG PROT	% *	4.8	18.0		
HORSES DIG PROT	% *	4.5	17.1		
RABBITS DIG PROT	% *	4.4	16.4		
SHEEP DIG PROT	% *	4.9	18.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.71	2.67		
SHEEP DE	MCAL/KG *	0.78	2.93		
CATTLE ME	MCAL/KG *	0.58	2.19		
SHEEP ME	MCAL/KG *	0.64	2.40		
CATTLE NE-M	MCAL/KG *	0.34	1.30		
CATTLE NE-GAIN	MCAL/KG *	0.18	0.68		
CATTLE NE-LACTATION	MCAL/KG *	0.36	1.37		
CATTLE TDN	% *	16.0	60.5		
SHEEP TDN	% *	17.6	66.5		
CALCIUM	%	0.67	2.51		1
PHOSPHORUS	%	0.08	0.31		1

CRAB MEAL (AAFCO)
-SEE CALLINECTES SAPIDUS, CANCER SPP, PARALITHODES CAMSCHATICA, PROCESS RESIDUE, DEHY GRND, MN 25% PROTEIN SALT DECLARED ABOVE 3% MX 7%, (5)

CRACKED CORN (AAFCO)
-SEE ZEA MAYS, GRAIN, CRACKED, MX 4% FOREIGN MATERIAL, (4)

CRACKLINGS
-SEE SUS SCROFA, CRACKLINGS, DRY RENDERED DEHY, (5)

CRASSOSTREA SPP, OSTREA SPP, OYSTERS

CRASSOSTREA SPP, OSTREA SPP, SHELLS, FINE GRND, MN 33% CALCIUM, (6)
OYSTER SHELL FLOUR (AAFCO)

REF NO 6-03-481

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	97.2	100.0	4	5
ORGANIC MATTER	%	17.1	17.6		
ASH	%	80.1	82.4	17	4
CRUDE FIBER	%	1.5	1.5		2
ETHER EXTRACT	%	0.4	0.5		2
NITROGEN FREE EXTRACT	%	14.5	15.0		2
PROTEIN	%	0.6	0.7		2
ENERGY GE	KCAL/KG				
CHICKENS NE-M	KCAL/KG	37.	38.		1
CALCIUM	%	(37.48)	(38.57)	4	5
CHLORINE	%	0.01	0.01		1
IRON	%	(0.286)	(0.294)		2
MAGNESIUM	%	(0.29)	(0.30)		1
MANGANESE	MG/KG	130.5	134.3		2
PHOSPHORUS	%	(12.51)	(12.88)		2
POTASSIUM	%	(0.10)	(0.10)		1
SODIUM	%	0.20	0.21		1

CRASSOSTREA SPP, OSTREA SPP, SHELLS, GRND, (6)

REF NO 6-13-774

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	99.8	100.0		1
ORGANIC MATTER	%	1.7	1.7		1
ASH	%	97.5	97.6		1
ETHER EXTRACT	%	0.2	0.2		1
CALCIUM	%	39.03	39.10		1
IRON	%	0.115	0.116		1
PHOSPHORUS	%	0.06	0.06		1

CRESCENTIA ALATA, CALABASHTREE, CROSSLEAF

CRESCENTIA ALATA CROSSLEAF, HULLS, (1)

REF NO 1-11-454

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.0	100.0		1
ORGANIC MATTER	%	85.8	96.4		1
ASH	%	3.2	3.6		1
CRUDE FIBER	%	67.1	75.4		1
ETHER EXTRACT	%	1.1	1.2		1
NITROGEN FREE EXTRACT	%	14.0	15.7		1
PROTEIN	%	3.6	4.0		1
CATTLE DIG PROT	% *	0.4	0.4		
GOATS DIG PROT	% *	0.3	0.3		
HORSES DIG PROT	% *	0.9	1.0		
RABBITS DIG PROT	% *	1.6	1.8		
SHEEP DIG PROT	% *	0.2	0.2		
CALCIUM	%	0.04	0.04		1
IRON	%	0.003	0.003		1
PHOSPHORUS	%	0.12	0.13		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CRESCENTIA ALATA CROSSLEAF, PULP, (4)				
REF NO 4-10-628				
DRY MATTER	%	74.0	100.0	1
ORGANIC MATTER	%	68.4	92.4	1
ASH	%	5.6	7.6	1
CRUDE FIBER	%	10.9	14.7	1
ETHER EXTRACT	%	11.8	15.9	1
NITROGEN FREE EXTRACT	%	35.3	47.7	1
PROTEIN	%	10.4	14.1	1
CATTLE DIG PROT	% *	6.6	8.9	
GOATS DIG PROT	% *	7.5	10.1	
HORSES DIG PROT	% *	7.5	10.1	
SHEEP DIG PROT	% *	7.5	10.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	3.18	4.29	
SHEEP DE	MCAL/KG *	2.63	3.56	
SWINE DE	KCAL/KG *	2588.	3498.	
CATTLE ME	MCAL/KG *	2.61	3.52	
SHEEP ME	MCAL/KG *	2.16	2.92	
SWINE ME	KCAL/KG *	2411.	3258.	
CATTLE NE-M	MCAL/KG *	1.89	2.56	
CATTLE NE-GAIN	MCAL/KG *	1.18	1.60	
CATTLE NE-LACTATION	MCAL/KG *	1.95	2.64	
CATTLE TDN	% *	72.1	97.4	
SHEEP TDN	% *	59.7	80.7	
SWINE TDN	% *	58.7	79.3	
CALCIUM	%	0.13	0.18	1
IRON	%	0.002	0.003	1
PHOSPHORUS	%	0.30	0.41	1
CRESCENTIA ALATA CROSSLEAF, SEEDS, (5)				
REF NO 5-10-627				
DRY MATTER	%	92.2	100.0	2
ORGANIC MATTER	%	89.1	96.6	2
ASH	%	3.2	3.4	2
CRUDE FIBER	%	17.3	18.8	2
ETHER EXTRACT	%	33.6	36.4	2
NITROGEN FREE EXTRACT	%	12.0	13.0	2
PROTEIN	%	26.2	28.4	2
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	4.22	4.58	
SHEEP ME	MCAL/KG *	3.46	3.75	
SHEEP TDN	% *	95.7	103.8	
CALCIUM	%	0.11	0.11	2
IRON	%	0.016	0.017	2
PHOSPHORUS	%	0.78	0.85	2
NIACIN	MG/KG	8.9	9.7	2
RIBOFLAVIN	MG/KG			
THIAMINE	MG/KG			
CRESCENTIA ALATA CROSSLEAF, SEEDS, SOLV EXTD GRND, (5)				
REF NO 5-11-455				
DRY MATTER	%	87.9	100.0	1
ORGANIC MATTER	%	81.3	92.5	1
ASH	%	6.6	7.5	1
CRUDE FIBER	%	4.2	4.8	1
ETHER EXTRACT	%	4.1	4.7	1
NITROGEN FREE EXTRACT	%	10.4	11.8	1
PROTEIN	%	62.6	71.2	1
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	3.13	3.56	
SHEEP ME	MCAL/KG *	2.57	2.92	
SHEEP TDN	% *	71.0	80.8	
CRESCENTIA ALATA CROSSLEAF, SEEDS, SOLV EXTD GRND SIFTED, (5)				
REF NO 5-11-453				
DRY MATTER	%	87.7	100.0	2
ORGANIC MATTER	%	80.4	91.7	2
ASH	%	7.3	8.3	2
CRUDE FIBER	%	5.9	6.7	2
ETHER EXTRACT	%	1.5	1.7	2
NITROGEN FREE EXTRACT	%	15.0	17.1	2
PROTEIN	%	58.1	66.2	2
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	2.90	3.31	
SHEEP ME	MCAL/KG *	2.38	2.71	
SHEEP TDN	% *	65.8	75.0	
CALCIUM	%	0.13	0.14	2
IRON	%	0.020	0.023	2
PHOSPHORUS	%	1.60	1.82	2
CRESCENTIA CUJETE, CALABASHTREE, COMMON				
CRESCENTIA CUJETE COMMON, SEEDS W PODS, (4)				
REF NO 4-15-413				
DRY MATTER	%	92.4	100.0	1
ORGANIC MATTER	%	87.2	94.4	
ASH	%	5.2	5.5	1
CRUDE FIBER	%	21.2	22.9	1
ETHER EXTRACT	%	2.8	3.0	1
NITROGEN FREE EXTRACT	%	39.4	42.6	1
PROTEIN	%	23.9	25.9	1
CATTLE DIG PROT	% *	18.3	19.8	
GOATS DIG PROT	% *	19.4	21.0	
HORSES DIG PROT	% *	19.4	21.0	
SHEEP DIG PROT	% *	19.4	21.0	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	2.53	2.74	
SHEEP ME	MCAL/KG *	2.08	2.25	
SHEEP TDN	% *	57.5	62.2	
CROTALARIA ANAGYROIDES				
CROTALARIA ANAGYROIDES ANAGYROIDES, AERIAL PART, FRESH, LATE VEGETATIVE, (2)				
REF NO 2-13-950				
DRY MATTER	%	21.8	100.0	1
ORGANIC MATTER	%	19.9	91.4	1
ASH	%	1.9	8.6	1
CRUDE FIBER	%	4.0	18.3	1
ETHER EXTRACT	%	0.7	3.3	1
NITROGEN FREE EXTRACT	%	10.1	46.5	1
PROTEIN	%	5.1	23.3	1
CATTLE DIG PROT	% *	3.9	17.7	
GOATS DIG PROT	% *	4.0	18.3	
HORSES DIG PROT	% *	3.8	17.3	
RABBITS DIG PROT	% *	3.6	16.7	
SHEEP DIG PROT	% *	4.1	18.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.73	3.34	
SHEEP DE	MCAL/KG *	0.67	3.09	
CATTLE ME	MCAL/KG *	0.60	2.74	
SHEEP ME	MCAL/KG *	0.55	2.54	
CATTLE NE-M	MCAL/KG *	0.37	1.72	
CATTLE NE-GAIN	MCAL/KG *	0.25	1.13	
CATTLE NE-LACTATION	MCAL/KG *	0.41	1.89	
CATTLE TDN	% *	16.5	75.8	
SHEEP TDN	% *	15.3	70.2	
CALCIUM	%	0.41	1.86	1
PHOSPHORUS	%	0.08	0.35	1
CROTALARIA ANAGYROIDES ANAGYROIDES, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-13-951				
DRY MATTER	%	27.6	100.0	2
ORGANIC MATTER	%	25.5	92.3	2
ASH	%	2.2	7.9	2
CRUDE FIBER	%	7.9	28.8	2
ETHER EXTRACT	%	0.6	2.1	2
NITROGEN FREE EXTRACT	%	11.2	40.4	2
PROTEIN	%	5.8	20.9	2
CATTLE DIG PROT	% *	4.3	15.7	
GOATS DIG PROT	% *	4.4	16.1	
HORSES DIG PROT	% *	4.2	15.3	
RABBITS DIG PROT	% *	4.1	14.8	
SHEEP DIG PROT	% *	4.5	16.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.78	2.84	
SHEEP DE	MCAL/KG *	0.77	2.80	
CATTLE ME	MCAL/KG *	0.64	2.33	
SHEEP ME	MCAL/KG *	0.63	2.30	
CATTLE NE-M	MCAL/KG *	0.38	1.39	
CATTLE NE-GAIN	MCAL/KG *	0.22	0.80	
CATTLE NE-LACTATION	MCAL/KG *	0.41	1.50	
CATTLE TDN	% *	17.8	64.4	
SHEEP TDN	% *	17.5	63.5	
CALCIUM	%	0.35	1.28	2
PHOSPHORUS	%	0.10	0.35	2
CROTALARIA ANAGYROIDES ANAGYROIDES, AERIAL PART, FRESH, MILK STAGE, (2)				
REF NO 2-13-952				
DRY MATTER	%	28.4	100.0	1
ORGANIC MATTER	%	26.2	92.2	1
ASH	%	2.2	7.8	1
CRUDE FIBER	%	6.6	23.1	1
ETHER EXTRACT	%	0.8	2.9	1
NITROGEN FREE EXTRACT	%	12.7	44.6	1
PROTEIN	%	6.1	21.6	1
CATTLE DIG PROT	% *	4.6	16.3	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT	% *	4.7	16.7	
HORSES	DIG PROT	% *	4.5	15.9	
RABBITS	DIG PROT	% *	4.4	15.3	
SHEEP	DIG PROT	% *	4.9	17.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.88	3.10	
SHEEP	DE	MCAL/KG *	0.84	2.96	
CATTLE	ME	MCAL/KG *	0.72	2.54	
SHEEP	ME	MCAL/KG *	0.69	2.43	
CATTLE	NE-M	MCAL/KG *	0.44	1.55	
CATTLE	NE-GAIN	MCAL/KG *	0.28	0.98	
CATTLE	NE-LACTATION	MCAL/KG *	0.48	1.70	
CATTLE	TDN	% *	20.0	70.3	
SHEEP	TDN	% *	19.1	67.2	
CALCIUM		%	0.55	1.92	1
PHOSPHORUS		%	0.09	0.32	1

CROTALARIA INCANA, CROTALARIA, SHACKSHACK

CROTALARIA INCANA SHACKSHACK, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-954

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	16.9	100.0	1
ORGANIC MATTER		%	15.7	92.7	
ASH		%	1.2	7.3	1
CRUDE FIBER		%	5.6	33.3	1
ETHER EXTRACT		%	0.3	1.7	1
NITROGEN FREE EXTRACT		%	5.8	34.5	1
PROTEIN		%	3.9	23.2	1
CATTLE	DIG PROT	% *	3.0	17.6	
GOATS	DIG PROT	% *	3.1	18.2	
HORSES	DIG PROT	% *	2.9	17.2	
RABBITS	DIG PROT	% *	2.8	16.6	
SHEEP	DIG PROT	% *	3.1	18.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.50	2.94	
SHEEP	DE	MCAL/KG *	0.47	2.76	
CATTLE	ME	MCAL/KG *	0.41	2.41	
SHEEP	ME	MCAL/KG *	0.38	2.26	
CATTLE	NE-M	MCAL/KG *	0.25	1.45	
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.87	
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.58	
CATTLE	TDN	% *	11.3	66.6	
SHEEP	TDN	% *	10.6	62.6	
CALCIUM		%	0.29	1.74	1
PHOSPHORUS		%	0.06	0.34	1

CROTALARIA INCANA SHACKSHACK, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-953

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	16.3	100.0	1
ORGANIC MATTER		%	14.7	90.3	
ASH		%	1.6	9.7	1
CRUDE FIBER		%	6.1	37.6	1
ETHER EXTRACT		%	0.2	1.1	1
NITROGEN FREE EXTRACT		%	4.7	28.6	1
PROTEIN		%	3.7	23.0	1
CATTLE	DIG PROT	% *	2.8	17.4	
GOATS	DIG PROT	% *	2.9	18.0	
HORSES	DIG PROT	% *	2.8	17.1	
RABBITS	DIG PROT	% *	2.7	16.4	
SHEEP	DIG PROT	% *	3.0	18.4	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.43	2.65	
SHEEP	ME	MCAL/KG *	0.35	2.17	
SHEEP	TDN	% *	9.8	60.0	
CALCIUM		%	0.28	1.69	1
PHOSPHORUS		%	0.06	0.36	1

CROTALARIA INTERMEDIA, CROTALARIA, SLENDERLEAF

CROTALARIA INTERMEDIA SLENDERLEAF, LEAVES, FRESH FERTILIZED, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-957

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	19.3	100.0	1
ORGANIC MATTER		%	17.7	91.7	
ASH		%	1.6	8.3	1
CRUDE FIBER		%	6.2	32.3	1
PROTEIN		%	2.7	13.8	1
CATTLE	DIG PROT	% *	1.9	9.6	
GOATS	DIG PROT	% *	1.8	9.4	
HORSES	DIG PROT	% *	1.8	9.2	
RABBITS	DIG PROT	% *	1.8	9.3	
SHEEP	DIG PROT	% *	1.9	9.9	

CROTALARIA JUNCEA, CROTALARIA, SUNN

CROTALARIA JUNCEA SUNN, AERIAL PART, FRESH, (2)

REF NO 2-13-955

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	29.5	100.0	2
ORGANIC MATTER		%	27.7	94.0	2
ASH		%	1.8	6.0	2
CRUDE FIBER		%	12.3	41.9	2
ETHER EXTRACT		%	0.7	2.3	2
NITROGEN FREE EXTRACT		%	9.6	32.6	2
PROTEIN		%	5.1	17.3	2
CATTLE	DIG PROT	% *	3.7	12.6	
GOATS	DIG PROT	% *	3.7	12.7	
HORSES	DIG PROT	% *	3.6	12.2	
RABBITS	DIG PROT	% *	3.5	12.0	
SHEEP	DIG PROT	% *	3.9	13.1	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.80	2.71	
SHEEP	ME	MCAL/KG *	0.65	2.22	
SHEEP	TDN	% *	18.1	61.4	
CALCIUM		%	0.28	0.96	2
PHOSPHORUS		%	0.08	0.27	2

CROTALARIA LONGIROSTRATA

CROTALARIA LONGIROSTRATA LONGIROSTRATA, LEAVES, DEHY GRND, (1)

REF NO 1-11-457

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	93.4	100.0	2
ORGANIC MATTER		%	86.3	92.4	2
ASH		%	7.1	7.6	2
CRUDE FIBER		%	14.0	15.0	2
ETHER EXTRACT		%	5.4	5.8	2
NITROGEN FREE EXTRACT		%	36.4	39.0	2
PROTEIN		%	30.5	32.7	2
CATTLE	DIG PROT	% *	23.6	25.3	
GOATS	DIG PROT	% *	25.3	27.1	
HORSES	DIG PROT	% *	23.6	25.3	
RABBITS	DIG PROT	% *	22.3	23.9	
SHEEP	DIG PROT	% *	24.2	25.9	

CROTALARIA LONGIROSTRATA LONGIROSTRATA, SEEDS, (5)

REF NO 5-11-458

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	88.7	100.0	1
ORGANIC MATTER		%	85.7	96.6	1
ASH		%	3.0	3.4	1
CRUDE FIBER		%	14.6	16.5	1
ETHER EXTRACT		%	5.2	5.9	1
NITROGEN FREE EXTRACT		%	35.5	40.0	1
PROTEIN		%	30.4	34.3	1
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.90	3.26	
SHEEP	DE	MCAL/KG *	3.15	3.55	
CATTLE	ME	MCAL/KG *	2.37	2.68	
SHEEP	ME	MCAL/KG *	2.58	2.91	
CATTLE	NE-M	MCAL/KG *	1.48	1.66	
CATTLE	NE-GAIN	MCAL/KG *	0.96	1.09	
CATTLE	NE-LACTATION	MCAL/KG *	1.63	1.83	
CATTLE	TDN	% *	65.7	74.0	
SHEEP	TDN	% *	71.4	80.4	
CALCIUM		%	0.20	0.23	1
IRON		%	0.007	0.008	1
PHOSPHORUS		%	0.21	0.24	1
RIBOFLAVIN		MG/KG	5.8	6.5	1
THIAMINE		MG/KG	7.1	8.0	1

CROTALARIA RETUSA

CROTALARIA RETUSA RETUSA, AERIAL PART, FRESH, (2)

REF NO 2-13-956

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	25.0	100.0	1
ORGANIC MATTER		%	23.0	92.1	1
ASH		%	2.0	7.9	1
CRUDE FIBER		%	9.3	37.3	1
ETHER EXTRACT		%	0.4	1.7	1
NITROGEN FREE EXTRACT		%	9.8	39.3	1
PROTEIN		%	3.5	13.8	1
CATTLE	DIG PROT	% *	2.4	9.6	
GOATS	DIG PROT	% *	2.4	9.8	
HORSES	DIG PROT	% *	2.3	9.2	
RABBITS	DIG PROT	% *	2.3	9.3	
SHEEP	DIG PROT	% *	2.5	9.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.64	2.57	
SHEEP	DE	MCAL/KG *	0.64	2.57	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	ME MCAL/KG *	0.53	2.10	
SHEEP	ME MCAL/KG *	0.53	2.11	
CATTLE	NE-M MCAL/KG *	0.31	1.24	
CATTLE	NE-GAIN MCAL/KG *	0.15	0.59	
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.29	
CATTLE	TDN % *	14.5	58.2	
SHEEP	TDN % *	14.6	58.4	
CALCIUM	%	0.29	1.16	1
PHOSPHORUS	%	0.09	0.35	1

CROTALARIA SPP. CROTALARIA

CROTALARIA SPP. HAY. S-C. (1)

REF NO 1-10-115

DRY MATTER	%	89.0	100.0	1
ORGANIC MATTER	%	79.0	88.8	
ASH	%	10.0	11.2	1
CRUDE FIBER	%	18.8	21.1	1
ETHER EXTRACT	%	2.2	2.5	1
NITROGEN FREE EXTRACT	%	30.9	34.7	1
PROTEIN	%	27.1	30.4	1
CATTLE	DIG PROT % *	20.7	23.3	
GOATS	DIG PROT % *	22.2	25.0	
HORSES	DIG PROT % *	20.8	23.4	
RABBITS	DIG PROT % *	19.7	22.2	
SHEEP	DIG PROT % *	21.3	23.9	

CROTALARIA SPP. AERIAL PART. FRESH. (2)

REF NO 2-01-680

DRY MATTER	%	20.0	100.0	1
ORGANIC MATTER	%	17.5	87.7	1
ASH	%	2.5	12.3	1
CRUDE FIBER	%	4.1	20.3	1
ETHER EXTRACT	%	0.7	3.5	1
NITROGEN FREE EXTRACT	%	8.7	43.3	1
PROTEIN	%	4.1	20.6	1
CATTLE	DIG PROT % *	3.1	15.4	
GOATS	DIG PROT % *	3.2	15.8	
HORSES	DIG PROT % *	3.0	15.0	
RABBITS	DIG PROT % *	2.9	14.6	
SHEEP	DIG PROT % *	3.2	16.2	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.59	2.95	
SHEEP	DE MCAL/KG *	0.58	2.91	
CATTLE	ME MCAL/KG *	0.48	2.42	
SHEEP	ME MCAL/KG *	0.48	2.39	
CATTLE	NE-M MCAL/KG *	0.29	1.46	
CATTLE	NE-GAIN MCAL/KG *	0.16	0.88	
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.58	
CATTLE	TDN % *	13.4	66.8	
SHEEP	TDN % *	13.2	66.0	
CALCIUM	%	0.49	2.46	1
PHOSPHORUS	%	0.72	3.60	1

CROTALARIA SPP. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-01-678

DRY MATTER	%	25.7	100.0	1
ORGANIC MATTER	%	24.0	93.2	1
ASH	%	1.7	6.8	1
CRUDE FIBER	%	6.7	26.2	1
ETHER EXTRACT	%	0.6	2.2	1
NITROGEN FREE EXTRACT	%	10.0	39.1	1
PROTEIN	%	6.6	25.7	1
CATTLE	DIG PROT % *	5.1	19.7	
GOATS	DIG PROT % *	5.3	20.5	
HORSES	DIG PROT % *	5.0	19.3	
RABBITS	DIG PROT % *	4.8	18.5	
SHEEP	DIG PROT % *	5.4	20.9	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.75	2.92	
SHEEP	ME MCAL/KG *	0.61	2.39	
SHEEP	TDN % *	17.0	66.1	
CALCIUM	%	0.27	1.04	1
PHOSPHORUS	%	0.08	0.32	1

CROTALARIA SPP. AERIAL PART. FRESH. MILK STAGE. (2)

REF NO 2-01-679

DRY MATTER	%	25.8	100.0	2
ORGANIC MATTER	%	24.1	93.4	2
ASH	%	1.7	6.6	2
CRUDE FIBER	%	7.9	30.5	2
ETHER EXTRACT	%	0.5	2.1	2
NITROGEN FREE EXTRACT	%	9.4	36.6	2
PROTEIN	%	6.2	24.3	2
CATTLE	DIG PROT % *	4.8	18.5	
GOATS	DIG PROT % *	4.9	19.2	
HORSES	DIG PROT % *	4.7	18.1	
RABBITS	DIG PROT % *	4.5	17.4	
SHEEP	DIG PROT % *	5.0	19.6	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.73	2.84	
SHEEP	ME MCAL/KG *	0.60	2.33	
SHEEP	TDN % *	16.6	64.5	
CALCIUM	%	0.21	0.83	2
PHOSPHORUS	%	0.08	0.32	2

CROTALARIA SPP. LEAVES. FRESH. (2)

REF NO 2-17-505

DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.6	
ASH	%		6.4	3
CRUDE FIBER	%		34.5	3
ETHER EXTRACT	%		2.2	3
NITROGEN FREE EXTRACT	%		42.4	3
PROTEIN	%		14.4	3
CATTLE	DIG PROT % *		10.2	
GOATS	DIG PROT % *		10.0	
HORSES	DIG PROT % *		9.6	
RABBITS	DIG PROT % *		9.8	
SHEEP	DIG PROT % *		10.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.59	
SHEEP	DE MCAL/KG *		2.67	
CATTLE	ME MCAL/KG *		2.12	
SHEEP	ME MCAL/KG *		2.19	
CATTLE	NE-M MCAL/KG *		1.25	
CATTLE	NE-GAIN MCAL/KG *		0.61	
CATTLE	NE-LACTATION MCAL/KG *		1.30	
CATTLE	TDN % *		58.6	
SHEEP	TDN % *		60.6	
CALCIUM	%		1.65	3
PHOSPHORUS	%		0.27	3

CROTON GROSSEDENTATA

CROTON GROSSEDENTATA GROSSEDENTATA. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-17-447

DRY MATTER	%	48.6	100.0	1
ORGANIC MATTER	%	42.5	87.5	1
ASH	%	6.1	12.5	1
CRUDE FIBER	%	12.2	25.1	1
ETHER EXTRACT	%	2.7	5.5	1
NITROGEN FREE EXTRACT	%	22.8	46.9	1
PROTEIN	%	4.9	10.0	1
CATTLE	DIG PROT % *	3.1	6.4	
GOATS	DIG PROT % *	2.9	5.9	
HORSES	DIG PROT % *	2.9	6.0	
RABBITS	DIG PROT % *	3.1	6.4	
SHEEP	DIG PROT % *	3.1	6.3	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	1.27	2.62	
SHEEP	ME MCAL/KG *	1.04	2.15	
SHEEP	TDN % *	28.9	59.5	
CALCIUM	%	0.61	1.25	1
PHOSPHORUS	%	0.19	0.39	1

CROTON SPP. CROTON

CROTON SPP. AERIAL PART. FRESH. (2)

REF NO 2-01-694

DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	21.7	86.7	1
ASH	%	3.3	13.3	1
CRUDE FIBER	%	7.3	29.1	1
ETHER EXTRACT	%	0.6	2.3	1
NITROGEN FREE EXTRACT	%	11.3	45.1	1
PROTEIN	%	2.6	10.2	1
CATTLE	DIG PROT % *	1.6	6.4	
GOATS	DIG PROT % *	1.5	6.1	
HORSES	DIG PROT % *	1.5	6.2	
RABBITS	DIG PROT % *	1.6	6.5	
SHEEP	DIG PROT % *	1.6	6.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.62	2.46	
SHEEP	DE MCAL/KG *	0.64	2.55	
CATTLE	ME MCAL/KG *	0.51	2.02	
SHEEP	ME MCAL/KG *	0.52	2.09	
CATTLE	NE-M MCAL/KG *	0.30	1.19	
CATTLE	NE-GAIN MCAL/KG *	0.13	0.51	
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.21	
CATTLE	TDN % *	14.0	55.9	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
SHEEP	TDN % *	14.5	57.9	
CALCIUM	%	0.42	1.66	1
PHOSPHORUS	%	0.04	0.15	1

CUCUMIS MELO, MUSKMELON

CUCUMIS MELO, FRUIT, FRESH, (4)

REF NO 4-13-369

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	8.0	100.0	1
ORGANIC MATTER	%	7.5	93.8	
ASH	%	0.5	6.3	1
CRUDE FIBER	%	0.4	5.0	1
ETHER EXTRACT	%	0.2	2.5	1
NITROGEN FREE EXTRACT	%	6.4	80.0	
PROTEIN	%	0.5	6.3	1
CATTLE DIG PROT	% *	0.1	1.8	
GOATS DIG PROT	% *	0.2	3.0	
HORSES DIG PROT	% *	0.2	3.0	
SHEEP DIG PROT	% *	0.2	3.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.23	2.83	
SHEEP DE	MCAL/KG *	0.29	3.60	
SWINE DE	KCAL/KG *	290.	3630.	
CATTLE ME	MCAL/KG *	0.19	2.32	
SHEEP ME	MCAL/KG *	0.24	2.95	
SWINE ME	KCAL/KG *	275.	3439.	
CATTLE NE-M	MCAL/KG *	0.11	1.39	
CATTLE NE-GAIN	MCAL/KG *	0.06	0.80	
CATTLE NE-LACTATION	MCAL/KG *	0.12	1.49	
CATTLE	TDN % *	5.1	64.1	
SHEEP	TDN % *	6.5	81.7	
SWINE	TDN % *	6.6	82.3	
CALCIUM	%	0.02	0.25	1
IRON	%	0.001	0.013	1
PHOSPHORUS	%	0.01	0.13	1
ASCORBIC ACID	MG/KG	740.0	9250.0	1
NIACIN	MG/KG	9.0	112.5	1
RIBOFLAVIN	MG/KG	0.3	3.8	1
THIAMINE	MG/KG	0.3	3.8	1
VITAMIN A EQUIV	IU/G	16.2	202.1	

CUCUMIS SATIVUS, CUCUMBER

CUCUMIS SATIVUS, FRUIT, FRESH, (4)

REF NO 4-01-701

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	4.0	100.0	1
ORGANIC MATTER	%	3.6	90.0	
ASH	%	0.4	10.0	1
CRUDE FIBER	%	0.4	10.0	1
ETHER EXTRACT	%	0.2	5.0	1
NITROGEN FREE EXTRACT	%	2.3	57.5	
PROTEIN	%	0.7	17.5	1
CATTLE DIG PROT	% *	0.5	12.1	
GOATS DIG PROT	% *	0.5	13.3	
HORSES DIG PROT	% *	0.5	13.3	
SHEEP DIG PROT	% *	0.5	13.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.11	2.64	
SHEEP DE	MCAL/KG *	0.13	3.13	
SWINE DE	KCAL/KG *	125.	3119.	
CATTLE ME	MCAL/KG *	0.09	2.17	
SHEEP ME	MCAL/KG *	0.10	2.57	
SWINE ME	KCAL/KG *	115.	2884.	
CATTLE NE-M	MCAL/KG *	0.05	1.28	
CATTLE NE-GAIN	MCAL/KG *	0.03	0.65	
CATTLE NE-LACTATION	MCAL/KG *	0.05	1.35	
CATTLE	TDN % *	2.4	59.9	
SHEEP	TDN % *	2.8	71.0	
SWINE	TDN % *	2.8	70.7	
CALCIUM	%	0.02	0.50	1
IRON	%	0.001	0.025	1
PHOSPHORUS	%	0.02	0.50	1
ASCORBIC ACID	MG/KG	170.0	4250.0	1
NIACIN	MG/KG	3.0	75.0	1
RIBOFLAVIN	MG/KG	0.5	12.5	1
THIAMINE	MG/KG	0.3	7.5	1

CUCURBITA FICIFOLIA, MALABARGOURD

CUCURBITA FICIFOLIA, FRUIT, COOKED, (4)

REF NO 4-13-370

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	7.9	100.0	1
ORGANIC MATTER	%	7.5	94.9	
ASH	%	0.4	5.1	1
CRUDE FIBER	%	0.9	11.4	1
ETHER EXTRACT	%	0.3	3.8	1
NITROGEN FREE EXTRACT	%	5.6	70.9	
PROTEIN	%	0.7	8.9	1
CATTLE DIG PROT	% *	0.3	4.2	
GOATS DIG PROT	% *	0.4	5.4	
HORSES DIG PROT	% *	0.4	5.4	
SHEEP DIG PROT	% *	0.4	5.4	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.23	2.85	
SHEEP DE	MCAL/KG *	0.27	3.40	
SWINE DE	KCAL/KG *	266.	3367.	
CATTLE ME	MCAL/KG *	0.18	2.34	
SHEEP ME	MCAL/KG *	0.22	2.79	
SWINE ME	KCAL/KG *	251.	3172.	
CATTLE NE-M	MCAL/KG *	0.11	1.40	
CATTLE NE-GAIN	MCAL/KG *	0.06	0.81	
CATTLE NE-LACTATION	MCAL/KG *	0.12	1.51	
CATTLE	TDN % *	5.1	64.7	
SHEEP	TDN % *	6.1	77.0	
SWINE	TDN % *	6.0	76.4	
CALCIUM	%	0.03	0.38	1
IRON	%	0.010	0.127	1
PHOSPHORUS	%	0.03	0.38	1
ASCORBIC ACID	MG/KG	67.0	848.1	1
NIACIN	MG/KG	6.2	78.5	1
RIBOFLAVIN	MG/KG	0.6	7.6	1
THIAMINE	MG/KG	0.7	8.9	1
VITAMIN A EQUIV	IU/G	0.5	6.3	

CUCURBITA MAXIMA, SQUASH, WINTER

CUCURBITA MAXIMA WINTER, FRUIT, COOKED, (4)

REF NO 4-13-371

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	9.2	100.0	2
ORGANIC MATTER	%	8.5	92.4	
ASH	%	0.7	7.6	2
CRUDE FIBER	%	1.1	11.9	2
ETHER EXTRACT	%	0.2	1.7	2
NITROGEN FREE EXTRACT	%	5.6	60.7	
PROTEIN	%	1.7	18.2	2
CATTLE DIG PROT	% *	1.2	12.8	
GOATS DIG PROT	% *	1.3	13.9	
HORSES DIG PROT	% *	1.3	13.9	
SHEEP DIG PROT	% *	1.3	13.9	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.22	2.40	
SHEEP DE	MCAL/KG *	0.30	3.29	
SWINE DE	KCAL/KG *	264.	2869.	
CATTLE ME	MCAL/KG *	0.18	1.97	
SHEEP ME	MCAL/KG *	0.25	2.70	
SWINE ME	KCAL/KG *	244.	2648.	
CATTLE NE-M	MCAL/KG *	0.11	1.16	
CATTLE NE-GAIN	MCAL/KG *	0.04	0.45	
CATTLE NE-LACTATION	MCAL/KG *	0.11	1.16	
CATTLE	TDN % *	5.0	54.4	
SHEEP	TDN % *	6.9	74.7	
SWINE	TDN % *	6.0	65.1	
CALCIUM	%	0.03	0.33	2
IRON	%	0.002	0.017	2
PHOSPHORUS	%	0.02	0.27	2
ASCORBIC ACID	MG/KG	182.6	1985.3	2
NIACIN	MG/KG	22.4	243.2	2
RIBOFLAVIN	MG/KG	3.0	32.1	2
THIAMINE	MG/KG	0.9	9.4	2
VITAMIN A EQUIV	IU/G	116.6	1267.2	

CUCURBITA MAXIMA WINTER, FRUIT, FRESH, (4)

REF NO 4-04-669

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	7.9	100.0	1
ORGANIC MATTER	%	6.7	84.8	1
ASH	%	1.2	15.2	1
CRUDE FIBER	%	1.6	20.6	1
ETHER EXTRACT	%	0.4	4.6	1
NITROGEN FREE EXTRACT	%	3.4	43.2	1
PROTEIN	%	1.3	16.4	1
CATTLE DIG PROT	% *	0.9	11.1	
GOATS DIG PROT	% *	1.0	12.3	
HORSES DIG PROT	% *	1.0	12.3	
SHEEP DIG PROT	% *	1.0	12.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.10	1.28	
SHEEP DE	MCAL/KG *	0.19	2.39	
SWINE DE	KCAL/KG *	118.	1493.	
CATTLE ME	MCAL/KG *	0.08	1.05	
SHEEP ME	MCAL/KG *	0.15	1.96	
SWINE ME	KCAL/KG *	109.	1383.	
CATTLE NE-M	MCAL/KG *	0.06	0.73	
CATTLE NE-GAIN	MCAL/KG *	-0.06	-0.79	
CATTLE NE-LACTATION	MCAL/KG *	0.02	0.28	
CATTLE	TDN % *	2.3	29.0	
SHEEP	TDN % *	4.3	54.2	
SWINE	TDN % *	2.7	33.9	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CUCURBITA MAXIMA WINTER, SEEDS, COOKED, (5)				
REF NO 5-13-372				
DRY MATTER	%	91.3	100.0	1
ORGANIC MATTER	%	87.1	95.4	
ASH	%	4.2	4.6	1
CRUDE FIBER	%	2.0	2.2	1
ETHER EXTRACT	%	45.4	49.7	1
NITROGEN FREE EXTRACT	%	8.3	9.1	
PROTEIN	%	31.4	34.4	1
CALCIUM	%	0.04	0.04	1
IRON	%	0.012	0.013	1
PHOSPHORUS	%	1.16	1.27	1
ASCORBIC ACID	MG/KG	70.0	76.7	1
NIACIN	MG/KG	20.3	22.2	1
RIBOFLAVIN	MG/KG	1.5	1.6	1
THIAMINE	MG/KG	1.6	1.8	1
VITAMIN A EQUIV	IU/G	1.2	1.3	
CUCURBITA PEPO, PUMPKINS				
CUCURBITA PEPO, SEEDS, FRESH, (5)				
REF NO 5-08-492				
DRY MATTER	%	93.5	100.0	1
ORGANIC MATTER	%	88.0	94.1	
ASH	%	5.5	5.9	1
CRUDE FIBER	%	24.1	25.8	1
ETHER EXTRACT	%	29.9	32.0	1
NITROGEN FREE EXTRACT	%	3.3	3.5	1
PROTEIN	%	30.7	32.8	1
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	3.62	3.87	
SHEEP	ME MCAL/KG *	2.97	3.18	
SHEEP	TDN % *	82.2	87.9	
CUCURBITA PEPO, SEEDS, GRND, (5)				
REF NO 5-03-817				
DRY MATTER	%	93.7	100.0	1
ORGANIC MATTER	%	87.5	93.4	
ASH	%	6.2	6.6	1
CRUDE FIBER	%	21.3	22.7	1
ETHER EXTRACT	%	7.0	7.5	1
NITROGEN FREE EXTRACT	%	23.9	25.5	1
PROTEIN	%	35.3	37.7	1
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.87	3.06	
SHEEP	DE MCAL/KG *	2.97	3.17	
CATTLE	ME MCAL/KG *	2.35	2.51	
SHEEP	ME MCAL/KG *	2.43	2.60	
CATTLE	NE-M MCAL/KG *	1.43	1.53	
CATTLE	NE-GAIN MCAL/KG *	0.90	0.96	
CATTLE	NE-LACTATION MCAL/KG *	1.57	1.67	
CATTLE	TDN % *	65.0	69.4	
SHEEP	TDN % *	67.3	71.8	
CUCURBITA SPP, MELONS, PIE				
CUCURBITA SPP PIE, FRUIT W SEEDS, FRESH, (4) STOCK MELONS				
REF NO 4-08-459				
DRY MATTER	%	15.5	100.0	1
ORGANIC MATTER	%	13.9	89.7	
ASH	%	1.6	10.3	1
CRUDE FIBER	%	2.2	14.3	1
ETHER EXTRACT	%	0.4	2.6	1
NITROGEN FREE EXTRACT	%	8.4	54.0	
PROTEIN	%	2.9	18.8	1
CATTLE	DIG PROT % *	2.1	13.3	
GOATS	DIG PROT % *	2.2	14.5	
HORSES	DIG PROT % *	2.2	14.5	
SHEEP	DIG PROT % *	2.2	14.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.32	2.04	
SHEEP	DE MCAL/KG *	0.47	3.01	
SWINE	DE KCAL/KG *	384.	2475.	
CATTLE	ME MCAL/KG *	0.26	1.67	
SHEEP	ME MCAL/KG *	0.38	2.47	
SWINE	ME KCAL/KG *	354.	2282.	
CATTLE	NE-M MCAL/KG *	0.15	1.00	
CATTLE	NE-GAIN MCAL/KG *	0.02	0.11	
CATTLE	NE-LACTATION MCAL/KG *	0.14	0.87	
CATTLE	TDN % *	7.2	46.2	
SHEEP	TDN % *	10.6	68.2	
SWINE	TDN % *	8.7	56.1	
CYDONIA OBLONGA, QUINCE, COMMON				
CYDONIA OBLONGA COMMON, FRUIT, FRESH, (4)				
REF NO 4-13-375				
DRY MATTER	%	19.5	100.0	1
ORGANIC MATTER	%	19.0	97.4	
ASH	%	0.5	2.6	1
CRUDE FIBER	%	1.5	7.7	1
ETHER EXTRACT	%	0.2	1.0	1
NITROGEN FREE EXTRACT	%	16.9	86.7	
PROTEIN	%	0.4	2.1	1
CATTLE	DIG PROT % *	-0.4	-2.1	
GOATS	DIG PROT % *	-0.2	-0.9	
HORSES	DIG PROT % *	-0.2	-0.9	
SHEEP	DIG PROT % *	-0.2	-0.9	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.72	3.71	
SWINE	DE KCAL/KG *	780.	4001.	
SHEEP	ME MCAL/KG *	0.59	3.04	
SWINE	ME KCAL/KG *	746.	3824.	
SHEEP	TDN % *	16.4	84.1	
SWINE	TDN % *	17.7	90.7	
CALCIUM	%	0.01	0.05	1
IRON	%	0.001	0.005	1
PHOSPHORUS	%	0.03	0.15	1
ASCORBIC ACID	MG/KG	115.0	589.7	1
NIACIN	MG/KG	3.8	19.5	1
RIBOFLAVIN	MG/KG	0.4	2.1	1
THIAMINE	MG/KG	0.4	2.1	1
VITAMIN A EQUIV	IU/G	1.5	7.7	
CYDONIA SPP, QUINCE				
CYDONIA SPP, FRUIT, FRESH, (4)				
REF NO 4-13-376				
DRY MATTER	%	22.8	100.0	1
ORGANIC MATTER	%	22.1	96.9	
ASH	%	0.7	3.1	1
CRUDE FIBER	%	2.3	10.1	1
ETHER EXTRACT	%	0.2	0.9	1
NITROGEN FREE EXTRACT	%	19.1	83.8	
PROTEIN	%	0.5	2.2	1
CATTLE	DIG PROT % *	-0.4	-2.0	
GOATS	DIG PROT % *	-0.2	-0.8	
HORSES	DIG PROT % *	-0.2	-0.8	
SHEEP	DIG PROT % *	-0.2	-0.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.78	3.41	
SHEEP	DE MCAL/KG *	0.83	3.65	
SWINE	DE KCAL/KG *	898.	3938.	
CATTLE	ME MCAL/KG *	0.64	2.80	
SHEEP	ME MCAL/KG *	0.68	2.99	
SWINE	ME KCAL/KG *	858.	3763.	
CATTLE	NE-M MCAL/KG *	0.40	1.77	
CATTLE	NE-GAIN MCAL/KG *	0.27	1.17	
CATTLE	NE-LACTATION MCAL/KG *	0.44	1.95	
CATTLE	TDN % *	17.6	77.3	
SHEEP	TDN % *	18.9	82.7	
SWINE	TDN % *	20.4	89.3	
CALCIUM	%	0.01	0.04	1
IRON	%	0.001	0.004	1
PHOSPHORUS	%	0.03	0.13	1
ASCORBIC ACID	MG/KG	122.0	535.1	1
NIACIN	MG/KG	4.0	17.5	1
RIBOFLAVIN	MG/KG	0.3	1.3	1
THIAMINE	MG/KG	0.4	1.8	1
VITAMIN A EQUIV	IU/G	2.5	11.0	
CYMBOPOGON NARDUS, CITRONELLAGRASS				
CYMBOPOGON NARDUS, AERIAL PART, MECH EXTD DEHY GRND, (1)				
REF NO 1-11-448				
DRY MATTER	%	87.1	100.0	2 5
ORGANIC MATTER	%	78.6	90.2	21 4
ASH	%	8.5	9.8	21 4
CRUDE FIBER	%	25.2	28.9	17 5
ETHER EXTRACT	%	5.6	6.4	55 5
NITROGEN FREE EXTRACT	%	36.2	41.5	13 4
PROTEIN	%	11.7	13.4	33 5
CATTLE	DIG PROT % *	7.4	8.5	
GOATS	DIG PROT % *	7.9	9.1	
HORSES	DIG PROT % *	7.8	8.9	
RABBITS	DIG PROT % *	7.9	9.0	
SHEEP	DIG PROT % *	7.5	8.6	
ENERGY	GE KCAL/KG			
HORSES	DE MCAL/KG *	1.26	1.44	
SHEEP	DE MCAL/KG *	2.09	2.40	
HORSES	ME MCAL/KG *	1.03	1.18	
SHEEP	ME MCAL/KG *	1.71	1.97	
HORSES	TDN % *	30.4	34.8	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	TDN % *	47.4	54.4		
CALCIUM	%	0.02	0.03		2
IRON	%	0.097	0.111		2
PHOSPHORUS	%	0.10	0.11		2
VITAMIN A EQUIV	IU/G	1.9	2.2		

CYNODON DACTYLON, BERMUDAGRASS

CYNODON DACTYLON, AERIAL PART, DEHY, (1)

REF NO 1-10-608

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.8	100.0	2	5
ORGANIC MATTER	%	83.9	90.0	13	2
ASH	%	8.9	9.5	13	5
CRUDE FIBER	%	29.2	31.4	13	5
ETHER EXTRACT	%	2.3	2.4	73	5
NITROGEN FREE EXTRACT	%	42.0	45.0	3	5
PROTEIN	%	10.9	11.7	15	5
CATTLE DIG PROT	% *	6.6	7.0		
GOATS DIG PROT	% *	6.9	7.4		
HORSES DIG PROT	% *	6.9	7.4		
RABBITS DIG PROT	% *	7.1	7.7		
SHEEP DIG PROT	% *	6.6	7.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.25	2.42		
HORSES DE	MCAL/KG *	1.79	1.92		
SHEEP DE	MCAL/KG *	2.21	2.37		
CATTLE ME	MCAL/KG *	1.85	1.98		
HORSES ME	MCAL/KG *	1.47	1.57		
SHEEP ME	MCAL/KG *	1.01	1.94		
CATTLE NE-M	MCAL/KG *	1.09	1.17		
CATTLE NE-GAIN	MCAL/KG *	0.44	0.47		
CATTLE NE-LACTATION	MCAL/KG *	1.09	1.17		
CATTLE TDN	% *	51.1	54.8		
HORSES TDN	% *	44.7	47.9		
SHEEP TDN	% *	50.1	53.7		
VITAMIN A EQUIV	IU/G	11.4	12.2		

CYNODON DACTYLON, AERIAL PART, DEHY GRND, (1)

REF NO 1-10-607

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.4	100.0		2
ORGANIC MATTER	%	78.5	89.8		2
ASH	%	9.0	10.2		2
CRUDE FIBER	%	28.0	32.0		2
ETHER EXTRACT	%	4.6	5.3		2
NITROGEN FREE EXTRACT	%	34.3	39.2		2
PROTEIN	%	11.5	13.2		2
CATTLE DIG PROT	% *	7.3	8.4		
GOATS DIG PROT	% *	7.8	8.9		
HORSES DIG PROT	% *	7.6	8.7		
RABBITS DIG PROT	% *	7.8	8.9		
SHEEP DIG PROT	% *	7.4	8.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.90	2.18		
HORSES DE	MCAL/KG *	1.48	1.67		
SHEEP DE	MCAL/KG *	2.00	2.29		
CATTLE ME	MCAL/KG *	1.56	1.79		
HORSES ME	MCAL/KG *	1.19	1.37		
SHEEP ME	MCAL/KG *	1.64	1.88		
CATTLE NE-M	MCAL/KG *	0.92	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.22	0.25		
CATTLE NE-LACTATION	MCAL/KG *	0.86	0.99		
CATTLE TDN	% *	43.2	49.4		
HORSES TDN	% *	35.8	48.9		
SHEEP TDN	% *	45.4	51.9		
CALCIUM	%	0.65	0.75		2
PHOSPHORUS	%	0.20	0.23		2
VITAMIN A EQUIV	IU/G	142.4	162.9		

CYNODON DACTYLON, HAY, S-C, (1)

REF NO 1-00-703

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.9		
ASH	%		6.1		1
CRUDE FIBER	%		36.9		1
ETHER EXTRACT	%		4.5		1
NITROGEN FREE EXTRACT	%		40.9		1
PROTEIN	%		5.7		1
CATTLE DIG PROT	% *		1.9		
GOATS DIG PROT	% *		1.9		
HORSES DIG PROT	% *		2.4		
RABBITS DIG PROT	% *		3.1		
SHEEP DIG PROT	% *		1.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.56		
HORSES DE	MCAL/KG *		2.25		
SHEEP DE	MCAL/KG *		2.36		
CATTLE ME	MCAL/KG *		2.10		
HORSES ME	MCAL/KG *		1.84		
SHEEP ME	MCAL/KG *		1.93		
CATTLE NE-M	MCAL/KG *		1.24		
CATTLE NE-GAIN	MCAL/KG *		0.59		
CATTLE NE-LACTATION	MCAL/KG *		1.28		
CATTLE TDN	% *		58.0		
HORSES TDN	% *		56.9		
SHEEP TDN	% *		53.4		

CYNODON DACTYLON, LEAVES, DEHY, (1)

REF NO 1-15-460

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.8	100.0	1	6
ORGANIC MATTER	%	83.3	87.9		
ASH	%	11.4	12.1	15	6
CRUDE FIBER	%	27.4	28.9	19	6
ETHER EXTRACT	%	2.0	2.1	21	6
NITROGEN FREE EXTRACT	%	43.5	45.9	4	6
PROTEIN	%	10.4	11.0	39	6
CATTLE DIG PROT	% *	6.1	6.4		
GOATS DIG PROT	% *	6.4	6.8		
HORSES DIG PROT	% *	6.5	6.8		
RABBITS DIG PROT	% *	6.8	7.1		
SHEEP DIG PROT	% *	6.1	6.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.24	2.37		
HORSES DE	MCAL/KG *	1.81	1.91		
SHEEP DE	MCAL/KG *	2.20	2.32		
CATTLE ME	MCAL/KG *	1.84	1.94		
HORSES ME	MCAL/KG *	1.48	1.56		
SHEEP ME	MCAL/KG *	1.81	1.91		
CATTLE NE-M	MCAL/KG *	1.08	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.40	0.42		
CATTLE NE-LACTATION	MCAL/KG *	1.07	1.13		
CATTLE TDN	% *	50.8	53.7		
HORSES TDN	% *	45.1	47.6		
SHEEP TDN	% *	49.9	52.7		

CYNODON DACTYLON, STEMS, DEHY, (1)

REF NO 1-15-461

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	96.0	100.0	1	6
ORGANIC MATTER	%	88.3	92.0		
ASH	%	7.6	8.0	15	6
CRUDE FIBER	%	36.8	38.4	5	6
ETHER EXTRACT	%	1.1	1.1	29	6
NITROGEN FREE EXTRACT	%	44.9	46.8	43	6
PROTEIN	%	5.5	5.8	27	6
CATTLE DIG PROT	% *	1.9	1.9		
GOATS DIG PROT	% *	1.9	1.9		
HORSES DIG PROT	% *	2.3	2.4		
RABBITS DIG PROT	% *	3.0	3.1		
SHEEP DIG PROT	% *	1.7	1.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.10	2.19		
HORSES DE	MCAL/KG *	1.38	1.44		
SHEEP DE	MCAL/KG *	2.11	2.20		
CATTLE ME	MCAL/KG *	1.73	1.80		
HORSES ME	MCAL/KG *	1.13	1.18		
SHEEP ME	MCAL/KG *	1.73	1.80		
CATTLE NE-M	MCAL/KG *	1.02	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.26	0.27		
CATTLE NE-LACTATION	MCAL/KG *	0.96	1.00		
CATTLE TDN	% *	47.7	49.7		
HORSES TDN	% *	33.4	34.8		
SHEEP TDN	% *	47.8	49.9		

CYNODON DACTYLON, AERIAL PART, FRESH, (2)

REF NO 2-00-712

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.2	100.0	52	8
ORGANIC MATTER	%	30.4	91.6	15	4
ASH	%	3.0	8.9	15	14
CRUDE FIBER	%	10.5	31.8	8	14
ETHER EXTRACT	%	0.8	2.3	42	14
NITROGEN FREE EXTRACT	%	16.1	48.4	6	13
PROTEIN	%	2.8	8.6	18	14
CATTLE DIG PROT	% *	1.7	5.2		
GOATS DIG PROT	% *	1.5	4.5		
HORSES DIG PROT	% *	1.6	4.8		
RABBITS DIG PROT	% *	1.7	5.1		
SHEEP DIG PROT	% *	1.6	5.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.82	2.47		
SHEEP DE	MCAL/KG *	0.88	2.65		
CATTLE ME	MCAL/KG *	0.67	2.02		
SHEEP ME	MCAL/KG *	0.72	2.17		
CATTLE NE-M	MCAL/KG *	0.40	1.19		
CATTLE NE-GAIN	MCAL/KG *	0.17	0.51		
CATTLE NE-LACTATION	MCAL/KG *	0.40	1.21		
CATTLE TDN	% *	18.6	56.0		
SHEEP TDN	% *	19.9	60.0		
CALCIUM	%	0.01	0.04	70	6
IRON	%	(0.003)	(0.008)	24	5
MAGNESIUM	%	0.08	0.24		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%	(0.03)	(0.09)	77	6
POTASSIUM	%	0.73	2.20		1
VITAMIN A EQUIV	IU/G	7.8	23.5		
DM INTAKE, SHEEP	G/W 0.75	18.976	57.200		1

CYNODON DACTYLON, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-09-530

DRY MATTER	%	30.2	100.0	53	17
ORGANIC MATTER	%	27.0	89.6	18	12
ASH	%	3.0	10.0	18	14
CRUDE FIBER	%	8.6	28.4	18	17
ETHER EXTRACT	%	1.0	3.3	24	17
NITROGEN FREE EXTRACT	%	13.1	43.5	9	13
PROTEIN	%	4.5	14.9	60	17
CATTLE DIG PROT % *		3.2	10.5		
GOATS DIG PROT % *		3.1	10.4		
HORSES DIG PROT % *		3.1	10.1		
RABBITS DIG PROT % *		3.1	10.1		
SHEEP DIG PROT % *		3.3	10.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.83	2.75		
SHEEP DE MCAL/KG *		0.83	2.74		
CATTLE ME MCAL/KG *		0.68	2.25		
SHEEP ME MCAL/KG *		0.68	2.25		
CATTLE NE-M MCAL/KG *		0.40	1.34		
CATTLE NE-GAIN MCAL/KG *		0.22	0.74		
CATTLE NE-LACTATION MCAL/KG *		0.43	1.43		
CATTLE TDN % *		18.8	62.3		
SHEEP TDN % *		18.8	62.1		

CYNODON DACTYLON, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-09-542

DRY MATTER	%	29.4	100.0	21	12
ORGANIC MATTER	%	26.4	89.9	12	7
ASH	%	3.1	10.5	12	8
CRUDE FIBER	%	8.7	29.6	5	11
ETHER EXTRACT	%	0.9	2.9	18	11
NITROGEN FREE EXTRACT	%	13.4	45.7	4	7
PROTEIN	%	3.3	11.3	15	11
CATTLE DIG PROT % *		2.2	7.5		
GOATS DIG PROT % *		2.1	7.1		
HORSES DIG PROT % *		2.1	7.1		
RABBITS DIG PROT % *		2.2	7.4		
SHEEP DIG PROT % *		2.2	7.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.76	2.61		
SHEEP DE MCAL/KG *		0.78	2.64		
CATTLE ME MCAL/KG *		0.63	2.14		
SHEEP ME MCAL/KG *		0.64	2.17		
CATTLE NE-M MCAL/KG *		0.37	1.26		
CATTLE NE-GAIN MCAL/KG *		0.18	0.63		
CATTLE NE-LACTATION MCAL/KG *		0.39	1.32		
CATTLE TDN % *		17.3	59.1		
SHEEP TDN % *		17.6	60.0		

CYNODON DACTYLON, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-09-549

DRY MATTER	%	30.6	100.0	20	9
ORGANIC MATTER	%	27.5	90.0	14	7
ASH	%	2.9	9.6	14	8
CRUDE FIBER	%	9.0	29.5	7	10
ETHER EXTRACT	%	0.8	2.7	17	10
NITROGEN FREE EXTRACT	%	14.6	47.9	8	8
PROTEIN	%	3.2	10.3	11	10
CATTLE DIG PROT % *		2.0	6.7		
GOATS DIG PROT % *		1.9	6.2		
HORSES DIG PROT % *		1.9	6.3		
RABBITS DIG PROT % *		2.0	6.6		
SHEEP DIG PROT % *		2.0	6.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.80	2.63		
SHEEP DE MCAL/KG *		0.81	2.65		
CATTLE ME MCAL/KG *		0.66	2.15		
SHEEP ME MCAL/KG *		0.66	2.17		
CATTLE NE-M MCAL/KG *		0.39	1.28		
CATTLE NE-GAIN MCAL/KG *		0.20	0.64		
CATTLE NE-LACTATION MCAL/KG *		0.41	1.34		
CATTLE TDN % *		18.2	59.6		
SHEEP TDN % *		18.4	60.1		

CYNODON DACTYLON, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-958

DRY MATTER	%	34.5	100.0	22	7
ORGANIC MATTER	%	30.1	87.3		
ASH	%	4.4	12.7	28	7
CRUDE FIBER	%	8.5	24.8	29	7
PROTEIN	%	2.0	5.9	24	7
CATTLE DIG PROT % *		1.0	2.9		
GOATS DIG PROT % *		0.7	2.1		
HORSES DIG PROT % *		0.9	2.5		
RABBITS DIG PROT % *		1.1	3.2		
SHEEP DIG PROT % *		0.9	2.5		

CYNODON DACTYLON, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-637

DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.4	
ASH	%		6.6	1
CRUDE FIBER	%		25.0	1
ETHER EXTRACT	%		2.0	1
NITROGEN FREE EXTRACT	%		57.3	1
PROTEIN	%		9.1	1
CATTLE DIG PROT % *			5.6	
GOATS DIG PROT % *			5.1	
HORSES DIG PROT % *			5.3	
RABBITS DIG PROT % *			5.7	
SHEEP DIG PROT % *			5.5	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *			2.96	
SHEEP DE MCAL/KG *			2.85	
CATTLE ME MCAL/KG *			2.43	
SHEEP ME MCAL/KG *			2.34	
CATTLE NE-M MCAL/KG *			1.47	
CATTLE NE-GAIN MCAL/KG *			0.89	
CATTLE NE-LACTATION MCAL/KG *			1.60	
CATTLE TDN % *			67.2	
SHEEP TDN % *			64.7	

CYNODON DACTYLON, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)

REF NO 2-09-556

DRY MATTER	%	37.0	100.0	1
ORGANIC MATTER	%	33.5	90.5	1
ASH	%	3.5	9.5	1
CRUDE FIBER	%	11.3	30.4	1
ETHER EXTRACT	%	1.1	2.8	1
NITROGEN FREE EXTRACT	%	18.8	50.7	1
PROTEIN	%	2.4	6.5	1
CATTLE DIG PROT % *		1.3	3.4	
GOATS DIG PROT % *		1.0	2.6	
HORSES DIG PROT % *		1.1	3.1	
RABBITS DIG PROT % *		1.4	3.7	
SHEEP DIG PROT % *		1.1	3.1	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		0.94	2.55	
SHEEP DE MCAL/KG *		0.96	2.58	
CATTLE ME MCAL/KG *		0.77	2.09	
SHEEP ME MCAL/KG *		0.78	2.12	
CATTLE NE-M MCAL/KG *		0.46	1.24	
CATTLE NE-GAIN MCAL/KG *		0.22	0.58	
CATTLE NE-LACTATION MCAL/KG *		0.47	1.28	
CATTLE TDN % *		21.4	57.9	
SHEEP TDN % *		21.7	58.6	

CYNODON DACTYLON, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)

REF NO 2-13-638

DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.8	
ASH	%		6.0	1
CRUDE FIBER	%		25.9	1
ETHER EXTRACT	%		1.1	1
NITROGEN FREE EXTRACT	%		58.1	1
PROTEIN	%		8.1	1
CATTLE DIG PROT % *			4.8	
GOATS DIG PROT % *			4.1	
HORSES DIG PROT % *			4.4	
RABBITS DIG PROT % *			4.9	
SHEEP DIG PROT % *			4.5	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *			2.78	
SHEEP DE MCAL/KG *			2.79	
CATTLE ME MCAL/KG *			2.26	
SHEEP ME MCAL/KG *			2.29	
CATTLE NE-M MCAL/KG *			1.35	
CATTLE NE-GAIN MCAL/KG *			0.74	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *		1.44		
CATTLE		TDN % *		62.6		
SHEEP		TDN % *		63.3		

CYNODON DACTYLON, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-00-706

DRY MATTER		%	31.8	100.0	3
ORGANIC MATTER		%	28.2	88.7	
ASH		%	3.6	11.3	3
CRUDE FIBER		%	9.7	30.4	3
ETHER EXTRACT		%	0.7	2.1	3
NITROGEN FREE EXTRACT		%	14.8	46.6	3
PROTEIN		%	3.1	9.6	3
CATTLE	DIG PROT	% *	1.9	6.1	
GOATS	DIG PROT	% *	1.8	5.5	
HORSES	DIG PROT	% *	1.8	5.7	
RABBITS	DIG PROT	% *	1.9	6.1	
SHEEP	DIG PROT	% *	1.9	6.0	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.79	2.48	
SHEEP	DE	MCAL/KG *	0.82	2.56	
CATTLE	ME	MCAL/KG *	0.65	2.04	
SHEEP	ME	MCAL/KG *	0.67	2.10	
CATTLE	NE-M	MCAL/KG *	0.38	1.20	
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.53	
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.22	
CATTLE		TDN % *	17.9	56.3	
SHEEP		TDN % *	18.5	58.2	

CYNODON DACTYLON, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-131

DRY MATTER		%	30.8	100.0	2
ORGANIC MATTER		%	27.9	90.7	1
ASH		%	3.2	10.3	2
CRUDE FIBER		%	8.4	27.5	2
ETHER EXTRACT		%	0.7	2.2	2
NITROGEN FREE EXTRACT		%	14.6	47.4	2
PROTEIN		%	3.9	12.6	2
CATTLE	DIG PROT	% *	2.6	8.6	
GOATS	DIG PROT	% *	2.5	8.2	
HORSES	DIG PROT	% *	2.5	8.2	
RABBITS	DIG PROT	% *	2.6	8.4	
SHEEP	DIG PROT	% *	2.7	8.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.83	2.70	
SHEEP	DE	MCAL/KG *	0.83	2.70	
CATTLE	ME	MCAL/KG *	0.68	2.22	
SHEEP	ME	MCAL/KG *	0.68	2.21	
CATTLE	NE-M	MCAL/KG *	0.40	1.32	
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.70	
CATTLE	NE-LACTATION	MCAL/KG *	0.43	1.40	
CATTLE		TDN % *	18.9	61.3	
SHEEP		TDN % *	18.8	61.2	
ALUMINUM		MG/KG	288.64	938.67	3
BORON		MG/KG	2.973	9.667	3
CALCIUM		%	0.21	0.67	31 5
COPPER		MG/KG	20.1	65.3	3
IRON		%	0.075	0.244	2
MAGNESIUM		%	0.07	0.24	3
MANGANESE		MG/KG	11.9	38.7	3
MOLYBDENUM		MG/KG	1.23	4.01	3
PHOSPHORUS		%	0.11	0.35	23 5
POTASSIUM		%	0.54	1.76	3
SILICON		%	0.18	0.60	2
SODIUM		%	0.03	0.08	3
ZINC		MG/KG	29.9	97.3	3

CYNODON DACTYLON, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-00-707

DRY MATTER		%	30.8	100.0	2
ORGANIC MATTER		%	27.0	87.7	
ASH		%	3.8	12.3	2
CRUDE FIBER		%	8.4	27.3	2
ETHER EXTRACT		%	0.6	1.9	2
NITROGEN FREE EXTRACT		%	12.6	41.0	2
PROTEIN		%	5.4	17.5	2
CATTLE	DIG PROT	% *	3.9	12.8	
GOATS	DIG PROT	% *	4.0	12.9	
HORSES	DIG PROT	% *	3.8	12.4	
RABBITS	DIG PROT	% *	3.7	12.2	
SHEEP	DIG PROT	% *	4.1	13.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.82	2.66	
SHEEP	DE	MCAL/KG *	0.82	2.66	
CATTLE	ME	MCAL/KG *	0.67	2.18	
SHEEP	ME	MCAL/KG *	0.67	2.18	
CATTLE	NE-M	MCAL/KG *	0.40	1.29	
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.67	
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.36	
CATTLE		TDN % *	18.6	60.4	
SHEEP		TDN % *	18.6	60.4	

CYNODON DACTYLON, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-08-354

DRY MATTER		%	36.4	100.0	24 6
ORGANIC MATTER		%	32.4	89.2	16 6
ASH		%	3.8	10.6	16 6
CRUDE FIBER		%	10.5	28.9	7 6
ETHER EXTRACT		%	0.6	1.5	31 6
NITROGEN FREE EXTRACT		%	17.9	49.3	6 6
PROTEIN		%	3.5	9.7	35 6
CATTLE	DIG PROT	% *	2.2	6.2	
GOATS	DIG PROT	% *	2.0	5.6	
HORSES	DIG PROT	% *	2.1	5.8	
RABBITS	DIG PROT	% *	2.2	6.2	
SHEEP	DIG PROT	% *	2.2	6.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.94	2.59	
SHEEP	DE	MCAL/KG *	0.95	2.60	
CATTLE	ME	MCAL/KG *	0.77	2.12	
SHEEP	ME	MCAL/KG *	0.78	2.13	
CATTLE	NE-M	MCAL/KG *	0.46	1.26	
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.61	
CATTLE	NE-LACTATION	MCAL/KG *	0.48	1.31	
CATTLE		TDN % *	21.3	58.7	
SHEEP		TDN % *	21.4	59.0	
CALCIUM		%	0.42	1.15	98 4
PHOSPHORUS		%	0.10	0.26	22 4

CYNODON DACTYLON, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-00-708

DRY MATTER		%	46.9	100.0	1
ORGANIC MATTER		%	40.8	87.1	
ASH		%	6.1	12.9	1
CRUDE FIBER		%	12.9	27.6	1
ETHER EXTRACT		%	0.2	0.5	1
NITROGEN FREE EXTRACT		%	24.2	51.7	1
PROTEIN		%	3.4	7.3	1
CATTLE	DIG PROT	% *	1.9	4.1	
GOATS	DIG PROT	% *	1.6	3.4	
HORSES	DIG PROT	% *	1.7	3.7	
RABBITS	DIG PROT	% *	2.0	4.3	
SHEEP	DIG PROT	% *	1.8	3.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.28	2.73	
SHEEP	DE	MCAL/KG *	1.17	2.49	
CATTLE	ME	MCAL/KG *	1.05	2.24	
SHEEP	ME	MCAL/KG *	0.96	2.05	
CATTLE	NE-M	MCAL/KG *	0.62	1.33	
CATTLE	NE-GAIN	MCAL/KG *	0.34	0.72	
CATTLE	NE-LACTATION	MCAL/KG *	0.66	1.41	
CATTLE		TDN % *	29.0	61.9	
SHEEP		TDN % *	26.5	56.6	

CYNODON DACTYLON, AERIAL PART, FRESH, LATE BLOOM, CUT 1, (2)

REF NO 2-10-409

DRY MATTER		%	27.9	100.0	1
ORGANIC MATTER		%	24.2	86.6	1
ASH		%	3.7	13.4	1
CRUDE FIBER		%	8.9	32.0	1
ETHER EXTRACT		%	0.5	1.7	1
NITROGEN FREE EXTRACT		%	13.0	46.7	1
PROTEIN		%	1.7	6.2	1
CATTLE	DIG PROT	% *	0.9	3.2	
GOATS	DIG PROT	% *	0.7	2.3	
HORSES	DIG PROT	% *	0.8	2.8	
RABBITS	DIG PROT	% *	1.0	3.5	
SHEEP	DIG PROT	% *	0.8	2.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.65	2.34	
SHEEP	DE	MCAL/KG *	0.68	2.42	
CATTLE	ME	MCAL/KG *	0.54	1.92	
SHEEP	ME	MCAL/KG *	0.55	1.99	
CATTLE	NE-M	MCAL/KG *	0.32	1.13	
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.41	
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.11	
CATTLE		TDN % *	14.8	53.2	
SHEEP		TDN % *	15.3	54.9	
CALCIUM		%	0.09	0.33	1
PHOSPHORUS		%	0.05	0.17	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CYNODON DACTYLON, AERIAL PART, FRESH, DOUGH STAGE, (2)						
REF NO 2-00-710						
DRY MATTER		%	25.7	100.0		3
ORGANIC MATTER		%	22.9	89.1		
ASH		%	2.8	10.9		3
CRUDE FIBER		%	8.9	34.8		3
ETHER EXTRACT		%	0.4	1.5		3
NITROGEN FREE EXTRACT		%	9.7	37.6		3
PROTEIN		%	3.9	15.2		3
CATTLE	DIG PROT	% *	2.8	10.8		
GOATS	DIG PROT	% *	2.8	10.7		
HORSES	DIG PROT	% *	2.7	10.4		
RABBITS	DIG PROT	% *	2.7	10.4		
SHEEP	DIG PROT	% *	2.9	11.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.69	2.70		
SHEEP	DE	MCAL/KG *	0.65	2.54		
CATTLE	ME	MCAL/KG *	0.57	2.21		
SHEEP	ME	MCAL/KG *	0.53	2.08		
CATTLE	NE-M	MCAL/KG *	0.34	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.70		
CATTLE	NE-LACTATION	MCAL/KG *	0.36	1.39		
CATTLE	TDN	% *	15.7	61.1		
SHEEP	TDN	% *	14.8	57.6		
CALCIUM		%	0.09	0.36		3
PHOSPHORUS		%	0.08	0.33		3
ALANINE		%	0.34	1.31		1
ARGININE		%	0.27	1.06		1
ASPARTIC ACID		%	0.42	1.64		1
CYSTINE		%	0.02	0.07		1
GLUTAMIC ACID		%	0.44	1.70		1
GLYCINE		%	0.23	0.89		1
HISTIDINE		%	0.07	0.28		1
ISOLEUCINE		%	0.17	0.66		1
LEUCINE		%	0.26	1.01		1
LYSINE		%	0.20	0.76		1
METHIONINE		%	0.07	0.28		1
PHENYLALANINE		%	0.20	0.76		1
SERINE		%	0.18	0.72		1
THREONINE		%	0.18	0.70		1
TRYPTOPHAN		%	0.06	0.22		1
TYROSINE		%	0.13	0.52		1
VALINE		%	0.25	0.97		1
CYNODON DACTYLON, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-00-711						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.7		
ASH		%		13.3	8	4
CRUDE FIBER		%		34.0	21	4
ETHER EXTRACT		%		4.3	34	4
NITROGEN FREE EXTRACT		%		31.3		3
PROTEIN		%		17.0		3
CATTLE	DIG PROT	% *		12.3		
GOATS	DIG PROT	% *		12.4		
HORSES	DIG PROT	% *		12.0		
RABBITS	DIG PROT	% *		11.8		
SHEEP	DIG PROT	% *		12.8		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.73		
SHEEP	ME	MCAL/KG *		2.24		
SHEEP	TDN	% *		62.0		
CALCIUM		%		0.84	8	4
COBALT		MG/KG		0.208	70	4
COPPER		MG/KG		9.1	39	4
MANGANESE		MG/KG		49.9	70	4
MOLYBDENUM		MG/KG		0.37		3
PHOSPHORUS		%		0.94	13	4
CYNODON DACTYLON, AERIAL PART, FRESH, POST RIPE, (2)						
REF NO 2-17-444						
DRY MATTER		%	34.3	100.0		1
ORGANIC MATTER		%	30.3	88.4		
ASH		%	4.0	11.6		1
CRUDE FIBER		%	9.7	28.3		1
ETHER EXTRACT		%	0.7	2.1		1
NITROGEN FREE EXTRACT		%	16.1	46.9		1
PROTEIN		%	3.8	11.1		1
CATTLE	DIG PROT	% *	2.5	7.3		
GOATS	DIG PROT	% *	2.4	6.9		
HORSES	DIG PROT	% *	2.4	7.0		
RABBITS	DIG PROT	% *	2.5	7.2		
SHEEP	DIG PROT	% *	2.5	7.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.89	2.58		
SHEEP	DE	MCAL/KG *	0.90	2.62		
CATTLE	ME	MCAL/KG *	0.73	2.12		
SHEEP	ME	MCAL/KG *	0.74	2.15		
CATTLE	NE-M	MCAL/KG *	0.43	1.25		
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.61		
CATTLE	NE-LACTATION	MCAL/KG *	0.45	1.30		
CATTLE	TDN	% *	20.1	58.6		
SHEEP	TDN	% *	20.4	59.4		
CYNODON DACTYLON, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-10-389						
DRY MATTER		%	34.5	100.0	13	4
ORGANIC MATTER		%	30.3	87.6	14	4
ASH		%	4.3	12.4	14	4
CRUDE FIBER		%	9.8	28.3	5	4
ETHER EXTRACT		%	0.7	2.0	17	4
NITROGEN FREE EXTRACT		%	17.6	51.1	2	4
PROTEIN		%	2.1	6.2	15	4
CATTLE	DIG PROT	% *	1.1	3.2		
GOATS	DIG PROT	% *	0.8	2.3		
HORSES	DIG PROT	% *	1.0	2.8		
RABBITS	DIG PROT	% *	1.2	3.5		
SHEEP	DIG PROT	% *	1.0	2.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.86	2.49		
SHEEP	DE	MCAL/KG *	0.86	2.55		
CATTLE	ME	MCAL/KG *	0.70	2.04		
SHEEP	ME	MCAL/KG *	0.72	2.09		
CATTLE	NE-M	MCAL/KG *	0.42	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.23		
CATTLE	TDN	% *	19.5	56.5		
SHEEP	TDN	% *	20.0	57.9		
CALCIUM		%	0.12	0.35	15	4
PHOSPHORUS		%	0.06	0.19	16	4
CYNODON DACTYLON, AERIAL PART, FRESH, CUT 3, (2)						
REF NO 2-10-604						
DRY MATTER		%	27.7	100.0	22	8
ORGANIC MATTER		%	23.8	85.8	26	8
ASH		%	3.9	14.2	26	8
CRUDE FIBER		%	8.0	28.7	11	8
ETHER EXTRACT		%	0.4	1.6	17	8
NITROGEN FREE EXTRACT		%	13.3	47.9	7	8
PROTEIN		%	2.1	7.7	15	8
CATTLE	DIG PROT	% *	1.2	4.4		
GOATS	DIG PROT	% *	1.0	3.7		
HORSES	DIG PROT	% *	1.1	4.0		
RABBITS	DIG PROT	% *	1.3	4.6		
SHEEP	DIG PROT	% *	1.1	4.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.69	2.48		
SHEEP	DE	MCAL/KG *	0.69	2.48		
CATTLE	ME	MCAL/KG *	0.56	2.03		
SHEEP	ME	MCAL/KG *	0.56	2.04		
CATTLE	NE-M	MCAL/KG *	0.33	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.52		
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.22		
CATTLE	TDN	% *	15.6	56.3		
SHEEP	TDN	% *	15.6	56.4		
CALCIUM		%	0.09	0.34	11	8
MAGNESIUM		%	0.05	0.16	7	8
MANGANESE		MG/KG	3.8	13.7	51	8
PHOSPHORUS		%	0.12	0.42	14	8
POTASSIUM		%	0.51	1.84	22	8
ZINC		MG/KG	10.9	39.2	24	8
CYNODON DACTYLON, AERIAL PART, FRESH FERTILIZED, (2)						
REF NO 2-10-289						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.2		
ASH		%		11.8	11	5
CRUDE FIBER		%		28.3	5	5
ETHER EXTRACT		%		1.7	15	5
NITROGEN FREE EXTRACT		%		46.6	2	5
PROTEIN		%		11.5	23	5
CATTLE	DIG PROT	% *		7.7		
GOATS	DIG PROT	% *		7.3		
HORSES	DIG PROT	% *		7.3		
RABBITS	DIG PROT	% *		7.5		
SHEEP	DIG PROT	% *		7.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.59		
SHEEP	DE	MCAL/KG *		2.60		
CATTLE	ME	MCAL/KG *		2.13		
SHEEP	ME	MCAL/KG *		2.13		
CATTLE	NE-M	MCAL/KG *		1.26		
CATTLE	NE-GAIN	MCAL/KG *		0.62		
CATTLE	NE-LACTATION	MCAL/KG *		1.31		
CATTLE	TDN	% *		58.8		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	TDN % *		59.0		

CYNODON DACTYLON, AERIAL PART, FRESH
FERTILIZED, LATE BLOOM, CUT 1, (2)

REF NO 2-10-391

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.6	100.0	30	7
ORGANIC MATTER	%	14.6	88.4	15	7
ASH	%	1.9	11.6	15	7
CRUDE FIBER	%	5.4	32.6	3	7
ETHER EXTRACT	%	0.3	1.7	18	7
NITROGEN FREE EXTRACT	%	7.9	47.7	3	7
PROTEIN	%	1.1	6.5	5	7
CATTLE DIG PROT	% *	0.6	3.4		
GOATS DIG PROT	% *	0.4	2.6		
HORSES DIG PROT	% *	0.5	3.0		
RABBITS DIG PROT	% *	0.6	3.7		
SHEEP DIG PROT	% *	0.5	3.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.39	2.36		
SHEEP DE	MCAL/KG *	0.41	2.46		
CATTLE ME	MCAL/KG *	0.32	1.93		
SHEEP ME	MCAL/KG *	0.33	2.01		
CATTLE NE-M	MCAL/KG *	0.19	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.42		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.13		
CATTLE	TDN % *	8.9	53.5		
SHEEP	TDN % *	9.2	55.7		
CALCIUM	%	0.06	0.34	7	7
PHOSPHORUS	%	0.02	0.14	18	7

CYNODON DACTYLON, AERIAL PART, FRESH
FERTILIZED, CUT 2, (2)

REF NO 2-10-390

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.1	100.0	19	12
ORGANIC MATTER	%	25.8	88.6	14	12
ASH	%	3.3	11.4	14	12
CRUDE FIBER	%	8.9	30.5	5	12
ETHER EXTRACT	%	0.6	2.0	16	12
NITROGEN FREE EXTRACT	%	14.5	49.9	4	12
PROTEIN	%	1.8	6.3	23	12
CATTLE DIG PROT	% *	0.9	3.2		
GOATS DIG PROT	% *	0.7	2.4		
HORSES DIG PROT	% *	0.8	2.9		
RABBITS DIG PROT	% *	1.0	3.5		
SHEEP DIG PROT	% *	[illegible].8	2.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	[illegible].70	2.41		
SHEEP DE	MCAL/KG *	0.73	2.52		
CATTLE ME	MCAL/KG *	0.58	1.98		
SHEEP ME	MCAL/KG *	0.60	2.07		
CATTLE NE-M	MCAL/KG *	0.34	1.17		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.47		
CATTLE NE-LACTATION	MCAL/KG *	0.34	1.17		
CATTLE	TDN % *	15.9	54.7		
SHEEP	TDN % *	16.7	57.2		
CALCIUM	%	0.11	0.39	29	12
PHOSPHORUS	%	0.05	0.17	26	12

CYNODON DACTYLON, BERMUDAGRASS, COASTAL

CYNODON DACTYLON COASTAL, AERIAL PART, DEHY,
(1)

REF NO 1-10-610

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.0	100.0		1
ORGANIC MATTER	%	81.7	90.8		1
ASH	%	8.3	9.2		1
CRUDE FIBER	%	26.4	29.3		1
ETHER EXTRACT	%	3.0	3.3		1
NITROGEN FREE EXTRACT	%	44.2	49.1		1
PROTEIN	%	8.1	9.0		1
CATTLE DIG PROT	% *	4.3	4.7		
GOATS DIG PROT	% *	4.5	5.0		
HORSES DIG PROT	% *	4.7	5.2		
RABBITS DIG PROT	% *	5.1	5.6		
SHEEP DIG PROT	% *	4.2	4.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.24	2.49		
HORSES DE	MCAL/KG *	1.80	2.00		
SHEEP DE	MCAL/KG *	2.14	2.38		
CATTLE ME	MCAL/KG *	1.84	2.04		
HORSES ME	MCAL/KG *	1.48	1.64		
SHEEP ME	MCAL/KG *	1.76	1.95		
CATTLE NE-M	MCAL/KG *	1.08	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.48	0.53		
CATTLE NE-LACTATION	MCAL/KG *	1.11	1.23		
CATTLE	TDN % *	50.9	56.5		
HORSES	TDN % *	45.1	50.1		
SHEEP	TDN % *	48.6	54.0		

CYNODON DACTYLON COASTAL, AERIAL PART, DEHY
GRND, (1)

REF NO 1-10-609

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.8	100.0		1
ORGANIC MATTER	%	80.4	89.5		1
ASH	%	8.5	9.5		1
CRUDE FIBER	%	29.0	32.3		1
ETHER EXTRACT	%	4.4	4.9		1
NITROGEN FREE EXTRACT	%	37.7	42.0		1
PROTEIN	%	10.2	11.4		1
CATTLE DIG PROT	% *	6.1	6.8		
GOATS DIG PROT	% *	6.4	7.2		
HORSES DIG PROT	% *	6.4	7.2		
RABBITS DIG PROT	% *	6.7	7.4		
SHEEP DIG PROT	% *	6.1	6.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.07	2.30		
HORSES DE	MCAL/KG *	1.71	1.91		
SHEEP DE	MCAL/KG *	2.07	2.31		
CATTLE ME	MCAL/KG *	1.69	1.89		
HORSES ME	MCAL/KG *	1.40	1.56		
SHEEP ME	MCAL/KG *	1.70	1.89		
CATTLE NE-M	MCAL/KG *	1.00	1.11		
CATTLE NE-GAIN	MCAL/KG *	0.33	0.37		
CATTLE NE-LACTATION	MCAL/KG *	0.97	1.08		
CATTLE	TDN % *	46.8	52.2		
HORSES	TDN % *	42.7	47.5		
SHEEP	TDN % *	47.0	52.4		
CALCIUM	%	0.46	0.51		1
PHOSPHORUS	%	0.20	0.22		1
VITAMIN A EQUIV	IU/G	119.7	123.3		

CYNODON DACTYLON COASTAL, AERIAL PART, FRESH,
(2)

REF NO 2-00-719

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.9	100.0		1
ORGANIC MATTER	%	18.2	87.3		
ASH	%	2.7	12.7		1
CRUDE FIBER	%	7.0	33.4		1
ETHER EXTRACT	%	0.3	1.5		1
NITROGEN FREE EXTRACT	%	8.5	40.5		1
PROTEIN	%	2.5	11.9		1
CATTLE DIG PROT	% *	1.7	8.0		
GOATS DIG PROT	% *	1.6	7.7		
HORSES DIG PROT	% *	1.6	7.7		
RABBITS DIG PROT	% *	1.6	7.9		
SHEEP DIG PROT	% *	1.7	8.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.57		
SHEEP DE	MCAL/KG *	0.52	2.47		
CATTLE ME	MCAL/KG *	0.44	2.11		
SHEEP ME	MCAL/KG *	0.42	2.02		
CATTLE NE-M	MCAL/KG *	0.26	1.25		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.60		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.29		
CATTLE	TDN % *	12.2	58.3		
SHEEP	TDN % *	11.7	56.0		
CALCIUM	%	0.07	0.31		1
PHOSPHORUS	%	0.07	0.31		1

CYNODON DACTYLON COASTAL, AERIAL PART, FRESH,
1 TO 14 DAYS' GROWTH, (2)

REF NO 2-10-584

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.2	100.0	12	22
DM IN VITRO (TILLY) DIG COEF	%	54.	54.		1
ORGANIC MATTER	%	27.2	90.0		
ASH	%	3.0	10.0	10	21
CRUDE FIBER	%	10.6	35.1	11	21
ETHER EXTRACT	%	0.5	1.5	21	21
NITROGEN FREE EXTRACT	%	12.8	42.3	11	21
PROTEIN	%	3.3	11.1	31	22
CATTLE DIG PROT	% *	2.2	7.3		
GOATS DIG PROT	% *	2.1	6.9		
HORSES DIG PROT	% *	2.1	6.9		
RABBITS DIG PROT	% *	2.2	7.2		
SHEEP DIG PROT	% *	2.2	7.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.76	2.51		
SHEEP DE	MCAL/KG *	0.76	2.50		
CATTLE ME	MCAL/KG *	0.62	2.06		
SHEEP ME	MCAL/KG *	0.62	2.05		
CATTLE NE-M	MCAL/KG *	0.37	1.21		
CATTLE NE-GAIN	MCAL/KG *	0.17	0.55		
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.24		
CATTLE	TDN % *	17.2	56.9		
SHEEP	TDN % *	17.1	56.7		
CALCIUM	%	0.09	0.31		1
COPPER	MG/KG	3.6	12.0		1
MAGNESIUM	%	0.11	0.36		1
MANGANESE	MG/KG	21.5	71.0		1
PHOSPHORUS	%	0.14	0.45		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
POTASSIUM	%	0.79	2.60		1
SODIUM	%	0.04	0.14		1
ZINC	MG/KG	6.7	22.0		1

CYNODON DACTYLON COASTAL, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-128

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.1	100.0	14	4
ORGANIC MATTER	%	27.1	89.9		
ASH	%	3.1	10.2	3	4
CRUDE FIBER	%	10.3	34.4	2	4
ETHER EXTRACT	%	0.5	1.7	8	4
NITROGEN FREE EXTRACT	%	12.4	41.1	2	4
PROTEIN	%	3.8	12.7	13	4
CATTLE DIG PROT	% *	2.6	8.7		
GOATS DIG PROT	% *	2.5	8.4		
HORSES DIG PROT	% *	2.5	8.3		
RABBITS DIG PROT	% *	2.6	8.5		
SHEEP DIG PROT	% *	2.7	8.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.77	2.55		
SHEEP DE	MCAL/KG *	0.77	2.54		
CATTLE ME	MCAL/KG *	0.63	2.09		
SHEEP ME	MCAL/KG *	0.63	2.08		
CATTLE NE-M	MCAL/KG *	0.37	1.23		
CATTLE NE-GAIN	MCAL/KG *	0.17	0.58		
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.27		
CATTLE TDN	% *	17.4	57.8		
SHEEP TDN	% *	17.4	57.6		

CYNODON DACTYLON COASTAL, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-129

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.4	100.0		1
CRUDE FIBER	%	9.3	29.6		1
ETHER EXTRACT	%	1.0	3.2		1
NITROGEN FREE EXTRACT	%	16.8	53.5		1
PROTEIN	%	4.3	13.7		1
CATTLE DIG PROT	% *	3.0	9.5		
GOATS DIG PROT	% *	2.9	9.3		
HORSES DIG PROT	% *	2.9	9.2		
RABBITS DIG PROT	% *	2.9	9.2		
SHEEP DIG PROT	% *	3.1	9.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.05	3.33		
SHEEP DE	MCAL/KG *	0.93	2.94		
CATTLE ME	MCAL/KG *	0.86	2.73		
SHEEP ME	MCAL/KG *	0.76	2.41		
CATTLE NE-M	MCAL/KG *	0.54	1.71		
CATTLE NE-GAIN	MCAL/KG *	0.35	1.13		
CATTLE NE-LACTATION	MCAL/KG *	0.59	1.89		
CATTLE TDN	% *	23.7	75.6		
SHEEP TDN	% *	20.9	66.6		
CALCIUM	%	0.10	0.32		1
PHOSPHORUS	%	0.14	0.43		1

CYNODON DACTYLON COASTAL, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-17-510

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.5		
ASH	%		11.5		1
ETHER EXTRACT	%		5.2		1
NITROGEN FREE EXTRACT	%		47.2		1
PROTEIN	%		9.2		1
CATTLE DIG PROT	% *		5.7		
GOATS DIG PROT	% *		5.1		
HORSES DIG PROT	% *		5.3		
RABBITS DIG PROT	% *		5.8		
SHEEP DIG PROT	% *		5.6		
CELLULOSE (CRAMPTON)	%		28.7		1
CALCIUM	%		0.32		1
MAGNESIUM	%		0.21		1
PHOSPHORUS	%		0.25		1
ACID INSOLUBLE ASH (SILICA)	%		5.56		1

CYNODON DACTYLON COASTAL, AERIAL PART, FRESH, FULL BLOOM, CUT 1, (2)

REF NO 2-09-917

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.8		
ASH	%		8.2		1
CRUDE FIBER	%		30.4		1
ETHER EXTRACT	%		1.1		1
NITROGEN FREE EXTRACT	%		52.6		1
PROTEIN	%		7.6		1
CATTLE DIG PROT	% *		4.3		
GOATS DIG PROT	% *		3.6		
HORSES DIG PROT	% *		4.0		
RABBITS DIG PROT	% *		4.5		
SHEEP DIG PROT	% *		4.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.55		
SHEEP DE	MCAL/KG *		2.58		
CATTLE ME	MCAL/KG *		2.09		
SHEEP ME	MCAL/KG *		2.12		
CATTLE NE-M	MCAL/KG *		1.23		
CATTLE NE-GAIN	MCAL/KG *		0.58		
CATTLE NE-LACTATION	MCAL/KG *		1.27		
CATTLE TDN	% *		57.7		
SHEEP TDN	% *		58.6		

CYNODON PLECTOSTACHYUM, STARGRASS

CYNODON PLECTOSTACHYUM, AERIAL PART, DEHY, (1)

REF NO 1-10-005

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.8	100.0		5
ORGANIC MATTER	%	85.1	89.8	12	1
ASH	%	9.6	10.1	12	5
CRUDE FIBER	%	32.9	34.7	11	5
ETHER EXTRACT	%	1.7	1.8	30	5
NITROGEN FREE EXTRACT	%	40.2	42.4	15	5
PROTEIN	%	10.3	10.9	26	5
CATTLE DIG PROT	% *	6.0	6.4		
GOATS DIG PROT	% *	6.4	6.7		
HORSES DIG PROT	% *	6.4	6.8		
RABBITS DIG PROT	% *	6.7	7.1		
SHEEP DIG PROT	% *	6.0	6.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.16	2.28		
HORSES DE	MCAL/KG *	1.75	1.85		
SHEEP DE	MCAL/KG *	2.16	2.28		
CATTLE ME	MCAL/KG *	1.77	1.87		
HORSES ME	MCAL/KG *	1.44	1.51		
SHEEP ME	MCAL/KG *	1.77	1.87		
CATTLE NE-M	MCAL/KG *	1.04	1.10		
CATTLE NE-GAIN	MCAL/KG *	0.33	0.35		
CATTLE NE-LACTATION	MCAL/KG *	1.01	1.06		
CATTLE TDN	% *	49.0	51.7		
HORSES TDN	% *	43.5	45.9		
SHEEP TDN	% *	49.0	51.7		
CALCIUM	%	0.58	0.61		1
IRON	%	0.030	0.032		1
PHOSPHORUS	%	0.21	0.22		1

CYNODON PLECTOSTACHYUM, AERIAL PART, DEHY GRND, (1)

REF NO 1-11-032

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.7	100.0		2
ORGANIC MATTER	%	83.0	90.5		2
ASH	%	8.7	9.5		2
CRUDE FIBER	%	35.1	38.2		2
ETHER EXTRACT	%	2.2	2.4		2
NITROGEN FREE EXTRACT	%	40.1	43.7		2
PROTEIN	%	5.7	6.2		2
CATTLE DIG PROT	% *	2.1	2.3		
GOATS DIG PROT	% *	2.2	2.4		
HORSES DIG PROT	% *	2.6	2.8		
RABBITS DIG PROT	% *	3.2	3.5		
SHEEP DIG PROT	% *	2.0	2.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.01	2.19		
HORSES DE	MCAL/KG *	1.63	1.78		
SHEEP DE	MCAL/KG *	1.98	2.16		
CATTLE ME	MCAL/KG *	1.65	1.80		
HORSES ME	MCAL/KG *	1.34	1.46		
SHEEP ME	MCAL/KG *	1.62	1.77		
CATTLE NE-M	MCAL/KG *	0.98	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.25	0.27		
CATTLE NE-LACTATION	MCAL/KG *	0.92	1.00		
CATTLE TDN	% *	45.6	49.8		
HORSES TDN	% *	40.3	43.9		
SHEEP TDN	% *	44.9	48.9		
CALCIUM	%	0.38	0.41		1
PHOSPHORUS	%	0.33	0.36		1
VITAMIN A EQUIV	IU/G	133.3	145.3		

CYNODON PLECTOSTACHYUM, HAY, S-C, (1)

REF NO 1-10-606

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.1	100.0		1
ORGANIC MATTER	%	81.8	90.8		1
ASH	%	8.3	9.2		1
CRUDE FIBER	%	37.2	41.3		1
ETHER EXTRACT	%	1.6	1.8		1
NITROGEN FREE EXTRACT	%	37.5	41.6		1
PROTEIN	%	5.5	6.1		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	2.0	2.2		
GOATS	DIG PROT % *	2.0	2.3		
HORSES	DIG PROT % *	2.4	2.7		
RABBITS	DIG PROT % *	3.0	3.4		
SHEEP	DIG PROT % *	1.8	2.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.93	2.14		
HORSES	DE MCAL/KG *	1.44	1.60		
SHEEP	DE MCAL/KG *	1.93	2.15		
CATTLE	ME MCAL/KG *	1.58	1.76		
HORSES	ME MCAL/KG *	1.18	1.31		
SHEEP	ME MCAL/KG *	1.59	1.76		
CATTLE	NE-M MCAL/KG *	0.94	1.04		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.22		
CATTLE	NE-LACTATION MCAL/KG *	0.86	0.96		
CATTLE	TDN % *	43.8	48.6		
HORSES	TDN % *	35.3	39.2		
SHEEP	TDN % *	43.9	48.7		

CYNODON PLECTOSTACHYUM, STEMS, DEHY, (1)

REF NO 1-17-610

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.7	100.0		6
ORGANIC MATTER	%	86.6	93.4		
ASH	%	6.1	6.6	25	6
CRUDE FIBER	%	35.5	38.3	6	6
ETHER EXTRACT	%	0.7	0.8	22	6
NITROGEN FREE EXTRACT	%	44.2	47.7	6	6
PROTEIN	%	6.1	6.6	46	6
CATTLE	DIG PROT % *	2.4	2.6		
GOATS	DIG PROT % *	2.5	2.7		
HORSES	DIG PROT % *	2.9	3.1		
RABBITS	DIG PROT % *	3.5	3.7		
SHEEP	DIG PROT % *	2.3	2.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.06	2.23		
HORSES	DE MCAL/KG *	1.29	1.39		
SHEEP	DE MCAL/KG *	2.08	2.25		
CATTLE	ME MCAL/KG *	1.69	1.83		
HORSES	ME MCAL/KG *	1.06	1.14		
SHEEP	ME MCAL/KG *	1.71	1.84		
CATTLE	NE-M MCAL/KG *	1.00	1.08		
CATTLE	NE-GAIN MCAL/KG *	0.28	0.30		
CATTLE	NE-LACTATION MCAL/KG *	0.95	1.02		
CATTLE	TDN % *	46.8	50.5		
HORSES	TDN % *	30.9	33.4		
SHEEP	TDN % *	47.2	51.0		

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, (2)

REF NO 2-09-730

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.1	100.0	17	19
ORGANIC MATTER	%	25.5	90.6	61	14
ASH	%	3.0	10.6	61	35
CRUDE FIBER	%	9.5	33.6	24	35
ETHER EXTRACT	%	0.9	3.1	70	35
NITROGEN FREE EXTRACT	%	12.0	42.6	17	33
PROTEIN	%	2.8	10.1	45	37
CATTLE	DIG PROT % *	1.8	6.5		
GOATS	DIG PROT % *	1.7	6.0		
HORSES	DIG PROT % *	1.7	6.1		
RABBITS	DIG PROT % *	1.8	6.5		
SHEEP	DIG PROT % *	1.8	6.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.66	2.36		
SHEEP	DE MCAL/KG *	0.72	2.56		
CATTLE	ME MCAL/KG *	0.54	1.93		
SHEEP	ME MCAL/KG *	0.59	2.10		
CATTLE	NE-M MCAL/KG *	0.32	1.14		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.42		
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.12		
CATTLE	TDN % *	15.0	53.4		
SHEEP	TDN % *	16.4	58.2		
CALCIUM	%	0.04	0.15	88	11
IRON	%	0.003	0.009	74	9
PHOSPHORUS	%	0.05	0.18	89	11
VITAMIN A EQUIV	IU/G	3.9	13.7		

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-113

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.7	100.0	15	26
ORGANIC MATTER	%	22.1	89.8	19	24
ASH	%	2.5	10.2	19	24
CRUDE FIBER	%	8.1	32.8	10	25
ETHER EXTRACT	%	0.6	2.4	28	25
NITROGEN FREE EXTRACT	%	10.5	42.6	9	24
PROTEIN	%	3.0	12.0	18	26
CATTLE	DIG PROT % *	2.0	8.1		
GOATS	DIG PROT % *	1.9	7.7		
HORSES	DIG PROT % *	1.9	7.7		
RABBITS	DIG PROT % *	2.0	7.9		
SHEEP	DIG PROT % *	2.0	8.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.61	2.46		
SHEEP	DE MCAL/KG *	0.64	2.59		
CATTLE	ME MCAL/KG *	0.50	2.02		
SHEEP	ME MCAL/KG *	0.52	2.12		
CATTLE	NE-M MCAL/KG *	0.29	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.21		
CATTLE	TDN % *	13.8	55.9		
SHEEP	TDN % *	14.5	58.8		
CALCIUM	%	0.04	0.14		1
IRON	%	0.005	0.021		1
PHOSPHORUS	%	0.07	0.29		1
VITAMIN A EQUIV	IU/G	4.9	19.8		

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-11-128

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.6	100.0	11	17
ORGANIC MATTER	%	25.0	90.4	15	17
ASH	%	2.6	9.6	15	17
CRUDE FIBER	%	9.8	35.4	12	17
ETHER EXTRACT	%	0.7	2.7	55	17
NITROGEN FREE EXTRACT	%	12.1	43.8	8	17
PROTEIN	%	2.4	8.5	16	17
CATTLE	DIG PROT % *	1.4	5.1		
GOATS	DIG PROT % *	1.2	4.5		
HORSES	DIG PROT % *	1.3	4.8		
RABBITS	DIG PROT % *	1.5	5.3		
SHEEP	DIG PROT % *	1.4	4.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.62	2.26		
SHEEP	DE MCAL/KG *	0.70	2.52		
CATTLE	ME MCAL/KG *	0.51	1.85		
SHEEP	ME MCAL/KG *	0.57	2.07		
CATTLE	NE-M MCAL/KG *	0.30	1.09		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.33		
CATTLE	NE-LACTATION MCAL/KG *	0.29	1.05		
CATTLE	TDN % *	14.1	51.2		
SHEEP	TDN % *	15.8	57.2		

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, 43 TO 55 DAYS' GROWTH, (2)

REF NO 2-11-137

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.7	100.0	15	13
ORGANIC MATTER	%	25.1	90.7	15	11
ASH	%	2.5	9.0	15	12
CRUDE FIBER	%	9.5	34.4	17	14
ETHER EXTRACT	%	0.6	2.1	36	14
NITROGEN FREE EXTRACT	%	12.6	45.5	13	12
PROTEIN	%	2.5	8.9	20	14
CATTLE	DIG PROT % *	1.5	5.5		
GOATS	DIG PROT % *	1.4	4.9		
HORSES	DIG PROT % *	1.4	5.1		
RABBITS	DIG PROT % *	1.5	5.6		
SHEEP	DIG PROT % *	1.5	5.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.65	2.35		
SHEEP	DE MCAL/KG *	0.70	2.53		
CATTLE	ME MCAL/KG *	0.53	1.93		
SHEEP	ME MCAL/KG *	0.58	2.08		
CATTLE	NE-M MCAL/KG *	0.31	1.14		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.41		
CATTLE	NE-LACTATION MCAL/KG *	0.31	1.12		
CATTLE	TDN % *	14.8	53.4		
SHEEP	TDN % *	15.9	57.5		

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-922

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.5	100.0	40	5
ORGANIC MATTER	%	30.2	90.2		
ASH	%	3.3	9.8	10	5
CRUDE FIBER	%	10.2	30.4	9	5
PROTEIN	%	2.2	6.5	18	5
CATTLE	DIG PROT % *	1.1	3.4		
GOATS	DIG PROT % *	0.9	2.6		
HORSES	DIG PROT % *	1.0	3.0		
RABBITS	DIG PROT % *	1.2	3.7		
SHEEP	DIG PROT % *	1.0	3.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)				
REF NO 2-13-640				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.3	
ASH	%		5.7	1
CRUDE FIBER	%		28.6	1
ETHER EXTRACT	%		2.2	1
NITROGEN FREE EXTRACT	%		54.0	1
PROTEIN	%		11.5	1
CATTLE	DIG PROT % *		7.7	
GOATS	DIG PROT % *		7.3	
HORSES	DIG PROT % *		7.3	
RABBITS	DIG PROT % *		7.5	
SHEEP	DIG PROT % *		7.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.94	
SHEEP	DE MCAL/KG *		2.84	
CATTLE	ME MCAL/KG *		2.41	
SHEEP	ME MCAL/KG *		2.33	
CATTLE	NE-M MCAL/KG *		1.45	
CATTLE	NE-GAIN MCAL/KG *		0.88	
CATTLE	NE-LACTATION MCAL/KG *		1.56	
CATTLE	TDN % *		66.7	
SHEEP	TDN % *		64.4	
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)				
REF NO 2-13-641				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.3	
ASH	%		5.7	1
CRUDE FIBER	%		29.5	1
ETHER EXTRACT	%		1.6	1
NITROGEN FREE EXTRACT	%		53.2	1
PROTEIN	%		10.0	1
CATTLE	DIG PROT % *		6.4	
GOATS	DIG PROT % *		5.9	
HORSES	DIG PROT % *		6.0	
RABBITS	DIG PROT % *		6.4	
SHEEP	DIG PROT % *		6.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.66	
SHEEP	DE MCAL/KG *		2.73	
CATTLE	ME MCAL/KG *		2.18	
SHEEP	ME MCAL/KG *		2.23	
CATTLE	NE-M MCAL/KG *		1.29	
CATTLE	NE-GAIN MCAL/KG *		0.67	
CATTLE	NE-LACTATION MCAL/KG *		1.36	
CATTLE	TDN % *		60.4	
SHEEP	TDN % *		61.8	
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)				
REF NO 2-17-445				
DRY MATTER	%	30.7	100.0	1
ORGANIC MATTER	%	27.3	89.0	
ASH	%	3.4	11.0	1
CRUDE FIBER	%	9.6	31.3	1
ETHER EXTRACT	%	0.4	1.3	1
NITROGEN FREE EXTRACT	%	15.3	49.8	1
PROTEIN	%	2.0	6.6	1
CATTLE	DIG PROT % *	1.1	3.5	
GOATS	DIG PROT % *	0.8	2.7	
HORSES	DIG PROT % *	1.0	3.1	
RABBITS	DIG PROT % *	1.1	3.7	
SHEEP	DIG PROT % *	1.0	3.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.75	2.46	
SHEEP	DE MCAL/KG *	0.76	2.49	
CATTLE	ME MCAL/KG *	0.62	2.01	
SHEEP	ME MCAL/KG *	0.63	2.04	
CATTLE	NE-M MCAL/KG *	0.36	1.19	
CATTLE	NE-GAIN MCAL/KG *	0.15	0.50	
CATTLE	NE-LACTATION MCAL/KG *	0.37	1.20	
CATTLE	TDN % *	17.1	55.7	
SHEEP	TDN % *	17.3	56.4	
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)				
REF NO 2-17-511				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.6	
ASH	%		11.4	1
ETHER EXTRACT	%		4.0	1
NITROGEN FREE EXTRACT	%		47.2	1
PROTEIN	%		10.0	1
CATTLE	DIG PROT % *		6.4	
GOATS	DIG PROT % *		5.9	
HORSES	DIG PROT % *		6.0	
RABBITS	DIG PROT % *		6.4	
SHEEP	DIG PROT % *		6.3	
CELLULOSE (CRAMPTON)	%		26.8	1
CALCIUM	%		0.48	1
MAGNESIUM	%		0.34	1
PHOSPHORUS	%		0.33	1
ACID INSOLUBLE ASH (SILICA)	%		6.92	1
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)				
REF NO 2-10-231				
DRY MATTER	%	28.8	100.0	3
ORGANIC MATTER	%	25.5	88.3	1
ASH	%	2.9	10.1	3
CRUDE FIBER	%	9.1	31.7	3
ETHER EXTRACT	%	0.6	2.0	3
NITROGEN FREE EXTRACT	%	12.5	43.5	3
PROTEIN	%	3.7	12.7	3
CATTLE	DIG PROT % *	2.5	8.7	
GOATS	DIG PROT % *	2.4	8.4	
HORSES	DIG PROT % *	2.4	8.3	
RABBITS	DIG PROT % *	2.4	8.5	
SHEEP	DIG PROT % *	2.5	8.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.73	2.55	
SHEEP	DE MCAL/KG *	0.75	2.60	
CATTLE	ME MCAL/KG *	0.60	2.09	
SHEEP	ME MCAL/KG *	0.62	2.13	
CATTLE	NE-M MCAL/KG *	0.36	1.23	
CATTLE	NE-GAIN MCAL/KG *	0.17	0.58	
CATTLE	NE-LACTATION MCAL/KG *	0.37	1.28	
CATTLE	TDN % *	16.7	57.8	
SHEEP	TDN % *	17.0	59.0	
CALCIUM	%	0.18	0.61	3
PHOSPHORUS	%	0.05	0.16	3
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)				
REF NO 2-09-929				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.3	
ASH	%		10.7	1
CRUDE FIBER	%		29.2	1
ETHER EXTRACT	%		2.1	1
NITROGEN FREE EXTRACT	%		41.4	1
PROTEIN	%		16.6	1
CATTLE	DIG PROT % *		12.0	
GOATS	DIG PROT % *		12.0	
HORSES	DIG PROT % *		11.6	
RABBITS	DIG PROT % *		11.5	
SHEEP	DIG PROT % *		12.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.67	
SHEEP	DE MCAL/KG *		2.67	
CATTLE	ME MCAL/KG *		2.19	
SHEEP	ME MCAL/KG *		2.19	
CATTLE	NE-M MCAL/KG *		1.30	
CATTLE	NE-GAIN MCAL/KG *		0.67	
CATTLE	NE-LACTATION MCAL/KG *		1.37	
CATTLE	TDN % *		60.5	
SHEEP	TDN % *		60.7	
CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, DOUGH STAGE, (2)				
REF NO 2-13-667				
DRY MATTER	%	19.5	100.0	1
ORGANIC MATTER	%	17.3	88.9	
ASH	%	2.2	11.1	1
CRUDE FIBER	%	6.1	31.4	1
ETHER EXTRACT	%	0.3	1.6	1
NITROGEN FREE EXTRACT	%	7.2	36.7	1
PROTEIN	%	3.7	19.2	1
CATTLE	DIG PROT % *	2.8	14.2	
GOATS	DIG PROT % *	2.8	14.5	
HORSES	DIG PROT % *	2.7	13.8	
RABBITS	DIG PROT % *	2.6	13.5	
SHEEP	DIG PROT % *	2.9	14.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.54	2.77	
SHEEP	DE MCAL/KG *	0.51	2.63	
CATTLE	ME MCAL/KG *	0.44	2.27	
SHEEP	ME MCAL/KG *	0.42	2.16	
CATTLE	NE-M MCAL/KG *	0.26	1.35	
CATTLE	NE-GAIN MCAL/KG *	0.15	0.75	
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.44	
CATTLE	TDN % *	12.2	62.7	
SHEEP	TDN % *	11.6	59.6	
CALCIUM	%	0.02	0.10	1

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%	0.12	0.62		1

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, POST HIPE, (2)

REF NO 2-17-446

DRY MATTER		%		100.0	
ORGANIC MATTER		%		86.9	
ASH		%		13.1	1
CRUDE FIBER		%		31.4	1
ETHER EXTRACT		%		2.0	1
NITROGEN FREE EXTRACT		%		45.7	1
PROTEIN		%		7.8	1
CATTLE	DIG PROT	% *		4.5	
GOATS	DIG PROT	% *		3.8	
HORSES	DIG PROT	% *		4.1	
RABBITS	DIG PROT	% *		4.7	
SHEEP	DIG PROT	% *		4.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.36	
SHEEP	DE	MCAL/KG *		2.47	
CATTLE	ME	MCAL/KG *		1.94	
SHEEP	ME	MCAL/KG *		2.03	
CATTLE	NE-M	MCAL/KG *		1.14	
CATTLE	NE-GAIN	MCAL/KG *		0.42	
CATTLE	NE-LACTATION	MCAL/KG *		1.13	
CATTLE	TDN	% *		53.6	
SHEEP	TDN	% *		56.1	

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-11-008

DRY MATTER		%	27.9	100.0	1
ORGANIC MATTER		%	25.8	92.4	
ASH		%	2.1	7.6	1
CRUDE FIBER		%	9.8	35.3	1
ETHER EXTRACT		%	0.4	1.6	1
NITROGEN FREE EXTRACT		%	12.6	45.3	1
PROTEIN		%	2.8	10.2	1
CATTLE	DIG PROT	% *	1.8	6.6	
GOATS	DIG PROT	% *	1.7	6.1	
HORSES	DIG PROT	% *	1.7	6.2	
RABBITS	DIG PROT	% *	1.8	6.5	
SHEEP	DIG PROT	% *	1.8	6.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.68	2.44	
SHEEP	DE	MCAL/KG *	0.71	2.54	
CATTLE	ME	MCAL/KG *	0.56	2.00	
SHEEP	ME	MCAL/KG *	0.58	2.09	
CATTLE	NE-M	MCAL/KG *	0.33	1.18	
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.49	
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.19	
CATTLE	TDN	% *	15.5	55.4	
SHEEP	TDN	% *	16.1	57.7	
CALCIUM		%	0.17	0.62	1
COPPER		MG/KG	21.8	78.1	1
IRON		%	0.004	0.013	1
MAGNESIUM		%	0.09	0.32	1
MANGANESE		MG/KG	17.9	64.1	1
PHOSPHORUS		%	0.04	0.16	1
POTASSIUM		%	0.27	0.98	1
SODIUM		%	0.02	0.07	1

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-11-009

DRY MATTER		%	33.3	100.0	1
ORGANIC MATTER		%	30.9	92.8	
ASH		%	2.4	7.2	1
CRUDE FIBER		%	12.7	38.0	1
ETHER EXTRACT		%	0.5	1.6	1
NITROGEN FREE EXTRACT		%	15.2	45.6	1
PROTEIN		%	2.5	7.6	1
CATTLE	DIG PROT	% *	1.4	4.4	
GOATS	DIG PROT	% *	1.2	3.7	
HORSES	DIG PROT	% *	1.3	4.0	
RABBITS	DIG PROT	% *	1.5	4.5	
SHEEP	DIG PROT	% *	1.4	4.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.75	2.25	
SHEEP	DE	MCAL/KG *	0.82	2.47	
CATTLE	ME	MCAL/KG *	0.61	1.84	
SHEEP	ME	MCAL/KG *	0.67	2.02	
CATTLE	NE-M	MCAL/KG *	0.36	1.09	
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.32	
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.04	
CATTLE	TDN	% *	17.0	51.0	
SHEEP	TDN	% *	18.6	55.9	

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-11-010

DRY MATTER		%	30.4	100.0	1
ORGANIC MATTER		%	28.1	92.5	
ASH		%	2.3	7.5	1
CRUDE FIBER		%	12.1	39.7	1
ETHER EXTRACT		%	0.5	1.7	1
NITROGEN FREE EXTRACT		%	13.3	43.7	1
PROTEIN		%	2.2	7.4	1
CATTLE	DIG PROT	% *	1.3	4.2	
GOATS	DIG PROT	% *	1.1	3.5	
HORSES	DIG PROT	% *	1.2	3.8	
RABBITS	DIG PROT	% *	1.3	4.4	
SHEEP	DIG PROT	% *	1.2	3.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.66	2.18	
SHEEP	DE	MCAL/KG *	0.74	2.44	
CATTLE	ME	MCAL/KG *	0.54	1.79	
SHEEP	ME	MCAL/KG *	0.61	2.00	
CATTLE	NE-M	MCAL/KG *	0.32	1.06	
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.26	
CATTLE	NE-LACTATION	MCAL/KG *	0.30	0.99	
CATTLE	TDN	% *	15.0	49.5	
SHEEP	TDN	% *	16.8	55.3	

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH FERTILIZED, CUT 2, (2)

REF NO 2-10-088

DRY MATTER		%		100.0	
PROTEIN		%		4.7	7 6
CATTLE	DIG PROT	% *		1.9	
GOATS	DIG PROT	% *		0.9	
HORSES	DIG PROT	% *		1.5	
RABBITS	DIG PROT	% *		2.3	
SHEEP	DIG PROT	% *		1.4	

CYNODON PLECTOSTACHYUM, AERIAL PART, FRESH FERTILIZED, CUT 3, (2)

REF NO 2-10-089

DRY MATTER		%		100.0	
PROTEIN		%		4.5	10 4
CATTLE	DIG PROT	% *		1.7	
GOATS	DIG PROT	% *		0.8	
HORSES	DIG PROT	% *		1.4	
RABBITS	DIG PROT	% *		2.2	
SHEEP	DIG PROT	% *		1.2	

CYNODON PLECTOSTACHYUM, LEAVES, FRESH, (2)

REF NO 2-11-007

DRY MATTER		%		100.0	
ORGANIC MATTER		%		89.7	
ASH		%		10.3	9 90
CRUDE FIBER		%		31.9	8 90
ETHER EXTRACT		%		2.3	27 90
NITROGEN FREE EXTRACT		%		44.7	9 90
PROTEIN		%		10.8	32 90
CATTLE	DIG PROT	% *		7.1	
GOATS	DIG PROT	% *		6.7	
HORSES	DIG PROT	% *		6.7	
RABBITS	DIG PROT	% *		7.0	
SHEEP	DIG PROT	% *		7.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.47	
SHEEP	DE	MCAL/KG *		2.58	
CATTLE	ME	MCAL/KG *		2.03	
SHEEP	ME	MCAL/KG *		2.11	
CATTLE	NE-M	MCAL/KG *		1.19	
CATTLE	NE-GAIN	MCAL/KG *		0.52	
CATTLE	NE-LACTATION	MCAL/KG *		1.21	
CATTLE	TDN	% *		56.1	
SHEEP	TDN	% *		58.5	
CALCIUM		%		0.32	38 84
PHOSPHORUS		%		0.06	98 84

CYNODON PLECTOSTACHYUM, LEAVES, FRESH FERTILIZED, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-13-962

DRY MATTER		%	28.5	100.0	1
ORGANIC MATTER		%	25.7	90.0	
ASH		%	2.9	10.0	1
CRUDE FIBER		%	9.3	32.7	1
PROTEIN		%	1.6	5.7	1
CATTLE	DIG PROT	% *	0.8	2.7	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT	% *	0.5	1.9	
HORSES	DIG PROT	% *	0.7	2.4	
RABBITS	DIG PROT	% *	0.9	3.1	
SHEEP	DIG PROT	% *	0.7	2.3	

CYNODON SPP. BERMUDAGRASS

CYNODON SPP. AERIAL PART. DEHY GRND. (1)

REF NO 1-11-466

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	92.4	100.0	1
ORGANIC MATTER		%	81.4	88.1	1
ASH		%	11.0	11.9	1
CRUDE FIBER		%	26.7	28.9	1
ETHER EXTRACT		%	3.2	3.5	1
NITROGEN FREE EXTRACT		%	42.0	45.5	1
PROTEIN		%	9.5	10.3	1
CATTLE	DIG PROT	% *	5.4	5.8	
GOATS	DIG PROT	% *	5.7	6.2	
HORSES	DIG PROT	% *	5.8	6.3	
RABBITS	DIG PROT	% *	6.1	6.6	
SHEEP	DIG PROT	% *	5.4	5.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.22	2.40	
HORSES	DE	MCAL/KG *	1.85	2.01	
SHEEP	DE	MCAL/KG *	2.14	2.32	
CATTLE	ME	MCAL/KG *	1.82	1.97	
HORSES	ME	MCAL/KG *	1.52	1.65	
SHEEP	ME	MCAL/KG *	1.76	1.90	
CATTLE	NE-M	MCAL/KG *	1.07	1.16	
CATTLE	NE-GAIN	MCAL/KG *	0.42	0.46	
CATTLE	NE-LACTATION	MCAL/KG *	1.07	1.16	
CATTLE	TDN	% *	50.3	54.5	
HORSES	TDN	% *	46.4	50.3	
SHEEP	TDN	% *	48.6	52.7	
CALCIUM		%	0.58	0.63	1
PHOSPHORUS		%	0.31	0.34	1
VITAMIN A EQUIV		IU/G	295.1	319.3	

CYNODON SPP. AERIAL PART. FRESH. 15 TO 28 DAYS' GROWTH. (2)

REF NO 2-10-475

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	33.1	100.0	3
PROTEIN		%	2.8	8.4	3
CATTLE	DIG PROT	% *	1.7	5.1	
GOATS	DIG PROT	% *	1.5	4.4	
HORSES	DIG PROT	% *	1.6	4.7	
RABBITS	DIG PROT	% *	1.7	5.2	
SHEEP	DIG PROT	% *	1.6	4.8	

CYNODON SPP. AERIAL PART. FRESH. EARLY VEGETATIVE. (2)

REF NO 2-10-232

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	27.3	100.0	2
ORGANIC MATTER		%	24.3	89.1	1
ASH		%	2.9	10.7	2
CRUDE FIBER		%	9.2	33.8	2
ETHER EXTRACT		%	0.4	1.6	2
NITROGEN FREE EXTRACT		%	11.7	42.8	2
PROTEIN		%	3.1	11.2	2
CATTLE	DIG PROT	% *	2.0	7.4	
GOATS	DIG PROT	% *	1.9	7.0	
HORSES	DIG PROT	% *	1.9	7.1	
RABBITS	DIG PROT	% *	2.0	7.3	
SHEEP	DIG PROT	% *	2.0	7.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.69	2.52	
SHEEP	DE	MCAL/KG *	0.69	2.51	
CATTLE	ME	MCAL/KG *	0.56	2.06	
SHEEP	ME	MCAL/KG *	0.56	2.06	
CATTLE	NE-M	MCAL/KG *	0.33	1.22	
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.55	
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.25	
CATTLE	TDN	% *	15.6	57.1	
SHEEP	TDN	% *	15.5	57.0	
CALCIUM		%	0.11	0.40	1
MAGNESIUM		%	0.04	0.15	1
PHOSPHORUS		%	0.09	0.32	1

CYNODON SPP. AERIAL PART. FRESH. LATE VEGETATIVE. (2)

REF NO 2-01-800

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	33.2	100.0	1
ORGANIC MATTER		%	29.6	89.1	
ASH		%	3.6	10.9	1
CRUDE FIBER		%	11.1	33.4	1
ETHER EXTRACT		%	0.5	1.6	1
NITROGEN FREE EXTRACT		%	14.7	44.3	1
PROTEIN		%	3.3	9.8	1
CATTLE	DIG PROT	% *	2.1	6.2	
GOATS	DIG PROT	% *	1.9	5.7	
HORSES	DIG PROT	% *	1.9	5.9	
RABBITS	DIG PROT	% *	2.1	6.2	
SHEEP	DIG PROT	% *	2.0	6.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.82	2.47	
SHEEP	DE	MCAL/KG *	0.83	2.49	
CATTLE	ME	MCAL/KG *	0.67	2.02	
SHEEP	ME	MCAL/KG *	0.68	2.05	
CATTLE	NE-M	MCAL/KG *	0.40	1.19	
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.51	
CATTLE	NE-LACTATION	MCAL/KG *	0.40	1.21	
CATTLE	TDN	% *	18.6	55.9	
SHEEP	TDN	% *	18.8	56.6	
CALCIUM		%	0.13	0.40	1
MAGNESIUM		%	0.05	0.15	1
PHOSPHORUS		%	0.11	0.32	1

CYPERUS FLAVESCENS. FLATSEDGE. FLAVESCENS

CYPERUS FLAVESCENS FLAVESCENS. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-13-924

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	20.5	100.0	2
ORGANIC MATTER		%	18.5	90.1	2
ASH		%	2.0	10.0	2
CRUDE FIBER		%	6.8	33.3	2
ETHER EXTRACT		%	0.5	2.4	2
NITROGEN FREE EXTRACT		%	9.1	44.2	2
PROTEIN		%	2.1	10.2	2
CATTLE	DIG PROT	% *	1.3	6.6	
GOATS	DIG PROT	% *	1.2	6.1	
HORSES	DIG PROT	% *	1.3	6.2	
RABBITS	DIG PROT	% *	1.3	6.5	
SHEEP	DIG PROT	% *	1.3	6.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.49	2.41	
SHEEP	DE	MCAL/KG *	0.53	2.56	
CATTLE	ME	MCAL/KG *	0.40	1.97	
SHEEP	ME	MCAL/KG *	0.43	2.10	
CATTLE	NE-M	MCAL/KG *	0.24	1.16	
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.46	
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.16	
CATTLE	TDN	% *	11.2	54.6	
SHEEP	TDN	% *	11.9	58.1	
CALCIUM		%	0.13	0.63	2
PHOSPHORUS		%	0.07	0.33	2

CYPERUS LUZULAS. FLATSEDGE. LUZULAS

CYPERUS LUZULAS LUZULAS. AERIAL PART. FRESH. MIDBLOOM. (2)

REF NO 2-13-923

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	18.5	100.0	1
ORGANIC MATTER		%	15.5	83.9	1
ASH		%	3.0	16.1	1
CRUDE FIBER		%	5.6	30.5	1
ETHER EXTRACT		%	0.3	1.4	1
NITROGEN FREE EXTRACT		%	7.8	42.2	1
PROTEIN		%	1.8	9.8	1
CATTLE	DIG PROT	% *	1.2	6.2	
GOATS	DIG PROT	% *	1.1	5.7	
HORSES	DIG PROT	% *	1.1	5.9	
RABBITS	DIG PROT	% *	1.2	6.2	
SHEEP	DIG PROT	% *	1.1	6.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.46	2.51	
SHEEP	DE	MCAL/KG *	0.44	2.40	
CATTLE	ME	MCAL/KG *	0.38	2.06	
SHEEP	ME	MCAL/KG *	0.36	1.97	
CATTLE	NE-M	MCAL/KG *	0.22	1.21	
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.55	
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.25	
CATTLE	TDN	% *	10.5	56.9	
SHEEP	TDN	% *	10.[illegible]	54.5	
CALCIUM		%	0.08	0.43	1
PHOSPHORUS		%	0.02	0.12	1

CYPERUS SPP. FLATSEDGE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CYPERUS SPP, AERIAL PART, FRESH, (2)						
REF NO 2-11-437						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.7		
ASH		%		6.3	28	4
ETHER EXTRACT		%		2.3		3
PROTEIN		%		12.8	12	4
CATTLE	DIG PROT	% *		6.7		
GOATS	DIG PROT	% *		8.5		
HORSES	DIG PROT	% *		8.4		
RABBITS	DIG PROT	% *		8.5		
SHEEP	DIG PROT	% *		8.9		
CALCIUM		%		0.61		1
COBALT		MG/KG		0.080		1
COPPER		MG/KG		9.0		1
MANGANESE		MG/KG		133.6		1
MOLYBDENUM		MG/KG		1.14		1
PHOSPHORUS		%		0.19		1
ZINC		MG/KG		129.1		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CYPERUS SPP, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-925						
DRY MATTER		%	29.5	100.0		2
ORGANIC MATTER		%	25.0	84.9		2
ASH		%	4.3	14.7		2
CRUDE FIBER		%	9.9	33.7		2
ETHER EXTRACT		%	0.3	0.9		2
NITROGEN FREE EXTRACT		%	13.3	45.2		2
PROTEIN		%	1.7	5.7		2
CATTLE	DIG PROT	% *	0.8	2.7		
GOATS	DIG PROT	% *	0.5	1.8		
HORSES	DIG PROT	% *	0.7	2.3		
RABBITS	DIG PROT	% *	0.9	3.0		
SHEEP	DIG PROT	% *	0.7	2.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.76	2.57		
SHEEP	DE	MCAL/KG *	0.68	2.29		
CATTLE	ME	MCAL/KG *	0.62	2.10		
SHEEP	ME	MCAL/KG *	0.55	1.88		
CATTLE	NE-M	MCAL/KG *	0.37	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	0.38	1.29		
CATTLE	TDN	% *	17.1	58.2		
SHEEP	TDN	% *	15.3	52.0		
CALCIUM		%	0.10	0.35		2
PHOSPHORUS		%	0.07	0.23		2

CYPRINUS CARPIO, FISH, CARP

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CYPRINUS CARPIO CARP, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)						
REF NO 5-01-987						
DRY MATTER		%	95.3	100.0		1
ORGANIC MATTER		%	(75.9)	(79.6)		1
ASH		%	(19.4)	(20.4)		1
ETHER EXTRACT		%	(18.7)	(19.6)		1
NITROGEN FREE EXTRACT		%	(0.7)	(0.7)		1
PROTEIN		%	56.5	59.3		1

DACTYLIS GLOMERATA, ORCHARDGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DACTYLIS GLOMERATA, AERIAL PART, DEHY, (1)						
REF NO 1-17-536						
DRY MATTER		%	94.3	100.0		5
ORGANIC MATTER		%	84.4	89.5	7	5
ASH		%	9.9	10.5	7	5
CRUDE FIBER		%	26.2	27.8	24	5
ETHER EXTRACT		%	1.9	2.0	15	5
NITROGEN FREE EXTRACT		%	36.1	38.3	21	5
PROTEIN		%	20.2	21.4	4	5
CATTLE	DIG PROT	% *	14.6	15.5		
GOATS	DIG PROT	% *	15.6	16.5		
HORSES	DIG PROT	% *	14.8	15.7		
RABBITS	DIG PROT	% *	14.3	15.2		
SHEEP	DIG PROT	% *	14.9	15.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.54	2.69		
HORSES	DE	MCAL/KG *	2.09	2.22		
SHEEP	DE	MCAL/KG *	2.47	2.62		
CATTLE	ME	MCAL/KG *	2.08	2.21		
HORSES	ME	MCAL/KG *	1.71	1.82		
SHEEP	ME	MCAL/KG *	2.02	2.15		
CATTLE	NE-M	MCAL/KG *	1.23	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.65	0.69		
CATTLE	NE-LACTATION	MCAL/KG *	1.31	1.39		
CATTLE	TDN	% *	57.5	61.0		
HORSES	TDN	% *	52.8	56.0		
SHEEP	TDN	% *	56.0	59.4		
CALCIUM		%	0.46	0.49	7	5
COBALT		MG/KG	0.146	0.155	98	4
COPPER		MG/KG	9.4	9.9	27	5
IRON		%	0.026	0.028	15	5
MAGNESIUM		%	0.21	0.23	12	5
MANGANESE		MG/KG	121.6	129.0	4	5
MOLYBDENUM		MG/KG	2.94	3.12	44	4
PHOSPHORUS		%	0.61	0.65	23	5
POTASSIUM		%	2.53	2.68	17	5
SODIUM		%	0.12	0.12	78	5
ZINC		MG/KG	31.5	33.4	10	5

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DACTYLIS GLOMERATA, HAY, S-C, (1)						
REF NO 1-03-438						
DRY MATTER		%	94.4	100.0	1	5
ORGANIC MATTER		%	82.1	87.0	4	5
ASH		%	12.3	13.0	4	5
CRUDE FIBER		%	23.4	24.8	6	5
ETHER EXTRACT		%	2.8	2.9	3	5
NITROGEN FREE EXTRACT		%	37.9	40.1	3	5
PROTEIN		%	18.0	19.1	2	5
CATTLE	DIG PROT	% *	12.7	13.5		
GOATS	DIG PROT	% *	13.6	14.4		
HORSES	DIG PROT	% *	13.0	13.7		
RABBITS	DIG PROT	% *	12.7	13.4		
SHEEP	DIG PROT	% *	12.9	13.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.53	2.67		
HORSES	DE	MCAL/KG *	1.88	1.99		
SHEEP	DE	MCAL/KG *	2.43	2.57		
CATTLE	ME	MCAL/KG *	2.07	2.19		
HORSES	ME	MCAL/KG *	1.54	1.63		
SHEEP	ME	MCAL/KG *	1.99	2.11		
CATTLE	NE-M	MCAL/KG *	1.23	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.64	0.68		
CATTLE	NE-LACTATION	MCAL/KG *	1.30	1.37		
CATTLE	TDN	% *	57.3	60.7		
HORSES	TDN	% *	47.0	49.7		
SHEEP	TDN	% *	55.0	58.3		
CALCIUM		%	0.67	0.71	9	5
COBALT		MG/KG	0.113	0.120	35	5
COPPER		MG/KG	12.5	13.2		5
IRON		%	0.034	0.036	63	5
MAGNESIUM		%	0.22	0.23	9	5
MANGANESE		MG/KG	178.3	188.8	98	5
MOLYBDENUM		MG/KG	5.15	5.45	59	5
PHOSPHORUS		%	0.33	0.35	9	5
POTASSIUM		%	1.86	1.97	48	5
SODIUM		%	0.16	0.17	98	5
ZINC		MG/KG	36.9	39.1	1	5

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DACTYLIS GLOMERATA, HAY, S-C, LATE VEGETATIVE, (1)						
REF NO 1-03-424						
DRY MATTER		%	95.8	100.0		1
PROTEIN		%	24.5	25.6		1
CATTLE	DIG PROT	% *	18.3	19.1		
GOATS	DIG PROT	% *	19.6	20.4		
HORSES	DIG PROT	% *	18.5	19.3		
RABBITS	DIG PROT	% *	17.7	18.4		
SHEEP	DIG PROT	% *	18.7	19.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DACTYLIS GLOMERATA, HAY, S-C FERTILIZED, (1)						
REF NO 1-15-430						
DRY MATTER		%	92.7	100.0		1
ORGANIC MATTER		%	80.0	86.3		1
ASH		%	12.7	13.7		1
CRUDE FIBER		%	23.7	26.6		1
ETHER EXTRACT		%	2.6	2.8		1
NITROGEN FREE EXTRACT		%	35.6	38.4		1
PROTEIN		%	17.1	18.5		1
CATTLE	DIG PROT	% *	12.0	13.0		
GOATS	DIG PROT	% *	12.8	13.8		
HORSES	DIG PROT	% *	12.3	13.2		
RABBITS	DIG PROT	% *	12.0	13.0		
SHEEP	DIG PROT	% *	12.2	13.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.37	2.56		
HORSES	DE	MCAL/KG *	1.87	2.02		
SHEEP	DE	MCAL/KG *	2.30	2.49		
CATTLE	ME	MCAL/KG *	1.95	2.10		
HORSES	ME	MCAL/KG *	1.53	1.66		
SHEEP	ME	MCAL/KG *	1.89	2.04		
CATTLE	NE-M	MCAL/KG *	1.15	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.55	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	1.19	1.28		
CATTLE	TDN	% *	53.8	58.0		
HORSES	TDN	% *	46.9	50.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	TDN % *	52.2	56.4		
CALCIUM	%	0.48	0.52		1
COBALT	MG/KG	0.111	0.120		1
COPPER	MG/KG	12.2	13.2		1
IRON	%	0.074	0.080		1
MAGNESIUM	%	0.21	0.23		1
MANGANESE	MG/KG	66.2	71.4		1
MOLYBDENUM	MG/KG	1.59	1.72		1
PHOSPHORUS	%	0.36	0.39		1
POTASSIUM	%	2.22	2.39		1
SODIUM	%	0.67	0.72		1
ZINC	MG/KG	35.2	38.0		1

DACTYLIS GLOMERATA, HAY, S-C FERTILIZED, 15 TO 28 DAYS' GROWTH, (1)

REF NO 1-10-634

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CRUDE FIBER	%		28.5		3
PROTEIN	%		15.5		3
CATTLE	DIG PROT % *		10.4		
GOATS	DIG PROT % *		11.0		
HORSES	DIG PROT % *		10.7		
RABBITS	DIG PROT % *		10.6		
SHEEP	DIG PROT % *		10.5		

DACTYLIS GLOMERATA, HAY, S-C FERTILIZED, 29 TO 42 DAYS' GROWTH, (1)

REF NO 1-10-633

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CRUDE FIBER	%		27.8		3
PROTEIN	%		20.7		3
CATTLE	DIG PROT % *		14.9		
GOATS	DIG PROT % *		15.9		
HORSES	DIG PROT % *		15.1		
RABBITS	DIG PROT % *		14.7		
SHEEP	DIG PROT % *		15.1		

DACTYLIS GLOMERATA, HAY, S-C FERTILIZED, 43 TO 56 DAYS' GROWTH, (1)

REF NO 1-10-632

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CRUDE FIBER	%		26.6		2
PROTEIN	%		20.7		2
CATTLE	DIG PROT % *		14.8		
GOATS	DIG PROT % *		15.8		
HORSES	DIG PROT % *		15.1		
RABBITS	DIG PROT % *		14.6		
SHEEP	DIG PROT % *		15.1		

DACTYLIS GLOMERATA, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)

REF NO 1-10-629

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.1	100.0	1	5
ORGANIC MATTER	%	86.8	92.3		
ASH	%	7.2	7.7		1
CRUDE FIBER	%	27.7	29.4		1
ETHER EXTRACT	%	2.0	2.1		1
NITROGEN FREE EXTRACT	%	36.0	38.3		1
PROTEIN	%	21.1	22.5	33	6
CATTLE	DIG PROT % *	15.4	16.4		
GOATS	DIG PROT % *	16.5	17.5		
HORSES	DIG PROT % *	15.6	16.6		
RABBITS	DIG PROT % *	15.1	16.0		
SHEEP	DIG PROT % *	15.7	16.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.58	2.74		
HORSES	DE MCAL/KG *	2.06	2.19		
SHEEP	DE MCAL/KG *	2.52	2.68		
CATTLE	ME MCAL/KG *	2.11	2.25		
HORSES	ME MCAL/KG *	1.69	1.79		
SHEEP	ME MCAL/KG *	2.07	2.20		
CATTLE	NE-M MCAL/KG *	1.26	1.34		
CATTLE	NE-GAIN MCAL/KG *	0.69	0.73		
CATTLE	NE-LACTATION MCAL/KG *	1.34	1.42		
CATTLE	TDN % *	58.4	62.1		
HORSES	TDN % *	51.9	55.2		
SHEEP	TDN % *	57.2	60.9		

DACTYLIS GLOMERATA, AERIAL PART, FRESH, (2)

REF NO 2-03-451

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.3	100.0		2
ORGANIC MATTER	%	24.4	89.4	22	1
ASH	%	2.7	9.9	22	4
CRUDE FIBER	%	7.4	27.2	9	4
ETHER EXTRACT	%	1.1	4.0	90	4
NITROGEN FREE EXTRACT	%	13.3	48.7	13	4
PROTEIN	%	2.8	10.3	20	4
CATTLE	DIG PROT % *	1.8	6.7		
GOATS	DIG PROT % *	1.7	6.2		
HORSES	DIG PROT % *	1.7	6.3		
RABBITS	DIG PROT % *	1.8	6.7		
SHEEP	DIG PROT % *	1.8	6.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.84	3.07		
SHEEP	DE MCAL/KG *	0.74	2.70		
CATTLE	ME MCAL/KG *	0.69	2.52		
SHEEP	ME MCAL/KG *	0.60	2.21		
CATTLE	NE-M MCAL/KG *	0.42	1.54		
CATTLE	NE-GAIN MCAL/KG *	0.26	0.97		
CATTLE	NE-LACTATION MCAL/KG *	0.46	1.69		
CATTLE	TDN % *	19.0	69.7		
SHEEP	TDN % *	16.7	61.2		
CALCIUM	%	0.18	0.65		2
MAGNESIUM	%	0.04	0.15		1
PHOSPHORUS	%	0.05	0.18		2

DACTYLIS GLOMERATA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-08-476

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.9	100.0	30	10
ORGANIC MATTER	%	32.0	89.2		
ASH	%	3.9	10.8		1
CRUDE FIBER	%	9.6	26.9		1
ETHER EXTRACT	%	0.8	2.2		1
NITROGEN FREE EXTRACT	%	15.9	44.5		1
PROTEIN	%	5.6	15.7	33	10
CATTLE	DIG PROT % *	4.0	11.2		
GOATS	DIG PROT % *	4.0	11.2		
HORSES	DIG PROT % *	3.9	10.8		
RABBITS	DIG PROT % *	3.9	10.8		
SHEEP	DIG PROT % *	4.2	11.[illegible]		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.97	2.71		
SHEEP	DE MCAL/KG *	0.97	2.71		
CATTLE	ME MCAL/KG *	0.80	2.22		
SHEEP	ME MCAL/KG *	0.80	2.23		
CATTLE	NE-M MCAL/KG *	0.47	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.25	0.71		
CATTLE	NE-LACTATION MCAL/KG *	0.50	1.40		
CATTLE	TDN % *	22.1	61.5		
SHEEP	TDN % *	22.1	61.6		
CALCIUM	%	0.11	0.31		1
PHOSPHORUS	%	0.14	0.38		1

DACTYLIS GLOMERATA, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-10-489

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	12.9	100.0		1
ORGANIC MATTER	%	11.7	90.7		
ASH	%	1.2	9.3		1
CRUDE FIBER	%	3.1	24.1		1
ETHER EXTRACT	%	0.5	3.9		1
NITROGEN FREE EXTRACT	%	6.2	48.4		1
PROTEIN	%	1.8	14.3		1
CATTLE	DIG PROT % *	1.3	10.0		
GOATS	DIG PROT % *	1.3	9.9		
HORSES	DIG PROT % *	1.2	9.7		
RABBITS	DIG PROT % *	1.3	9.7		
SHEEP	DIG PROT % *	1.3	10.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.43	3.30		
SHEEP	DE MCAL/KG *	0.37	2.85		
CATTLE	ME MCAL/KG *	0.35	2.70		
SHEEP	ME MCAL/KG *	0.30	2.34		
CATTLE	NE-M MCAL/KG *	0.22	1.69		
CATTLE	NE-GAIN MCAL/KG *	0.14	1.11		
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.86		
CATTLE	TDN % *	9.6	74.8		
SHEEP	TDN % *	8.3	64.7		
CALCIUM	%	0.06	0.44		1
COPPER	MG/KG	1.2	9.6		1
IRON	%	0.006	0.043		1
MAGNESIUM	%	0.02	0.15		1
MANGANESE	MG/KG	13.4	104.0		1
PHOSPHORUS	%	0.04	0.32		1
POTASSIUM	%	0.24	1.89		1
SODIUM	%	0.01	0.09		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, EARLY BLOOM, (2)				
REF NO 2-03-442				
DRY MATTER	%	21.2	100.0	1
ORGANIC MATTER	%	18.1	85.4	
ASH	%	3.1	14.6	1
CRUDE FIBER	%	6.1	28.8	1
ETHER EXTRACT	%	0.9	4.2	1
NITROGEN FREE EXTRACT	%	8.3	39.2	1
PROTEIN	%	2.8	13.2	1
CATTLE DIG PROT	% *	1.9	9.1	
GOATS DIG PROT	% *	1.9	8.9	
HORSES DIG PROT	% *	1.9	8.7	
RABBITS DIG PROT	% *	1.9	8.9	
SHEEP DIG PROT	% *	2.0	9.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.52	2.44	
SHEEP DE	MCAL/KG *	0.56	2.62	
CATTLE ME	MCAL/KG *	0.42	2.00	
SHEEP ME	MCAL/KG *	0.46	2.15	
CATTLE NE-M	MCAL/KG *	0.25	1.18	
CATTLE NE-GAIN	MCAL/KG *	0.10	0.49	
CATTLE NE-LACTATION	MCAL/KG *	0.25	1.19	
CATTLE TDN	% *	11.7	55.3	
SHEEP TDN	% *	12.6	59.5	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)				
REF NO 2-10-485				
DRY MATTER	%	19.9	100.0	1
ORGANIC MATTER	%	17.1	86.0	
ASH	%	2.8	14.0	1
CRUDE FIBER	%	5.4	26.9	1
ETHER EXTRACT	%	0.9	4.3	1
NITROGEN FREE EXTRACT	%	7.9	39.7	1
PROTEIN	%	3.0	15.1	1
CATTLE DIG PROT	% *	2.1	10.7	
GOATS DIG PROT	% *	2.1	10.6	
HORSES DIG PROT	% *	2.1	10.3	
RABBITS DIG PROT	% *	2.1	10.3	
SHEEP DIG PROT	% *	2.2	11.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.52	2.59	
SHEEP DE	MCAL/KG *	0.54	2.71	
CATTLE ME	MCAL/KG *	0.42	2.12	
SHEEP ME	MCAL/KG *	0.44	2.22	
CATTLE NE-M	MCAL/KG *	0.25	1.26	
CATTLE NE-GAIN	MCAL/KG *	0.12	0.61	
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.31	
CATTLE TDN	% *	11.7	58.7	
SHEEP TDN	% *	12.2	61.8	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-03-443				
DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	21.9	87.4	1
ASH	%	3.2	12.6	1
CRUDE FIBER	%	6.5	25.8	1
ETHER EXTRACT	%	0.5	2.1	1
NITROGEN FREE EXTRACT	%	12.6	50.4	1
PROTEIN	%	2.3	9.1	1
CATTLE DIG PROT	% *	1.4	5.6	
GOATS DIG PROT	% *	1.3	5.1	
HORSES DIG PROT	% *	1.3	5.3	
RABBITS DIG PROT	% *	1.4	5.7	
SHEEP DIG PROT	% *	1.4	5.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.66	2.64	
SHEEP DE	MCAL/KG *	0.66	2.64	
CATTLE ME	MCAL/KG *	0.54	2.16	
SHEEP ME	MCAL/KG *	0.54	2.16	
CATTLE NE-M	MCAL/KG *	0.32	1.28	
CATTLE NE-GAIN	MCAL/KG *	0.16	0.65	
CATTLE NE-LACTATION	MCAL/KG *	0.34	1.35	
CATTLE TDN	% *	15.0	59.9	
SHEEP TDN	% *	15.0	59.9	
CALCIUM	%	0.06	0.25	1
PHOSPHORUS	%	0.05	0.19	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)				
REF NO 2-10-486				
DRY MATTER	%	28.7	100.0	1
ORGANIC MATTER	%	26.7	92.9	
ASH	%	2.0	7.1	1
CRUDE FIBER	%	7.9	27.4	1
ETHER EXTRACT	%	1.1	3.9	1
NITROGEN FREE EXTRACT	%	14.8	51.6	1
PROTEIN	%	2.9	10.0	1
CATTLE DIG PROT	% *	1.8	6.4	
GOATS DIG PROT	% *	1.7	5.9	
HORSES DIG PROT	% *	1.7	6.0	
RABBITS DIG PROT	% *	1.8	6.4	
SHEEP DIG PROT	% *	1.8	6.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.95	3.31	
SHEEP DE	MCAL/KG *	0.79	2.76	
CATTLE ME	MCAL/KG *	0.78	2.71	
SHEEP ME	MCAL/KG *	0.65	2.26	
CATTLE NE-M	MCAL/KG *	0.49	1.69	
CATTLE NE-GAIN	MCAL/KG *	0.32	1.11	
CATTLE NE-LACTATION	MCAL/KG *	0.54	1.87	
CATTLE TDN	% *	21.5	75.0	
SHEEP TDN	% *	17.9	62.5	
CALCIUM	%	0.12	0.41	1
COPPER	MG/KG	2.0	6.9	1
IRON	%	0.014	0.049	1
MAGNESIUM	%	0.04	0.15	1
MANGANESE	MG/KG	16.9	58.8	1
PHOSPHORUS	%	0.05	0.19	1
POTASSIUM	%	0.53	1.84	1
SODIUM	%	0.03	0.10	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)				
REF NO 2-10-487				
DRY MATTER	%	24.3	100.0	1
ORGANIC MATTER	%	20.3	83.6	
ASH	%	4.0	16.4	1
CRUDE FIBER	%	7.6	31.3	1
ETHER EXTRACT	%	1.0	4.0	1
NITROGEN FREE EXTRACT	%	8.7	35.7	1
PROTEIN	%	3.1	12.6	1
CATTLE DIG PROT	% *	2.1	8.6	
GOATS DIG PROT	% *	2.0	8.3	
HORSES DIG PROT	% *	2.0	8.2	
RABBITS DIG PROT	% *	2.0	8.4	
SHEEP DIG PROT	% *	2.1	8.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.51	2.11	
SHEEP DE	MCAL/KG *	0.62	2.55	
CATTLE ME	MCAL/KG *	0.42	1.73	
SHEEP ME	MCAL/KG *	0.51	2.09	
CATTLE NE-M	MCAL/KG *	0.25	1.03	
CATTLE NE-GAIN	MCAL/KG *	0.04	0.18	
CATTLE NE-LACTATION	MCAL/KG *	0.23	0.93	
CATTLE TDN	% *	11.6	47.8	
SHEEP TDN	% *	14.0	57.7	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)				
REF NO 2-10-488				
DRY MATTER	%	21.3	100.0	1
ORGANIC MATTER	%	19.0	89.3	
ASH	%	2.3	10.7	1
CRUDE FIBER	%	6.3	29.4	1
ETHER EXTRACT	%	0.9	4.0	1
NITROGEN FREE EXTRACT	%	9.0	42.2	1
PROTEIN	%	2.9	13.7	1
CATTLE DIG PROT	% *	2.0	9.5	
GOATS DIG PROT	% *	2.0	9.3	
HORSES DIG PROT	% *	2.0	9.2	
RABBITS DIG PROT	% *	2.0	9.2	
SHEEP DIG PROT	% *	2.1	9.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.58	2.72	
SHEEP DE	MCAL/KG *	0.58	2.71	
CATTLE ME	MCAL/KG *	0.48	2.23	
SHEEP ME	MCAL/KG *	0.47	2.22	
CATTLE NE-M	MCAL/KG *	0.28	1.33	
CATTLE NE-GAIN	MCAL/KG *	0.15	0.72	
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.41	
CATTLE TDN	% *	13.2	61.8	
SHEEP TDN	% *	13.1	61.5	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, AERIAL PART, FRESH, CUT 1, (2)				
REF NO 2-03-450				
DRY MATTER	%	19.2	100.0	1
ORGANIC MATTER	%	16.3	84.8	
ASH	%	2.9	15.2	1
CRUDE FIBER	%	5.3	27.5	1
ETHER EXTRACT	%	0.8	4.2	1
NITROGEN FREE EXTRACT	%	7.5	39.0	1
PROTEIN	%	2.7	14.1	1
CATTLE DIG PROT	% *	1.9	9.9	
GOATS DIG PROT	% *	1.9	9.7	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
HORSES	DIG PROT % *	1.8	9.5	
RABBITS	DIG PROT % *	1.8	9.6	
SHEEP	DIG PROT % *	1.9	10.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.47	2.44	
SHEEP	DE MCAL/KG *	0.51	2.64	
CATTLE	ME MCAL/KG *	0.38	2.00	
SHEEP	ME MCAL/KG *	0.42	2.17	
CATTLE	NE-M MCAL/KG *	0.23	1.18	
CATTLE	NE-GAIN MCAL/KG *	0.09	0.49	
CATTLE	NE-LACTATION MCAL/KG *	0.23	1.19	
CATTLE	TDN % *	10.6	55.4	
SHEEP	TDN % *	11.5	60.0	
CALCIUM	%	0.08	0.43	1
COPPER	MG/KG	2.6	13.5	1
IRON	%	0.009	0.045	1
MAGNESIUM	%	0.04	0.21	1
MANGANESE	MG/KG	11.1	57.6	1
PHOSPHORUS	%	0.05	0.24	1
POTASSIUM	%	0.34	1.75	1
SODIUM	%	0.04	0.23	1

DACTYLIS GLOMERATA, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-07-723

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	30.4	100.0	1
ORGANIC MATTER	%	28.0	92.2	
ASH	%	2.4	7.8	1
CRUDE FIBER	%	9.2	30.4	1
ETHER EXTRACT	%	1.1	3.7	1
NITROGEN FREE EXTRACT	%	15.0	49.4	1
PROTEIN	%	2.6	8.7	1
CATTLE	DIG PROT % *	1.6	5.3	
GOATS	DIG PROT % *	1.4	4.7	
HORSES	DIG PROT % *	1.5	4.9	
RABBITS	DIG PROT % *	1.6	5.4	
SHEEP	DIG PROT % *	1.6	5.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.87	2.88	
SHEEP	DE MCAL/KG *	0.81	2.65	
CATTLE	ME MCAL/KG *	0.72	2.36	
SHEEP	ME MCAL/KG *	0.66	2.17	
CATTLE	NE-M MCAL/KG *	0.43	1.42	
CATTLE	NE-GAIN MCAL/KG *	0.25	0.83	
CATTLE	NE-LACTATION MCAL/KG *	0.47	1.53	
CATTLE	TDN % *	19.8	65.3	
SHEEP	TDN % *	18.3	60.1	

DACTYLIS GLOMERATA, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-136

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		80.6	
ASH	%		19.4	1
CRUDE FIBER	%		20.6	1
ETHER EXTRACT	%		5.9	1
NITROGEN FREE EXTRACT	%		28.7	1
PROTEIN	%		25.4	1
CATTLE	DIG PROT % *		19.5	
GOATS	DIG PROT % *		20.3	
HORSES	DIG PROT % *		19.1	
RABBITS	DIG PROT % *		18.3	
SHEEP	DIG PROT % *		20.7	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		3.07	
SHEEP	ME MCAL/KG *		2.52	
SHEEP	TDN % *		69.7	

DACTYLIS GLOMERATA, ORCHARDGRASS, BLUE

DACTYLIS GLOMERATA BLUE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-194

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		80.6	
ASH	%		19.4	1
CRUDE FIBER	%		20.6	1
ETHER EXTRACT	%		5.9	1
NITROGEN FREE EXTRACT	%		28.7	1
PROTEIN	%		25.4	1
CATTLE	DIG PROT % *		19.5	
GOATS	DIG PROT % *		20.3	
HORSES	DIG PROT % *		19.1	
RABBITS	DIG PROT % *		18.3	
SHEEP	DIG PROT % *		20.7	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		3.08	
SHEEP	ME MCAL/KG *		2.52	
SHEEP	TDN % *		69.8	

DACTYLIS GLOMERATA BLUE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-195

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		83.1	
ASH	%		16.9	1
CRUDE FIBER	%		24.3	1
ETHER EXTRACT	%		5.1	1
NITROGEN FREE EXTRACT	%		33.5	1
PROTEIN	%		20.2	1
CATTLE	DIG PROT % *		15.1	
GOATS	DIG PROT % *		15.4	
HORSES	DIG PROT % *		14.7	
RABBITS	DIG PROT % *		14.3	
SHEEP	DIG PROT % *		15.8	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		2.84	
SHEEP	ME MCAL/KG *		2.33	
SHEEP	TDN % *		64.5	

DACTYLIS GLOMERATA BLUE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-196

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		78.7	
ASH	%		21.3	1
CRUDE FIBER	%		22.0	1
ETHER EXTRACT	%		5.0	1
NITROGEN FREE EXTRACT	%		35.3	1
PROTEIN	%		16.4	1
CATTLE	DIG PROT % *		11.9	
GOATS	DIG PROT % *		11.9	
HORSES	DIG PROT % *		11.5	
RABBITS	DIG PROT % *		11.4	
SHEEP	DIG PROT % *		12.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.00	
SHEEP	DE MCAL/KG *		2.63	
CATTLE	ME MCAL/KG *		1.64	
SHEEP	ME MCAL/KG *		2.16	
CATTLE	NE-M MCAL/KG *		0.98	
CATTLE	NE-GAIN MCAL/KG *		0.07	
CATTLE	NE-LACTATION MCAL/KG *		0.85	
CATTLE	TDN % *		45.3	
SHEEP	TDN % *		59.7	

DACTYLIS GLOMERATA, TRIFOLIUM PRATENSE, ORCHARDGRASS-CLOVER, RED

DACTYLIS GLOMERATA, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-197

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		81.5	
ASH	%		18.5	1
CRUDE FIBER	%		17.5	1
ETHER EXTRACT	%		5.3	1
NITROGEN FREE EXTRACT	%		29.9	1
PROTEIN	%		28.9	1
CATTLE	DIG PROT % *		22.5	
GOATS	DIG PROT % *		23.5	
HORSES	DIG PROT % *		22.1	
RABBITS	DIG PROT % *		21.0	
SHEEP	DIG PROT % *		23.9	

DACTYLIS GLOMERATA, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-198

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		85.7	
ASH	%		14.3	1
CRUDE FIBER	%		21.3	1
ETHER EXTRACT	%		5.3	1
NITROGEN FREE EXTRACT	%		36.2	1
PROTEIN	%		22.9	1
CATTLE	DIG PROT % *		17.3	
GOATS	DIG PROT % *		17.9	
HORSES	DIG PROT % *		16.9	
RABBITS	DIG PROT % *		16.3	
SHEEP	DIG PROT % *		18.3	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		3.04	
SHEEP	ME MCAL/KG *		2.49	
SHEEP	TDN % *		69.0	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DACTYLIS GLOMERATA, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-10-199					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		78.5	
ASH		%		21.5	1
CRUDE FIBER		%		22.6	1
ETHER EXTRACT		%		4.1	1
NITROGEN FREE EXTRACT		%		33.0	1
PROTEIN		%		18.9	1
CATTLE	DIG PROT	% *		13.9	
GOATS	DIG PROT	% *		14.2	
HORSES	DIG PROT	% *		13.6	
RABBITS	DIG PROT	% *		13.3	
SHEEP	DIG PROT	% *		14.6	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		2.61	
SHEEP	ME	MCAL/KG *		2.14	
SHEEP	TDN	% *		59.1	
DACTYLIS GLOMERATA, TRIFOLIUM PRATENSE, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-10-138					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		81.5	
ASH		%		18.5	1
CRUDE FIBER		%		17.5	1
ETHER EXTRACT		%		5.3	1
NITROGEN FREE EXTRACT		%		30.0	1
PROTEIN		%		28.8	1
CATTLE	DIG PROT	% *		22.4	
GOATS	DIG PROT	% *		23.4	
HORSES	DIG PROT	% *		22.0	
RABBITS	DIG PROT	% *		20.9	
SHEEP	DIG PROT	% *		23.8	
DACTYLOCTENIUM AEGYPTIUM, CROWFOOTGRASS, DURBAN					
DACTYLOCTENIUM AEGYPTIUM DURBAN, AERIAL PART, FRESH, LATE BLOOM, (2)					
REF NO 2-13-275					
DRY MATTER		%	22.6	100.0	1
ORGANIC MATTER		%	20.9	92.6	
ASH		%	1.7	7.4	1
CRUDE FIBER		%	6.5	28.9	1
ETHER EXTRACT		%	0.4	1.7	1
NITROGEN FREE EXTRACT		%	12.3	54.6	1
PROTEIN		%	1.7	7.4	1
CATTLE	DIG PROT	% *	0.9	4.2	
GOATS	DIG PROT	% *	0.8	3.5	
HORSES	DIG PROT	% *	0.9	3.8	
RABBITS	DIG PROT	% *	1.0	4.4	
SHEEP	DIG PROT	% *	0.9	3.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.59	2.61	
SHEEP	DE	MCAL/KG *	0.60	2.68	
CATTLE	ME	MCAL/KG *	0.48	2.14	
SHEEP	ME	MCAL/KG *	0.50	2.19	
CATTLE	NE-M	MCAL/KG *	0.29	1.27	
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.63	
CATTLE	NE-LACTATION	MCAL/KG *	0.30	1.33	
CATTLE	TDN	% *	13.4	59.3	
SHEEP	TDN	% *	13.7	60.7	
CALCIUM		%	0.12	0.52	1
PHOSPHORUS		%	0.04	0.16	1
DALEA PHYMATODES					
DALEA PHYMATODES PHYMATODES, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-15-429					
DRY MATTER		%	39.3	100.0	2
ORGANIC MATTER		%	35.6	90.8	2
ASH		%	3.6	9.2	2
CRUDE FIBER		%	15.5	39.5	2
ETHER EXTRACT		%	0.9	2.2	2
NITROGEN FREE EXTRACT		%	14.9	38.0	2
PROTEIN		%	4.4	11.2	2
CATTLE	DIG PROT	% *	2.9	7.4	
GOATS	DIG PROT	% *	2.7	7.0	
HORSES	DIG PROT	% *	2.7	7.0	
RABBITS	DIG PROT	% *	2.9	7.3	
SHEEP	DIG PROT	% *	2.9	7.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.90	2.30	
SHEEP	DE	MCAL/KG *	0.99	2.52	
CATTLE	ME	MCAL/KG *	0.74	1.89	
SHEEP	ME	MCAL/KG *	0.81	2.07	
CATTLE	NE-M	MCAL/KG *	0.44	1.11	
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.37	
CATTLE	NE-LACTATION	MCAL/KG *	0.43	1.08	
CATTLE	TDN	% *	20.5	52.2	
SHEEP	TDN	% *	22.4	57.2	
CALCIUM		%	0.30	0.76	2
PHOSPHORUS		%	0.07	0.18	2
DAUCUS CAROTA, CARROT, WILD					
DAUCUS CAROTA WILD, LEAVES, FRESH, (2)					
REF NO 2-15-421					
DRY MATTER		%	20.5	100.0	1
ORGANIC MATTER		%	18.4	89.8	
ASH		%	2.1	10.2	1
CRUDE FIBER		%	2.5	12.2	1
ETHER EXTRACT		%	0.2	1.0	1
NITROGEN FREE EXTRACT		%	11.5	56.1	
PROTEIN		%	4.2	20.5	1
CATTLE	DIG PROT	% *	3.1	15.3	
GOATS	DIG PROT	% *	3.2	15.7	
HORSES	DIG PROT	% *	3.1	14.9	
RABBITS	DIG PROT	% *	3.0	14.5	
SHEEP	DIG PROT	% *	3.3	16.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.60	2.94	
SHEEP	DE	MCAL/KG *	0.66	3.23	
CATTLE	ME	MCAL/KG *	0.49	2.41	
SHEEP	ME	MCAL/KG *	0.54	2.65	
CATTLE	NE-M	MCAL/KG *	0.30	1.45	
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.87	
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.58	
CATTLE	TDN	% *	13.7	66.6	
SHEEP	TDN	% *	15.0	73.3	
CALCIUM		%	0.03	0.15	1
IRON		%	0.015	0.073	1
PHOSPHORUS		%	0.10	0.49	1
ASCORBIC ACID		MG/KG	106.5	519.5	1
NIACIN		MG/KG	14.5	70.7	1
RIBOFLAVIN		MG/KG	8.1	39.5	1
THIAMINE		MG/KG	1.8	8.8	1
DAUCUS CAROTA WILD, ROOTS, DRY, (4)					
REF NO 4-11-656					
DRY MATTER		%	76.0	100.0	2
ORGANIC MATTER		%	68.3	90.0	
ASH		%	7.6	10.1	2
CRUDE FIBER		%	7.1	9.4	2
ETHER EXTRACT		%	3.7	4.9	2
NITROGEN FREE EXTRACT		%	48.4	63.8	2
PROTEIN		%	9.0	11.9	2
CATTLE	DIG PROT	% *	5.3	6.9	
GOATS	DIG PROT	% *	6.2	8.1	
HORSES	DIG PROT	% *	6.2	8.1	
SHEEP	DIG PROT	% *	6.2	8.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.83	2.41	
SHEEP	DE	MCAL/KG *	2.42	3.19	
SWINE	DE	KCAL/KG *	2425.	3192.	
CATTLE	ME	MCAL/KG *	1.50	1.98	
SHEEP	ME	MCAL/KG *	1.99	2.61	
SWINE	ME	KCAL/KG *	2269.	2988.	
CATTLE	NE-M	MCAL/KG *	0.88	1.16	
CATTLE	NE-GAIN	MCAL/KG *	0.35	0.46	
CATTLE	NE-LACTATION	MCAL/KG *	0.89	1.17	
CATTLE	TDN	% *	41.5	54.7	
SHEEP	TDN	% *	54.9	72.3	
SWINE	TDN	% *	55.0	72.4	
CALCIUM		%	0.56	0.74	2
PHOSPHORUS		%	0.30	0.40	2
DAUCUS CAROTA WILD, ROOTS NO PEELINGS, COOKED, (4)					
REF NO 4-15-420					
DRY MATTER		%	12.0	100.0	1
ORGANIC MATTER		%	11.1	92.5	
ASH		%	0.9	7.5	1
CRUDE FIBER		%	0.7	5.8	1
ETHER EXTRACT		%	0.6	5.0	1
NITROGEN FREE EXTRACT		%	8.7	72.5	
PROTEIN		%	1.1	9.2	1
CATTLE	DIG PROT	% *	0.5	4.4	
GOATS	DIG PROT	% *	0.7	5.6	
HORSES	DIG PROT	% *	0.7	5.6	
SHEEP	DIG PROT	% *	0.7	5.6	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.33	2.74		
SHEEP	DE MCAL/KG *	0.41	3.46		
SWINE	DE KCAL/KG *	418.	3484.		
CATTLE	ME MCAL/KG *	0.27	2.25		
SHEEP	ME MCAL/KG *	0.34	2.84		
SWINE	ME KCAL/KG *	394.	3280.		
CATTLE	NE-M MCAL/KG *	0.16	1.34		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.73		
CATTLE	NE-LACTATION MCAL/KG *	0.17	1.43		
CATTLE	TDN % *	7.5	62.2		
SHEEP	TDN % *	9.4	78.4		
SWINE	TDN % *	9.5	79.0		
IRON	%	0.002	0.017		1
PHOSPHORUS	%	0.04	0.33		1
ASCORBIC ACID	MG/KG	6.2	51.3		1
NIACIN	MG/KG	29.3	244.2		1
RIBOFLAVIN	MG/KG	0.4	3.3		1
THIAMINE	MG/KG	0.6	5.0		1
VITAMIN A EQUIV	IU/G	0.2	1.4		

DAUCUS CAROTA WILD, ROOTS NO PEELINGS, FRESH, (4)

REF NO 4-13-379

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	10.2	100.0		2
ORGANIC MATTER	%	9.5	94.1		
ASH	%	0.6	5.9		2
CRUDE FIBER	%	1.0	10.3		2
ETHER EXTRACT	%	0.1	1.0		2
NITROGEN FREE EXTRACT	%	7.6	75.3		
PROTEIN	%	0.8	7.4		2
CATTLE	DIG PROT % *	0.3	2.9		
GOATS	DIG PROT % *	0.4	4.1		
HORSES	DIG PROT % *	0.4	4.1		
SHEEP	DIG PROT % *	0.4	4.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.29	2.85		
SHEEP	DE MCAL/KG *	0.36	3.51		
SWINE	DE KCAL/KG *	357.	3518.		
CATTLE	ME MCAL/KG *	0.24	2.33		
SHEEP	ME MCAL/KG *	0.29	2.88		
SWINE	ME KCAL/KG *	337.	3325.		
CATTLE	NE-M MCAL/KG *	0.14	1.40		
CATTLE	NE-GAIN MCAL/KG *	0.08	0.81		
CATTLE	NE-LACTATION MCAL/KG *	0.15	1.51		
CATTLE	TDN % *	6.5	64.5		
SHEEP	TDN % *	8.1	79.6		
SWINE	TDN % *	8.1	79.8		
CALCIUM	%	0.03	0.30		2
IRON	%	0.001	0.010		1
PHOSPHORUS	%	0.03	0.30		2
ASCORBIC ACID	MG/KG	46.5	458.0		2
NIACIN	MG/KG	9.8	96.7		2
RIBOFLAVIN	MG/KG	0.8	7.4		2
THIAMINE	MG/KG	0.4	3.9		2
VITAMIN A EQUIV	IU/G	(81.0)	(798.3)		

DAUCUS SPP, CARROT

DAUCUS SPP, ROOTS, FRESH, (4)

REF NO 4-01-145

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(11.9)	(100.0)		3
ORGANIC MATTER	%	10.9	91.6		
ASH	%	1.0	8.4		2
CRUDE FIBER	%	1.1	8.9		2
SHEEP	DIG COEF %	100.	100.		1
ETHER EXTRACT	%	0.2	1.7		2
SHEEP	DIG COEF %	77.	77.		1
NITROGEN FREE EXTRACT	%	8.5	71.3		2
SHEEP	DIG COEF % *	97.	97.		
PROTEIN	%	1.2	9.7		2
SHEEP	DIG COEF %	73.	73.		1
CATTLE	DIG PROT % *	0.6	4.9		
GOATS	DIG PROT % *	0.7	6.1		
HORSES	DIG PROT % *	0.7	6.1		
SHEEP	DIG PROT %	0.8	7.1		
ENERGY	GE KCAL/KG	422.	3559.		1
CATTLE	DE MCAL/KG *	0.29	2.47		
SHEEP	DE MCAL/KG *	0.46	3.88		
SWINE	DE KCAL/KG *	396.	3336.		
CATTLE	ME MCAL/KG *	0.24	2.02		
SHEEP	ME MCAL/KG *	0.38	3.18		
SWINE	ME KCAL/KG *	372.	3137.		
CATTLE	NE-M MCAL/KG *	0.14	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.06	0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.14	1.21		
CATTLE	TDN % *	6.6	55.9		
SHEEP	TDN % *	10.4	88.0		
SWINE	TDN % *	(9.0)	(75.7)		
CALCIUM	%	(0.04)	(0.37)		2
CHLORINE	%	(0.06)	(0.50)		1
COPPER	MG/KG	(1.3)	(11.1)		1
IRON	%	(0.001)	(0.011)		2
MAGNESIUM	%	(0.02)	(0.17)		1
MANGANESE	MG/KG	(3.7)	(31.5)		1
PHOSPHORUS	%	(0.04)	(0.32)		2
POTASSIUM	%	(0.30)	(2.50)		2
SODIUM	%	(0.12)	(1.00)		2
SULPHUR	%	(0.02)	(0.17)		1
ASCORBIC ACID	MG/KG	(80.5)	(678.0)		1
NIACIN	MG/KG	(6.0)	(50.8)		1
RIBOFLAVIN	MG/KG	(0.5)	(4.2)		1
THIAMINE	MG/KG	(0.6)	(5.1)		1
VITAMIN A	IU/G	110.6	932.2		1

DEFLUORINATED PHOSPHATE (CFA)
=SEE ROCK PHOSPHATE, DEFLUORINATED GRND, MX 1 PART FLUORINE PER 100 PARTS PHOSPHORUS, (6)

DEHYDRATED ALFALFA LEAF MEAL (AAFCO)
=SEE MEDICAGO SATIVA, LEAVES, DEHY GRND, (1)

DEHYDRATED ALFALFA MEAL (AAFCO)
=SEE MEDICAGO SATIVA, AERIAL PART, DEHY GRND, (1)

DEHYDRATED CORN PLANT (AAFCO)
=SEE ZEA MAYS, AERIAL PART, DEHY, (1)

DELONIX REGIA, FLAMBOYANTTREE

DELONIX REGIA, SEEDS, (4)

REF NO 4-13-688

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.8		
ASH	%		5.2		1
CRUDE FIBER	%		24.2		1
ETHER EXTRACT	%		1.5		1
NITROGEN FREE EXTRACT	%		50.3		1
PROTEIN	%		18.8		1
CATTLE	DIG PROT % *		13.3		
GOATS	DIG PROT % *		14.5		
HORSES	DIG PROT % *		14.5		
SHEEP	DIG PROT % *		14.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.17		
SHEEP	DE MCAL/KG *		2.99		
SWINE	DE KCAL/KG *		1488.		
CATTLE	ME MCAL/KG *		1.78		
SHEEP	ME MCAL/KG *		2.45		
SWINE	ME KCAL/KG *		1372.		
CATTLE	NE-M MCAL/KG *		1.06		
CATTLE	NE-GAIN MCAL/KG *		0.25		
CATTLE	NE-LACTATION MCAL/KG *		0.98		
CATTLE	TDN % *		49.3		
SHEEP	TDN % *		67.7		
SWINE	TDN % *		33.8		

DESMANTHUS SPP, BUNDLEFLOWER

DESMANTHUS SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-977

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.6	100.0		1
ORGANIC MATTER	%	22.8	92.7		1
ASH	%	1.8	7.3		1
CRUDE FIBER	%	8.6	35.1		1
ETHER EXTRACT	%	0.5	1.9		1
NITROGEN FREE EXTRACT	%	9.5	38.7		1
PROTEIN	%	4.2	17.0		1
CATTLE	DIG PROT % *	3.0	12.3		
GOATS	DIG PROT % *	3.1	12.4		
HORSES	DIG PROT % *	2.9	12.0		
RABBITS	DIG PROT % *	2.9	11.8		
SHEEP	DIG PROT % *	3.2	12.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.66	2.69		
SHEEP	DE MCAL/KG *	0.66	2.67		
CATTLE	ME MCAL/KG *	0.54	2.20		
SHEEP	ME MCAL/KG *	0.54	2.19		
CATTLE	NE-M MCAL/KG *	0.32	1.31		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.69		
CATTLE	NE-LACTATION MCAL/KG *	0.34	1.38		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CATTLE		TDN % *	15.0	60.9	
SHEEP		TDN % *	14.9	60.6	
CALCIUM		%	0.44	1.80	1
PHOSPHORUS		%	0.06	0.23	1

DESMANTHUS VIRGATUS, BUNDLEFLOWER, RAYADO

DESMANTHUS VIRGATUS RAYADO, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-974

DRY MATTER		%	36.6	100.0	3
ORGANIC MATTER		%	34.6	94.6	3
ASH		%	2.0	5.5	3
CRUDE FIBER		%	14.0	38.2	3
ETHER EXTRACT		%	0.7	1.9	3
NITROGEN FREE EXTRACT		%	14.8	40.5	3
PROTEIN		%	5.1	13.9	3
CATTLE	DIG PROT	% *	3.5	9.7	
GOATS	DIG PROT	% *	3.5	9.5	
HORSES	DIG PROT	% *	3.4	9.3	
RABBITS	DIG PROT	% *	3.4	9.4	
SHEEP	DIG PROT	% *	3.6	9.9	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.92	2.51	
SHEEP	DE MCAL/KG	*	0.96	2.63	
CATTLE	ME MCAL/KG	*	0.75	2.06	
SHEEP	ME MCAL/KG	*	0.79	2.15	
CATTLE	NE-M MCAL/KG	*	0.44	1.21	
CATTLE	NE-GAIN MCAL/KG	*	0.20	0.55	
CATTLE	NE-LACTATION MCAL/KG	*	0.46	1.24	
CATTLE	TDN %	*	20.8	56.9	
SHEEP	TDN %	*	21.8	59.6	
CALCIUM		%	0.31	0.84	3
PHOSPHORUS		%	0.11	0.30	3

DESMANTHUS VIRGATUS RAYADO, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-975

DRY MATTER		%	30.0	100.0	2
ORGANIC MATTER		%	27.5	91.7	2
ASH		%	2.5	8.5	2
CRUDE FIBER		%	9.7	32.3	2
ETHER EXTRACT		%	0.9	2.9	2
NITROGEN FREE EXTRACT		%	11.3	37.5	2
PROTEIN		%	5.7	19.0	2
CATTLE	DIG PROT	% *	4.2	14.0	
GOATS	DIG PROT	% *	4.3	14.2	
HORSES	DIG PROT	% *	4.1	13.6	
RABBITS	DIG PROT	% *	4.0	13.3	
SHEEP	DIG PROT	% *	4.4	14.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.80	2.68	
SHEEP	DE MCAL/KG	*	0.83	2.77	
CATTLE	ME MCAL/KG	*	0.66	2.20	
SHEEP	ME MCAL/KG	*	0.68	2.27	
CATTLE	NE-M MCAL/KG	*	0.39	1.30	
CATTLE	NE-GAIN MCAL/KG	*	0.21	0.68	
CATTLE	NE-LACTATION MCAL/KG	*	0.41	1.38	
CATTLE	TDN %	*	18.2	60.7	
SHEIP	TDN %	*	18.8	62.7	
CALCIUM		%	0.57	1.92	2
PHOSPHORUS		%	0.07	0.23	2

DESMANTHUS VIRGATUS RAYADO, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-13-976

DRY MATTER		%	33.3	100.0	1
ORGANIC MATTER		%	31.2	93.7	1
ASH		%	2.1	6.3	1
CRUDE FIBER		%	11.2	33.6	1
ETHER EXTRACT		%	0.5	1.6	1
NITROGEN FREE EXTRACT		%	13.3	39.9	1
PROTEIN		%	6.2	18.6	1
CATTLE	DIG PROT	% *	4.6	13.7	
GOATS	DIG PROT	% *	4.6	13.9	
HORSES	DIG PROT	% *	4.4	13.3	
RABBITS	DIG PROT	% *	4.3	13.0	
SHEEP	DIG PROT	% *	4.8	14.3	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.93	2.79	
SHEEP	DE MCAL/KG	*	0.90	2.71	
CATTLE	ME MCAL/KG	*	0.76	2.29	
SHEEP	ME MCAL/KG	*	0.74	2.23	
CATTLE	NE-M MCAL/KG	*	0.46	1.37	
CATTLE	NE-GAIN MCAL/KG	*	0.26	0.77	
CATTLE	NE-LACTATION MCAL/KG	*	0.49	1.47	
CATTLE	TDN %	*	21.1	63.3	
SHEEP	TDN %	*	20.5	61.6	
CALCIUM		%	0.29	0.87	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
PHOSPHORUS		%	0.09	0.28	1

DESMODIUM ADCENDENS, TICKCLOVER, ADCENDENS

DESMODIUM ADCENDENS ADCENDENS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-991

DRY MATTER		%	25.0	100.0	1
ORGANIC MATTER		%	23.0	91.9	1
ASH		%	2.0	8.1	1
CRUDE FIBER		%	8.7	34.8	1
ETHER EXTRACT		%	0.7	2.7	1
NITROGEN FREE EXTRACT		%	9.9	39.7	1
PROTEIN		%	3.7	14.7	1
CATTLE	DIG PROT	% *	2.6	10.4	
GOATS	DIG PROT	% *	2.6	10.3	
HORSES	DIG PROT	% *	2.5	10.0	
RABBITS	DIG PROT	% *	2.5	10.0	
SHEEP	DIG PROT	% *	2.7	10.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.63	2.52	
SHEEP	DE MCAL/KG	*	0.67	2.67	
CATTLE	ME MCAL/KG	*	0.52	2.06	
SHEEP	ME MCAL/KG	*	0.55	2.19	
CATTLE	NE-M MCAL/KG	*	0.30	1.22	
CATTLE	NE-GAIN MCAL/KG	*	0.14	0.56	
CATTLE	NE-LACTATION MCAL/KG	*	0.31	1.25	
CATTLE	TDN %	*	14.3	57.1	
SHEEP	TDN %	*	15.1	60.5	
CALCIUM		%	0.23	0.92	1
PHOSPHORUS		%	0.03	0.13	1

DESMODIUM BARBATUM, TICKCLOVER, BARBATUM

DESMODIUM BARBATUM BARBATUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-992

DRY MATTER		%	32.0	100.0	1
ORGANIC MATTER		%	30.0	93.6	1
ASH		%	2.0	6.4	1
CRUDE FIBER		%	12.3	38.3	1
ETHER EXTRACT		%	0.7	2.1	1
NITROGEN FREE EXTRACT		%	12.8	39.9	1
PROTEIN		%	4.3	13.3	1
CATTLE	DIG PROT	% *	2.9	9.2	
GOATS	DIG PROT	% *	2.9	9.0	
HORSES	DIG PROT	% *	2.8	8.8	
RABBITS	DIG PROT	% *	2.9	8.9	
SHEEP	DIG PROT	% *	3.0	9.4	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.79	2.45	
SHEEP	DE MCAL/KG	*	0.84	2.61	
CATTLE	ME MCAL/KG	*	0.64	2.01	
SHEEP	ME MCAL/KG	*	0.68	2.14	
CATTLE	NE-M MCAL/KG	*	0.38	1.19	
CATTLE	NE-GAIN MCAL/KG	*	0.16	0.50	
CATTLE	NE-LACTATION MCAL/KG	*	0.38	1.20	
CATTLE	TDN %	*	17.8	55.6	
SHEEP	TDN %	*	18.9	59.2	
CALCIUM		%	0.28	0.88	1
PHOSPHORUS		%	0.04	0.13	1

DESMODIUM BARBATUM BARBATUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-993

DRY MATTER		%	25.0	100.0	1
ORGANIC MATTER		%	23.9	95.5	1
ASH		%	1.1	4.5	1
CRUDE FIBER		%	7.8	31.0	1
ETHER EXTRACT		%	1.1	4.5	1
NITROGEN FREE EXTRACT		%	12.1	48.3	1
PROTEIN		%	2.9	11.7	1
CATTLE	DIG PROT	% *	2.0	7.8	
GOATS	DIG PROT	% *	1.9	7.5	
HORSES	DIG PROT	% *	1.9	7.5	
RABBITS	DIG PROT	% *	1.9	7.7	
SHEEP	DIG PROT	% *	2.0	7.9	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.84	3.35	
SHEEP	DE MCAL/KG	*	0.69	2.77	
CATTLE	ME MCAL/KG	*	0.69	2.75	
SHEEP	ME MCAL/KG	*	0.57	2.27	
CATTLE	NE-M MCAL/KG	*	0.43	1.72	
CATTLE	NE-GAIN MCAL/KG	*	0.28	1.14	
CATTLE	NE-LACTATION MCAL/KG	*	0.48	1.90	
CATTLE	TDN %	*	19.0	76.0	
SHEEP	TDN %	*	15.7	62.8	
CALCIUM		%	0.36	1.43	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
PHOSPHORUS	%	0.07	0.29	1

DESMODIUM BATOCAULIS, TICKCLOVER, BATOCAULIS

DESMODIUM BATOCAULIS BATOCAULIS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-994

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	24.6	100.0	1
ORGANIC MATTER	%	22.0	89.5	1
ASH	%	2.6	10.5	1
CRUDE FIBER	%	8.9	36.1	1
ETHER EXTRACT	%	0.6	2.4	1
NITROGEN FREE EXTRACT	%	8.6	34.9	1
PROTEIN	%	4.0	16.1	1
CATTLE DIG PROT	% *	2.8	11.6	
GOATS DIG PROT	% *	2.8	11.6	
HORSES DIG PROT	% *	2.8	11.2	
RABBITS DIG PROT	% *	2.7	11.1	
SHEEP DIG PROT	% *	3.0	12.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.62	2.52	
SHEEP DE	MCAL/KG *	0.64	2.62	
CATTLE ME	MCAL/KG *	0.51	2.07	
SHEEP ME	MCAL/KG *	0.53	2.15	
CATTLE NE-M	MCAL/KG *	0.30	1.22	
CATTLE NE-GAIN	MCAL/KG *	0.14	0.56	
CATTLE NE-LACTATION	MCAL/KG *	0.31	1.25	
CATTLE TDN	% *	14.1	57.1	
SHEEP TDN	% *	14.6	59.4	
CALCIUM	%	0.34	1.37	1
PHOSPHORUS	%	0.09	0.36	1

DESMODIUM CANUM, TICKCLOVER, CANUM

DESMODIUM CANUM CANUM, AERIAL PART, FRESH, (2)

REF NO 2-11-652

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.9	
ASH	%		9.1	1
CRUDE FIBER	%		24.4	1
ETHER EXTRACT	%		1.4	1
NITROGEN FREE EXTRACT	%		52.8	1
PROTEIN	%		12.3	1
CATTLE DIG PROT	% *		8.3	
GOATS DIG PROT	% *		8.0	
HORSES DIG PROT	% *		8.0	
RABBITS DIG PROT	% *		8.2	
SHEEP DIG PROT	% *		8.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.81	
SHEEP DE	MCAL/KG *		2.79	
CATTLE ME	MCAL/KG *		2.31	
SHEEP ME	MCAL/KG *		2.29	
CATTLE NE-M	MCAL/KG *		1.38	
CATTLE NE-GAIN	MCAL/KG *		0.79	
CATTLE NE-LACTATION	MCAL/KG *		1.48	
CATTLE TDN	% *		63.8	
SHEEP TDN	% *		63.4	
CALCIUM	%		0.10	1
PHOSPHORUS	%		0.07	1

DESMODIUM CANUM CANUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-996

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	16.9	100.0	1
ORGANIC MATTER	%	14.5	85.6	1
ASH	%	2.4	14.4	1
CRUDE FIBER	%	5.6	33.4	1
ETHER EXTRACT	%	0.5	2.7	1
NITROGEN FREE EXTRACT.	%	5.3	31.5	1
PROTEIN	%	3.0	18.0	1
CATTLE DIG PROT	% *	2.2	13.2	
GOATS DIG PROT	% *	2.3	13.4	
HORSES DIG PROT	% *	2.2	12.8	
RABBITS DIG PROT	% *	2.1	12.6	
SHEEP DIG PROT	% *	2.3	13.8	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	0.44	2.60	
SHEEP ME	MCAL/KG *	0.36	2.13	
SHEEP TDN	% *	10.0	59.0	
CALCIUM	%	0.25	1.48	1
PHOSPHORUS	%	0.03	0.18	1

DESMODIUM COMPYLOCLADOS, TICKCLOVER, COMPYLOCLADOS

DESMODIUM COMPYLOCLADOS COMPYLOCLADOS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-997

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	25.8	100.0	1
ORGANIC MATTER	%	22.5	89.7	1
ASH	%	2.6	10.3	1
CRUDE FIBER	%	7.4	29.5	1
ETHER EXTRACT	%	0.7	2.9	1
NITROGEN FREE EXTRACT	%	9.3	36.9	1
PROTEIN	%	5.1	20.4	1
CATTLE DIG PROT	% *	3.8	15.2	
GOATS DIG PROT	% *	3.9	15.6	
HORSES DIG PROT	% *	3.7	14.8	
RABBITS DIG PROT	% *	3.6	14.4	
SHEEP DIG PROT	% *	4.0	16.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.67	2.67	
SHEEP DE	MCAL/KG *	0.70	2.77	
CATTLE ME	MCAL/KG *	0.55	2.19	
SHEEP ME	MCAL/KG *	0.57	2.27	
CATTLE NE-M	MCAL/KG *	0.33	1.30	
CATTLE NE-GAIN	MCAL/KG *	0.17	0.68	
CATTLE NE-LACTATION	MCAL/KG *	0.34	1.37	
CATTLE TDN	% *	15.2	60.6	
SHEEP TDN	% *	15.8	62.9	
CALCIUM	%	0.36	1.42	1
PHOSPHORUS	%	0.08	0.30	1

DESMODIUM DISCOLOR, TICKCLOVER, DISCOLOR

DESMODIUM DISCOLOR DISCOLOR, HAY, S-C, (1)

REF NO 1-11-655

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.2	
ASH	%		9.8	1
CRUDE FIBER	%		22.8	1
ETHER EXTRACT	%		4.5	1
NITROGEN FREE EXTRACT	%		43.8	1
PROTEIN	%		19.1	1
CATTLE DIG PROT	% *		13.5	
GOATS DIG PROT	% *		14.4	
HORSES DIG PROT	% *		13.7	
RABBITS DIG PROT	% *		13.4	
SHEEP DIG PROT	% *		13.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.82	
HORSES DE	MCAL/KG *		1.46	
SHEEP DE	MCAL/KG *		2.76	
CATTLE ME	MCAL/KG *		2.31	
HORSES ME	MCAL/KG *		1.20	
SHEEP ME	MCAL/KG *		2.26	
CATTLE NE-M	MCAL/KG *		1.38	
CATTLE NE-GAIN	MCAL/KG *		0.79	
CATTLE NE-LACTATION	MCAL/KG *		1.48	
CATTLE TDN	% *		63.9	
HORSES TDN	% *		35.3	
SHEEP TDN	% *		62.5	

DESMODIUM DISTORTUM, TICKCLOVER, DISTORTUM

DESMODIUM DISTORTUM DISTORTUM, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-998

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.8	1
ASH	%		10.2	1
CRUDE FIBER	%		31.1	1
ETHER EXTRACT	%		2.4	1
NITROGEN FREE EXTRACT	%		37.5	1
PROTEIN	%		18.8	1
CATTLE DIG PROT	% *		13.9	
GOATS DIG PROT	% *		14.1	
HORSES DIG PROT	% *		13.5	
RABBITS DIG PROT	% *		13.2	
SHEEP DIG PROT	% *		14.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.66	
SHEEP DE	MCAL/KG *		2.70	
CATTLE ME	MCAL/KG *		2.19	
SHEEP ME	MCAL/KG *		2.22	
CATTLE NE-M	MCAL/KG *		1.30	
CATTLE NE-GAIN	MCAL/KG *		0.67	
CATTLE NE-LACTATION	MCAL/KG *		1.37	
CATTLE TDN	% *		60.4	
SHEEP TDN	% *		61.3	
CALCIUM	%		1.24	1
PHOSPHORUS	%		0.34	1

DESMODIUM INTORTUM, TICKCLOVER, INTORTUM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DESMODIUM INTORTUM INTORTUM, AERIAL PART, DEHY, (1)					
REF NO 1-11-653					
DRY MATTER		%	95.7	100.0	3
ORGANIC MATTER		%	88.3	92.2	3
ASH		%	7.4	7.8	3
CRUDE FIBER		%	19.7	20.5	3
ETHER EXTRACT		%	3.1	3.2	3
NITROGEN FREE EXTRACT		%	49.2	51.4	3
PROTEIN		%	16.3	17.1	3
CATTLE	DIG PROT	% *	11.2	11.7	
GOATS	DIG PROT	% *	12.0	12.5	
HORSES	DIG PROT	% *	11.5	12.0	
RABBITS	DIG PROT	% *	11.3	11.8	
SHEEP	DIG PROT	% *	11.4	11.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.85	2.98	
HORSES	DE	MCAL/KG *	1.79	1.87	
SHEEP	DE	MCAL/KG *	2.71	2.83	
CATTLE	ME	MCAL/KG *	2.34	2.44	
HORSES	ME	MCAL/KG *	1.47	1.53	
SHEEP	ME	MCAL/KG *	2.22	2.32	
CATTLE	NE-M	MCAL/KG *	1.41	1.48	
CATTLE	NE-GAIN	MCAL/KG *	0.86	0.90	
CATTLE	NE-LACTATION	MCAL/KG *	1.54	1.61	
CATTLE	TDN	% *	64.7	67.5	
HORSES	TDN	% *	44.5	46.5	
SHEEP	TDN	% *	61.5	64.2	
CALCIUM		%	1.27	1.33	3
IRON		%	0.043	0.045	3
PHOSPHORUS		%	0.29	0.30	3
NIACIN		MG/KG	44.0	45.9	3
RIBOFLAVIN		MG/KG	8.1	8.5	3
THIAMINE		MG/KG	3.5	3.7	3
VITAMIN A EQUIV		IU/G	170.1	177.7	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DESMODIUM INTORTUM INTORTUM, AERIAL PART, FRESH, (2)					
REF NO 2-11-651					
DRY MATTER		%	17.2	100.0	1
ORGANIC MATTER		%	16.0	92.8	1
ASH		%	1.2	7.2	1
CRUDE FIBER		%	3.8	22.6	1
ETHER EXTRACT		%	0.9	5.2	1
NITROGEN FREE EXTRACT		%	7.9	46.0	1
PROTEIN		%	3.2	19.0	1
CATTLE	DIG PROT	% *	2.4	14.0	
GOATS	DIG PROT	% *	2.4	14.2	
HORSES	DIG PROT	% *	2.3	13.6	
RABBITS	DIG PROT	% *	2.2	13.3	
SHEEP	DIG PROT	% *	2.5	14.6	
CALCIUM		%	0.84	4.88	1
IRON		%	0.016	0.093	1
PHOSPHORUS		%	0.27	1.57	1
DESMODIUM INTORTUM INTORTUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-13-999					
DRY MATTER		%	11.9	100.0	1
ORGANIC MATTER		%	10.9	92.0	1
ASH		%	1.0	8.0	1
CRUDE FIBER		%	3.5	29.5	1
ETHER EXTRACT		%	0.2	1.7	1
NITROGEN FREE EXTRACT		%	4.2	35.7	1
PROTEIN		%	3.0	25.1	1
CATTLE	DIG PROT	% *	2.3	19.2	
GOATS	DIG PROT	% *	2.4	20.0	
HORSES	DIG PROT	% *	2.2	18.8	
RABBITS	DIG PROT	% *	2.1	18.0	
SHEEP	DIG PROT	% *	2.4	20.4	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.33	2.80	
SHEEP	ME	MCAL/KG *	0.27	2.29	
SHEEP	TDN	% *	7.6	63.5	
CALCIUM		%	0.11	0.90	1
PHOSPHORUS		%	0.05	0.46	1
DESMODIUM INTORTUM INTORTUM, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-14-000					
DRY MATTER		%	34.6	100.0	2
ORGANIC MATTER		%	29.1	84.2	1
ASH		%	5.5	15.8	1
CRUDE FIBER		%	11.8	34.2	1
ETHER EXTRACT		%	0.6	1.6	1
NITROGEN FREE EXTRACT		%	12.3	35.7	1
PROTEIN		%	4.4	12.7	2
CATTLE	DIG PROT	% *	3.0	8.7	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT	% *	2.9	8.4	
HORSES	DIG PROT	% *	2.9	8.3	
RABBITS	DIG PROT	% *	2.9	8.5	
SHEEP	DIG PROT	% *	3.0	8.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.88	2.56	
SHEEP	DE	MCAL/KG *	0.83	2.41	
CATTLE	ME	MCAL/KG *	0.73	2.10	
SHEEP	ME	MCAL/KG *	0.68	1.97	
CATTLE	NE-M	MCAL/KG *	0.43	1.24	
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.59	
CATTLE	NE-LACTATION	MCAL/KG *	0.44	1.28	
CATTLE	TDN	% *	20.1	58.0	
SHEEP	TDN	% *	18.9	54.6	
CALCIUM		%	0.31	0.89	2
MAGNESIUM		%	0.10	0.30	1
MANGANESE		MG/KG	64.6	187.0	1
PHOSPHORUS		%	0.08	0.23	2
POTASSIUM		%	0.29	0.85	1
SODIUM		%	0.02	0.07	1
ZINC		MG/KG	15.2	44.0	1
DESMODIUM MOLLICULUM, TICKCLOVER, MOLLICULUM					
DESMODIUM MOLLICULUM MOLLICULUM, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-15-401					
DRY MATTER		%	21.6	100.0	1
ORGANIC MATTER		%	18.7	86.8	1
ASH		%	2.9	13.2	1
CRUDE FIBER		%	5.9	27.5	1
ETHER EXTRACT		%	0.8	3.6	1
NITROGEN FREE EXTRACT		%	8.3	38.3	1
PROTEIN		%	3.8	17.4	1
CATTLE	DIG PROT	% *	2.7	12.7	
GOATS	DIG PROT	% *	2.8	12.8	
HORSES	DIG PROT	% *	2.7	12.3	
RABBITS	DIG PROT	% *	2.6	12.1	
SHEEP	DIG PROT	% *	2.9	13.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.55	2.53	
SHEEP	DE	MCAL/KG *	0.59	2.73	
CATTLE	ME	MCAL/KG *	0.45	2.08	
SHEEP	ME	MCAL/KG *	0.48	2.24	
CATTLE	NE-M	MCAL/KG *	0.26	1.23	
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.57	
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.26	
CATTLE	TDN	% *	12.4	57.4	
SHEEP	TDN	% *	13.4	61.8	
CALCIUM		%	0.30	1.41	1
PHOSPHORUS		%	0.13	0.59	1
DESMODIUM PACHIRRHIZUM, TICKCLOVER, PACHIRRHIZUM					
DESMODIUM PACHIRRHIZUM PACHIRRHIZUM, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-458					
DRY MATTER		%	30.0	100.0	1
ORGANIC MATTER		%	27.2	90.6	1
ASH		%	2.8	9.4	1
CRUDE FIBER		%	15.0	49.9	1
ETHER EXTRACT		%	0.3	0.9	1
NITROGEN FREE EXTRACT		%	8.8	29.3	1
PROTEIN		%	3.2	10.5	1
CATTLE	DIG PROT	% *	2.0	6.8	
GOATS	DIG PROT	% *	1.9	6.4	
HORSES	DIG PROT	% *	1.9	6.4	
RABBITS	DIG PROT	% *	2.0	6.8	
SHEEP	DIG PROT	% *	2.0	6.8	
CALCIUM		%	0.31	1.04	1
PHOSPHORUS		%	0.07	0.24	1
DESMODIUM POLYCARPUM, TICKCLOVER, BEGGARWEED					
DESMODIUM POLYCARPUM BEGGARWEED, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-13-984					
DRY MATTER		%	20.8	100.0	1
ORGANIC MATTER		%	18.7	90.0	1
ASH		%	2.1	10.0	1
CRUDE FIBER		%	6.7	32.0	1
ETHER EXTRACT		%	0.9	[illegible]	1
NITROGEN FREE EXTRACT		%	6.8	32.8	1
PROTEIN		%	4.3	20.8	1
CATTLE	DIG PROT	% *	3.2	15.6	
GOATS	DIG PROT	% *	3.3	16.0	
HORSES	DIG PROT	% *	3.2	15.2	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT % *	3.1	14.7		
SHEEP	DIG PROT % *	3.4	16.4		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.61	2.91		
SHEEP	ME MCAL/KG *	0.50	2.39		
SHEEP	TDN % *	13.7	66.1		
CALCIUM	%	0.36	1.74		1
PHOSPHORUS	%	0.08	0.40		1

DESMODIUM POLYCARPUM BEGGAR#EED, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-983

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	40.6	100.0		2
ORGANIC MATTER	%	36.7	90.5		2
ASH	%	3.9	9.5		2
CRUDE FIBER	%	12.7	31.4		2
ETHER EXTRACT	%	0.6	1.6		2
NITROGEN FREE EXTRACT	%	15.2	37.5		2
PROTEIN	%	8.2	20.2		2
CATTLE	DIG PROT % *	6.1	15.0		
GOATS	DIG PROT % *	6.2	15.4		
HORSES	DIG PROT % *	5.9	14.6		
RABBITS	DIG PROT % *	5.8	14.2		
SHEEP	DIG PROT % *	6.4	15.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.14	2.82		
SHEEP	DE MCAL/KG *	1.09	2.68		
CATTLE	ME MCAL/KG *	0.94	2.31		
SHEEP	ME MCAL/KG *	0.89	2.20		
CATTLE	NE-M MCAL/KG *	0.56	1.38		
CATTLE	NE-GAIN MCAL/KG *	0.32	0.79		
CATTLE	NE-LACTATION MCAL/KG *	0.60	1.48		
CATTLE	TDN % *	25.9	63.9		
SHEEP	TDN % *	24.7	60.8		
CALCIUM	%	0.76	1.88		2
PHOSPHORUS	%	0.12	0.29		2

DESMODIUM SCORPIURUS, TICKCLOVER, SCORPIURUS

DESMODIUM SCORPIURUS SCORPIURUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-982

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	21.5	86.0		1
ASH	%	3.5	14.0		1
CRUDE FIBER	%	8.1	32.3		1
ETHER EXTRACT	%	0.6	2.4		1
NITROGEN FREE EXTRACT	%	8.8	35.0		1
PROTEIN	%	4.1	16.3		1
CATTLE	DIG PROT % *	2.9	11.7		
GOATS	DIG PROT % *	2.9	11.8		
HORSES	DIG PROT % *	2.8	11.4		
RABBITS	DIG PROT % *	2.8	11.3		
SHEEP	DIG PROT % *	3.0	12.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.62	2.47		
SHEEP	DE MCAL/KG *	0.64	2.57		
CATTLE	ME MCAL/KG *	0.51	2.02		
SHEEP	ME MCAL/KG *	0.53	2.11		
CATTLE	NE-M MCAL/KG *	0.30	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.21		
CATTLE	TDN % *	14.0	55.9		
SHEEP	TDN % *	14.6	58.2		
CALCIUM	%	0.35	1.41		1
PHOSPHORUS	%	0.04	0.17		1

DESMODIUM SERICOPHYLLA, TICKCLOVER, SERICOPHYLLA

DESMODIUM SERICOPHYLLA SERICOPHYLLA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-981

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	23.2	92.6		1
ASH	%	1.9	7.4		1
CRUDE FIBER	%	9.8	39.3		1
ETHER EXTRACT	%	0.5	1.9		1
NITROGEN FREE EXTRACT	%	9.3	37.2		1
PROTEIN	%	3.6	14.2		1
CATTLE	DIG PROT % *	2.5	10.0		
GOATS	DIG PROT % *	2.5	9.8		
HORSES	DIG PROT % *	2.4	9.6		
RABBITS	DIG PROT % *	2.4	9.6		
SHEEP	DIG PROT % *	2.6	10.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.63	2.53		
SHEEP	DE MCAL/KG *	0.65	2.59		
CATTLE	ME MCAL/KG *	0.52	2.08		
SHEEP	ME MCAL/KG *	0.53	2.12		
CATTLE	NE-M MCAL/KG *	0.31	1.22		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.57		
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.26		
CATTLE	TDN % *	14.3	57.4		
SHEEP	TDN % *	14.7	58.8		
CALCIUM	%	0.23	0.93		1
PHOSPHORUS	%	0.05	0.18		1

DESMODIUM SPP, TICKCLOVER

DESMODIUM SPP, AERIAL PART, FRESH, (2)

REF NO 2-10-497

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.9	100.0	13	4
ORGANIC MATTER	%	20.7	90.4		
ASH	%	2.2	9.6	58	5
CRUDE FIBER	%	6.4	28.0	17	5
ETHER EXTRACT	%	0.6	2.7	24	5
NITROGEN FREE EXTRACT	%	9.3	40.4	21	5
PROTEIN	%	4.4	19.3	[illegible]	5
CATTLE	DIG PROT % *	3.3	14.3		
GOATS	DIG PROT % *	3.3	14.6		
HORSES	DIG PROT % *	3.2	13.9		
RABBITS	DIG PROT % *	3.1	13.6		
SHEEP	DIG PROT % *	3.4	15.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.63	2.76		
SHEEP	DE MCAL/KG *	0.64	2.78		
CATTLE	ME MCAL/KG *	0.52	2.27		
SHEEP	ME MCAL/KG *	0.52	2.26		
CATTLE	NE-M MCAL/KG *	0.31	1.35		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.75		
CATTLE	NE-LACTATION MCAL/KG *	0.33	1.44		
CATTLE	TDN % *	14.4	62.7		
SHEEP	TDN % *	14.5	63.2		
CALCIUM	%	0.22	0.95		2
MAGNESIUM	%	0.04	0.19		1
MANGANESE	MG/KG	0.4	1.5		1
PHOSPHORUS	%	0.06	0.26		1
POTASSIUM	%	1.1[illegible]	4.98		1

DESMODIUM SPP, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-978

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.1	100.0		2
ORGANIC MATTER	%	19.6	92.8		
ASH	%	1.5	7.2		2
CRUDE FIBER	%	5.4	25.4		2
ETHER EXTRACT	%	0.6	2.7		2
NITROGEN FREE EXTRACT	%	9.7	45.8		2
PROTEIN	%	4.0	18.9		2
CATTLE	DIG PROT % *	3.0	14.0		
GOATS	DIG PROT % *	3.0	14.2		
HORSES	DIG PROT % *	2.9	13.6		
RABBITS	DIG PROT % *	2.8	13.3		
SHEEP	DIG PROT % *	3.1	14.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.64	3.02		
SHEEP	DE MCAL/KG *	0.61	2.90		
CATTLE	ME MCAL/KG *	0.52	2.48		
SHEEP	ME MCAL/KG *	0.50	2.38		
CATTLE	NE-M MCAL/KG *	0.32	1.50		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.93		
CATTLE	NE-LACTATION MCAL/KG *	0.35	1.64		
CATTLE	TDN % *	14.5	68.5		
SHEEP	TDN % *	13.9	65.7		

DESMODIUM SPP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-980

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	37.7	100.0		1
ORGANIC MATTER	%	35.8	94.9		1
ASH	%	1.9	5.1		1
CRUDE FIBER	%	19.2	50.9		1
ETHER EXTRACT	%	0.3	0.9		1
NITROGEN FREE EXTRACT	%	12.3	32.7		1
PROTEIN	%	3.9	10.4		1
CATTLE	DIG PROT % *	2.5	6.7		
GOATS	DIG PROT % *	2.4	6.3		
HORSES	DIG PROT % *	2.4	6.4		
RABBITS	DIG PROT % *	2.5	6.7		
SHEEP	DIG PROT % *	2.5	6.7		
CALCIUM	%	0.23	0.61		1
PHOSPHORUS	%	0.15	0.40		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DESMODIUM SPP, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-979						
DRY MATTER		%	28.3	100.0	15	4
ORGANIC MATTER		%	25.8	91.0	13	4
ASH		%	2.5	9.0	13	4
CRUDE FIBER		%	9.4	33.3	3	4
ETHER EXTRACT		%	0.7	2.6	29	4
NITROGEN FREE EXTRACT		%	10.9	38.6	5	4
PROTEIN		%	4.7	16.5	18	4
CATTLE	DIG PROT	% *	3.4	11.9		
GOATS	DIG PROT	% *	3.4	12.0		
HORSES	DIG PROT	% *	3.3	11.5		
RABBITS	DIG PROT	% *	3.2	11.4		
SHEEP	DIG PROT	% *	3.5	12.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.73	2.59		
SHEEP	DE	MCAL/KG *	0.76	2.69		
CATTLE	ME	MCAL/KG *	0.60	2.13		
SHEEP	ME	MCAL/KG *	0.62	2.20		
CATTLE	NE-M	MCAL/KG *	0.36	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.31		
CATTLE	TDN	% *	16.7	58.8		
SHEEP	TDN	% *	17.3	61.0		
CALCIUM		%	0.32	1.13	6	4
PHOSPHORUS		%	0.08	0.27	24	4
DESMODIUM SPP, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-640						
DRY MATTER		%	45.7	100.0		1
ORGANIC MATTER		%	44.1	96.5		1
ASH		%	1.6	3.5		1
CRUDE FIBER		%	15.5	34.0		1
ETHER EXTRACT		%	1.3	2.9		1
NITROGEN FREE EXTRACT		%	22.4	49.0		1
PROTEIN		%	4.8	10.6		1
CATTLE	DIG PROT	% *	3.2	6.9		
GOATS	DIG PROT	% *	2.9	6.4		
HORSES	DIG PROT	% *	3.0	6.5		
RABBITS	DIG PROT	% *	3.1	6.9		
SHEEP	DIG PROT	% *	3.1	6.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.20	2.64		
SHEEP	DE	MCAL/KG *	1.24	2.70		
CATTLE	ME	MCAL/KG *	0.99	2.16		
SHEEP	ME	MCAL/KG *	1.01	2.22		
CATTLE	NE-M	MCAL/KG *	0.58	1.28		
CATTLE	NE-GAIN	MCAL/KG *	0.30	0.65		
CATTLE	NE-LACTATION	MCAL/KG *	0.61	1.34		
CATTLE	TDN	% *	27.3	59.8		
SHEEP	TDN	% *	28.0	61.3		
DESMODIUM SPP, LEAVES, FRESH, (2)						
REF NO 2-10-499						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.1		
ASH		%		8.9		1
CRUDE FIBER		%		19.7		1
ETHER EXTRACT		%		2.8		1
NITROGEN FREE EXTRACT		%		42.8		1
PROTEIN		%		25.9		1
CATTLE	DIG PROT	% *		19.9		
GOATS	DIG PROT	% *		20.7		
HORSES	DIG PROT	% *		19.5		
RABBITS	DIG PROT	% *		18.7		
SHEEP	DIG PROT	% *		21.1		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		3.02		
SHEEP	ME	MCAL/KG *		2.48		
SHEEP	TDN	% *		68.6		
CALCIUM		%		1.42		1
PHOSPHORUS		%		0.30		1
DESMODIUM SPP, TOP OF STEMS, FRESH, (2)						
REF NO 2-10-498						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.9		
ASH		%		9.1		1
CRUDE FIBER		%		36.2		1
ETHER EXTRACT		%		0.9		1
NITROGEN FREE EXTRACT		%		42.3		1
PROTEIN		%		11.5		1
CATTLE	DIG PROT	% *		7.7		
GOATS	DIG PROT	% *		7.3		
HORSES	DIG PROT	% *		7.3		
RABBITS	DIG PROT	% *		7.6		
SHEEP	DIG PROT	% *		7.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.69		
SHEEP	DE	MCAL/KG *		2.47		
CATTLE	ME	MCAL/KG *		2.20		
SHEEP	ME	MCAL/KG *		2.02		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.69		
CATTLE	NE-LACTATION	MCAL/KG *		1.38		
CATTLE	TDN	% *		60.9		
SHEEP	TDN	% *		55.9		
CALCIUM		%		1.46		1
PHOSPHORUS		%		0.45		1
DESMODIUM UNCINATUM, TICKCLOVER, SILVERLEAF						
DESMODIUM UNCINATUM SILVERLEAF, HAY, S-C, (1)						
REF NO 1-10-116						
DRY MATTER		%	91.0	100.0		1
ORGANIC MATTER		%	76.3	83.8		
ASH		%	14.7	16.2		1
CRUDE FIBER		%	25.2	27.7		1
ETHER EXTRACT		%	1.5	1.6		1
NITROGEN FREE EXTRACT		%	30.8	33.8		1
PROTEIN		%	18.8	20.7		1
CATTLE	DIG PROT	% *	13.5	14.8		
GOATS	DIG PROT	% *	14.4	15.8		
HORSES	DIG PROT	% *	13.7	15.1		
RABBITS	DIG PROT	% *	13.3	14.6		
SHEEP	DIG PROT	% *	13.7	15.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.29	2.52		
SHEEP	DE	MCAL/KG *	2.24	2.46		
CATTLE	ME	MCAL/KG *	1.88	2.07		
SHEEP	ME	MCAL/KG *	1.83	2.02		
CATTLE	NE-M	MCAL/KG *	1.11	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.51	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	1.14	1.25		
CATTLE	TDN	% *	52.0	57.2		
SHEEP	TDN	% *	50.7	55.8		
DESMODIUM UNCINATUM SILVERLEAF, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-11-654						
DRY MATTER		%	39.9	100.0		1
ORGANIC MATTER		%	37.4	93.8		1
ASH		%	2.5	6.2		1
CRUDE FIBER		%	11.5	28.7		1
ETHER EXTRACT		%	1.3	3.3		1
NITROGEN FREE EXTRACT		%	19.7	49.4		1
PROTEIN		%	4.9	12.4		1
CATTLE	DIG PROT	% *	3.4	8.4		
GOATS	DIG PROT	% *	3.2	8.1		
HORSES	DIG PROT	% *	3.2	8.1		
RABBITS	DIG PROT	% *	3.3	8.2		
SHEEP	DIG PROT	% *	3.4	8.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.20	3.02		
SHEEP	DE	MCAL/KG *	1.11	2.79		
CATTLE	ME	MCAL/KG *	0.99	2.48		
SHEEP	ME	MCAL/KG *	0.91	2.29		
CATTLE	NE-M	MCAL/KG *	0.60	1.50		
CATTLE	NE-GAIN	MCAL/KG *	0.37	0.93		
CATTLE	NE-LACTATION	MCAL/KG *	0.66	1.64		
CATTLE	TDN	% *	27.3	68.5		
SHEEP	TDN	% *	25.3	63.3		
DICALCIUM PHOSPHATE (AAFCO) -SEE CALCIUM PHOSPHATE, DIBASIC PHOSPHATE DIBASIC, COMMERCIAL, (6)						
DICHROMENA CILIATA, WHITETOP-SEDGE, CILIATA						
DICHROMENA CILIATA CILIATA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-13-988						
DRY MATTER		%	19.4	100.0		1
ORGANIC MATTER		%	15.9	82.0		1
ASH		%	3.5	18.0		1
CRUDE FIBER		%	6.1	31.4		1
ETHER EXTRACT		%	0.1	0.7		1
NITROGEN FREE EXTRACT		%	8.0	41.2		1
PROTEIN		%	1.7	8.7		1
CATTLE	DIG PROT	% *	1.0	5.3		
GOATS	DIG PROT	% *	0.9	4.7		
HORSES	DIG PROT	% *	1.0	4.9		
RABBITS	DIG PROT	% *	1.0	5.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *	1.0	5.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.54	2.77		
SHEEP	DE MCAL/KG *	0.44	2.27		
CATTLE	ME MCAL/KG *	0.44	2.27		
SHEEP	ME MCAL/KG *	0.36	1.86		
CATTLE	NE-M MCAL/KG *	0.26	1.35		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.75		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.44		
CATTLE	TDN % *	12.2	62.7		
SHEEP	TDN % *	10.0	51.5		
CALCIUM	%	0.07	0.34		1
PHOSPHORUS	%	0.02	0.10		1

DIECTOMIS FASTIGIATA

DIECTOMIS FASTIGIATA FASTIGIATA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-989

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	13.0	100.0		1
ORGANIC MATTER	%	12.1	92.9		1
ASH	%	0.9	7.1		1
CRUDE FIBER	%	4.4	33.8		1
ETHER EXTRACT	%	0.4	3.2		1
NITROGEN FREE EXTRACT	%	6.6	51.1		1
PROTEIN	%	0.6	4.8		1
CATTLE	DIG PROT % *	0.3	2.0		
GOATS	DIG PROT % *	0.1	1.0		
HORSES	DIG PROT % *	0.2	1.6		
RABBITS	DIG PROT % *	0.3	2.4		
SHEEP	DIG PROT % *	0.2	1.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.32	2.44		
SHEEP	DE MCAL/KG *	0.33	2.53		
CATTLE	ME MCAL/KG *	0.26	2.00		
SHEEP	ME MCAL/KG *	0.27	2.07		
CATTLE	NE-M MCAL/KG *	0.15	1.18		
CATTLE	NE-GAIN MCAL/KG *	0.06	0.49		
CATTLE	NE-LACTATION MCAL/KG *	0.15	1.19		
CATTLE	TDN % *	7.2	55.3		
SHEEP	TDN % *	7.4	57.3		
CALCIUM	%	0.03	0.20		1
PHOSPHORUS	%	0.01	0.06		1

DIECTOMIS FASTIGIATA FASTIGIATA, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-13-990

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	44.0	100.0		1
ORGANIC MATTER	%	42.1	95.7		1
ASH	%	1.9	4.3		1
CRUDE FIBER	%	18.7	42.5		1
ETHER EXTRACT	%	0.3	0.7		1
NITROGEN FREE EXTRACT	%	21.9	49.8		1
PROTEIN	%	1.2	2.7		1
CATTLE	DIG PROT % *	0.1	0.2		
GOATS	DIG PROT % *	-0.4	-0.9		
HORSES	DIG PROT % *	-0.1	-0.2		
RABBITS	DIG PROT % *	0.3	0.8		
SHEEP	DIG PROT % *	-0.2	-0.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.88	2.00		
SHEEP	DE MCAL/KG *	1.00	2.28		
CATTLE	ME MCAL/KG *	0.72	1.64		
SHEEP	ME MCAL/KG *	0.82	1.87		
CATTLE	NE-M MCAL/KG *	0.43	0.98		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.07		
CATTLE	NE-LACTATION MCAL/KG *	0.37	0.84		
CATTLE	TDN % *	19.9	45.3		
SHEEP	TDN % *	22.7	51.6		
CALCIUM	%	0.05	0.12		1
PHOSPHORUS	%	0.02	0.04		1

DIGESTER TANKAGE WITH BONE
-SEE ANIMAL, CARCASS RESIDUE W BLOOD W BONE, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)

DIGESTER TANKAGE
-SEE ANIMAL, CARCASS RESIDUE W BLOOD, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MX 4.4% PHOSPHORUS, (5)

DIGITARIA DECUMBENS, PANGOLAGRASS

DIGITARIA DECUMBENS, AERIAL PART, DEHY, (1)

REF NO 1-10-637

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.6	100.0	3	8
ORGANIC MATTER	%	84.7	92.4	39	3
ASH	%	9.6	10.5	39	8
CRUDE FIBER	%	29.5	32.2	13	8
ETHER EXTRACT	%	1.8	2.0	22	8
NITROGEN FREE EXTRACT	%	42.9	46.9	6	8
PROTEIN	%	7.8	8.5	38	8
CATTLE	DIG PROT % *	3.9	4.3		
GOATS	DIG PROT % *	4.1	4.5		
HORSES	DIG PROT % *	4.3	4.7		
RABBITS	DIG PROT % *	4.8	5.2		
SHEEP	DIG PROT % *	3.8	4.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.09	2.28		
HORSES	DE MCAL/KG *	1.65	1.80		
SHEEP	DE MCAL/KG *	2.07	2.26		
CATTLE	ME MCAL/KG *	1.72	1.87		
HORSES	ME MCAL/KG *	1.35	1.47		
SHEEP	ME MCAL/KG *	1.70	1.85		
CATTLE	NE-M MCAL/KG *	1.01	1.11		
CATTLE	NE-GAIN MCAL/KG *	0.32	0.35		
CATTLE	NE-LACTATION MCAL/KG *	0.98	1.07		
CATTLE	TDN % *	47.5	51.8		
HORSES	TDN % *	40.8	44.5		
SHEEP	TDN % *	46.9	51.2		
CALCIUM	%	0.50	0.55		1
PHOSPHORUS	%	0.04	0.04		1

DIGITARIA DECUMBENS, AERIAL PART, DEHY GRND, (1)

REF NO 1-10-546

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.6	100.0	2	22
ORGANIC MATTER	%	80.1	88.4	10	22
ASH	%	10.5	11.6	10	22
CRUDE FIBER	%	33.4	36.8	10	22
ETHER EXTRACT	%	2.7	3.0	22	22
NITROGEN FREE EXTRACT	%	35.0	38.7	15	22
PROTEIN	%	9.0	9.9	19	22
CATTLE	DIG PROT % *	5.0	5.5		
GOATS	DIG PROT % *	5.2	5.8		
HORSES	DIG PROT % *	5.4	5.9		
RABBITS	DIG PROT % *	5.7	6.3		
SHEEP	DIG PROT % *	4.9	5.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.92	2.12		
HORSES	DE MCAL/KG *	1.74	1.92		
SHEEP	DE MCAL/KG *	1.95	2.15		
CATTLE	ME MCAL/KG *	1.58	1.74		
HORSES	ME MCAL/KG *	1.42	1.57		
SHEEP	ME MCAL/KG *	1.60	1.76		
CATTLE	NE-M MCAL/KG *	0.94	1.03		
CATTLE	NE-GAIN MCAL/KG *	0.18	0.20		
CATTLE	NE-LACTATION MCAL/KG *	0.85	0.94		
CATTLE	TDN % *	43.6	48.2		
HORSES	TDN % *	43.3	47.8		
SHEEP	TDN % *	44.2	48.8		
CALCIUM	%	0.54	0.59	38	21
IRON	%	0.023	0.025		3
PHOSPHORUS	%	0.17	0.18	35	21
NIACIN	MG/KG	22.5	24.9		2
RIBOFLAVIN	MG/KG				
THIAMINE	MG/KG				
VITAMIN A EQUIV	IU/G	170.3	187.9		

DIGITARIA DECUMBENS, AERIAL PART, DEHY GRND PELLETED, (1)

REF NO 1-10-551

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.2	100.0		1
ORGANIC MATTER	%	75.6	86.7		1
ASH	%	11.6	13.3		1
CRUDE FIBER	%	20.0	22.9		1
ETHER EXTRACT	%	4.8	5.5		1
NITROGEN FREE EXTRACT	%	33.4	38.3		1
PROTEIN	%	17.4	20.0		1
CATTLE	DIG PROT % *	12.4	14.2		
GOATS	DIG PROT % *	13.2	15.2		
HORSES	DIG PROT % *	12.6	14.5		
RABBITS	DIG PROT % *	12.3	14.1		
SHEEP	DIG PROT % *	12.6	14.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.17	2.49		
HORSES	DE MCAL/KG *	0.79	0.91		
SHEEP	DE MCAL/KG *	2.27	2.61		
CATTLE	ME MCAL/KG *	1.78	2.04		
HORSES	ME MCAL/KG *	0.65	0.74		
SHEEP	ME MCAL/KG *	1.86	2.14		
CATTLE	NE-M MCAL/KG *	1.05	1.21		
CATTLE	NE-GAIN MCAL/KG *	0.47	0.53		
CATTLE	NE-LACTATION MCAL/KG *	1.07	1.23		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE		TDN % *	49.3	56.5		
HORSES		TDN % *	17.5	20.1		
SHEEP		TDN % *	51.6	59.1		

DIGITARIA DECUMBENS, HAY, S-C, (1)

REF NO 1-09-459

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.8	100.0	6	19
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.		1
ORGANIC MATTER		%	80.4	91.6	20	4
ASH		%	7.9	8.9	20	27
CRUDE FIBER		%	29.8	34.0	12	27
ETHER EXTRACT		%	2.1	2.4	41	27
NITROGEN FREE EXTRACT		%	42.0	47.9	11	27
PROTEIN		%	6.0	6.9	29	27
CATTLE	DIG PROT	% *	2.5	2.9		
GOATS	DIG PROT	% *	2.6	3.0		
HORSES	DIG PROT	% *	2.9	3.3		
RABBITS	DIG PROT	% *	3.5	4.0		
SHEEP	DIG PROT	% *	2.4	2.7		
ENERGY	GE	KCAL/KG	3649.	4158.		1
CATTLE	DE	MCAL/KG *	2.03	2.31		
HORSES	DE	MCAL/KG *	1.59	1.81		
SHEEP	DE	MCAL/KG *	1.97	2.25		
CATTLE	ME	MCAL/KG *	1.66	1.90		
HORSES	ME	MCAL/KG *	1.30	1.48		
SHEEP	ME	MCAL/KG *	1.62	1.84		
CATTLE	NE-M	MCAL/KG *	0.98	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.33	0.38		
CATTLE	NE-LACTATION	MCAL/KG *	0.96	1.09		
CATTLE	TDN	% *	46.0	52.4		
HORSES	TDN	% *	39.3	44.8		
SHEEP	TDN	% *	44.8	51.0		
CALCIUM		%	0.31	0.35	37	9
MAGNESIUM		%	0.33	0.38		3
PHOSPHORUS		%	0.12	0.13	50	9
VITAMIN A EQUIV		IU/G	0.9	1.0		

DIGITARIA DECUMBENS, HAY, S-C, 1 TO 14 DAYS' GROWTH, (1)

REF NO 1-10-635

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	97.8	100.0		2
ORGANIC MATTER		%	88.9	91.0		
ASH		%	8.8	9.1		2
CRUDE FIBER		%	31.9	32.6		2
ETHER EXTRACT		%	2.5	2.6		2
NITROGEN FREE EXTRACT		%	49.0	50.1		2
PROTEIN		%	5.5	5.7		2
CATTLE	DIG PROT	% *	1.8	1.8		
GOATS	DIG PROT	% *	1.8	1.8		
HORSES	DIG PROT	% *	2.3	2.3		
RABBITS	DIG PROT	% *	3.0	3.0		
SHEEP	DIG PROT	% *	1.6	1.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.28	2.34		
HORSES	DE	MCAL/KG *	1.81	1.85		
SHEEP	DE	MCAL/KG *	2.20	2.25		
CATTLE	ME	MCAL/KG *	1.87	1.92		
HORSES	ME	MCAL/KG *	1.48	1.52		
SHEEP	ME	MCAL/KG *	1.80	1.84		
CATTLE	NE-M	MCAL/KG *	1.10	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.39	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	1.08	1.11		
CATTLE	TDN	% *	51.8	53.0		
HORSES	TDN	% *	45.0	46.0		
SHEEP	TDN	% *	49.8	51.0		
CALCIUM		%	0.26	0.27		2
PHOSPHORUS		%	0.09	0.10		2

DIGITARIA DECUMBENS, HAY, S-C, 15 TO 28 DAYS' GROWTH, (1)

REF NO 1-10-638

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	97.0	100.0		3
ORGANIC MATTER		%	87.3	90.0		
ASH		%	9.7	10.0		3
CRUDE FIBER		%	29.6	30.5		3
ETHER EXTRACT		%	2.7	2.8		3
NITROGEN FREE EXTRACT		%	48.5	49.9		3
PROTEIN		%	6.6	6.8		3
CATTLE	DIG PROT	% *	2.7	2.8		
GOATS	DIG PROT	% *	2.8	2.9		
HORSES	DIG PROT	% *	3.2	3.3		
RABBITS	DIG PROT	% *	3.8	3.9		
SHEEP	DIG PROT	% *	2.6	2.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.30	2.27		
HORSES	DE	MCAL/KG *	1.87	1.92		
SHEEP	DE	MCAL/KG *	2.21	2.28		
CATTLE	ME	MCAL/KG *	1.89	1.94		
HORSES	ME	MCAL/KG *	1.53	1.58		
SHEEP	ME	MCAL/KG *	1.81	1.87		
CATTLE	NE-M	MCAL/KG *	1.11	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.42	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	1.10	1.14		
CATTLE	TDN	% *	52.2	53.8		
HORSES	TDN	% *	46.5	48.0		
SHEEP	TDN	% *	50.2	51.7		
CALCIUM		%	0.31	0.32		3
PHOSPHORUS		%	0.16	0.16		3

DIGITARIA DECUMBENS, HAY, S-C, EARLY VEGETATIVE, (1)

REF NO 1-03-489

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.4	100.0		1
ORGANIC MATTER		%	80.6	90.2		1
ASH		%	8.8	9.8		1
SHEEP	DIG COEF	%	34.	34.		
PROTEIN		%	9.7	10.8		1
SHEEP	DIG COEF	%	65.	65.		1
CATTLE	DIG PROT	% *	5.6	6.3		
GOATS	DIG PROT	% *	5.9	6.6		
HORSES	DIG PROT	% *	6.0	6.7		
RABBITS	DIG PROT	% *	6.3	7.0		
SHEEP	DIG PROT	%	6.3	7.0		
ENERGY	GE	KCAL/KG	3723.	4164.		1
SHEEP	GE DIG COEF	%	61.	61.		1
SHEEP	DE	MCAL/KG	2.27	2.54		1
SHEEP	ME	MCAL/KG *	1.86	2.08		
SHEEP	TDN	% *	51.4	57.6		

DIGITARIA DECUMBENS, HAY, S-C, MIDBLOOM, (1)

REF NO 1-10-384

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	84.8	100.0		2
ORGANIC MATTER		%	78.2	92.3		2
ASH		%	6.6	7.8		2
SHEEP	DIG COEF	%	40.	40.		
PROTEIN		%	5.6	6.7		2
CATTLE	DIG PROT	% *	2.3	2.7		
GOATS	DIG PROT	% *	2.3	2.8		
HORSES	DIG PROT	% *	2.7	3.2		
RABBITS	DIG PROT	% *	3.2	3.8		
SHEEP	DIG PROT	% *	2.1	2.5		
CELL WALLS (VAN SOEST)		%	66.0	77.9		2
FIBER, ACID DETERGENT (VS)		%	40.9	48.3		2
LIGNIN (VAN SOEST)		%	4.7	5.6		2
ENERGY	GE	KCAL/KG	3689.	4353.		2
SHEEP	GE DIG COEF	%	50.	50.		2
SHEEP	DE	MCAL/KG	1.84	2.18		2
SHEEP	ME	MCAL/KG *	1.51	1.78		
SHEEP	TDN	% *	41.7	49.4		

DIGITARIA DECUMBENS, HAY, S-C, FULL BLOOM, (1)

REF NO 1-10-857

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.6	100.0		1
ORGANIC MATTER		%	85.1	90.9		1
ASH		%	8.5	9.1		1
SHEEP	DIG COEF	%	35.	35.		
PROTEIN		%	3.9	4.2		1
SHEEP	DIG COEF	%	43.	43.		1
CATTLE	DIG PROT	% *	0.5	0.6		
GOATS	DIG PROT	% *	0.4	0.5		
HORSES	DIG PROT	% *	1.0	1.1		
RABBITS	DIG PROT	% *	1.8	1.9		
SHEEP	DIG PROT	%	1.7	1.8		
CELL WALLS (VAN SOEST)		%	74.3	79.4		1
FIBER, ACID DETERGENT (VS)		%	51.6	55.1		1
LIGNIN (VAN SOEST)		%	6.9	7.4		1
ENERGY	GE	KCAL/KG	3795.	4055.		1
SHEEP	GE DIG COEF	%	61.	61.		1
SHEEP	DE	MCAL/KG	2.32	2.47		1
SHEEP	ME	MCAL/KG *	1.90	2.03		
SHEEP	TDN	% *	52.6	56.0		

DIGITARIA DECUMBENS, HAY, S-C, MATURE, (1)

REF NO 1-10-858

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.8	100.0		1
ORGANIC MATTER		%	88.0	93.8		1
ASH		%	5.8	6.2		1
SHEEP	DIG COEF	%	43.	43.		
PROTEIN		%	3.3	3.5		1
SHEEP	DIG COEF	%	25.	25.		1
CATTLE	DIG PROT	% *	-0.0	-0.0		
GOATS	DIG PROT	% *	-0.2	-0.2		
HORSES	DIG PROT	% *	0.5	0.5		
RABBITS	DIG PROT	% *	1.3	1.4		
SHEEP	DIG PROT	%	48.7	51.9		
CELL WALLS (VAN SOEST)		%	70.2	74.8		1
FIBER, ACID DETERGENT (VS)		%	54.6	58.2		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
LIGNIN (VAN SOEST)		%	7.9	8.4		1
ENERGY		GE KCAL/KG	4125.	4398.		1
SHEEP	GE	DIG COEF %	52.	52.		1
SHEEP		DE MCAL/KG	2.15	2.29		1
SHEEP		ME MCAL/KG *	1.76	1.88		
SHEEP		TDN % *	48.7	51.9		

DIGITARIA DECUMBENS, HAY, S-C GRND PELLETED, (1)

REF NO 1-09-453

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.0	100.0		3
ORGANIC MATTER		%	79.8	88.7		1
ASH		%	9.8	10.9		3
CRUDE FIBER		%	28.3	31.4		3
ETHER EXTRACT		%	4.3	4.8		3
NITROGEN FREE EXTRACT		%	40.5	45.0		3
PROTEIN		%	7.1	7.9		3
CATTLE	DIG PROT	% *	3.4	3.8		
GOATS	DIG PROT	% *	3.5	3.9		
HORSES	DIG PROT	% *	3.8	4.2		
RABBITS	DIG PROT	% *	4.3	4.8		
SHEEP	DIG PROT	% *	3.3	3.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.08	2.31		
HORSES	DE	MCAL/KG *	2.00	2.22		
SHEEP	DE	MCAL/KG *	2.01	2.23		
CATTLE	ME	MCAL/KG *	1.71	1.90		
HORSES	ME	MCAL/KG *	1.64	1.82		
SHEEP	ME	MCAL/KG *	1.65	1.83		
CATTLE	NE-M	MCAL/KG *	1.01	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.34	0.38		
CATTLE	NE-LACTATION	MCAL/KG *	0.98	1.09		
CATTLE		TDN % *	47.2	52.5		
HORSES		TDN % *	50.5	56.1		
SHEEP		TDN % *	45.6	50.6		

DIGITARIA DECUMBENS, HAY W MOLASSES ADDED, S-C GRND PELLETED, (1)

REF NO 1-09-457

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.1	100.0		1
ORGANIC MATTER		%	82.0	90.0		
ASH		%	9.1	10.0		1
CRUDE FIBER		%	24.4	26.8		1
ETHER EXTRACT		%	2.2	2.4		1
NITROGEN FREE EXTRACT		%	50.0	54.9		1
PROTEIN		%	5.4	5.9		1
CATTLE	DIG PROT	% *	1.9	2.1		
GOATS	DIG PROT	% *	1.9	2.1		
HORSES	DIG PROT	% *	2.3	2.6		
RABBITS	DIG PROT	% *	3.0	3.2		
SHEEP	DIG PROT	% *	1.7	1.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.18	2.39		
HORSES	DE	MCAL/KG *	1.65	1.81		
SHEEP	DE	MCAL/KG *	2.12	2.33		
CATTLE	ME	MCAL/KG *	1.79	1.96		
HORSES	ME	MCAL/KG *	1.35	1.49		
SHEEP	ME	MCAL/KG *	1.74	1.91		
CATTLE	NE-M	MCAL/KG *	1.05	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.41	0.45		
CATTLE	NE-LACTATION	MCAL/KG *	1.05	1.15		
CATTLE		TDN % *	49.5	54.3		
HORSES		TDN % *	40.9	44.9		
SHEEP		TDN % *	48.1	52.8		

DIGITARIA DECUMBENS, HEADS, S-C, (1)

REF NO 1-13-434

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.8	100.0		4
ORGANIC MATTER		%	81.5	88.9		
ASH		%	10.2	11.1	24	4
CRUDE FIBER		%	35.3	38.5	5	4
ETHER EXTRACT		%	1.3	1.4	69	4
NITROGEN FREE EXTRACT		%	40.4	44.0	1	4
PROTEIN		%	4.5	4.9	49	4
CATTLE	DIG PROT	% *	1.1	1.2		
GOATS	DIG PROT	% *	1.0	1.1		
HORSES	DIG PROT	% *	1.5	1.7		
RABBITS	DIG PROT	% *	2.2	2.5		
SHEEP	DIG PROT	% *	0.9	1.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.90	2.07		
HORSES	DE	MCAL/KG *	1.39	1.51		
SHEEP	DE	MCAL/KG *	1.92	2.09		
CATTLE	ME	MCAL/KG *	1.56	1.70		
HORSES	ME	MCAL/KG *	1.14	1.24		
SHEEP	ME	MCAL/KG *	1.57	1.72		
CATTLE	NE-M	MCAL/KG *	0.93	1.01		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.15		
CATTLE	NE-LACTATION	MCAL/KG *	0.83	0.90		
CATTLE		TDN % *	43.2	47.0		
HORSES		TDN % *	33.8	36.8		
SHEEP		TDN % *	43.6	47.5		
CALCIUM		%	0.10	0.11	33	4
PHOSPHORUS		%	0.16	0.17	22	4

DIGITARIA DECUMBENS, LEAVES, S-C, (1)

REF NO 1-13-435

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.7	100.0		2
ORGANIC MATTER		%	81.5	88.0		
ASH		%	11.1	12.0		2
CRUDE FIBER		%	32.3	34.9		2
ETHER EXTRACT		%	2.2	2.4		2
NITROGEN FREE EXTRACT		%	41.2	44.5		2
PROTEIN		%	5.8	6.3		2
CATTLE	DIG PROT	% *	2.2	2.4		
GOATS	DIG PROT	% *	2.2	2.4		
HORSES	DIG PROT	% *	2.6	2.8		
RABBITS	DIG PROT	% *	3.2	3.5		
SHEEP	DIG PROT	% *	2.0	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.99	2.15		
HORSES	DE	MCAL/KG *	1.69	1.82		
SHEEP	DE	MCAL/KG *	1.97	2.12		
CATTLE	ME	MCAL/KG *	1.64	1.76		
HORSES	ME	MCAL/KG *	1.38	1.49		
SHEEP	ME	MCAL/KG *	1.61	1.74		
CATTLE	NE-M	MCAL/KG *	0.97	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.23		
CATTLE	NE-LACTATION	MCAL/KG *	0.89	0.97		
CATTLE		TDN % *	45.2	48.8		
HORSES		TDN % *	41.9	45.2		
SHEEP		TDN % *	44.6	48.2		
CALCIUM		%	0.19	0.21		2
PHOSPHORUS		%	0.18	0.19		2

DIGITARIA DECUMBENS, STEMS, S-C, (1)

REF NO 1-13-436

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.1	100.0	1	4
ORGANIC MATTER		%	85.4	92.7		
ASH		%	6.7	7.3	34	4
CRUDE FIBER		%	34.6	37.5	6	4
ETHER EXTRACT		%	1.5	1.6	21	4
NITROGEN FREE EXTRACT		%	45.7	49.6	9	4
PROTEIN		%	3.7	4.0	55	4
CATTLE	DIG PROT	% *	0.4	0.4		
GOATS	DIG PROT	% *	0.3	0.3		
HORSES	DIG PROT	% *	0.8	0.9		
RABBITS	DIG PROT	% *	1.6	1.7		
SHEEP	DIG PROT	% *	0.1	0.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.07	2.24		
HORSES	DE	MCAL/KG *	1.37	1.49		
SHEEP	DE	MCAL/KG *	2.02	2.19		
CATTLE	ME	MCAL/KG *	1.69	1.84		
HORSES	ME	MCAL/KG *	1.12	1.22		
SHEEP	ME	MCAL/KG *	1.66	1.80		
CATTLE	NE-M	MCAL/KG *	1.00	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.29	0.31		
CATTLE	NE-LACTATION	MCAL/KG *	0.95	1.04		
CATTLE		TDN % *	46.9	50.9		
HORSES		TDN % *	32.2	36.0		
SHEEP		TDN % *	45.8	49.7		
CALCIUM		%	0.13	0.14	29	4
PHOSPHORUS		%	0.23	0.24	51	4

DIGITARIA DECUMBENS, AERIAL PART, FRESH, (2)

REF NO 2-03-493

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.3	100.0	39	98
ORGANIC MATTER		%	20.1	90.0	19	98
ASH		%	2.3	10.3	19	98
ASH	DIG COEF	%	36.	36.		
CRUDE FIBER		%	6.7	30.0	21	98
CATTLE	DIG COEF	%	73.	73.	9	40
ETHER EXTRACT		%	0.0	3.8	63	98
CATTLE	DIG COEF	%	44.	44.	25	40
NITROGEN FREE EXTRACT		%	9.9	44.2	15	98
CATTLE	DIG COEF	%	76.	76.	7	40
PROTEIN		%	2.6	11.7	40	98
CATTLE	DIG COEF	%	74.	74.	1	40
SHEEP	DIG COEF	%	48.	48.		1
CATTLE	DIG PROT	%	1.9	8.7		
GOATS	DIG PROT	% *	1.7	7.4		
HORSES	DIG PROT	% *	1.7	7.4		
RABBITS	DIG PROT	% *	1.7	7.7		
SHEEP	DIG PROT	%	1.3	5.6		
LIGNIN (VAN SOEST)		%	2.0	9.1	14	9
ENERGY	GE	KCAL/KG	991.	4435.	1	40
CATTLE	GE DIG COEF	%	68.	68.	3	43
CATTLE	DE	MCAL/KG	0.67	3.01		
SHEEP	DE	MCAL/KG *	0.59	2.66		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE	MCAL/KG *	0.55	2.47		
SHEEP	NE	MCAL/KG *	0.49	2.16		
CATTLE	NE-M	MCAL/KG *	0.33	1.50		
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.92		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.64		
CATTLE		TON %	15.1	67.8	4	52
SHEEP		TON % *	13.5	60.4		
ALUMINUM		MG/KG	163.10	730.30	98	44
CALCIUM		%	0.08	0.36	75	80
COBALT		MG/KG	0.026	0.115	41	7
COPPER		MG/KG	1.3	6.0	98	55
IRON		%	0.016	0.070	73	54
MAGNESIUM		%	0.04	0.16	98	59
MANGANESE		MG/KG	116.9	523.5	46	53
MOLYBDENUM		MG/KG	0.06	0.26	67	5
PHOSPHORUS		%	0.04	0.19	58	75
POTASSIUM		%	0.31	1.37	49	45
SODIUM		%	0.04	0.16	51	43
ZINC		MG/KG	24.1	107.8	38	45
VITAMIN A EQUIV		IU/G	2.7	12.1		
DM INTAKE, CATTLE	% OF BODY WT		0.53	2.37	30	16
DM INTAKE, SHEEP		G/W 0.75	0.013	0.060		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-09-937

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.0	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	83.	83.		1
ORGANIC MATTER		%	16.0	89.1		2
ASH		%	2.0	10.9		2
CRUDE FIBER		%	5.0	27.7		2
ETHER EXTRACT		%	0.5	3.0		2
NITROGEN FREE EXTRACT		%	7.8	43.6		2
PROTEIN		%	2.7	14.8		3
CATTLE	DIG PROT	% *	1.9	10.5		
GOATS	DIG PROT	% *	1.9	10.4		
HORSES	DIG PROT	% *	1.8	10.1		
RABBITS	DIG PROT	% *	1.8	10.1		
SHEEP	DIG PROT	% *	1.9	10.8		
CELL WALLS (VAN SOEST)		%	11.1	61.5		1
CELLULOSE (VAN SOEST)		%	5.3	29.7		1
FIBER, ACID DETERGENT (VS)		%	7.1	39.7		1
HEMICELLULOSE		%	3.9	21.8		1
LIGNIN KMNO4 (VS)		%	1.3	7.0		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.70		
SHEEP	DE	MCAL/KG *	0.49	2.72		
CATTLE	ME	MCAL/KG *	0.40	2.22		
SHEEP	ME	MCAL/KG *	0.40	2.23		
CATTLE	NE-M	MCAL/KG *	0.24	1.32		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.70		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.40		
CATTLE		TON % *	11.0	61.3		
SHEEP		TON % *	11.1	61.6		
ACID INSOLUBLE ASH (SILICA)		%	0.41	2.30		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-092

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.8	100.0	16	48
DM IN VITRO (TILLY)	DIG COEF	%	77.	77.		2
ORGANIC MATTER		%	16.6	88.2	10	41
ASH		%	2.2	11.8	10	41
CRUDE FIBER		%	5.7	30.3	12	45
ETHER EXTRACT		%	0.7	3.7	23	47
CATTLE	DIG COEF	%	57.	57.		1
NITROGEN FREE EXTRACT		%	7.7	41.2	9	41
PROTEIN		%	2.4	12.9	14	50
CATTLE	DIG COEF	%	63.	63.		1
CATTLE	DIG PROT	%	1.5	8.1		
GOATS	DIG PROT	% *	1.6	8.6		
HORSES	DIG PROT	% *	1.6	8.5		
RABBITS	DIG PROT	% *	1.6	8.6		
SHEEP	DIG PROT	% *	1.7	9.0		
CELL WALLS (VAN SOEST)		%	11.3	60.1		2
CELLULOSE (CRAMPTON)		%	6.1	32.3		1
CELLULOSE (VAN SOEST)		%	6.3	33.3		1
FIBER, ACID DETERGENT (VS)		%	8.3	44.3		1
LIGNIN (ELLIS)		%	1.5	8.1		1
LIGNIN KMNO4 (VS)		%	1.5	8.1		1
ENERGY	GE	KCAL/KG	819.	4354.		1
CATTLE	GE	DIG COEF %	63.	63.		1
CATTLE	DE	MCAL/KG	0.52	2.74		
SHEEP	DE	MCAL/KG *	0.50	2.65		
CATTLE	ME	MCAL/KG *	0.42	2.25		
SHEEP	ME	MCAL/KG *	0.41	2.17		
CATTLE	NE-M	MCAL/KG *	0.25	1.34		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.43		
CATTLE		TON % *	10.8	57.5		
SHEEP		TON % *	11.3	60.1		
CALCIUM		%	0.08	0.43		1
PHOSPHORUS		%	0.04	0.22		1
ACID INSOLUBLE ASH (SILICA)		%	0.49	2.60		1
DM INTAKE, CATTLE	% OF BODY WT		0.26	1.38		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 15 TO 28 DAYS' REGROWTH, (2)

REF NO 2-10-092

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.6	100.0	13	5
ORGANIC MATTER		%	21.0	92.6		5
ASH		%	1.7	7.4		
SHEEP	DIG COEF	%	35.	35.		
PROTEIN		%	2.1	9.5	23	5
SHEEP	DIG COEF	%	56.	56.	23	5
CATTLE	DIG PROT	% *	1.3	5.9		
GOATS	DIG PROT	% *	1.2	5.4		
HORSES	DIG PROT	% *	1.3	5.6		
RABBITS	DIG PROT	% *	1.4	6.0		
SHEEP	DIG PROT	%	1.2	5.3		
DM INTAKE, SHEEP		G/W 0.75	0.015	0.068	6	5

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-140

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.7	100.0	18	34
DM IN VITRO (TILLY)	DIG COEF	%	76.	76.		1
ORGANIC MATTER		%	16.5	88.0	41	30
ASH		%	2.2	12.0	41	31
CRUDE FIBER		%	6.4	34.2	64	33
ETHER EXTRACT		%	0.7	3.7	55	33
NITROGEN FREE EXTRACT		%	7.1	38.0	53	30
PROTEIN		%	2.3	12.1	57	36
CATTLE	DIG PROT	% *	1.5	8.2		
GOATS	DIG PROT	% *	1.5	7.9		
HORSES	DIG PROT	% *	1.5	7.8		
RABBITS	DIG PROT	% *	1.5	8.0		
SHEEP	DIG PROT	% *	1.6	8.3		
CELL WALLS (VAN SOEST)		%	12.8	68.3		1
CELLULOSE (VAN SOEST)		%	6.1	32.5		1
FIBER, ACID DETERGENT (VS)		%	8.2	43.9		1
HEMICELLULOSE		%	4.6	24.5		1
LIGNIN (ELLIS)		%	3.7	19.7		1
LIGNIN KMNO4 (VS)		%	1.5	8.1		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.43	2.28		
SHEEP	DE	MCAL/KG *	0.49	2.59		
CATTLE	ME	MCAL/KG *	0.35	1.87		
SHEEP	ME	MCAL/KG *	0.40	2.13		
CATTLE	NE-M	MCAL/KG *	0.21	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.35		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.06		
CATTLE		TON % *	9.7	51.7		
SHEEP		TON % *	11.0	58.8		
CALCIUM		%	0.81	4.31		2
IRON		%	0.005	0.024		1
PHOSPHORUS		%	0.22	1.15		2
ACID INSOLUBLE ASH (SILICA)		%	0.56	3.00		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-09-942

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.5	100.0	57	28
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.		1
ORGANIC MATTER		%	20.9	89.0	11	22
ASH		%	2.5	10.8	11	26
CRUDE FIBER		%	7.5	31.8	11	27
ETHER EXTRACT		%	0.7	3.1	24	30
CATTLE	DIG COEF	%	57.	57.		1
NITROGEN FREE EXTRACT		%	10.4	44.2	10	25
PROTEIN		%	2.4	10.1	21	32
CATTLE	DIG COEF	%	46.	46.		1
CATTLE	DIG PROT	%	1.1	4.6		
GOATS	DIG PROT	% *	1.4	5.9		
HORSES	DIG PROT	% *	1.4	6.1		
RABBITS	DIG PROT	% *	1.5	6.4		
SHEEP	DIG PROT	% *	1.5	6.4		
CELL CONTENTS (VAN SOEST)		%	7.5	32.0		1
CELL WALLS (VAN SOEST)		%	15.5	66.0	2	4
CELLULOSE (CRAMPTON)		%	8.1	34.4		1
CELLULOSE (VAN SOEST)		%	7.5	32.2		2
FIBER, ACID DETERGENT (VS)		%	9.6	41.1		2
HEMICELLULOSE		%	6.0	25.7		2
LIGNIN KMNO4 (VS)		%	1.3	5.5		2
ENERGY	GE	KCAL/KG	980.	4179.		1
CATTLE	GE	DIG COEF %	48.	48.		1
CATTLE	DE	MCAL/KG	0.47	2.01		
SHEEP	DE	MCAL/KG *	0.61	2.58		
CATTLE	ME	MCAL/KG *	0.39	1.64		
SHEEP	ME	MCAL/KG *	0.50	2.12		
CATTLE	NE-M	MCAL/KG *	0.23	0.98		
CATTLE	NE-GAIN	MCAL/KG *	0.02	0.08		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	0.85		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *	13.0	55.6		
SHEEP	TDN % *	13.7	58.6		
CALCIUM	%	0.15	0.63		2
PHOSPHORUS	%	0.06	0.25		2
POTASSIUM	%	0.22	0.94		1
ACID INSOLUBLE ASH (SILICA)	%	0.52	2.20		1
SODIUM	%	0.09	0.40		1
DM INTAKE, CATTLE % OF BODY WT		0.28	1.21		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-346

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.3	100.0	35	9
DM IN VITRO (TILLY) DIG COEF	%	72.	72.		2
ORGANIC MATTER	%	27.6	88.1		
ASH	%	3.7	11.9	28	7
CRUDE FIBER	%	9.3	29.8	17	7
ETHER EXTRACT	%	1.1	3.4		1
NITROGEN FREE EXTRACT	%	15.1	48.3		1
PROTEIN	%	2.1	6.7	31	11
CATTLE DIG PROT	% *	1.1	3.6		
GOATS DIG PROT	% *	0.9	2.8		
HORSES DIG PROT	% *	1.0	3.2		
RABBITS DIG PROT	% *	1.2	3.8		
SHEEP DIG PROT	% *	1.0	3.2		
CELL CONTENTS (VAN SOEST)	%	9.7	31.1		1
CELL WALLS (VAN SOEST)	%	21.6	69.0		2
CELLULOSE (CRAMPTON)	%	10.5	33.5		1
CELLULOSE (VAN SOEST)	%	10.1	32.3		2
FIBER, ACID DETERGENT (VS)	%	12.9	41.3		2
HEMICELLULOSE	%	8.7	27.7		2
LIGNIN KMNO4 (VS)	%	1.5	4.8		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.80	2.55		
SHEEP	DE MCAL/KG *	0.79	2.54		
CATTLE	ME MCAL/KG *	0.67	2.09		
SHEEP	ME MCAL/KG *	0.65	2.08		
CATTLE	NE-M MCAL/KG *	0.39	1.23		
CATTLE	NE-GAIN MCAL/KG *	0.18	0.59		
CATTLE	NE-LACTATION MCAL/KG *	0.40	1.27		
CATTLE	TDN % *	18.1	57.8		
SHEEP	TDN % *	18.0	57.5		
CALCIUM	%	0.10	0.34		2
PHOSPHORUS	%	0.06	0.18		2
ACID INSOLUBLE ASH (SILICA)	%	0.66	2.10		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-10-093

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.2	100.0		2
DM IN VITRO (TILLY) DIG COEF	%	68.	68.		1
ETHER EXTRACT	%	0.8	3.4		2
CATTLE DIG COEF	%	42.	42.		1
PROTEIN	%	1.9	8.3	33	5
CATTLE DIG COEF	%	40.	40.		1
CATTLE DIG PROT	%	0.8	3.3		
GOATS DIG PROT	% *	1.0	4.3		
HORSES DIG PROT	% *	1.1	4.6		
RABBITS DIG PROT	% *	1.2	5.1		
SHEEP DIG PROT	% *	1.1	4.7		
CELL CONTENTS (VAN SOEST)	%	6.1	26.5		2
CELL WALLS (VAN SOEST)	%	16.6	71.4	2	5
CELLULOSE (VAN SOEST)	%	7.5	32.2		3
FIBER, ACID DETERGENT (VS)	%	9.7	42.0		3
HEMICELLULOSE	%	7.0	30.3		3
LIGNIN KMNO4 (VS)	%	1.2	5.2		3
ENERGY	GE KCAL/KG	977.	4212.		1
CATTLE	GE DIG COEF %	46.	46.		1
CATTLE	DE MCAL/KG	0.45	1.94		
CATTLE	ME MCAL/KG *	0.37	1.59		
CATTLE	NE-M MCAL/KG *	0.22	0.96		
CATTLE	NE-GAIN MCAL/KG *	0.00	0.01		
CATTLE	NE-LACTATION MCAL/KG *	0.19	0.80		
CALCIUM	%	0.08	0.35		2
PHOSPHORUS	%	0.06	0.28		2
ACID INSOLUBLE ASH (SILICA)	%	0.49	2.10		1
DM INTAKE, CATTLE % OF BODY WT		0.27	1.16		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 35 TO 98 DAYS' GROWTH, (2)

REF NO 2-11-630

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.5	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	70.	70.		1
CELLULOSE (CRAMPTON)	%	10.6	34.6		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-10-349

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.0	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	66.	66.		1
PROTEIN	%	1.0	4.9		2
CATTLE DIG PROT	% *	0.4	2.1		
GOATS DIG PROT	% *	0.2	1.1		
HORSES DIG PROT	% *	0.3	1.7		
RABBITS DIG PROT	% *	0.5	2.5		
SHEEP DIG PROT	% *	0.3	1.6		
CELL CONTENTS (VAN SOEST)	%	5.7	28.5		1
CELL WALLS (VAN SOEST)	%	14.2	71.1		2
CELLULOSE (VAN SOEST)	%	6.0	30.0		2
FIBER, ACID DETERGENT (VS)	%	8.3	41.7		2
HEMICELLULOSE	%	5.9	29.5		2
LIGNIN KMNO4 (VS)	%	1.3	6.4		2
CALCIUM	%	0.04	0.21		1
PHOSPHORUS	%	0.03	0.16		1
ACID INSOLUBLE ASH (SILICA)	%	0.38	1.90		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)

REF NO 2-09-943

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.0	100.0		1
ORGANIC MATTER	%	14.9	82.9		1
ASH	%	2.2	12.4		2
CRUDE FIBER	%	5.3	29.5		2
ETHER EXTRACT	%	0.3	1.6		2
NITROGEN FREE EXTRACT	%	8.8	48.9		2
PROTEIN	%	1.4	7.6		2
CATTLE DIG PROT	% *	0.8	4.3		
GOATS DIG PROT	% *	0.7	3.6		
HORSES DIG PROT	% *	0.7	4.0		
RABBITS DIG PROT	% *	0.8	4.5		
SHEEP DIG PROT	% *	0.7	4.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.45	2.48		
SHEEP	DE MCAL/KG *	0.45	2.52		
CATTLE	ME MCAL/KG *	0.37	2.04		
SHEEP	ME MCAL/KG *	0.37	2.07		
CATTLE	NE-M MCAL/KG *	0.22	1.20		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.53		
CATTLE	NE-LACTATION MCAL/KG *	0.22	1.22		
CATTLE	TDN % *	10.1	56.3		
SHEEP	TDN % *	10.3	57.1		

DIGITARIA DECUMBENS, AERIAL PART, FRESH, 197 TO 210 DAYS' GROWTH, (2)

REF NO 2-09-944

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.0	100.0		1
ORGANIC MATTER	%	24.3	90.1		1
ASH	%	2.7	9.9		1
CRUDE FIBER	%	7.8	28.9		1
ETHER EXTRACT	%	0.6	2.1		1
NITROGEN FREE EXTRACT	%	13.4	49.7		1
PROTEIN	%	2.6	9.5		1
CATTLE DIG PROT	% *	1.6	5.9		
GOATS DIG PROT	% *	1.5	5.4		
HORSES DIG PROT	% *	1.5	5.6		
RABBITS DIG PROT	% *	1.6	6.0		
SHEEP DIG PROT	% *	1.6	5.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.70	2.60		
SHEEP	DE MCAL/KG *	0.71	2.63		
CATTLE	ME MCAL/KG *	0.57	2.13		
SHEEP	ME MCAL/KG *	0.58	2.16		
CATTLE	NE-M MCAL/KG *	0.34	1.26		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.62		
CATTLE	NE-LACTATION MCAL/KG *	0.35	1.31		
CATTLE	TDN % *	15.9	58.9		
SHEEP	TDN % *	16.1	59.8		

DIGITARIA DECUMBENS, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-10-114

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.4	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	48.	48.		1
ORGANIC MATTER	%	19.1	89.3	17	1
ASH	%	1.9	8.7	17	11
CRUDE FIBER	%	6.3	29.4	16	5
ETHER EXTRACT	%	0.5	2.2		2
NITROGEN FREE EXTRACT	%	10.7	49.9		2
PROTEIN	%	2.1	9.9	23	11
CATTLE DIG PROT	% *	1.4	6.3		
GOATS DIG PROT	% *	1.2	5.8		
HORSES DIG PROT	% *	1.3	6.0		
RABBITS DIG PROT	% *	1.4	6.3		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *	1.3	6.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.56	2.63		
SHEEP	DE MCAL/KG *	0.57	2.66		
CATTLE	ME MCAL/KG *	0.46	2.15		
SHEEP	ME MCAL/KG *	0.47	2.18		
CATTLE	NE-M MCAL/KG *	0.27	1.27		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.64		
CATTLE	NE-LACTATION MCAL/KG *	0.29	1.34		
CATTLE	TDN % *	12.7	59.6		
SHEEP	TDN % *	12.9	60.4		
CALCIUM	%	0.09	0.40	35	11
COBALT	MG/KG	0.060	0.280	58	9
COPPER	MG/KG	1.6	7.3	27	9
MAGNESIUM	%	0.03	0.15		1
MANGANESE	MG/KG	66.9	312.7	37	9
MOLYBDENUM	MG/KG	0.04	0.19	95	9
PHOSPHORUS	%	0.05	0.21	40	10

DIGITARIA DECUMBENS, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-17-512

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.3		
ASH	%		5.7		1
ETHER EXTRACT	%		5.5		1
NITROGEN FREE EXTRACT	%		47.2		1
PROTEIN	%		8.1		1
CATTLE	DIG PROT % *		4.8		
GOATS	DIG PROT % *		4.1		
HORSES	DIG PROT % *		4.4		
RABBITS	DIG PROT % *		4.9		
SHEEP	DIG PROT % *		4.5		
CELLULOSE (CRAMPTON)	%		33.4		1
CALCIUM	%		0.36		1
MAGNESIUM	%		0.20		1
PHOSPHORUS	%		0.30		1
ACID INSOLUBLE ASH (SILICA)	%		3.12		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-135

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.2	100.0		1
ORGANIC MATTER	%	19.4	91.3		
ASH	%	1.8	8.7	11	30
CRUDE FIBER	%	9.6	45.4	23	30
ETHER EXTRACT	%	0.3	1.4	27	30
NITROGEN FREE EXTRACT	%	7.9	37.4	30	30
PROTEIN	%	1.5	7.1	18	30
CATTLE	DIG PROT % *	0.8	3.9		
GOATS	DIG PROT % *	0.7	3.2		
HORSES	DIG PROT % *	0.8	3.5		
RABBITS	DIG PROT % *	0.9	4.1		
SHEEP	DIG PROT % *	0.8	3.6		
ALUMINUM	MG/KG	50.57	238.55	98	20
BORON	MG/KG	2.300	10.850	37	20
CALCIUM	%	0.17	0.79	38	21
COPPER	MG/KG	7.4	35.1	30	20
IRON	%	0.017	0.081	98	20
MAGNESIUM	%	0.06	0.27	31	20
MANGANESE	MG/KG	26.3	124.2	98	20
MOLYBDENUM	MG/KG	0.48	2.24	31	19
PHOSPHORUS	%	0.12	0.58	44	21
POTASSIUM	%	0.41	1.93	42	20
SELENIUM	MG/KG	1.071	5.050		1
SILICON	%	0.12	0.59	22	15
SODIUM	%	0.10	0.47	25	20
ZINC	MG/KG	11.9	56.2	21	20

DIGITARIA DECUMBENS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-10-351

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	75.3	100.0		1
ORGANIC MATTER	%	69.9	92.8		
ASH	%	5.4	7.2		1
CRUDE FIBER	%	23.0	30.5		1
SHEEP	DIG COEF %	82.	82.		1
ETHER EXTRACT	%	1.0	1.3		1
SHEEP	DIG COEF %	70.	70.		1
NITROGEN FREE EXTRACT	%	42.4	56.3		1
SHEEP	DIG COEF %	81.	81.		1
PROTEIN	%	3.5	4.7		1
SHEEP	DIG COEF %	67.	67.		1
CATTLE	DIG PROT % *	1.4	1.9		
GOATS	DIG PROT % *	0.7	0.9		
HORSES	DIG PROT % *	1.1	1.5		
RABBITS	DIG PROT % *	1.7	2.3		
SHEEP	DIG PROT %	2.4	3.1		
ENERGY	GE KCAL/KG				
SHEEP	GE DIG COEF %	78.	78.		1
CATTLE	DE MCAL/KG *	1.85	2.46		
SHEEP	DE MCAL/KG *	2.52	3.34		
CATTLE	ME MCAL/KG *	1.52	2.02		
SHEEP	ME MCAL/KG *	2.06	2.74		
CATTLE	NE-M MCAL/KG *	0.90	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.38	0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.91	1.21		
CATTLE	TDN % *	42.1	55.8		
SHEEP	TDN %	57.1	75.8		1
CALCIUM	%	0.26	0.35		1
PHOSPHORUS	%	0.07	0.09		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-03-491

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.5	100.0		1
ORGANIC MATTER	%	25.1	85.0		1
ASH	%	4.4	15.0		2
CRUDE FIBER	%	6.1	21.0		2
ETHER EXTRACT	%	0.4	1.7		2
NITROGEN FREE EXTRACT	%	15.6	53.1		2
PROTEIN	%	4.5	15.4		2
CATTLE	DIG PROT % *	3.2	11.0		
GOATS	DIG PROT % *	3.2	10.9		
HORSES	DIG PROT % *	3.1	10.6		
RABBITS	DIG PROT % *	3.1	10.5		
SHEEP	DIG PROT % *	3.3	11.3		
CALCIUM	%	1.11	3.76		1
IRON	%	0.013	0.044		1
PHOSPHORUS	%	0.33	1.12		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-09-924

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.9		
ASH	%		10.1		1
CRUDE FIBER	%		33.6		1
ETHER EXTRACT	%		2.8		1
NITROGEN FREE EXTRACT	%		40.3		1
PROTEIN	%		13.1		1
CATTLE	DIG PROT % *		9.1		
GOATS	DIG PROT % *		8.8		
HORSES	DIG PROT % *		8.7		
RABBITS	DIG PROT % *		8.8		
SHEEP	DIG PROT % *		9.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.44		
SHEEP	DE MCAL/KG *		2.62		
CATTLE	ME MCAL/KG *		2.00		
SHEEP	ME MCAL/KG *		2.14		
CATTLE	NE-M MCAL/KG *		1.18		
CATTLE	NE-GAIN MCAL/KG *		0.49		
CATTLE	NE-LACTATION MCAL/KG *		1.19		
CATTLE	TDN % *		55.4		
SHEEP	TDN % *		59.3		

DIGITARIA DECUMBENS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-218

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.1	100.0		3
ORGANIC MATTER	%	21.1	91.3		3
ASH	%	2.0	8.7		3
CRUDE FIBER	%	8.3	35.7		3
ETHER EXTRACT	%	0.5	2.4		3
NITROGEN FREE EXTRACT	%	10.1	43.9		3
PROTEIN	%	2.2	9.4		3
CATTLE	DIG PROT % *	1.4	5.9		
GOATS	DIG PROT % *	1.2	5.3		
HORSES	DIG PROT % *	1.3	5.5		
RABBITS	DIG PROT % *	1.4	5.9		
SHEEP	DIG PROT % *	1.3	5.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.53	2.31		
SHEEP	DE MCAL/KG *	0.59	2.54		
CATTLE	ME MCAL/KG *	0.44	1.89		
SHEEP	ME MCAL/KG *	0.48	2.08		
CATTLE	NE-M MCAL/KG *	0.26	1.12		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.38		
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.09		
CATTLE	TDN % *	12.1	52.4		
SHEEP	TDN % *	13.3	57.6		
CALCIUM	%	0.06	0.24		3
IRON	%	0.001	0.003		1
PHOSPHORUS	%	0.05	0.24		3
VITAMIN A EQUIV	IU/G	2.3	9.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, LATE BLOOM, (2)					
REF NO 2-10-408					
DRY MATTER	%	26.0	100.0		1
ORGANIC MATTER	%	23.0	88.6		1
ASH	%	3.0	11.4		1
CRUDE FIBER	%	7.5	28.9		1
ETHER EXTRACT	%	0.5	1.8		1
NITROGEN FREE EXTRACT	%	13.6	52.3		1
PROTEIN	%	1.5	5.6		1
CATTLE DIG PROT	% *	0.7	2.7		
GOATS DIG PROT	% *	0.5	1.8		
HORSES DIG PROT	% *	0.6	2.3		
RABBITS DIG PROT	% *	0.8	3.0		
SHEEP DIG PROT	% *	0.6	2.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.65	2.48		
SHEEP DE	MCAL/KG *	0.66	2.55		
CATTLE ME	MCAL/KG *	0.53	2.04		
SHEEP ME	MCAL/KG *	0.54	2.09		
CATTLE NE-M	MCAL/KG *	0.31	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.53		
CATTLE NE-LACTATION	MCAL/KG *	0.32	1.22		
CATTLE TDN	% *	14.6	56.3		
SHEEP TDN	% *	15.0	57.9		
CALCIUM	%	0.10	0.38		1
PHOSPHORUS	%	0.04	0.14		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-05-662					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.5		
ASH	%		11.5	13	14
CRUDE FIBER	%		36.8	9	14
ETHER EXTRACT	%		4.1	20	14
NITROGEN FREE EXTRACT	%		31.8	13	14
PROTEIN	%		13.8	19	14
CATTLE DIG PROT	% *		9.6		
GOATS DIG PROT	% *		9.5		
HORSES DIG PROT	% *		9.3		
RABBITS DIG PROT	% *		9.3		
SHEEP DIG PROT	% *		9.9		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *		2.67		
SHEEP ME	MCAL/KG *		2.19		
SHEEP TDN	% *		60.6		
ALUMINUM	MG/KG		65.80		2
BORON	MG/KG		3.555		2
CALCIUM	%		0.57	31	15
COBALT	MG/KG		0.109	76	14
COPPER	MG/KG		11.4	69	16
IRON	%		0.060		2
MAGNESIUM	%		0.21		2
MANGANESE	MG/KG		198.7	81	16
MOLYBDENUM	MG/KG		0.18	98	15
PHOSPHORUS	%		0.75	29	16
POTASSIUM	%		2.23		2
SILICON	%		0.55		2
SODIUM	%		0.32		2
ZINC	MG/KG		54.0		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, POST RIPE, (2)					
REF NO 2-17-469					
DRY MATTER	%	26.9	100.0		1
ORGANIC MATTER	%	23.6	87.8		
ASH	%	3.3	12.2		1
CRUDE FIBER	%	8.1	30.0		1
ETHER EXTRACT	%	0.7	2.7		1
NITROGEN FREE EXTRACT	%	11.5	42.7		1
PROTEIN	%	3.3	12.4		1
CATTLE DIG PROT	% *	2.3	8.5		
GOATS DIG PROT	% *	2.2	8.2		
HORSES DIG PROT	% *	2.2	8.1		
RABBITS DIG PROT	% *	2.2	8.3		
SHEEP DIG PROT	% *	2.3	8.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.67	2.49		
SHEEP DE	MCAL/KG *	0.70	2.60		
CATTLE ME	MCAL/KG *	0.55	2.04		
SHEEP ME	MCAL/KG *	0.57	2.13		
CATTLE NE-M	MCAL/KG *	0.32	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.53		
CATTLE NE-LACTATION	MCAL/KG *	0.33	1.23		
CATTLE TDN	% *	15.2	56.5		
SHEEP TDN	% *	15.9	59.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 1, (2)					
REF NO 2-10-547					
DRY MATTER	%	22.8	100.0	4	4
ORGANIC MATTER	%	20.7	90.8	2	4
ASH	%	2.1	9.2	2	4
CRUDE FIBER	%	7.5	32.8	2	4
ETHER EXTRACT	%	0.9	4.1	3	4
NITROGEN FREE EXTRACT	%	9.9	43.2	3	4
PROTEIN	%	2.4	10.7	7	4
CATTLE DIG PROT	% *	1.6	7.0		
GOATS DIG PROT	% *	1.5	6.5		
HORSES DIG PROT	% *	1.5	6.6		
RABBITS DIG PROT	% *	1.6	6.9		
SHEEP DIG PROT	% *	1.6	6.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.60	2.63		
SHEEP DE	MCAL/KG *	0.60	2.63		
CATTLE ME	MCAL/KG *	0.49	2.15		
SHEEP ME	MCAL/KG *	0.49	2.15		
CATTLE NE-M	MCAL/KG *	0.29	1.27		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.64		
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.34		
CATTLE TDN	% *	13.6	59.6		
SHEEP TDN	% *	13.6	59.6		
CALCIUM	%	0.06	0.27		3
IRON	%	0.001	0.006	13	4
PHOSPHORUS	%	0.11	0.49	10	4
VITAMIN A EQUIV	IU/G	76.5	335.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 2, (2)					
REF NO 2-10-386					
DRY MATTER	%	24.9	100.0	36	6
ORGANIC MATTER	%	22.0	88.7	19	6
ASH	%	2.8	11.3	19	6
CRUDE FIBER	%	8.1	32.8	13	6
ETHER EXTRACT	%	0.7	2.9	25	6
NITROGEN FREE EXTRACT	%	10.7	42.9	17	6
PROTEIN	%	2.5	10.1	36	6
CATTLE DIG PROT	% *	1.6	6.4		
GOATS DIG PROT	% *	1.5	6.0		
HORSES DIG PROT	% *	1.5	6.1		
RABBITS DIG PROT	% *	1.6	6.4		
SHEEP DIG PROT	% *	1.6	6.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.37		
SHEEP DE	MCAL/KG *	0.63	2.55		
CATTLE ME	MCAL/KG *	0.48	1.94		
SHEEP ME	MCAL/KG *	0.52	2.09		
CATTLE NE-M	MCAL/KG *	0.28	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.42		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.13		
CATTLE TDN	% *	13.3	53.7		
SHEEP TDN	% *	14.4	57.9		
CALCIUM	%	0.10	0.40	42	6
IRON	%	0.002	0.009	24	4
PHOSPHORUS	%	0.07	0.27	44	6
VITAMIN A EQUIV	IU/G	79.0	318.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 3, (2)					
REF NO 2-10-548					
DRY MATTER	%	28.9	100.0	15	8
ORGANIC MATTER	%	23.7	82.2	49	8
ASH	%	5.2	17.8	49	8
CRUDE FIBER	%	15.4	53.2	83	8
ETHER EXTRACT	%	1.3	4.4	94	8
NITROGEN FREE EXTRACT	%	3.1	10.9	63	8
PROTEIN	%	3.9	13.6	89	8
CATTLE DIG PROT	% *	2.7	9.5		
GOATS DIG PROT	% *	2.7	9.3		
HORSES DIG PROT	% *	2.6	9.1		
RABBITS DIG PROT	% *	2.7	9.2		
SHEEP DIG PROT	% *	2.8	9.7		
CALCIUM	%	0.13	0.47	49	8
IRON	%	0.004	0.013	65	4
MAGNESIUM	%	0.05	0.16	7	4
MANGANESE	MG/KG	6.2	21.5	21	4
PHOSPHORUS	%	0.14	0.50	65	8
POTASSIUM	%	0.31	1.06	22	4
ZINC	MG/KG	9.3	32.0		3
VITAMIN A EQUIV	IU/G	112.3	388.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 4, (2)						
REF NO 2-10-549						
DRY MATTER		%	35.4	100.0	22	5
ORGANIC MATTER		%	33.1	93.3	34	5
ASH		%	2.3	6.7	34	5
CRUDE FIBER		%	12.9	35.0	20	5
ETHER EXTRACT		%	0.9	2.6	26	5
NITROGEN FREE EXTRACT		%	17.3	48.8	22	5
PROTEIN		%	2.4	6.9	51	5
CATTLE	DIG PROT	% *	1.3	3.7		
GOATS	DIG PROT	% *	1.0	3.0		
HORSES	DIG PROT	% *	1.1	3.3		
RABBITS	DIG PROT	% *	1.4	4.0		
SHEEP	DIG PROT	% *	1.2	3.4		
CALCIUM		%	0.20	0.55	36	5
IRON		%	0.005	0.013		1
PHOSPHORUS		%	0.25	0.71	74	5
VITAMIN A EQUIV		IU/G	74.7	211.0		
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 5, (2)						
REF NO 2-10-550						
DRY MATTER		%	24.7	100.0		3
ORGANIC MATTER		%	23.3	94.4		3
ASH		%	1.4	5.6		3
CRUDE FIBER		%	7.4	30.0		3
ETHER EXTRACT		%	0.8	3.3		3
NITROGEN FREE EXTRACT		%	12.8	52.2		3
PROTEIN		%	2.2	8.9		3
CATTLE	DIG PROT	% *	1.3	5.4		
GOATS	DIG PROT	% *	1.1	4.8		
HORSES	DIG PROT	% *	1.2	5.0		
RABBITS	DIG PROT	% *	1.3	5.5		
SHEEP	DIG PROT	% *	1.2	5.2		
CALCIUM		%	0.24	0.98		3
PHOSPHORUS		%	0.24	0.97		3
VITAMIN A EQUIV		IU/G	109.5	443.5		
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 6, (2)						
REF NO 2-11-635						
DRY MATTER		%	25.1	100.0	15	4
ORGANIC MATTER		%	22.6	90.0	5	4
ASH		%	2.5	10.0	5	4
CRUDE FIBER		%	7.8	31.1	1	4
ETHER EXTRACT		%	0.9	3.7	13	4
NITROGEN FREE EXTRACT		%	11.7	46.8	5	4
PROTEIN		%	2.1	8.4	23	4
CATTLE	DIG PROT	% *	1.3	5.0		
GOATS	DIG PROT	% *	1.1	4.4		
HORSES	DIG PROT	% *	1.2	4.7		
RABBITS	DIG PROT	% *	1.3	5.2		
SHEEP	DIG PROT	% *	1.2	4.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.66	2.64		
SHEEP	DE MCAL/KG	*	0.65	2.58		
CATTLE	ME MCAL/KG	*	0.54	2.16		
SHEEP	ME MCAL/KG	*	0.53	2.12		
CATTLE	NE-M MCAL/KG	*	0.32	1.28		
CATTLE	NE-GAIN MCAL/KG	*	0.16	0.65		
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.35		
CATTLE	TDN	% *	15.0	59.9		
SHEEP	TDN	% *	14.7	58.6		
CALCIUM		%	0.08	0.32	14	4
PHOSPHORUS		%	0.08	0.32	21	4
VITAMIN A EQUIV		IU/G	38.9	154.9		
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 7, (2)						
REF NO 2-11-636						
DRY MATTER		%	22.0	100.0	7	4
ORGANIC MATTER		%	19.6	89.1	5	4
ASH		%	2.4	10.9	5	4
CRUDE FIBER		%	7.8	35.4	2	4
ETHER EXTRACT		%	0.7	3.2	6	4
NITROGEN FREE EXTRACT		%	9.5	43.1	4	4
PROTEIN		%	1.6	7.5	7	4
CATTLE	DIG PROT	% *	0.9	4.2		
GOATS	DIG PROT	% *	0.8	3.5		
HORSES	DIG PROT	% *	0.8	3.9		
RABBITS	DIG PROT	% *	1.0	4.4		
SHEEP	DIG PROT	% *	0.9	3.9		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.48	2.18		
SHEEP	DE MCAL/KG	*	0.55	2.48		
CATTLE	ME MCAL/KG	*	0.39	1.79		
SHEEP	ME MCAL/KG	*	0.45	2.04		
CATTLE	NE-M MCAL/KG	*	0.23	1.06		
CATTLE	NE-GAIN MCAL/KG	*	0.06	0.25		
CATTLE	NE-LACTATION MCAL/KG	*	0.22	0.99		
CATTLE	TDN	% *	10.9	49.4		
SHEEP	TDN	% *	12.4	56.4		
CALCIUM		%	0.06	0.25	11	4
PHOSPHORUS		%	0.09	0.43	13	4
VITAMIN A EQUIV		IU/G	25.6	116.6		
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 8, (2)						
REF NO 2-11-637						
DRY MATTER		%	29.8	100.0	7	4
ORGANIC MATTER		%	26.4	88.7	6	4
ASH		%	3.4	11.3	6	4
CRUDE FIBER		%	9.9	33.3	1	4
ETHER EXTRACT		%	1.1	3.7	6	4
NITROGEN FREE EXTRACT		%	13.5	45.3	1	4
PROTEIN		%	1.9	6.5	5	4
CATTLE	DIG PROT	% *	1.0	3.4		
GOATS	DIG PROT	% *	0.8	2.6		
HORSES	DIG PROT	% *	0.9	3.1		
RABBITS	DIG PROT	% *	1.1	3.7		
SHEEP	DIG PROT	% *	0.9	3.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.70	2.36		
SHEEP	DE MCAL/KG	*	0.74	2.48		
CATTLE	ME MCAL/KG	*	0.58	1.93		
SHEEP	ME MCAL/KG	*	0.61	2.04		
CATTLE	NE-M MCAL/KG	*	0.34	1.14		
CATTLE	NE-GAIN MCAL/KG	*	0.12	0.42		
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.12		
CATTLE	TDN	% *	15.9	53.4		
SHEEP	TDN	% *	16.8	56.3		
CALCIUM		%	0.10	0.32	15	4
PHOSPHORUS		%	0.13	0.42	16	4
VITAMIN A EQUIV		IU/G	31.4	105.2		
DIGITARIA DECUMBENS, AERIAL PART, FRESH, CUT 9, (2)						
REF NO 2-11-638						
DRY MATTER		%	24.2	100.0	11	4
ORGANIC MATTER		%	21.7	89.6	8	4
ASH		%	2.5	10.4	8	4
CRUDE FIBER		%	8.3	34.4	3	4
ETHER EXTRACT		%	0.7	3.0	6	4
NITROGEN FREE EXTRACT		%	10.4	43.1	4	4
PROTEIN		%	2.2	9.2	26	4
CATTLE	DIG PROT	% *	1.4	5.7		
GOATS	DIG PROT	% *	1.2	5.1		
HORSES	DIG PROT	% *	1.3	5.3		
RABBITS	DIG PROT	% *	1.4	5.7		
SHEEP	DIG PROT	% *	1.3	5.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.56	2.30		
SHEEP	DE MCAL/KG	*	0.61	2.54		
CATTLE	ME MCAL/KG	*	0.46	1.88		
SHEEP	ME MCAL/KG	*	0.50	2.08		
CATTLE	NE-M MCAL/KG	*	0.27	1.11		
CATTLE	NE-GAIN MCAL/KG	*	0.09	0.36		
CATTLE	NE-LACTATION MCAL/KG	*	0.26	1.08		
CATTLE	TDN	% *	12.6	52.1		
SHEEP	TDN	% *	13.9	57.5		
CALCIUM		%	0.06	0.23	1[illegible]	4
PHOSPHORUS		%	0.08	0.34	21	4
VITAMIN A EQUIV		IU/G	52.1	215.2		
DIGITARIA DECUMBENS, AERIAL PART, FRESH CHOPPED FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-10-365						
DRY MATTER		%	29.4	100.0	23	10
ORGANIC MATTER		%	26.7	90.7	7	10
ASH		%	2.7	9.3	7	10
SHEEP	DIG COEF	%	32.	32.		
CRUDE FIBER		%	8.2	28.1	11	10
SHEEP	DIG COEF	%	75.	75.	6	10
ETHER EXTRACT		%	0.6	2.2	20	10
SHEEP	DIG COEF	%	36.	36.	23	10
NITROGEN FREE EXTRACT		%	13.9	47.3	6	10
SHEEP	DIG COEF	%	64.	64.	10	10
PROTEIN		%	3.8	13.1	26	10
SHEEP	DIG COEF	%	66.	66.	12	10
CATTLE	DIG PROT	% *	2.6	9.0		
GOATS	DIG PROT	% *	2.6	8.8		
HORSES	DIG PROT	% *	2.5	8.6		
RABBITS	DIG PROT	% *	2.6	8.8		
SHEEP	DIG PROT	%	2.5	8.6		
FIBER, ACID DETERGENT (VS)		%	8.8	30.0	9	9
LIGNIN (ELLIS)		%	1.6	5.3	10	9

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.80	2.71		
SHEEP	DE MCAL/KG *	0.80	2.73		
CATTLE	ME MCAL/KG *	0.65	2.22		
SHEEP	ME MCAL/KG *	0.66	2.24		
CATTLE	NE-M MCAL/KG *	0.39	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.21	0.71		
CATTLE	NE-LACTATION MCAL/KG *	0.41	1.40		
CATTLE	TDN % *	18.0	61.4		
SHEEP	TDN %	18.2	61.9		

DIGITARIA DECUMBENS, AERIAL PART, FRESH CHOPPED FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-366

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.5	100.0	27	17
ORGANIC MATTER	%	24.9	90.7	10	17
ASH	%	2.6	9.3	10	17
SHEEP	DIG COEF %	34.	34.		
CRUDE FIBER	%	8.4	30.7	9	17
SHEEP	DIG COEF %	73.	73.	7	17
ETHER EXTRACT	%	0.6	2.1	20	17
SHEEP	DIG COEF %	37.	37.	28	16
NITROGEN FREE EXTRACT	%	13.1	47.8	7	17
SHEEP	DIG COEF %	62.	62.	9	17
PROTEIN	%	2.8	10.2	33	17
SHEEP	DIG COEF %	62.	62.	15	17
CATTLE	DIG PROT % *	1.8	6.5		
GOATS	DIG PROT % *	1.7	6.1		
HORSES	DIG PROT % *	1.7	6.2		
RABBITS	DIG PROT % *	1.8	6.5		
SHEEP	DIG PROT %	1.7	6.3		
FIBER, ACID DETERGENT (VS)	%	8.8	31.9	8	9
LIGNIN (ELLIS)	%	1.5	5.4	21	10
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.70	2.54		
SHEEP	DE MCAL/KG *	0.73	2.65		
CATTLE	ME MCAL/KG *	0.57	2.09		
SHEEP	ME MCAL/KG *	0.60	2.17		
CATTLE	NE-M MCAL/KG *	0.34	1.23		
CATTLE	NE-GAIN MCAL/KG *	0.16	0.58		
CATTLE	NE-LACTATION MCAL/KG *	0.35	1.27		
CATTLE	TDN % *	15.9	57.7		
SHEEP	TDN %	16.5	60.1		

DIGITARIA DECUMBENS, AERIAL PART, FRESH CHOPPED FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-369

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.6	100.0	19	5
ORGANIC MATTER	%	18.5	90.0	9	5
ASH	%	2.1	10.0	9	5
SHEEP	DIG COEF %	61.	61.		1
CRUDE FIBER	%	6.2	30.1	4	5
SHEEP	DIG COEF %	71.	71.	3	5
ETHER EXTRACT	%	0.6	2.7	22	5
SHEEP	DIG COEF %	51.	51.	11	5
NITROGEN FREE EXTRACT	%	9.6	46.6	4	5
SHEEP	DIG COEF %	59.	59.	10	5
PROTEIN	%	2.2	10.6	16	5
SHEEP	DIG COEF %	68.	68.	8	5
CATTLE	DIG PROT % *	1.4	6.9		
GOATS	DIG PROT % *	1.3	6.4		
HORSES	DIG PROT % *	1.3	6.5		
RABBITS	DIG PROT % *	1.4	6.9		
SHEEP	DIG PROT %	1.5	7.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.53	2.58		
SHEEP	DE MCAL/KG *	0.54	2.60		
CATTLE	ME MCAL/KG *	0.44	2.12		
SHEEP	ME MCAL/KG *	0.44	2.13		
CATTLE	NE-M MCAL/KG *	0.26	1.25		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.61		
CATTLE	NE-LACTATION MCAL/KG *	0.27	1.30		
CATTLE	TDN % *	12.1	58.6		
SHEEP	TDN %	12.2	58.9		

DIGITARIA DECUMBENS, AERIAL PART, FRESH CHOPPED FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-367

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.2	100.0	17	5
ORGANIC MATTER	%	27.5	91.2	5	5
ASH	%	2.7	8.8	5	5
SHEEP	DIG COEF %	40.	40.		
CRUDE FIBER	%	9.5	31.5	9	5
SHEEP	DIG COEF %	65.	65.	7	5
ETHER EXTRACT	%	0.6	2.1	12	5
SHEEP	DIG COEF %	44.	44.	25	5
NITROGEN FREE EXTRACT	%	15.1	49.9	6	5
SHEEP	DIG COEF %	60.	60.	5	5
PROTEIN	%	2.3	7.6	21	5
SHEEP	DIG COEF %	54.	54.	23	5
CATTLE	DIG PROT % *	1.3	4.4		
GOATS	DIG PROT % *	1.1	3.7		
HORSES	DIG PROT % *	1.2	4.0		
RABBITS	DIG PROT % *	1.4	4.6		
SHEEP	DIG PROT %	1.2	4.1		
FIBER, ACID DETERGENT (VS)	%	10.1	33.5		3
LIGNIN (ELLIS)	%	1.7	5.7		3
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.74	2.46		
SHEEP	DE MCAL/KG *	0.75	2.48		
CATTLE	ME MCAL/KG *	0.61	2.01		
SHEEP	ME MCAL/KG *	0.62	2.04		
CATTLE	NE-M MCAL/KG *	0.36	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.50		
CATTLE	NE-LACTATION MCAL/KG *	0.36	1.20		
CATTLE	TDN % *	16.8	55.7		
SHEEP	TDN %	17.0	56.3		

DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-09-702

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.0	100.0	28	42
DM IN VITRO (TILLY)	DIG COEF %	44.	44.		2
ORGANIC MATTER	%	16.1	89.5		
ASH	%	1.9	10.5	12	40
CRUDE FIBER	%	5.4	30.1	10	43
ETHER EXTRACT	%	0.7	3.8	18	38
NITROGEN FREE EXTRACT	%	7.8	43.5		1
PROTEIN	%	2.2	12.0	22	43
CATTLE	DIG PROT % *	1.5	8.1		
GOATS	DIG PROT % *	1.4	7.8		
HORSES	DIG PROT % *	1.4	7.7		
RABBITS	DIG PROT % *	1.4	8.0		
SHEEP	DIG PROT % *	1.5	8.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.48	2.67		
SHEEP	DE MCAL/KG *	0.48	2.66		
CATTLE	ME MCAL/KG *	0.40	2.19		
SHEEP	ME MCAL/KG *	0.39	2.18		
CATTLE	NE-M MCAL/KG *	0.23	1.30		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.68		
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.37		
CATTLE	TDN % *	10.9	60.6		
SHEEP	TDN % *	10.9	60.4		
CALCIUM	%	0.05	0.26		3
PHOSPHORUS	%	0.03	0.19		3
DM INTAKE, CATTLE	% OF BODY WT	0.32	1.80	29	21
DM INTAKE, SHEEP	G/W 0.75	0.007	0.040		2

DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' REGROWTH, (2)

REF NO 2-10-382

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.4	100.0	17	20
DM IN VITRO (TILLY)	DIG COEF %	60.	60.	10	16
ORGANIC MATTER	%	20.0	89.4	14	8
ASH	%	2.2	9.9	14	20
SHEEP	DIG COEF %	62.	62.		1
CRUDE FIBER	%	7.1	31.7	7	12
PROTEIN	%	2.2	9.9	28	20
SHEEP	DIG COEF %	54.	54.	31	8
CATTLE	DIG PROT % *	1.4	6.3		
GOATS	DIG PROT % *	1.3	5.8		
HORSES	DIG PROT % *	1.3	5.9		
RABBITS	DIG PROT % *	1.4	6.3		
SHEEP	DIG PROT %	1.2	5.3		
DM INTAKE, SHEEP	G/W 0.75	13.620	60.775	10	4

DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-632

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	13.9	100.0		3
ORGANIC MATTER	%	12.2	88.0		
ASH	%	1.7	12.0		3
ETHER EXTRACT	%	0.3	2.3		3
NITROGEN FREE EXTRACT	%	5.0	36.0		3
PROTEIN	%	1.5	10.6		3
CATTLE	DIG PROT % *	1.0	6.9		
GOATS	DIG PROT % *	0.9	6.4		
HORSES	DIG PROT % *	0.9	6.5		
RABBITS	DIG PROT % *	1.0	6.9		
SHEEP	DIG PROT % *	1.0	6.9		
CELLULOSE (CRAMPTON)	%	4.6	33.3		3
CALCIUM	%	0.08	0.61		3
PHOSPHORUS	%	0.07	0.49		3
POTASSIUM	%	0.38	2.76		3

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SODIUM		%	0.15	1.04		3

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 29 TO 42 DAYS' REGROWTH,
(2)

REF NO 2-10-380

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.5	100.0	22	24
DM IN VITRO (TILLY)	DIG COEF	%	53.	53.	12	16
ORGANIC MATTER		%	23.2	90.8	15	9
ASH		%	2.2	8.7	15	24
SHEEP	DIG COEF	%	35.	35.		
CRUDE FIBER		%	8.1	31.9	8	14
PROTEIN		%	2.1	8.1	33	24
SHEEP	DIG COEF	%	48.	48.	24	9
CATTLE	DIG PROT	% *	1.2	4.8		
GOATS	DIG PROT	% *	1.1	4.1		
HORSES	DIG PROT	% *	1.1	4.4		
RABBITS	DIG PROT	% *	1.3	4.9		
SHEEP	DIG PROT	%	1.0	3.9		
DM INTAKE, SHEEP		G/W 0.75	14.497	56.840	7	5

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-139

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.3	100.0		1
ORGANIC MATTER		%	28.0	89.4		
ASH		%	3.3	10.6		1
ETHER EXTRACT		%	0.4	1.4		1
NITROGEN FREE EXTRACT		%	15.3	48.8		1
PROTEIN		%	2.8	9.0	32	4
CATTLE	DIG PROT	% *	1.7	5.6		
GOATS	DIG PROT	% *	1.6	5.0		
HORSES	DIG PROT	% *	1.6	5.2		
RABBITS	DIG PROT	% *	1.8	5.6		
SHEEP	DIG PROT	% *	1.7	5.4		
CELLULOSE (CRAMPTON)		%	10.4	33.2		1
CALCIUM		%	0.21	0.67		1
COPPER		MG/KG	2.0	6.4		1
IRON		%	0.014	0.046		1
MAGNESIUM		%	0.03	0.11		1
MANGANESE		MG/KG	26.1	83.3		1
PHOSPHORUS		%	0.06	0.20		1
POTASSIUM		%	0.35	1.11		1
SODIUM		%	0.10	0.31		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 43 TO 56 DAYS' REGROWTH,
(2)

REF NO 2-10-378

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.8	100.0	18	21
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.	12	12
ORGANIC MATTER		%	27.5	92.1	26	7
ASH		%	2.5	8.5	26	21
SHEEP	DIG COEF	%	38.	38.		
CRUDE FIBER		%	9.3	31.2	7	13
PROTEIN		%	1.9	6.2	38	21
SHEEP	DIG COEF	%	32.	32.	28	8
CATTLE	DIG PROT	% *	1.0	3.2		
GOATS	DIG PROT	% *	0.7	2.4		
HORSES	DIG PROT	% *	0.8	2.8		
RABBITS	DIG PROT	% *	1.0	3.5		
SHEEP	DIG PROT	%	0.6	2.0		
DM INTAKE, SHEEP		G/W 0.75	16.540	55.425	3	4

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-345

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.1	100.0	4	4
ORGANIC MATTER		%	21.0	90.6		
ASH		%	2.2	9.4		1
ETHER EXTRACT		%	0.3	1.1		1
NITROGEN FREE EXTRACT		%	10.5	45.6		1
PROTEIN		%	2.5	10.8	34	4
CATTLE	DIG PROT	% *	1.6	7.0		
GOATS	DIG PROT	% *	1.5	6.6		
HORSES	DIG PROT	% *	1.5	6.7		
RABBITS	DIG PROT	% *	1.6	7.0		
SHEEP	DIG PROT	% *	1.6	7.0		
CELL CONTENTS (VAN SOEST)		%	7.8	33.5		3
CELL WALLS (VAN SOEST)		%	15.4	66.5		3
CELLULOSE (CRAMPTON)		%	8.2	35.3		1
CELLULOSE (VAN SOEST)		%	7.2	31.3		3
FIBER, ACID DETERGENT (VS)		%	9.3	40.1		3
HEMICELLULOSE		%	6.1	26.2		3
LIGNIN KMNO4 (VS)		%	1.0	4.2		3
CALCIUM		%	0.07	0.29	30	4
PHOSPHORUS		%	0.06	0.26	8	4
POTASSIUM		%	0.38	1.63		1
SODIUM		%	0.23	0.99		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 57 TO 70 DAYS' REGROWTH,
(2)

REF NO 2-10-376

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.5	100.0	20	19
DM IN VITRO (TILLY)	DIG COEF	%	49.	49.	7	10
ORGANIC MATTER		%	30.4	93.7	12	5
ASH		%	2.3	7.0	12	19
SHEEP	DIG COEF	%	36.	36.		
CRUDE FIBER		%	10.3	31.8	5	15
PROTEIN		%	1.7	5.4	39	19
SHEEP	DIG COEF	%	25.	25.	53	5
CATTLE	DIG PROT	% *	0.8	2.4		
GOATS	DIG PROT	% *	0.5	1.6		
HORSES	DIG PROT	% *	0.7	2.1		
RABBITS	DIG PROT	% *	0.9	2.8		
SHEEP	DIG PROT	%	0.4	1.3		
DM INTAKE, SHEEP		G/W 0.75	10.218	31.460	83	8

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-347

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.8	100.0	7	7
PROTEIN		%	2.3	10.1	16	10
CATTLE	DIG PROT	% *	1.5	6.5		
GOATS	DIG PROT	% *	1.4	6.0		
HORSES	DIG PROT	% *	1.4	6.1		
RABBITS	DIG PROT	% *	1.5	6.5		
SHEEP	DIG PROT	% *	1.5	6.4		
CELL CONTENTS (VAN SOEST)		%	6.7	29.5	8	7
CELL WALLS (VAN SOEST)		%	16.1	70.5	3	7
CELLULOSE (VAN SOEST)		%	7.1	31.0	5	7
FIBER, ACID DETERGENT (VS)		%	9.6	42.2	5	7
HEMICELLULOSE		%	6.5	28.3	9	7
LIGNIN (ELLIS)		%	2.0	8.9		1
LIGNIN KMNO4 (VS)		%	1.0	4.5	13	7
CALCIUM		%	0.08	0.34	15	8
MAGNESIUM		%	0.06	0.28		1
PHOSPHORUS		%	0.05	0.22	11	8
POTASSIUM		%	0.53	2.32		1

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-10-348

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.2	100.0	9	6
PROTEIN		%	2.1	9.9	14	6
CATTLE	DIG PROT	% *	1.3	6.3		
GOATS	DIG PROT	% *	1.2	5.8		
HORSES	DIG PROT	% *	1.3	5.9		
RABBITS	DIG PROT	% *	1.3	6.3		
SHEEP	DIG PROT	% *	1.3	6.2		
CELL CONTENTS (VAN SOEST)		%	5.6	26.6	8	6
CELL WALLS (VAN SOEST)		%	15.5	73.4	3	6
CELLULOSE (VAN SOEST)		%	6.7	31.8	3	6
FIBER, ACID DETERGENT (VS)		%	8.7	41.2	2	6
HEMICELLULOSE		%	6.8	32.1	9	6
LIGNIN KMNO4 (VS)		%	0.9	4.4	18	6
CALCIUM		%	0.07	0.34	26	6
PHOSPHORUS		%	0.05	0.24	7	6

DIGITARIA DECUMBENS, AERIAL PART, FRESH
FERTILIZED, 71 TO 84 DAYS' REGROWTH,
(2)

REF NO 2-10-374

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	37.4	100.0	25	18
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.	9	10
ORGANIC MATTER		%	35.2	94.3	11	2
ASH		%	2.4	6.5	11	18
SHEEP	DIG COEF	%	36.	36.		
CRUDE FIBER		%	11.6	31.0	5	12
PROTEIN		%	1.9	5.1	36	18
SHEEP	DIG COEF	%	25.	25.		2
CATTLE	DIG PROT	% *	0.8	2.2		
GOATS	DIG PROT	% *	0.5	1.3		
HORSES	DIG PROT	% *	0.7	1.8		
RABBITS	DIG PROT	% *	1.0	2.6		
SHEEP	DIG PROT	%	0.5	1.3		
DM INTAKE, SHEEP		G/W 0.75	9.276	24.806	98	10

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, 85 TO 98 DAYS' REGROWTH, (2)					
REF NO 2-10-372					
DRY MATTER	%	36.3	100.0	32	8
OM IN VITRO (TILLY) DIG COEF	%	50.	50.	9	5
ORGANIC MATTER	%	33.8	93.0		
ASH	%	2.5	7.0	8	7
CRUDE FIBER	%	11.7	32.4	12	5
PROTEIN	%	1.7	4.6	47	7
CATTLE DIG PROT	% *	0.6	1.8		
GOATS. DIG PROT	% *	0.3	0.8		
HORSES DIG PROT	% *	0.5	1.4		
RABBITS DIG PROT	% *	0.8	2.2		
SHEEP DIG PROT	% *	0.5	1.3		
OM INTAKE, SHEEP	G/W 0.75	9.746	26.858	91	5
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, 99 TO 112 DAYS' GROWTH, (2)					
REF NO 2-10-350					
DRY MATTER	%	20.4	100.0		3
PROTEIN	%	1.1	5.3		3
CATTLE DIG PROT	% *	0.5	2.4		
GOATS DIG PROT	% *	0.3	1.5		
HORSES DIG PROT	% *	0.4	2.0		
RABBITS DIG PROT	% *	0.6	2.7		
SHEEP DIG PROT	% *	0.4	1.9		
CELL CONTENTS (VAN SOEST)	%	5.1	25.1		3
CELL WALLS (VAN SOEST)	%	15.2	74.9		3
CELLULOSE (VAN SOEST)	%	6.0	29.5		3
FIBER, ACID DETERGENT (VS)	%	8.2	40.4		3
HEMICELLULOSE	%	7.0	34.4		3
LIGNIN KMNO4 (VS)	%	1.1	5.4		3
CALCIUM	%	0.05	0.24		3
PHOSPHORUS	%	0.04	0.19		3
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, (2)					
REF NO 2-10-137					
DRY MATTER	%	55.8	100.0		2
ORGANIC MATTER	%	51.4	92.1		
ASH	%	4.4	7.9	24	4
CRUDE FIBER	%	18.1	32.5	7	4
ETHER EXTRACT	%	1.0	1.8	21	4
NITROGEN FREE EXTRACT	%	28.5	51.1	4	4
PROTEIN	%	3.8	6.7	24	4
CATTLE DIG PROT	% *	2.0	3.6		
GOATS DIG PROT	% *	1.6	2.8		
HORSES DIG PROT	% *	1.8	3.2		
RABBITS DIG PROT	% *	2.2	3.9		
SHEEP DIG PROT	% *	1.8	3.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	1.34	2.40		
SHEEP DE MCAL/KG	*	1.43	2.56		
CATTLE ME MCAL/KG	*	1.10	1.97		
SHEEP ME MCAL/KG	*	1.17	2.10		
CATTLE NE-M MCAL/KG	*	0.65	1.16		
CATTLE NE-GAIN MCAL/KG	*	0.25	0.46		
CATTLE NE-LACTATION MCAL/KG	*	0.65	1.16		
CATTLE TDN	% *	30.4	54.5		
SHEEP TDN	% *	32.3	58.0		
CALCIUM	%	0.13	0.22	17	4
PHOSPHORUS	%	0.20	0.35	7	4
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)					
REF NO 2-10-134					
DRY MATTER	%	22.9	100.0		1
ORGANIC MATTER	%	21.3	92.9		1
ASH	%	1.6	7.1		1
CRUDE FIBER	%	8.3	36.3		1
ETHER EXTRACT	%	0.5	2.3		1
NITROGEN FREE EXTRACT	%	10.3	45.1		1
PROTEIN	%	2.1	9.2		1
CATTLE DIG PROT	% *	1.3	5.7		
GOATS DIG PROT	% *	1.2	5.1		
HORSES DIG PROT	% *	1.2	5.3		
RABBITS DIG PROT	% *	1.3	5.8		
SHEEP DIG PROT	% *	1.3	5.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	0.53	2.31		
SHEEP DE MCAL/KG	*	0.58	2.55		
CATTLE ME MCAL/KG	*	0.43	1.89		
SHEEP ME MCAL/KG	*	0.48	2.09		
CATTLE NE-M MCAL/KG	*	0.26	1.12		
CATTLE NE-GAIN MCAL/KG	*	0.09	0.37		
CATTLE NE-LACTATION MCAL/KG	*	0.25	1.09		
CATTLE TDN	% *	12.0	52.4		
SHEEP TDN	% *	13.3	57.9		
CALCIUM	%	0.03	0.13		1
PHOSPHORUS	%	0.04	0.16		1
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, LATE BLOOM, CUT 1, (2)					
REF NO 2-10-388					
DRY MATTER	%	16.8	100.0		3
ORGANIC MATTER	%	15.0	89.4		3
ASH	%	1.8	10.6		3
CRUDE FIBER	%	5.2	30.9		3
ETHER EXTRACT	%	0.3	1.8		3
NITROGEN FREE EXTRACT	%	8.6	51.1		3
PROTEIN	%	1.0	5.7		3
CATTLE DIG PROT	% *	0.5	2.7		
GOATS DIG PROT	% *	0.3	1.8		
HORSES DIG PROT	% *	0.4	2.3		
RABBITS DIG PROT	% *	0.5	3.0		
SHEEP DIG PROT	% *	0.4	2.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	0.40	2.41		
SHEEP DE MCAL/KG	*	0.42	2.52		
CATTLE ME MCAL/KG	*	0.33	1.97		
SHEEP ME MCAL/KG	*	0.35	2.07		
CATTLE NE-M MCAL/KG	*	0.20	1.16		
CATTLE NE-GAIN MCAL/KG	*	0.08	0.46		
CATTLE NE-LACTATION MCAL/KG	*	0.20	1.16		
CATTLE TDN	% *	9.2	54.6		
SHEEP TDN	% *	9.6	57.1		
CALCIUM	%	0.05	0.31		3
PHOSPHORUS	%	0.02	0.12		3
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, CUT 1, (2)					
REF NO 2-11-212					
DRY MATTER	%	20.1	100.0	14	28
CRUDE FIBER	%	7.9	39.3	13	28
PROTEIN	%	1.9	9.4	37	28
CATTLE DIG PROT	% *	1.2	5.9		
GOATS DIG PROT	% *	1.1	5.3		
HORSES DIG PROT	% *	1.1	5.5		
RABBITS DIG PROT	% *	1.2	5.9		
SHEEP DIG PROT	% *	1.2	5.7		
CALCIUM	%	0.04	0.21	15	28
PHOSPHORUS	%	0.04	0.22	34	28
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, CUT 2, (2)					
REF NO 2-10-387					
DRY MATTER	%	34.7	100.0	25	36
ORGANIC MATTER	%	30.2	87.1	20	6
ASH	%	4.5	12.9	20	6
CRUDE FIBER	%	11.3	32.6	9	37
ETHER EXTRACT	%	0.8	2.3	10	6
NITROGEN FREE EXTRACT	%	15.1	43.7	6	6
PROTEIN	%	3.0	8.5	30	37
CATTLE DIG PROT	% *	1.8	5.1		
GOATS DIG PROT	% *	1.6	4.5		
HORSES DIG PROT	% *	1.6	4.6		
RABBITS DIG PROT	% *	1.8	5.2		
SHEEP DIG PROT	% *	1.7	4.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	0.80	2.31		
SHEEP DE MCAL/KG	*	0.86	2.48		
CATTLE ME MCAL/KG	*	0.66	1.89		
SHEEP ME MCAL/KG	*	0.70	2.03		
CATTLE NE-M MCAL/KG	*	0.39	1.12		
CATTLE NE-GAIN MCAL/KG	*	0.13	0.38		
CATTLE NE-LACTATION MCAL/KG	*	0.38	1.09		
CATTLE TDN	% *	18.2	52.4		
SHEEP TDN	% *	19.5	56.2		
CALCIUM	%	0.10	0.30	39	37
PHOSPHORUS	%	0.06	0.17	27	37
DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, CUT 3, (2)					
REF NO 2-11-297					
DRY MATTER	%	29.4	100.0	24	24
CRUDE FIBER	%	10.1	34.5	7	24
PROTEIN	%	2.8	9.6	38	24
CATTLE DIG PROT	% *	1.8	6.0		
GOATS DIG PROT	% *	1.6	5.5		
HORSES DIG PROT	% *	1.7	5.6		
RABBITS DIG PROT	% *	1.8	6.1		
SHEEP DIG PROT	% *	1.7	5.9		
CALCIUM	%	0.05	0.18	28	24

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%	0.06	0.19	16	28

DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, CUT 4, (2)

REF NO 2-11-298

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.2	100.0	25	23
CRUDE FIBER		%	10.6	32.3	6	22
PROTEIN		%	4.2	13.2	53	24
CATTLE	DIG PROT	% *	2.9	9.1		
GOATS	DIG PROT	% *	2.9	8.9		
HORSES	DIG PROT	% *	2.8	8.7		
RABBITS	DIG PROT	% *	2.8	8.9		
SHEEP	DIG PROT	% *	3.0	9.3		
CALCIUM		%	0.06	0.20	35	23
PHOSPHORUS		%	0.06	0.20	22	23

DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, CUT 5, (2)

REF NO 2-13-004

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	34.1	100.0	14	5
CRUDE FIBER		%	10.2	29.9	2	5
PROTEIN		%	3.9	11.6	51	5
CATTLE	DIG PROT	% *	2.6	7.7		
GOATS	DIG PROT	% *	2.5	7.4		
HORSES	DIG PROT	% *	2.5	7.4		
RABBITS	DIG PROT	% *	2.6	7.6		
SHEEP	DIG PROT	% *	2.7	7.8		
CALCIUM		%	0.12	0.34	15	5
PHOSPHORUS		%	0.06	0.17	8	5

DIGITARIA DECUMBENS, AERIAL PART, FRESH FERTILIZED, CUT 6, (2)

REF NO 2-13-003

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	37.2	100.0	15	4
CRUDE FIBER		%	11.4	30.8	5	5
PROTEIN		%	4.3	11.7	37	5
CATTLE	DIG PROT	% *	2.9	7.8		
GOATS	DIG PROT	% *	2.8	7.5		
HORSES	DIG PROT	% *	2.8	7.4		
RABBITS	DIG PROT	% *	2.9	7.7		
SHEEP	DIG PROT	% *	2.9	7.9		
CALCIUM		%	0.13	0.34	21	5
PHOSPHORUS		%	0.07	0.18	12	5

DIGITARIA DECUMBENS, LEAVES, FRESH, (2)

REF NO 2-09-595

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.1		
ASH		%		9.9	28	98
CRUDE FIBER		%		31.1	13	98
ETHER EXTRACT		%		2.1	39	98
NITROGEN FREE EXTRACT		%		47.7	16	98
PROTEIN		%		9.2	47	98
CATTLE	DIG PROT	% *		5.7		
GOATS	DIG PROT	% *		5.2		
HORSES	DIG PROT	% *		5.4		
RABBITS	DIG PROT	% *		5.8		
SHEEP	DIG PROT	% *		5.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.49		
SHEEP	DE MCAL/KG	*		2.58		
CATTLE	ME MCAL/KG	*		2.04		
SHEEP	ME MCAL/KG	*		2.12		
CATTLE	NE-M MCAL/KG	*		1.20		
CATTLE	NE-GAIN MCAL/KG	*		0.53		
CATTLE	NE-LACTATION MCAL/KG	*		1.23		
CATTLE	TDN	% *		56.4		
SHEEP	TDN	% *		58.5		
CALCIUM		%		0.54	79	98
PHOSPHORUS		%		0.17	88	98

DIGITARIA DECUMBENS, LEAVES, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-659

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
CRUDE FIBER		%		27.2		1
ETHER EXTRACT		%		3.2		1
NITROGEN FREE EXTRACT		%		48.8		1
PROTEIN		%		12.8		1
CATTLE	DIG PROT	% *		8.8		
GOATS	DIG PROT	% *		8.5		
HORSES	DIG PROT	% *		8.4		
RABBITS	DIG PROT	% *		8.6		
SHEEP	DIG PROT	% *		8.9		
LIGNIN (ELLIS)		%		8.8		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.98		
SHEEP	DE MCAL/KG	*		2.78		
CATTLE	ME MCAL/KG	*		2.45		
SHEEP	ME MCAL/KG	*		2.26		
CATTLE	NE-M MCAL/KG	*		1.48		
CATTLE	NE-GAIN MCAL/KG	*		0.91		
CATTLE	NE-LACTATION MCAL/KG	*		1.61		
CATTLE	TDN	% *		67.7		
SHEEP	TDN	% *		63.1		
CALCIUM		%		0.76		1
MAGNESIUM		%		0.18		1
PHOSPHORUS		%		0.26		1
POTASSIUM		%		1.90		1

DIGITARIA DECUMBENS, STEMS, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-660

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
CRUDE FIBER		%		32.4		1
ETHER EXTRACT		%		1.4		1
NITROGEN FREE EXTRACT		%		52.3		1
PROTEIN		%		8.1		1
CATTLE	DIG PROT	% *		4.8		
GOATS	DIG PROT	% *		4.1		
HORSES	DIG PROT	% *		4.4		
RABBITS	DIG PROT	% *		4.9		
SHEEP	DIG PROT	% *		4.5		
LIGNIN (ELLIS)		%		8.6		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.47		
SHEEP	DE MCAL/KG	*		2.61		
CATTLE	ME MCAL/KG	*		2.06		
SHEEP	ME MCAL/KG	*		2.14		
CATTLE	NE-M MCAL/KG	*		1.20		
CATTLE	NE-GAIN MCAL/KG	*		0.52		
CATTLE	NE-LACTATION MCAL/KG	*		1.22		
CATTLE	TDN	% *		56.1		
SHEEP	TDN	% *		59.3		
CALCIUM		%		0.25		1
MAGNESIUM		%		0.10		1
PHOSPHORUS		%		0.15		1
POTASSIUM		%		1.90		1

DIGITARIA DECUMBENS, AERIAL PART, ENSILED, (3)

REF NO 3-03-495

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	54.3	100.0		2
ORGANIC MATTER		%	48.4	89.2		
ASH		%	5.9	10.8		2
CRUDE FIBER		%	18.6	34.3		2
ETHER EXTRACT		%	1.9	3.4		2
NITROGEN FREE EXTRACT		%	22.8	42.0		2
PROTEIN		%	5.1	9.4		2
CATTLE	DIG PROT	% *	2.6	4.8		
GOATS	DIG PROT	% *	2.6	4.8		
HORSES	DIG PROT	% *	2.6	4.8		
SHEEP	DIG PROT	% *	2.6	4.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.31	2.41		
SHEEP	DE MCAL/KG	*	1.35	2.49		
CATTLE	ME MCAL/KG	*	1.07	1.97		
SHEEP	ME MCAL/KG	*	1.11	2.04		
CATTLE	NE-M MCAL/KG	*	0.63	1.16		
CATTLE	NE-GAIN MCAL/KG	*	0.25	0.46		
CATTLE	NE-LACTATION MCAL/KG	*	0.63	1.16		
CATTLE	TDN	% *	29.6	54.6		
SHEEP	TDN	% *	30.6	56.4		

DIGITARIA DECUMBENS, AERIAL PART, ENSILED, MATURE, (3)

REF NO 3-03-494

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.9	100.0		1
ORGANIC MATTER		%	20.6	90.0		1
ASH		%	2.3	10.0		1
CRUDE FIBER		%	6.9	29.9		1
ETHER EXTRACT		%	0.4	1.9		1
NITROGEN FREE EXTRACT		%	10.6	46.5		1
PROTEIN		%	2.7	11.7		1
CATTLE	DIG PROT	% *	1.6	6.9		
GOATS	DIG PROT	% *	1.6	6.9		
HORSES	DIG PROT	% *	1.6	6.9		
SHEEP	DIG PROT	% *	1.6	6.9		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.57	2.49		
SHEEP	DE MCAL/KG	*	0.59	2.56		
CATTLE	ME MCAL/KG	*	0.47	2.04		
SHEEP	ME MCAL/KG	*	0.48	2.10		
CATTLE	NE-M MCAL/KG	*	0.28	1.20		
CATTLE	NE-GAIN MCAL/KG	*	0.12	0.53		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.23		
CATTLE		TDN % *	12.9	56.4		
SHEEP		TDN % *	13.1	58.1		

DIGITARIA DECUMBENS, STYLOSANTHES GUIANENSIS, PANGOLAGRASS-PENCILFLOWER

DIGITARIA DECUMBENS, STYLOSANTHES GUIANENSIS, AERIAL PART, FRESH, (2)

REF NO 2-04-638

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.0		
ASH		%		7.0		1
CRUDE FIBER		%		36.5		1
ETHER EXTRACT		%		3.6		1
NITROGEN FREE EXTRACT		%		44.2		1
PROTEIN		%		10.7		1
CATTLE	DIG PROT	% *		7.0		
GOATS	DIG PROT	% *		6.5		
HORSES	DIG PROT	% *		6.6		
RABBITS	DIG PROT	% *		8.9		
SHEEP	DIG PROT	% *		7.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.55		
SHEEP	DE	MCAL/KG *		2.66		
CATTLE	ME	MCAL/KG *		2.09		
SHEEP	ME	MCAL/KG *		2.17		
CATTLE	NE-M	MCAL/KG *		1.23		
CATTLE	NE-GAIN	MCAL/KG *		0.58		
CATTLE	NE-LACTATION	MCAL/KG *		1.27		
CATTLE		TDN % *		57.7		
SHEEP		TDN % *		60.0		

DIGITARIA EXIANTHA, FINGERGRASS, WOOLLY

DIGITARIA EXIANTHA WOOLLY, AERIAL PART, FRESH, (2)

REF NO 2-10-884

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.9	100.0	17	4
ORGANIC MATTER		%	21.6	90.7		
ASH		%	2.2	9.4	11	4
CRUDE FIBER		%	7.3	30.4	16	4
ETHER EXTRACT		%	0.5	2.2	11	4
NITROGEN FREE EXTRACT		%	10.9	45.6	8	4
PROTEIN		%	3.0	12.5	16	4
CATTLE	DIG PROT	% *	2.0	8.5		
GOATS	DIG PROT	% *	2.0	8.2		
HORSES	DIG PROT	% *	1.9	8.1		
RABBITS	DIG PROT	% *	2.0	8.3		
SHEEP	DIG PROT	% *	2.1	8.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.62	2.60		
SHEEP	DE	MCAL/KG *	0.63	2.65		
CATTLE	ME	MCAL/KG *	0.51	2.13		
SHEEP	ME	MCAL/KG *	0.52	2.17		
CATTLE	NE-M	MCAL/KG *	0.30	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.32		
CATTLE		TDN % *	14.1	59.0		
SHEEP		TDN % *	14.3	60.1		

DIGITARIA EXIANTHA WOOLLY, LEAVES, FRESH, (2)

REF NO 2-10-861

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.9		
ASH		%		12.1		1
CRUDE FIBER		%		25.4		1
ETHER EXTRACT		%		2.0		1
NITROGEN FREE EXTRACT		%		47.0		1
PROTEIN		%		13.5		1
CATTLE	DIG PROT	% *		9.4		
GOATS	DIG PROT	% *		9.1		
HORSES	DIG PROT	% *		9.0		
RABBITS	DIG PROT	% *		9.1		
SHEEP	DIG PROT	% *		9.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.69		
SHEEP	DE	MCAL/KG *		2.69		
CATTLE	ME	MCAL/KG *		2.20		
SHEEP	ME	MCAL/KG *		2.20		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.69		
CATTLE	NE-LACTATION	MCAL/KG *		1.38		
CATTLE		TDN % *		61.0		
SHEEP		TDN % *		61.0		
CALCIUM		%		0.27		1
PHOSPHORUS		%		0.02		1

DIGITARIA INSULARIS, CRABGRASS, INSULARIS

DIGITARIA INSULARIS INSULARIS, HAY, S-C, (1)

REF NO 1-11-056

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	81.6	100.0		1
ORGANIC MATTER		%	74.3	91.1		
ASH		%	7.3	8.9		1
CRUDE FIBER		%	38.7	47.4		1
ETHER EXTRACT		%	0.6	0.7		1
NITROGEN FREE EXTRACT		%	30.0	36.8		1
PROTEIN		%	5.1	6.2		1
CATTLE	DIG PROT	% *	1.9	2.3		
GOATS	DIG PROT	% *	1.9	2.3		
HORSES	DIG PROT	% *	2.3	2.8		
RABBITS	DIG PROT	% *	2.8	3.5		
SHEEP	DIG PROT	% *	1.7	2.1		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	1.70	2.09		
SHEEP	DE	MCAL/KG *	1.78	2.18		
CATTLE	ME	MCAL/KG *	1.40	1.71		
SHEEP	ME	MCAL/KG *	1.46	1.78		
CATTLE	NE-M	MCAL/KG *	0.83	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.16		
CATTLE	NE-LACTATION	MCAL/KG *	0.75	0.91		
CATTLE		TDN % *	38.6	47.3		
SHEEP		TDN % *	40.3	49.4		

DIGITARIA LONGIFLORA, CRABGRASS, LONGIFLORA

DIGITARIA LONGIFLORA LONGIFLORA, AERIAL PART, FRESH, (2)

REF NO 2-11-061

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.6	100.0		1
ORGANIC MATTER		%	22.4	91.1		
ASH		%	2.2	8.9		1
CRUDE FIBER		%	7.6	31.0		1
ETHER EXTRACT		%	0.7	3.0		1
NITROGEN FREE EXTRACT		%	11.5	46.9		1
PROTEIN		%	2.4	9.6		1
CATTLE	DIG PROT	% *	1.5	6.1		
GOATS	DIG PROT	% *	1.4	5.5		
HORSES	DIG PROT	% *	1.4	5.7		
RABBITS	DIG PROT	% *	1.5	6.1		
SHEEP	DIG PROT	% *	1.5	5.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.55		
SHEEP	DE	MCAL/KG *	0.64	2.62		
CATTLE	ME	MCAL/KG *	0.52	2.09		
SHEEP	ME	MCAL/KG *	0.53	2.15		
CATTLE	NE-M	MCAL/KG *	0.30	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.28		
CATTLE		TDN % *	14.2	57.9		
SHEEP		TDN % *	14.6	59.4		

DIGITARIA LUGILANDESIS, CRABGRASS, LUGILANDESIS

DIGITARIA LUGILANDESIS LUGILANDESIS, AERIAL PART, FRESH, (2)

REF NO 2-17-471

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.8	100.0		1
ORGANIC MATTER		%	29.4	92.3		
ASH		%	2.4	7.7		1
CRUDE FIBER		%	9.7	30.5		1
ETHER EXTRACT		%	0.8	2.6		1
NITROGEN FREE EXTRACT		%	16.4	51.6		1
PROTEIN		%	2.4	7.7		1
CATTLE	DIG PROT	% *	1.4	4.6		
GOATS	DIG PROT	% *	1.2	3.7		
HORSES	DIG PROT	% *	1.3	4.0		
RABBITS	DIG PROT	% *	1.5	4.8		
SHEEP	DIG PROT	% *	1.3	4.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.83	2.61		
SHEEP	DE	MCAL/KG *	0.84	2.64		
CATTLE	ME	MCAL/KG *	0.68	2.14		
SHEEP	ME	MCAL/KG *	0.69	2.17		
CATTLE	NE-M	MCAL/KG *	0.40	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.63		
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.32		
CATTLE		TDN % *	18.8	59.1		
SHEEP		TDN % *	19.0	59.9		

DIGITARIA MACROGLOSSA, CRABGRASS, MACROGLOSSA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DIGITARIA MACROGLOSSA MACROGLOSSA, AERIAL PART, FRESH, (2)						
REF NO 2-11-057						
DRY MATTER		%	25.2	100.0		1
ORGANIC MATTER		%	22.3	88.3		
ASH		%	2.9	11.7		1
CRUDE FIBER		%	7.4	29.5		1
ETHER EXTRACT		%	0.5	1.8		1
NITROGEN FREE EXTRACT		%	12.1	48.1		1
PROTEIN		%	2.2	8.9		1
CATTLE	DIG PROT	% *	1.4	5.5		
GOATS	DIG PROT	% *	1.2	4.9		
HORSES	DIG PROT	% *	1.3	5.1		
RABBITS	DIG PROT	% *	1.4	5.5		
SHEEP	DIG PROT	% *	1.3	5.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.51		
SHEEP	DE	MCAL/KG *	0.64	2.56		
CATTLE	ME	MCAL/KG *	0.52	2.06		
SHEEP	ME	MCAL/KG *	0.53	2.10		
CATTLE	NE-M	MCAL/KG *	0.31	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.24		
CATTLE	TDN	% *	14.3	56.9		
SHEEP	TDN	% *	14.6	58.0		

DIGITARIA MILANGIANA, CRABGRASS, MILANGIANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DIGITARIA MILANGIANA MILANGIANA, AERIAL PART, FRESH, (2)						
REF NO 2-11-060						
DRY MATTER		%	27.4	100.0	23	13
ORGANIC MATTER		%	24.2	88.4		
ASH		%	3.2	11.6	16	13
CRUDE FIBER		%	8.3	30.3	8	13
ETHER EXTRACT		%	0.5	1.8	45	8
NITROGEN FREE EXTRACT		%	12.6	45.9	4	8
PROTEIN		%	2.9	10.4	23	13
CATTLE	DIG PROT	% *	1.8	6.7		
GOATS	DIG PROT	% *	1.7	6.3		
HORSES	DIG PROT	% *	1.7	6.4		
RABBITS	DIG PROT	% *	1.8	6.7		
SHEEP	DIG PROT	% *	1.8	6.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.69	2.52		
SHEEP	DE	MCAL/KG *	0.70	2.56		
CATTLE	ME	MCAL/KG *	0.57	2.07		
SHEEP	ME	MCAL/KG *	0.57	2.10		
CATTLE	NE-M	MCAL/KG *	0.33	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.25		
CATTLE	TDN	% *	15.7	57.2		
SHEEP	TDN	% *	15.9	58.0		

DIGITARIA NECSIANA, CRABGRASS, NECSIANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DIGITARIA NECSIANA NECSIANA, AERIAL PART, FRESH, (2)						
REF NO 2-17-620						
DRY MATTER		%	34.3	100.0		1
PROTEIN		%	2.4	7.0		1
CATTLE	DIG PROT	% *	1.3	3.8		
GOATS	DIG PROT	% *	1.1	3.1		
HORSES	DIG PROT	% *	1.2	3.5		
RABBITS	DIG PROT	% *	1.4	4.1		
SHEEP	DIG PROT	% *	1.2	3.5		
CALCIUM		%	0.08	0.22		1
MAGNESIUM		%	0.09	0.27		1
MANGANESE		MG/KG	85.1	248.0		1
PHOSPHORUS		%	0.02	0.07		1
POTASSIUM		%	0.37	1.07		1
SODIUM		%	0.06	0.18		1
ZINC		MG/KG	25.7	75.0		1

DIGITARIA PENTZII, FINGERGRASS, PENTZ

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DIGITARIA PENTZII PENTZ, AERIAL PART, FRESH, (2)						
REF NO 2-01-961						
DRY MATTER		%	22.5	100.0	20	13
ORGANIC MATTER		%	(20.2)	(90.0)		
ASH		%	(2.2)	(10.0)	7	6
CRUDE FIBER		%	(7.7)	(34.1)	11	6
ETHER EXTRACT		%	(0.5)	(2.0)	30	6
NITROGEN FREE EXTRACT		%	(10.2)	(45.6)	11	6
PROTEIN		%	(1.9)	(8.3)	21	14
CATTLE	DIG PROT	% *	(1.1)	(4.9)		
GOATS	DIG PROT	% *	(1.0)	(4.3)		
HORSES	DIG PROT	% *	(1.0)	(4.6)		
RABBITS	DIG PROT	% *	(1.1)	(5.1)		
SHEEP	DIG PROT	% *	(1.1)	(4.7)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(0.53)	(2.34)		
SHEEP	DE	MCAL/KG *	(0.56)	(2.50)		
CATTLE	ME	MCAL/KG *	(0.43)	(1.92)		
SHEEP	ME	MCAL/KG *	(0.46)	(2.05)		
CATTLE	NE-M	MCAL/KG *	(0.25)	(1.13)		
CATTLE	NE-GAIN	MCAL/KG *	(0.09)	(0.40)		
CATTLE	NE-LACTATION	MCAL/KG *	(0.25)	(1.11)		
CATTLE	TDN	% *	(11.9)	(53.1)		
SHEEP	TDN	% *	12.7	56.8		
DIGITARIA PENTZII PENTZ, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-11-644						
DRY MATTER		%	21.6	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.		1
ORGANIC MATTER		%	20.0	92.8		1
ASH		%	1.6	7.2		
SHEEP	DIG COEF	%	77.	77.		
CELLULOSE (CRAMPTON)		%	7.8	36.3		1
CELLU (C) IN VITRO	DIG COEF	%	61.	61.		1
DIGITARIA PENTZII PENTZ, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-11-643						
DRY MATTER		%	30.2	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	47.	47.		1
ORGANIC MATTER		%	28.2	93.3		1
ASH		%	2.0	6.7		1
SHEEP	DIG COEF	%	40.	40.		
CELLULOSE (CRAMPTON)		%	11.3	37.4		1
CELLU (C) IN VITRO	DIG COEF	%	55.	55.		1
DIGITARIA PENTZII PENTZ, AERIAL PART, FRESH, 169 TO 182 DAYS' GROWTH, (2)						
REF NO 2-11-642						
DRY MATTER		%	38.5	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	43.	43.		1
ORGANIC MATTER		%	36.0	93.6		1
ASH		%	2.5	6.4		1
SHEEP	DIG COEF	%	42.	42.		
CELLULOSE (CRAMPTON)		%	13.9	36.2		1
CELLU (C) IN VITRO	DIG COEF	%	50.	50.		1
DIGITARIA PENTZII PENTZ, AERIAL PART, FRESH, 225 TO 238 DAYS' GROWTH, (2)						
REF NO 2-11-641						
DRY MATTER		%	46.2	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	43.	43.		1
ORGANIC MATTER		%	43.7	94.5		1
ASH		%	2.5	5.5		1
SHEEP	DIG COEF	%	47.	47.		
CELLULOSE (CRAMPTON)		%	17.2	37.2		1
CELLU (C) IN VITRO	DIG COEF	%	50.	50.		1
DIGITARIA PENTZII PENTZ, AERIAL PART, FRESH, HIDBLOOM, (2)						
REF NO 2-17-467						
DRY MATTER		%	26.2	100.0		2
ORGANIC MATTER		%	23.1	88.1		
ASH		%	3.1	11.9		2
CRUDE FIBER		%	9.0	34.4		2
ETHER EXTRACT		%	0.6	2.4		2
NITROGEN FREE EXTRACT		%	12.0	45.7		2
PROTEIN		%	1.5	5.6		2
CATTLE	DIG PROT	% *	0.7	2.6		
GOATS	DIG PROT	% *	0.5	1.7		
HORSES	DIG PROT	% *	0.6	2.2		
RABBITS	DIG PROT	% *	0.8	3.0		
SHEEP	DIG PROT	% *	0.6	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.16		
SHEEP	DE	MCAL/KG *	0.64	2.43		
CATTLE	ME	MCAL/KG *	0.46	1.77		
SHEEP	ME	MCAL/KG *	0.52	1.99		
CATTLE	NE-M	MCAL/KG *	0.28	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.24		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	0.97		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *	12.8	49.0		
SHEEP	TDN % *	14.4	55.1		

DIGITARIA PENTZI PENTZ, LEAVES, FRESH, (2)

REF NO 2-17-468

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		85.6		
ASH	%		14.4	10	4
CRUDE FIBER	%		31.5	6	4
ETHER EXTRACT	%		3.1	21	4
NITROGEN FREE EXTRACT	%		40.3	5	4
PROTEIN	%		10.7	22	4
CATTLE DIG PROT	% *		7.0		
GOATS DIG PROT	% *		6.5		
HORSES DIG PROT	% *		6.6		
RABBITS DIG PROT	% *		6.9		
SHEEP DIG PROT	% *		6.9		
ENERGY DE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.27		
SHEEP DE	MCAL/KG *		2.52		
CATTLE ME	MCAL/KG *		1.86		
SHEEP ME	MCAL/KG *		2.08		
CATTLE NE-M	MCAL/KG *		1.10		
CATTLE NE-GAIN	MCAL/KG *		0.34		
CATTLE NE-LACTATION	MCAL/KG *		1.08		
CATTLE TDN	% *		51.5		
SHEEP TDN	% *		57.1		
CALCIUM	%		0.96	17	4
PHOSPHORUS	%		0.44	54	4

DIGITARIA DULEVANSII, CRABGRASS, DULEVANSII

DIGITARIA DULEVANSII DULEVANSII, AERIAL PART, FRESH, (2)

REF NO 2-11-059

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.3	100.0		1
ORGANIC MATTER	%	20.6	84.7		
ASH	%	3.7	15.3		1
CRUDE FIBER	%	7.4	30.3		1
PROTEIN	%	2.4	9.8		1
CATTLE DIG PROT	% *	1.5	6.2		
GOATS DIG PROT	% *	1.4	5.7		
HORSES DIG PROT	% *	1.4	5.9		
RABBITS DIG PROT	% *	1.5	6.2		
SHEEP DIG PROT	% *	1.5	6.1		

DIGITARIA SANGUINALIS, CRABGRASS, HAIRY

DIGITARIA SANGUINALIS HAIRY, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-17-465

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.3	100.0		1
ORGANIC MATTER	%	16.5	85.3		
ASH	%	2.8	14.7		1
CRUDE FIBER	%	4.7	24.3		1
PROTEIN	%	1.9	9.9		1
CATTLE DIG PROT	% *	1.2	6.3		
GOATS DIG PROT	% *	1.1	5.8		
HORSES DIG PROT	% *	1.1	5.9		
RABBITS DIG PROT	% *	1.2	6.3		
SHEEP DIG PROT	% *	1.2	6.2		

DIGITARIA SANGUINALIS HAIRY, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-01-669

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.3	100.0		1
ORGANIC MATTER	%	23.1	87.9		
ASH	%	3.2	12.1		1
CRUDE FIBER	%	10.5	39.9		1
ETHER EXTRACT	%	0.4	1.6		1
NITROGEN FREE EXTRACT	%	10.1	38.3		1
PROTEIN	%	2.1	8.1		1
CATTLE DIG PROT	% *	1.3	4.8		
GOATS DIG PROT	% *	1.1	4.1		
HORSES DIG PROT	% *	1.2	4.4		
RABBITS DIG PROT	% *	1.3	4.9		
SHEEP DIG PROT	% *	1.2	4.5		
ENERGY DE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.62	2.34		
SHEEP DE	MCAL/KG *	0.62	2.37		
CATTLE ME	MCAL/KG *	0.50	1.92		
SHEEP ME	MCAL/KG *	0.51	1.94		
CATTLE NE-M	MCAL/KG *	0.30	1.13		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.40		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.11		
CATTLE TDN	% *	13.9	53.0		
SHEEP TDN	% *	14.1	53.7		

DIGITARIA SETIVALVA, CRABGRASS, SETIVALVA

DIGITARIA SETIVALVA SETIVALVA, AERIAL PART, FRESH, (2)

REF NO 2-11-055

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.7	100.0	35	5
ORGANIC MATTER	%	26.3	88.7		
ASH	%	3.4	11.3	16	5
CRUDE FIBER	%	8.9	29.8	9	5
ETHER EXTRACT	%	0.7	2.4	72	4
NITROGEN FREE EXTRACT	%	13.7	46.0	8	4
PROTEIN	%	3.1	10.4	17	5
CATTLE DIG PROT	% *	2.0	6.7		
GOATS DIG PROT	% *	1.9	6.3		
HORSES DIG PROT	% *	1.9	6.4		
RABBITS DIG PROT	% *	2.0	6.7		
SHEEP DIG PROT	% *	2.0	6.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.75	2.52		
SHEEP DE	MCAL/KG *	0.77	2.59		
CATTLE ME	MCAL/KG *	0.61	2.06		
SHEEP ME	MCAL/KG *	0.63	2.13		
CATTLE NE-M	MCAL/KG *	0.36	1.22		
CATTLE NE-GAIN	MCAL/KG *	0.16	0.55		
CATTLE NE-LACTATION	MCAL/KG *	0.37	1.25		
CATTLE TDN	% *	16.9	57.0		
SHEEP TDN	% *	17.5	58.8		

DIGITARIA SMUTSII, CRABGRASS, SMUTSII

DIGITARIA SMUTSII SMUTSII, AERIAL PART, FRESH, (2)

REF NO 2-11-062

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.7	100.0	13	6
ORGANIC MATTER	%	23.1	89.9		
ASH	%	2.6	10.1	8	6
CRUDE FIBER	%	8.6	33.7	10	6
ETHER EXTRACT	%	0.5	1.9	30	6
NITROGEN FREE EXTRACT	%	11.7	45.4	7	6
PROTEIN	%	2.3	8.9	16	6
CATTLE DIG PROT	% *	1.4	5.4		
GOATS DIG PROT	% *	1.2	4.8		
HORSES DIG PROT	% *	1.3	5.1		
RABBITS DIG PROT	% *	1.4	5.5		
SHEEP DIG PROT	% *	1.4	5.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.61	2.39		
SHEEP DE	MCAL/KG *	0.64	2.51		
CATTLE ME	MCAL/KG *	0.50	1.96		
SHEEP ME	MCAL/KG *	0.53	2.06		
CATTLE NE-M	MCAL/KG *	0.30	1.15		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.44		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.15		
CATTLE TDN	% *	13.9	54.1		
SHEEP TDN	% *	14.6	57.0		

DIGITARIA SMUTSII SMUTSII, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-17-463

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.4	100.0	30	5
ORGANIC MATTER	%	27.5	87.6		
ASH	%	3.9	12.5	13	6
CRUDE FIBER	%	10.0	32.0	6	6
PROTEIN	%	2.1	6.7	29	6
CATTLE DIG PROT	% *	1.1	3.6		
GOATS DIG PROT	% *	0.9	2.8		
HORSES DIG PROT	% *	1.0	3.2		
RABBITS DIG PROT	% *	1.2	3.8		
SHEEP DIG PROT	% *	1.0	3.2		

DIGITARIA SMUTSII SMUTSII, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-639

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	58.4	100.0		1
ORGANIC MATTER	%	52.7	90.3		1
ASH	%	5.7	9.7		1
CRUDE FIBER	%	24.1	41.3		1
ETHER EXTRACT	%	1.8	3.1		1
NITROGEN FREE EXTRACT	%	23.2	40.0		1
PROTEIN	%	3.9	6.9		1
CATTLE DIG PROT	% *	1.7	2.9		
GOATS DIG PROT	% *	1.2	2.1		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	1.5	2.6		
RABBITS	DIG PROT % *	1.9	3.3		
SHEEP	DIG PROT % *	1.5	2.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.07	1.83		
SHEEP	DE MCAL/KG *	1.42	2.42		
CATTLE	ME MCAL/KG *	0.88	1.50		
SHEEP	ME MCAL/KG *	1.16	1.99		
CATTLE	NE-M MCAL/KG *	0.53	0.92		
CATTLE	NE-GAIN MCAL/KG *	-0.06	-0.10		
CATTLE	NE-LACTATION MCAL/KG *	0.42	0.72		
CATTLE	TDN % *	24.3	41.6		
SHEEP	TDN % *	32.1	55.0		
CALCIUM	%	0.19	0.32		1
IRON	%	0.006	0.011		1
PHOSPHORUS	%	0.23	0.39		1

DIGITARIA SMUTSII SMUTSII, LEAVES, FRESH
FERTILIZED, 85 TO 90 DAYS' GROWTH, (2)

REF NO 2-17-444

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.4	100.0		1
ORGANIC MATTER	%	19.7	92.2		
ASH	%	1.7	7.8		1
CRUDE FIBER	%	7.0	32.6		1
PROTEIN	%	1.5	7.2		1
CATTLE	DIG PROT % *	0.9	4.0		
GOATS	DIG PROT % *	0.7	3.3		
HORSES	DIG PROT % *	0.8	3.6		
RABBITS	DIG PROT % *	0.9	4.2		
SHEEP	DIG PROT % *	0.8	3.7		

DIGITARIA SPP. CRABGRASS

DIGITARIA SPP, AERIAL PART, FRESH, (2)

REF NO 2-01-068

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.2	100.0		3
ORGANIC MATTER	%	15.5	89.9		
ASH	%	1.7	10.1		3
CRUDE FIBER	%	5.5	31.4		3
ETHER EXTRACT	%	0.5	2.8		3
NITROGEN FREE EXTRACT	%	6.9	40.2		3
PROTEIN	%	2.6	15.3		3
CATTLE	DIG PROT % *	1.9	10.9		
GOATS	DIG PROT % *	1.9	10.8		
HORSES	DIG PROT % *	1.8	10.5		
RABBITS	DIG PROT % *	1.8	10.5		
SHEEP	DIG PROT % *	1.9	11.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.44	2.57		
SHEEP	DE MCAL/KG *	0.46	2.67		
CATTLE	ME MCAL/KG *	0.36	2.10		
SHEEP	ME MCAL/KG *	0.38	2.19		
CATTLE	NE-M MCAL/KG *	0.21	1.24		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.59		
CATTLE	NE-LACTATION MCAL/KG *	0.22	1.29		
CATTLE	TDN % *	10.0	58.2		
SHEEP	TDN % *	10.5	60.7		

DIGITARIA SPP, AERIAL PART, FRESH, MIDBLOOM,
(2)

REF NO 2-17-466

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	39.3	100.0		1
ORGANIC MATTER	%	35.7	89.9		1
ASH	%	4.0	10.1		1
CRUDE FIBER	%	12.0	30.6		1
ETHER EXTRACT	%	0.7	1.7		1
NITROGEN FREE EXTRACT	%	20.8	52.9		1
PROTEIN	%	1.8	4.7		1
CATTLE	DIG PROT % *	0.7	1.9		
GOATS	DIG PROT % *	0.4	0.9		
HORSES	DIG PROT % *	0.6	1.5		
RABBITS	DIG PROT % *	0.9	2.3		
SHEEP	DIG PROT % *	0.5	1.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.95	2.41		
SHEEP	DE MCAL/KG *	0.99	2.53		
CATTLE	ME MCAL/KG *	0.78	1.98		
SHEEP	ME MCAL/KG *	0.81	2.07		
CATTLE	NE-M MCAL/KG *	0.46	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.18	0.46		
CATTLE	NE-LACTATION MCAL/KG *	0.46	1.17		
CATTLE	TDN % *	21.5	54.6		
SHEEP	TDN % *	22.5	57.3		
CALCIUM	%	0.20	0.52		1
PHOSPHORUS	%	0.06	0.16		1

DIGITARIA SWAZILANDENSIS, FINGERGRASS, SWAZILAND

DIGITARIA SWAZILANDENSIS SWAZILAND, AERIAL
PART, FRESH, (2)

REF NO 2-11-045

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.1	100.0	15	7
ORGANIC MATTER	%	26.6	88.4		
ASH	%	3.5	11.6		3
CRUDE FIBER	%	9.2	30.5		3
ETHER EXTRACT	%	0.6	1.9		1
NITROGEN FREE EXTRACT	%	14.6	48.5		1
PROTEIN	%	2.3	7.5	23	7
CATTLE	DIG PROT % *	1.3	4.5		
GOATS	DIG PROT % *	1.1	3.6		
HORSES	DIG PROT % *	1.2	3.9		
RABBITS	DIG PROT % *	1.3	4.5		
SHEEP	DIG PROT % *	1.2	4.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.73	2.44		
SHEEP	DE MCAL/KG *	0.76	2.52		
CATTLE	ME MCAL/KG *	0.60	2.00		
SHEEP	ME MCAL/KG *	0.62	2.07		
CATTLE	NE-M MCAL/KG *	0.35	1.18		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.49		
CATTLE	NE-LACTATION MCAL/KG *	0.36	1.19		
CATTLE	TDN % *	16.6	55.3		
SHEEP	TDN % *	17.2	57.3		

DIGITARIA VALIDA, CRABGRASS, VALIDA

DIGITARIA VALIDA VALIDA, MAY, 5-6, (1)

REF NO 1-11-063

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.3	100.0		1
ORGANIC MATTER	%	81.7	88.5		
ASH	%	10.6	11.5		1
CRUDE FIBER	%	34.6	37.5		1
ETHER EXTRACT	%	3.7	4.0		1
NITROGEN FREE EXTRACT	%	36.2	39.2		1
PROTEIN	%	7.2	7.8		1
CATTLE	DIG PROT % *	3.4	3.7		
GOATS	DIG PROT % *	3.5	3.8		
HORSES	DIG PROT % *	3.8	4.2		
RABBITS	DIG PROT % *	4.3	4.7		
SHEEP	DIG PROT % *	3.3	3.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.89	2.05		
HORSES	DE MCAL/KG *	1.88	2.04		
SHEEP	DE MCAL/KG *	1.91	2.07		
CATTLE	ME MCAL/KG *	1.55	1.68		
HORSES	ME MCAL/KG *	1.55	1.67		
SHEEP	ME MCAL/KG *	1.56	1.69		
CATTLE	NE-M MCAL/KG *	0.92	1.00		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.12		
CATTLE	NE-LACTATION MCAL/KG *	0.81	0.88		
CATTLE	TDN % *	42.8	46.4		
HORSES	TDN % *	47.3	51.2		
SHEEP	TDN % *	43.3	46.9		
CALCIUM	%	0.00	0.00		1
IRON	%	0.007	0.008		1
PHOSPHORUS	%	0.00	0.00		1
VITAMIN A EQUIV	IU/G	16.2	17.5		

DIGITARIA VALIDA VALIDA, AERIAL PART, FRESH,
(2)

REF NO 2-11-056

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.2	100.0	17	12
ORGANIC MATTER	%	23.2	88.6	16	4
ASH	%	2.7	10.4	16	12
CRUDE FIBER	%	9.1	34.6	11	12
ETHER EXTRACT	%	0.6	2.4	36	12
NITROGEN FREE EXTRACT	%	11.4	43.5	9	12
PROTEIN	%	2.4	9.1	21	12
CATTLE	DIG PROT % *	1.5	5.6		
GOATS	DIG PROT % *	1.3	5.0		
HORSES	DIG PROT % *	1.4	5.2		
RABBITS	DIG PROT % *	1.5	5.7		
SHEEP	DIG PROT % *	1.4	5.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.60	2.31		
SHEEP	DE MCAL/KG *	0.66	2.51		
CATTLE	ME MCAL/KG *	0.49	1.89		
SHEEP	ME MCAL/KG *	0.54	2.06		
CATTLE	NE-M MCAL/KG *	0.29	1.11		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.37		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.09		
CATTLE	TDN % *	13.7	52.3		
SHEEP	TDN % *	14.9	57.0		
CALCIUM	%	0.01	0.05	39	4
IRON	%	0.002	0.009	98	4
PHOSPHORUS	%	0.03	0.12	30	4
VITAMIN A EQUIV	IU/G	3.4	13.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DIGITARIA VALIDA VALIDA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-17-461						
DRY MATTER		%	29.2	100.0	42	6
ORGANIC MATTER		%	25.4	87.1		
ASH		%	3.8	12.9	21	6
CRUDE FIBER		%	8.8	30.1	8	6
PROTEIN		%	1.8	6.0	32	6
CATTLE	DIG PROT	% *	0.9	3.0		
GOATS	DIG PROT	% *	0.6	2.2		
HORSES	DIG PROT	% *	0.8	2.7		
RABBITS	DIG PROT	% *	1.0	3.3		
SHEEP	DIG PROT	% *	0.8	2.6		
DIGITARIA VALIDA VALIDA, AERIAL PART, FRESH, CUT 4, (2)						
REF NO 2-11-440						
DRY MATTER		%	83.1	100.0		1
ORGANIC MATTER		%	69.5	83.6		1
ASH		%	9.7	11.6		1
CRUDE FIBER		%	30.6	36.8		1
ETHER EXTRACT		%	7.1	8.5		1
NITROGEN FREE EXTRACT		%	32.3	38.9		1
PROTEIN		%	3.4	4.1		1
CATTLE	DIG PROT	% *	1.2	1.4		
GOATS	DIG PROT	% *	0.4	0.4		
HORSES	DIG PROT	% *	0.9	1.1		
RABBITS	DIG PROT	% *	1.6	1.9		
SHEEP	DIG PROT	% *	0.7	0.9		
CALCIUM		%	0.38	0.46		1
IRON		%	0.008	0.009		1
PHOSPHORUS		%	0.23	0.28		1
DIGITARIA VALIDA VALIDA, LEAVES, FRESH FERTILIZED, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-17-462						
DRY MATTER		%	20.8	100.0		1
ORGANIC MATTER		%	18.8	90.3		
ASH		%	2.0	9.7		1
CRUDE FIBER		%	6.2	29.9		1
PROTEIN		%	1.4	6.7		1
CATTLE	DIG PROT	% *	0.7	3.6		
GOATS	DIG PROT	% *	0.6	2.8		
HORSES	DIG PROT	% *	0.7	3.2		
RABBITS	DIG PROT	% *	0.8	3.8		
SHEEP	DIG PROT	% *	0.7	3.2		
DIOCLEA VIRGATUS, CLUSTERPEA, VIRGATUS						
DIOCLEA VIRGATUS VIRGATUS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-459						
DRY MATTER		%	28.4	100.0		1
ORGANIC MATTER		%	26.7	92.5		1
ASH		%	1.7	7.5		1
CRUDE FIBER		%	7.5	33.7		1
ETHER EXTRACT		%	0.4	1.6		1
NITROGEN FREE EXTRACT		%	9.2	41.1		1
PROTEIN		%	3.6	16.1		1
CATTLE	DIG PROT	% *	2.6	11.6		
GOATS	DIG PROT	% *	2.6	11.6		
HORSES	DIG PROT	% *	2.5	11.2		
RABBITS	DIG PROT	% *	2.5	11.1		
SHEEP	DIG PROT	% *	2.7	12.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.60	2.70		
SHEEP	DE	MCAL/KG *	0.59	2.65		
CATTLE	ME	MCAL/KG *	0.50	2.21		
SHEEP	ME	MCAL/KG *	0.49	2.17		
CATTLE	NE-M	MCAL/KG *	0.29	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.70		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.39		
CATTLE	TDN	% *	13.7	61.2		
SHEEP	TDN	% *	13.5	60.2		
CALCIUM		%	0.26	1.17		1
PHOSPHORUS		%	0.04	0.16		1
DIOSCOREA ALATA, YAM, WINGED						
DIOSCOREA ALATA WINGED, PEELINGS, COOKED, (1)						
REF NO 1-10-490						
DRY MATTER		%	19.1	100.0		1
ORGANIC MATTER		%	18.0	94.2		
ASH		%	1.1	5.8		1
CRUDE FIBER		%	4.3	22.4		1
ETHER EXTRACT		%	0.1	0.7		1
NITROGEN FREE EXTRACT		%	11.2	58.4		1
PROTEIN		%	2.4	12.7		1
CATTLE	DIG PROT	% *	1.5	7.9		
GOATS	DIG PROT	% *	1.6	8.4		
HORSES	DIG PROT	% *	1.6	8.3		
RABBITS	DIG PROT	% *	1.6	8.5		
SHEEP	DIG PROT	% *	1.5	8.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.46	2.42		
HORSES	DE	MCAL/KG *	0.31	1.63		
SHEEP	DE	MCAL/KG *	0.49	2.55		
CATTLE	ME	MCAL/KG *	0.38	1.99		
HORSES	ME	MCAL/KG *	0.26	1.34		
SHEEP	ME	MCAL/KG *	0.40	2.09		
CATTLE	NE-M	MCAL/KG *	0.22	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	1.18		
CATTLE	TDN	% *	10.5	54.9		
HORSES	TDN	% *	7.7	40.1		
SHEEP	TDN	% *	11.1	57.9		
DIOSCOREA ALATA WINGED, PEELINGS, FRESH, (2)						
REF NO 2-10-491						
DRY MATTER		%	26.0	100.0		2
ORGANIC MATTER		%	23.9	91.9		
ASH		%	2.1	8.1		2
CRUDE FIBER		%	4.0	15.4		2
ETHER EXTRACT		%	0.2	0.7		2
NITROGEN FREE EXTRACT		%	16.3	62.9		2
PROTEIN		%	3.4	13.0		2
CATTLE	DIG PROT	% *	2.3	8.9		
GOATS	DIG PROT	% *	2.3	8.7		
HORSES	DIG PROT	% *	2.2	8.6		
RABBITS	DIG PROT	% *	2.3	8.7		
SHEEP	DIG PROT	% *	2.4	9.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.81	3.11		
SHEEP	DE	MCAL/KG *	0.84	3.23		
CATTLE	ME	MCAL/KG *	0.66	2.55		
SHEEP	ME	MCAL/KG *	0.69	2.65		
CATTLE	NE-M	MCAL/KG *	0.41	1.56		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.99		
CATTLE	NE-LACTATION	MCAL/KG *	0.45	1.72		
CATTLE	TDN	% *	18.4	70.6		
SHEEP	TDN	% *	19.0	73.2		
DIOSCOREA ALATA WINGED, ROOTS, COOKED, (4)						
REF NO 4-10-492						
DRY MATTER		%	30.0	100.0		1
ORGANIC MATTER		%	28.9	96.4		
ASH		%	1.1	3.6		1
CRUDE FIBER		%	0.9	3.1		1
ETHER EXTRACT		%	0.1	0.4		1
NITROGEN FREE EXTRACT		%	25.5	85.0		1
PROTEIN		%	2.4	7.9		1
CATTLE	DIG PROT	% *	1.0	3.3		
GOATS	DIG PROT	% *	1.3	4.5		
HORSES	DIG PROT	% *	1.3	4.5		
SHEEP	DIG PROT	% *	1.3	4.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.03	3.45		
SHEEP	DE	MCAL/KG *	1.14	3.78		
SWINE	DE	KCAL/KG *	1160.	3867.		
CATTLE	ME	MCAL/KG *	0.85	2.83		
SHEEP	ME	MCAL/KG *	0.93	3.10		
SWINE	ME	KCAL/KG *	1095.	3651.		
CATTLE	NE-M	MCAL/KG *	0.54	1.80		
CATTLE	NE-GAIN	MCAL/KG *	0.36	1.19		
CATTLE	NE-LACTATION	MCAL/KG *	0.59	1.98		
CATTLE	TDN	% *	23.4	78.2		
SHEEP	TDN	% *	25.7	85.8		
SWINE	TDN	% *	26.3	87.7		
DIOSCOREA ALATA WINGED, ROOTS, FRESH, (4)						
REF NO 4-10-493						
DRY MATTER		%	23.9	100.0	22	4
ORGANIC MATTER		%	22.9	95.7		
ASH		%	1.0	4.3	11	6
CRUDE FIBER		%	0.8	3.5	35	6
ETHER EXTRACT		%	0.1	0.5	55	6
NITROGEN FREE EXTRACT		%	20.0	83.8	3	6

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PROTEIN	%	1.9	8.0	24	6
CATTLE DIG PROT	% *	0.8	3.4		
GOATS DIG PROT	% *	1.1	4.6		
HORSES DIG PROT	% *	1.1	4.6		
SHEEP DIG PROT	% *	1.1	4.6		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *	0.80	3.33		
SHEEP DE	KCAL/KG *	0.90	3.75		
SWINE DE	KCAL/KG *	914.	3825.		
CATTLE ME	KCAL/KG *	0.65	2.73		
SHEEP ME	KCAL/KG *	0.74	3.08		
SWINE ME	KCAL/KG *	863.	3610.		
CATTLE NE-M	KCAL/KG *	0.41	1.71		
CATTLE NE-GAIN	KCAL/KG *	0.27	1.13		
CATTLE NE-LACTATION	KCAL/KG *	0.45	1.89		
CATTLE TDN	% *	18.1	75.5		
SHEEP TDN	% *	20.3	85.1		
SWINE TDN	% *	20.7	86.8		
CALCIUM	%	0.10	0.40		1
PHOSPHORUS	%	0.05	0.23		1

DIOSCOREA ALATA WINGED, ROOTS, GRND, (4)

REF NO 4-17-460

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.5		
ASH	%		4.5		2
CRUDE FIBER	%		2.3		2
ETHER EXTRACT	%		0.9		2
NITROGEN FREE EXTRACT	%		65.6		2
PROTEIN	%		6.7		2
CATTLE DIG PROT	% *		2.2		
GOATS DIG PROT	% *		3.4		
HORSES DIG PROT	% *		3.4		
SHEEP DIG PROT	% *		3.4		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *		3.30		
SHEEP DE	KCAL/KG *		3.76		
SWINE DE	KCAL/KG *		3821.		
CATTLE ME	KCAL/KG *		2.71		
SHEEP ME	KCAL/KG *		3.09		
SWINE ME	KCAL/KG *		3616.		
CATTLE NE-M	KCAL/KG *		1.69		
CATTLE NE-GAIN	KCAL/KG *		1.11		
CATTLE NE-LACTATION	KCAL/KG *		1.86		
CATTLE TDN	% *		74.9		
SHEEP TDN	% *		85.4		
SWINE TDN	% *		86.7		

DIOSCOREA ALATA WINGED, ROOTS NO PEELINGS, COOKED, (4)

REF NO 4-10-496

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.8	100.0		1
ORGANIC MATTER	%	25.9	96.7		
ASH	%	0.9	3.3		1
CRUDE FIBER	%	0.6	2.2		1
ETHER EXTRACT	%	0.1	0.5		1
NITROGEN FREE EXTRACT	%	22.5	84.1		1
PROTEIN	%	2.7	9.9		1
CATTLE DIG PROT	% *	1.4	5.1		
GOATS DIG PROT	% *	1.7	6.3		
HORSES DIG PROT	% *	1.7	6.3		
SHEEP DIG PROT	% *	1.7	6.3		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *	0.93	3.46		
SHEEP DE	KCAL/KG *	1.02	3.82		
SWINE DE	KCAL/KG *	1026.	3828.		
CATTLE ME	KCAL/KG *	0.76	2.84		
SHEEP ME	KCAL/KG *	0.84	3.13		
SWINE ME	KCAL/KG *	964.	3598.		
CATTLE NE-M	KCAL/KG *	0.48	1.81		
CATTLE NE-GAIN	KCAL/KG *	0.32	1.20		
CATTLE NE-LACTATION	KCAL/KG *	0.53	1.99		
CATTLE TDN	% *	21.0	78.5		
SHEEP TDN	% *	23.2	86.7		
SWINE TDN	% *	23.3	86.8		

DIOSCOREA ALATA WINGED, ROOTS NO PEELINGS, FRESH, (4)

REF NO 4-10-494

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.0	100.0		2
ORGANIC MATTER	%	30.1	97.0		
ASH	%	0.9	3.0		2
CRUDE FIBER	%	1.0	3.2		2
ETHER EXTRACT	%	0.1	0.3		2
NITROGEN FREE EXTRACT	%	26.0	83.9		2
PROTEIN	%	3.0	9.7		2
CATTLE DIG PROT	% *	1.5	4.9		
GOATS DIG PROT	% *	1.9	6.1		
HORSES DIG PROT	% *	1.9	6.1		
SHEEP DIG PROT	% *	1.9	6.1		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *	1.08	3.49		
SWINE DE	KCAL/KG *	1194.	3852.		
CATTLE ME	KCAL/KG *	0.89	2.86		
SWINE ME	KCAL/KG *	1123.	3623.		
CATTLE NE-M	KCAL/KG *	0.57	1.83		
CATTLE NE-GAIN	KCAL/KG *	0.38	1.22		
CATTLE NE-LACTATION	KCAL/KG *	0.62	2.01		
CATTLE TDN	% *	24.6	79.2		
SWINE TDN	% *	27.1	87.4		

DIOSCOREA SPP. YAM

DIOSCOREA SPP. ROOTS, FRESH, (4)

REF NO 4-11-650

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.5	100.0		3
ORGANIC MATTER	%	25.1	94.7		
ASH	%	1.4	5.3	13	4
CRUDE FIBER	%	0.8	2.9	20	4
ETHER EXTRACT	%	0.1	0.5	35	4
NITROGEN FREE EXTRACT	%	21.9	82.7	3	4
PROTEIN	%	2.3	8.7	17	4
CATTLE DIG PROT	% *	1.1	4.0		
GOATS DIG PROT	% *	1.4	5.2		
HORSES DIG PROT	% *	1.4	5.2		
SHEEP DIG PROT	% *	1.4	5.2		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *	0.85	3.20		
SHEEP DE	KCAL/KG *	0.99	3.74		
SWINE DE	KCAL/KG *	998.	3767.		
CATTLE ME	KCAL/KG *	0.69	2.62		
SHEEP ME	KCAL/KG *	0.81	3.06		
SWINE ME	KCAL/KG *	941.	3550.		
CATTLE NE-M	KCAL/KG *	0.43	1.62		
CATTLE NE-GAIN	KCAL/KG *	0.28	1.05		
CATTLE NE-LACTATION	KCAL/KG *	0.47	1.78		
CATTLE TDN	% *	19.2	72.5		
SHEEP TDN	% *	22.5	84.8		
SWINE TDN	% *	22.6	85.4		

DIOSCOREA TRIFIDA, YAM, CUSHCUSH

DIOSCOREA TRIFIDA CUSHCUSH, ROOTS, FRESH, (4)

REF NO 4-10-641

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.0	100.0		1
ORGANIC MATTER	%	27.0	96.4		
ASH	%	1.0	3.6		1
CRUDE FIBER	%	0.3	1.1		1
ETHER EXTRACT	%	0.3	1.1		1
NITROGEN FREE EXTRACT	%	24.1	86.1		1
PROTEIN	%	2.3	8.2		1
CATTLE DIG PROT	% *	1.0	3.6		
GOATS DIG PROT	% *	1.3	4.8		
HORSES DIG PROT	% *	1.3	4.8		
SHEEP DIG PROT	% *	1.3	4.8		
ENERGY	GE KCAL/KG				
SWINE DE	KCAL/KG *	1069.	3819.		
SWINE ME	KCAL/KG *	1009.	3603.		
SWINE TDN	% *	24.3	86.6		
CALCIUM	%	0.02	0.07		1
IRON	%	0.053	0.189		1
PHOSPHORUS	%	0.04	0.14		1

DISCAMIA SPP. DISCARIA

DISCARIA SPP. AERIAL PART, FRESH, (2)

REF NO 2-11-871

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.5	100.0		1
ORGANIC MATTER	%	20.7	96.3		
ASH	%	0.8	3.7		1
CRUDE FIBER	%	4.8	22.3		1
ETHER EXTRACT	%	0.1	0.5		1
NITROGEN FREE EXTRACT	%	14.6	67.9		1
PROTEIN	%	1.2	5.6		1
CATTLE DIG PROT	% *	0.6	2.6		
GOATS DIG PROT	% *	0.4	1.8		
HORSES DIG PROT	% *	0.5	2.3		
RABBITS DIG PROT	% *	0.6	3.0		
SHEEP DIG PROT	% *	0.5	2.2		
ENERGY	GE KCAL/KG				
SHEEP DE	KCAL/KG *	0.65	3.04		
SHEEP ME	KCAL/KG *	0.54	2.49		
SHEEP TDN	% *	14.8	69.0		
CALCIUM	%	0.01	0.05		1
COPPER	MG/KG	2.6	12.1		1
IRON	%	0.001	0.005		1
MAGNESIUM	%	0.01	0.05		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%	0.04	0.19		1

DISSANTHELIUM CALYSINUM, CATALINAGRASS, CALYSINUM

DISSANTHELIUM CALYSINUM CALYSINUM, AERIAL PART, FRESH, (2)

REF NO 2-11-647

DRY MATTER		%		100.0	
ORGANIC MATTER		%		97.1	
ASH		%		2.9	1
PROTEIN		%		3.8	1
CATTLE	DIG PROT	% *		1.2	
GOATS	DIG PROT	% *		0.1	
HORSES	DIG PROT	% *		0.8	
RABBITS	DIG PROT	% *		1.6	
SHEEP	DIG PROT	% *		0.6	
CALCIUM		%		0.18	1
COBALT		MG/KG		0.048	1
COPPER		MG/KG		1.4	1
MANGANESE		MG/KG		205.4	1
MOLYBDENUM		MG/KG		0.33	1
PHOSPHORUS		%		0.13	1
ZINC		MG/KG		43.1	1

DISSANTHELIUM MINIMUM, CATALINAGRASS, MINIMUM

DISSANTHELIUM MINIMUM MINIMUM, AERIAL PART, FRESH, (2)

REF NO 2-11-648

DRY MATTER		%		100.0	
ORGANIC MATTER		%		95.3	
ASH		%		4.7	
CRUDE FIBER		%		31.9	
ETHER EXTRACT		%		2.9	
NITROGEN FREE EXTRACT		%		52.9	1
PROTEIN		%		7.7	21 13
CATTLE	DIG PROT	% *		4.4	
GOATS	DIG PROT	% *		3.7	
HORSES	DIG PROT	% *		4.1	
RABBITS	DIG PROT	% *		4.6	
SHEEP	DIG PROT	% *		4.2	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.69	
SHEEP	DE MCAL/KG	*		2.68	
CATTLE	ME MCAL/KG	*		2.20	
SHEEP	ME MCAL/KG	*		2.19	
CATTLE	NE-M MCAL/KG	*		1.31	
CATTLE	NE-GAIN MCAL/KG	*		0.69	
CATTLE	NE-LACTATION MCAL/KG	*		1.38	
CATTLE	TDN %	*		81.0	
SHEEP	TDN %	*		60.7	
CALCIUM		%		0.27	56 12
COBALT		MG/KG		0.082	44 12
COPPER		MG/KG		7.9	65 12
MANGANESE		MG/KG		201.0	53 12
MOLYBDENUM		MG/KG		0.47	39 11
PHOSPHORUS		%		0.17	23 12
ZINC		MG/KG		72.0	98 12

DISSANTHELIUM SPP, CATALINAGRASS

DISSANTHELIUM SPP, AERIAL PART, FRESH, (2)

REF NO 2-11-649

DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.5	
ASH		%		5.5	3
CRUDE FIBER		%		40.5	1
ETHER EXTRACT		%		3.4	2
NITROGEN FREE EXTRACT		%		44.5	1
PROTEIN		%		6.1	2
CATTLE	DIG PROT	% *		3.1	
GOATS	DIG PROT	% *		2.3	
HORSES	DIG PROT	% *		2.7	
RABBITS	DIG PROT	% *		3.4	
SHEEP	DIG PROT	% *		2.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.01	
SHEEP	DE MCAL/KG	*		2.49	
CATTLE	ME MCAL/KG	*		1.65	
SHEEP	ME MCAL/KG	*		2.04	
CATTLE	NE-M MCAL/KG	*		0.98	
CATTLE	NE-GAIN MCAL/KG	*		0.08	
CATTLE	NE-LACTATION MCAL/KG	*		0.85	
CATTLE	TDN %	*		45.5	
SHEEP	TDN %	*		56.4	
CALCIUM		%		0.37	2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
COBALT		MG/KG		0.136		1
COPPER		MG/KG		11.2		1
MOLYBDENUM		MG/KG		0.89		1
PHOSPHORUS		%		0.11		1
ZINC		MG/KG		32.5		1

DISTICHLIS HUMILIS, SALTGRASS, HUMILIS

DISTICHLIS HUMILIS HUMILIS, AERIAL PART, FRESH, (2)

REF NO 2-11-053

DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.4	
ASH		%		5.6	1
PROTEIN		%		2.1	1
CATTLE	DIG PROT	% *		-0.3	
GOATS	DIG PROT	% *		-1.5	
HORSES	DIG PROT	% *		-0.7	
RABBITS	DIG PROT	% *		0.3	
SHEEP	DIG PROT	% *		-1.0	
CALCIUM		%		0.46	1
COBALT		MG/KG		0.393	1
COPPER		MG/KG		3.6	1
MANGANESE		MG/KG		85.3	1
MOLYBDENUM		MG/KG		0.08	1
PHOSPHORUS		%		0.08	1

DISTICHLIS HUMILIS HUMILIS, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-11-054

DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.3	
ASH		%		5.7	1
CRUDE FIBER		%		24.9	2
ETHER EXTRACT		%		2.5	2
NITROGEN FREE EXTRACT		%		57.1	1
PROTEIN		%		9.7	2
CATTLE	DIG PROT	% *		6.2	
GOATS	DIG PROT	% *		5.7	
HORSES	DIG PROT	% *		5.6	
RABBITS	DIG PROT	% *		6.2	
SHEEP	DIG PROT	% *		6.1	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.15	
SHEEP	DE MCAL/KG	*		2.89	
CATTLE	ME MCAL/KG	*		2.59	
SHEEP	ME MCAL/KG	*		2.37	
CATTLE	NE-M MCAL/KG	*		1.59	
CATTLE	NE-GAIN MCAL/KG	*		1.02	
CATTLE	NE-LACTATION MCAL/KG	*		1.75	
CATTLE	TDN %	*		71.6	
SHEEP	TDN %	*		65.5	
CALCIUM		%		0.13	1
COBALT		MG/KG		0.080	1
COPPER		MG/KG		3.6	1
MANGANESE		MG/KG		15.9	1
MOLYBDENUM		MG/KG		0.43	1
PHOSPHORUS		%		0.06	2

DISTICHLIS SCOPARIA, SALTGRASS, SCOPARIA

DISTICHLIS SCOPARIA SCOPARIA, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)

REF NO 1-17-448

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		29.	8 4
PROTEIN		%		6.3	9 12
CATTLE	DIG PROT	% *		2.4	
GOATS	DIG PROT	% *		2.4	
HORSES	DIG PROT	% *		2.9	
RABBITS	DIG PROT	% *		3.5	
SHEEP	DIG PROT	% *		2.2	
PHOSPHORUS		%		0.12	14 4

DISTICHLIS SCOPARIA SCOPARIA, AERIAL PART, FRESH, (2)

REF NO 2-11-052

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		28.	7 4
PROTEIN		%		6.3	9 12
CATTLE	DIG PROT	% *		3.2	
GOATS	DIG PROT	% *		2.4	
HORSES	DIG PROT	% *		2.9	
RABBITS	DIG PROT	% *		3.5	
SHEEP	DIG PROT	% *		2.9	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%		0.12	14	6

DISTICHLIS SPICATA, SALTGRASS, SEASHORE

DISTICHLIS SPICATA SEASHORE, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-13-446

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.5		
ASH		%		4.5		1
CRUDE FIBER		%		13.4		1
ETHER EXTRACT		%		2.7		1
NITROGEN FREE EXTRACT		%		69.2		1
PROTEIN		%		10.2		1
CATTLE	DIG PROT	% •		6.6		
GOATS	DIG PROT	% •		6.1		
HORSES	DIG PROT	% •		5.2		
RABBITS	DIG PROT	% •		6.5		
SHEEP	DIG PROT	% •		6.5		
ENERGY	GE KCAL/KG					
SHEEP	DE KCAL/KG	•		3.47		
SHEEP	ME KCAL/KG	•		2.84		
SHEEP	TDN	% •		78.7		

DOLICHOS LABLAB, DOLICHOS, HYACINTH

DOLICHOS LABLAB HYACINTH, AERIAL PART W PODS, S-C, (1)

REF NO 1-09-711

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.9		
ASH		%		5.1		1
CRUDE FIBER		%		40.9		1
ETHER EXTRACT		%		2.7		1
NITROGEN FREE EXTRACT		%		37.5		1
PROTEIN		%		13.8		1
CATTLE	DIG PROT	% •		8.9		
GOATS	DIG PROT	% •		9.4		
HORSES	DIG PROT	% •		9.2		
RABBITS	DIG PROT	% •		9.3		
SHEEP	DIG PROT	% •		8.9		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	•		2.36		
SHEEP	DE KCAL/KG	•		2.39		
CATTLE	ME KCAL/KG	•		1.93		
SHEEP	ME KCAL/KG	•		1.96		
CATTLE	NE-M KCAL/KG	•		1.14		
CATTLE	NE-GAIN KCAL/KG	•		0.42		
CATTLE	NE-LACTATION KCAL/KG	•		1.12		
CATTLE	TDN	% •		53.4		
SHEEP	TDN	% •		54.2		

DOLICHOS LABLAB HYACINTH, HAY, S-C, (1)

REF NO 1-01-805

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.5	100.0		1
ORGANIC MATTER		%	84.9	92.8		
ASH		%	6.6	7.2		1
CRUDE FIBER		%	16.6	18.1		1
ETHER EXTRACT		%	3.8	4.2		1
NITROGEN FREE EXTRACT		%	40.6	44.4		1
PROTEIN		%	23.9	26.1		1
CATTLE	DIG PROT	% •	17.9	19.6		
GOATS	DIG PROT	% •	19.2	20.9		
HORSES	DIG PROT	% •	18.0	19.7		
RABBITS	DIG PROT	% •	17.2	18.8		
SHEEP	DIG PROT	% •	18.3	20.0		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	•	3.02	3.30		
SHEEP	DE KCAL/KG	•	2.89	3.18		
CATTLE	ME KCAL/KG	•	2.47	2.70		
SHEEP	ME KCAL/KG	•	2.37	2.59		
CATTLE	NE-M KCAL/KG	•	1.54	1.69		
CATTLE	NE-GAIN KCAL/KG	•	1.01	1.11		
CATTLE	NE-LACTATION KCAL/KG	•	1.70	1.86		
CATTLE	TDN	% •	68.5	74.8		
SHEEP	TDN	% •	65.6	71.7		
CALCIUM		%	0.01	0.01		1
IRON		%	0.016	0.017		1
PHOSPHORUS		%	0.00	0.00		1

DOLICHOS LABLAB HYACINTH, AERIAL PART, FRESH, (2)

REF NO 2-09-70

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.2	100.0		3
ORGANIC MATTER		%	16.1	88.6	68	1
ASH		%	2.1	11.4	68	13
CRUDE FIBER		%	6.3	34.5	50	13
ETHER EXTRACT		%	1.1	6.2	75	13
NITROGEN FREE EXTRACT		%	3.6	19.5	99	13
PROTEIN		%	5.2	28.2	98	13
CATTLE	DIG PROT	% •	6.0	21.9		
GOATS	DIG PROT	% •	4.2	22.9		
HORSES	DIG PROT	% •	3.9	21.5		
RABBITS	DIG PROT	% •	3.7	20.5		
SHEEP	DIG PROT	% •	4.3	23.3		
CALCIUM		%	0.91	5.00		1
IRON		%	0.016	0.087		1
PHOSPHORUS		%	0.38	2.07		1

DOLICHOS LABLAB HYACINTH, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-17-450

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	13.4	100.0		1
ORGANIC MATTER		%	11.5	85.8		1
ASH		%	1.9	14.2		1
CRUDE FIBER		%	3.7	27.7		1
ETHER EXTRACT		%	0.2	1.2		1
NITROGEN FREE EXTRACT		%	4.0	29.5		1
PROTEIN		%	3.7	27.4		1
CATTLE	DIG PROT	% •	2.8	21.2		
GOATS	DIG PROT	% •	3.0	22.1		
HORSES	DIG PROT	% •	2.8	20.8		
RABBITS	DIG PROT	% •	2.7	19.8		
SHEEP	DIG PROT	% •	3.0	22.5		
ENERGY	GE KCAL/KG					
SHEEP	DE KCAL/KG	•	0.35	2.62		
SHEEP	ME KCAL/KG	•	0.29	2.15		
SHEEP	TDN	% •	8.0	59.5		
CALCIUM		%	0.12	0.86		1
PHOSPHORUS		%	0.06	0.44		1

DOLICHOS LABLAB HYACINTH, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-451

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	20.5	100.0		3
ORGANIC MATTER		%	17.8	86.5		3
ASH		%	2.8	13.5		3
CRUDE FIBER		%	6.5	31.6		3
ETHER EXTRACT		%	0.4	1.8		3
NITROGEN FREE EXTRACT		%	6.5	31.7		3
PROTEIN		%	4.4	21.5		3
CATTLE	DIG PROT	% •	3.3	16.1		
GOATS	DIG PROT	% •	3.4	16.6		
HORSES	DIG PROT	% •	3.2	15.8		
RABBITS	DIG PROT	% •	3.1	15.2		
SHEEP	DIG PROT	% •	3.5	17.0		
ENERGY	GE KCAL/KG					
SHEEP	DE KCAL/KG	•	0.53	2.60		
SHEEP	ME KCAL/KG	•	0.44	2.13		
SHEEP	TDN	% •	12.1	59.0		
CALCIUM		%	0.29	1.39		3
PHOSPHORUS		%	0.12	0.59		3

DOLICHOS LABLAB HYACINTH, AERIAL PART, FRESH, STEM CURED, (2)

REF NO 2-17-449

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.0	100.0		1
ORGANIC MATTER		%	30.1	94.0		1
ASH		%	1.3	4.0		1
CRUDE FIBER		%	12.2	38.2		1
ETHER EXTRACT		%	0.5	1.7		1
NITROGEN FREE EXTRACT		%	15.1	47.3		1
PROTEIN		%	2.8	8.8		1
CATTLE	DIG PROT	% •	1.7	5.4		
GOATS	DIG PROT	% •	1.5	4.8		
HORSES	DIG PROT	% •	1.6	5.0		
RABBITS	DIG PROT	% •	1.7	5.5		
SHEEP	DIG PROT	% •	1.7	5.2		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	•	0.72	2.25		
SHEEP	DE KCAL/KG	•	0.82	2.55		
CATTLE	ME KCAL/KG	•	0.59	1.85		
SHEEP	ME KCAL/KG	•	0.67	2.09		
CATTLE	NE-M KCAL/KG	•	0.35	1.09		
CATTLE	NE-GAIN KCAL/KG	•	0.10	0.32		
CATTLE	NE-LACTATION KCAL/KG	•	0.33	1.04		
CATTLE	TDN	% •	16.4	51.1		
SHEEP	TDN	% •	18.5	57.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CALCIUM	%	0.13	0.41	1
PHOSPHORUS	%	0.04	0.12	1

DOLICHOS LABLAB HYACINTH, LEAVES, FRESH, (2)

REF NO 2-17-452

DRY MATTER	%	17.5	100.0	2
ORGANIC MATTER	%	15.2	87.2	
ASH	%	2.2	12.8	2
CRUDE FIBER	%	2.1	12.1	2
ETHER EXTRACT	%	0.7	4.2	2
NITROGEN FREE EXTRACT	%	7.3	41.6	2
PROTEIN	%	5.1	29.3	2
CATTLE DIG PROT % *		4.0	22.8	
GOATS DIG PROT % *		4.2	23.9	
HORSES DIG PROT % *		3.9	22.4	
RABBITS DIG PROT % *		3.7	21.3	
SHEEP DIG PROT % *		4.2	24.3	

DOLICHOS LABLAB HYACINTH, STEMS, FRESH, (2)

REF NO 2-17-453

DRY MATTER	%	14.0	100.0	2
ORGANIC MATTER	%	12.6	90.0	
ASH	%	1.4	10.0	2
CRUDE FIBER	%	5.7	40.5	2
ETHER EXTRACT	%	0.3	2.5	2
NITROGEN FREE EXTRACT	%	4.9	35.1	2
PROTEIN	%	1.7	11.9	2
CATTLE DIG PROT % *		1.1	8.0	
GOATS DIG PROT % *		1.1	7.7	
HORSES DIG PROT % *		1.1	7.6	
RABBITS DIG PROT % *		1.1	7.9	
SHEEP DIG PROT % *		1.1	8.1	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		0.32	2.26	
SHEEP DE MCAL/KG *		0.36	2.54	
CATTLE ME MCAL/KG *		0.26	1.85	
SHEEP ME MCAL/KG *		0.29	2.08	
CATTLE NE-M MCAL/KG *		0.15	1.09	
CATTLE NE-GAIN MCAL/KG *		0.05	0.33	
CATTLE NE-LACTATION MCAL/KG *		0.15	1.05	
CATTLE TDN % *		7.2	51.2	
SHEEP TDN % *		8.1	57.6	

DOLICHOS LABLAB HYACINTH, SEEDS W PODS, (4)

REF NO 4-09-752

DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.7	
ASH	%		5.3	1
CRUDE FIBER	%		14.7	1
ETHER EXTRACT	%		2.8	1
NITROGEN FREE EXTRACT	%		55.0	1
PROTEIN	%		22.2	1
CATTLE DIG PROT % *			16.4	
GOATS DIG PROT % *			17.6	
HORSES DIG PROT % *			17.6	
SHEEP DIG PROT % *			17.6	
ENERGY GE KCAL/KG				
SHEEP DE MCAL/KG *			3.17	
SHEEP ME MCAL/KG *			2.60	
SHEEP TDN % *			71.9	

DOLICHOS LABLAB HYACINTH, SEEDS, (5)

REF NO 5-09-753

DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.7	
ASH	%		4.3	1
CRUDE FIBER	%		8.9	1
ETHER EXTRACT	%		1.5	1
NITROGEN FREE EXTRACT	%		61.1	1
PROTEIN	%		24.2	1
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *			3.98	
SHEEP DE MCAL/KG *			3.65	
CATTLE ME MCAL/KG *			3.26	
SHEEP ME MCAL/KG *			2.99	
CATTLE NE-M MCAL/KG *			2.24	
CATTLE NE-GAIN MCAL/KG *			1.46	
CATTLE NE-LACTATION MCAL/KG *			2.39	
CATTLE TDN % *			90.2	
SHEEP TDN % *			82.8	

DOLICHOS NOUNGAI

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO

DOLICHOS NOUNGAI NOUNGAI, AERIAL PART, FRESH, (2)

REF NO 2-17-454

DRY MATTER	%	16.3	100.0	2
ORGANIC MATTER	%	14.7	90.2	
ASH	%	1.6	9.8	2
CRUDE FIBER	%	3.9	24.1	2
ETHER EXTRACT	%	0.7	4.1	2
NITROGEN FREE EXTRACT	%	6.9	42.1	2
PROTEIN	%	3.2	19.9	2
CATTLE DIG PROT % *		2.4	14.8	
GOATS DIG PROT % *		2.5	15.1	
HORSES DIG PROT % *		2.4	14.4	
RABBITS DIG PROT % *		2.3	14.0	
SHEEP DIG PROT % *		2.5	15.5	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG *		0.50	3.07	
SHEEP DE MCAL/KG *		0.46	2.94	
CATTLE ME MCAL/KG *		0.41	2.51	
SHEEP ME MCAL/KG *		0.39	2.41	
CATTLE NE-M MCAL/KG *		0.25	1.53	
CATTLE NE-GAIN MCAL/KG *		0.16	0.96	
CATTLE NE-LACTATION MCAL/KG *		0.27	1.68	
CATTLE TDN % *		11.3	69.5	
SHEEP TDN % *		10.9	66.7	

DOLICHOS NOUNGAI NOUNGAI, LEAVES, FRESH, (2)

REF NO 2-17-455

DRY MATTER	%	18.0	100.0	2
ORGANIC MATTER	%	15.9	88.6	
ASH	%	2.1	11.4	2
CRUDE FIBER	%	2.8	15.5	2
ETHER EXTRACT	%	0.7	4.0	2
NITROGEN FREE EXTRACT	%	7.7	42.9	2
PROTEIN	%	4.7	26.3	2
CATTLE DIG PROT % *		3.6	20.2	
GOATS DIG PROT % *		3.8	21.1	
HORSES DIG PROT % *		3.6	19.9	
RABBITS DIG PROT % *		3.4	19.0	
SHEEP DIG PROT % *		3.9	21.5	
ENERGY GE KCAL/KG				
SHEEP DE MCAL/KG *		0.57	3.14	
SHEEP ME MCAL/KG *		0.46	2.57	
SHEEP TDN % *		12.8	71.2	

DOLICHOS NOUNGAI NOUNGAI, STEMS, FRESH, (2)

REF NO 2-17-456

DRY MATTER	%	11.9	100.0	2
ORGANIC MATTER	%	10.6	89.4	
ASH	%	1.3	10.6	2
CRUDE FIBER	%	4.7	39.3	2
ETHER EXTRACT	%	0.3	2.6	2
NITROGEN FREE EXTRACT	%	4.0	33.5	2
PROTEIN	%	1.7	14.0	2
CATTLE DIG PROT % *		1.2	9.8	
GOATS DIG PROT % *		1.1	9.6	
HORSES DIG PROT % *		1.1	9.4	
RABBITS DIG PROT % *		1.1	9.5	
SHEEP DIG PROT % *		1.2	10.0	
ENERGY GE KCAL/KG				
SHEEP DE MCAL/KG *		0.31	2.59	
SHEEP ME MCAL/KG *		0.25	2.12	
SHEEP TDN % *		7.0	58.7	

DRIED APPLE POMACE (AAFCO)
*SEE MALUS SPP, PULP, DEHY ORND, (4)

DRIED BEET PULP (CFA)
*SEE BETA SACCHARIFERA SUGAR, PULP, DEHY, (4)

DRIED BEET PULP (AAFCO)
*SEE BETA SACCHARIFERA SUGAR, PULP, DEHY, (4)

DRIED BUTTERMILK, FEED GRADE (AAFCO)
*SEE BOS SPP, BUTTERMILK, DEHY, FEED GR MX 8% MOISTURE MX 13% ASH MX 5% FAT, (5)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRIED CITRUS MEAL (AAFCO) =SEE CITRUS SPP, PULP FINES, SHREDDED DEHY, (4)					
DRIED CITRUS PULP (AAFCO) =SEE CITRUS SPP, PULP WO FINES, SHREDDED DEHY, (4)					
DRIED MILK ALBUMIN (AAFCO) =SEE BOS SPP, WHEY ALBUMIN, HEAT AND ACID PRECIPITATED DEHY, MN 75% PROTEIN, (5)					
DRIED MOLASSES FERMENTATION SOLUBLES (CFA) =SEE SACCHARUM OFFICINARUM, MOLASSES FERMENTATION SOLUBLES, DEHY, (5)					
DRIED SKIMMED MILK, FEED GRADE (AAFCO) =SEE BOS SPP, MILK, SKIMMED DEHY, MX 8% MOISTURE, (5)					
DRIED WHEY (AAFCO) =SEE BOS SPP, WHEY, DEHY, MN 65% LACTOSE, (4)					
DRIED WHOLE MILK, FEED GRADE (AAFCO) =SEE BOS SPP, MILK, DEHY, FEED GR MX 8% MOISTURE MN 26% FAT, (5)					

DRIMARIA SPP, DRIMARIA

DRIMARIA SPP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-11-620

DRY MATTER	%		100.0	
DM IN VITRO (TILLY) DIG COEF	%		63.	1
CELL WALLS (VAN SOEST)	%		41.2	1
CELLULOSE (VAN SOEST)	%		13.2	1
FIBER, ACID DETERGENT (VS)	%		19.6	1
HEMICELLULOSE	%		21.6	1
LIGNIN KMNO4 (VS)	%		6.1	1

DRIMARIA SPP, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, (2)

REF NO 2-11-621

DRY MATTER	%		100.0	
DM IN VITRO (TILLY) DIG COEF	%		67.	1
CELL WALLS (VAN SOEST)	%		41.5	1
CELLULOSE (VAN SOEST)	%		13.2	1
FIBER, ACID DETERGENT (VS)	%		22.0	1
HEMICELLULOSE	%		19.5	1
LIGNIN KMNO4 (VS)	%		7.3	1

DYSSODIA MICROPOIDES, DOGWEED, MICROPOIDES

DYSSODIA MICROPOIDES MICROPOIDES, BROWSE, FRESH, (2)

REF NO 2-11-646

DRY MATTER	%	37.8	100.0		1
ORGANIC MATTER	%	29.8	79.0		
ASH	%	8.0	21.1	19	4
CRUDE FIBER	%	11.8	31.1	25	4
ETHER EXTRACT	%	2.8	7.5	88	4
NITROGEN FREE EXTRACT	%	10.9	29.0	34	4
PROTEIN	%	4.3	11.5	35	4
CATTLE DIG PROT	% *	2.9	7.6		
GOATS DIG PROT	% *	2.7	7.2		
HORSES DIG PROT	% *	2.7	7.3		
RABBITS DIG PROT	% *	2.8	7.5		
SHEEP DIG PROT	% *	2.9	7.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
EAR CORN CHOP WITH HUSKS (AAFCO) =SEE ZEA MAYS, EARS W HUSKS, GRND, (4)					
EAR CORN CHOP (AAFCO) =SEE ZEA MAYS, EARS, GRND, (4)					

ECHINOCHLOA COLONUM, JUNGLERICE

ECHINOCHLOA COLONUM, STRAW, (1)

REF NO 1-17-616

DRY MATTER	%	87.6	100.0	
ORGANIC MATTER	%	78.6	89.7	
ASH	%	9.0	10.3	
CRUDE FIBER	%	27.7	31.6	
ETHER EXTRACT	%	1.0	1.1	
NITROGEN FREE EXTRACT	%	46.4	53.0	
PROTEIN	%	3.5	4.0	
CATTLE DIG PROT	% *	0.4	0.4	
GOATS DIG PROT	% *	0.3	0.3	
HORSES DIG PROT	% *	0.8	0.9	
RABBITS DIG PROT	% *	1.5	1.8	
SHEEP DIG PROT	% *	0.1	0.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	1.84	2.11	
HORSES DE	MCAL/KG *	1.20	1.38	
SHEEP DE	MCAL/KG *	1.88	2.15	
CATTLE ME	MCAL/KG *	1.51	1.73	
HORSES ME	MCAL/KG *	0.99	1.13	
SHEEP ME	MCAL/KG *	1.54	1.76	
CATTLE NE-M	MCAL/KG *	0.90	1.03	
CATTLE NE-GAIN	MCAL/KG *	0.16	0.18	
CATTLE NE-LACTATION	MCAL/KG *	0.81	0.93	
CATTLE TDN	% *	41.8	47.8	
HORSES TDN	% *	28.9	33.0	
SHEEP TDN	% *	42.7	48.7	

ECHINOCHLOA COLONUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-475

DRY MATTER	%	16.1	100.0	1
ORGANIC MATTER	%	14.1	87.5	1
ASH	%	2.0	12.5	1
CRUDE FIBER	%	5.0	31.0	1
ETHER EXTRACT	%	0.2	1.5	1
NITROGEN FREE EXTRACT	%	6.4	39.7	1
PROTEIN	%	2.5	15.3	1
CATTLE DIG PROT	% *	1.8	10.9	
GOATS DIG PROT	% *	1.7	10.8	
HORSES DIG PROT	% *	1.7	10.5	
RABBITS DIG PROT	% *	1.7	10.5	
SHEEP DIG PROT	% *	1.8	11.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.43	2.66	
SHEEP DE	MCAL/KG *	0.41	2.55	
CATTLE ME	MCAL/KG *	0.35	2.18	
SHEEP ME	MCAL/KG *	0.34	2.09	
CATTLE NE-M	MCAL/KG *	0.21	1.29	
CATTLE NE-GAIN	MCAL/KG *	0.11	0.67	
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.36	
CATTLE TDN	% *	9.7	60.4	
SHEEP TDN	% *	9.3	57.9	
CALCIUM	%	0.12	0.72	1
PHOSPHORUS	%	0.04	0.22	1

ECHINOCHLOA CRUSPAVONIS, COCKSPUR, GULF

ECHINOCHLOA CRUSPAVONIS GULF, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-473

DRY MATTER	%	22.1	100.0	1
ORGANIC MATTER	%	20.0	90.4	1
ASH	%	2.1	9.6	1
CRUDE FIBER	%	6.8	30.9	1
ETHER EXTRACT	%	0.2	0.9	1
NITROGEN FREE EXTRACT	%	9.8	44.4	1
PROTEIN	%	3.1	14.2	1
CATTLE DIG PROT	% *	2.2	10.0	
GOATS DIG PROT	% *	2.2	9.8	
HORSES DIG PROT	% *	2.1	9.6	
RABBITS DIG PROT	% *	2.1	9.6	
SHEEP DIG PROT	% *	2.3	10.2	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.61	2.74	
SHEEP DE	MCAL/KG *	0.57	2.59	
CATTLE ME	MCAL/KG *	0.50	2.25	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	ME MCAL/KG *	0.47	2.12		
CATTLE	NE-M MCAL/KG *	0.30	1.34		
CATTLE	NE-GAIN MCAL/KG *	0.16	0.73		
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.43		
CATTLE	TDN % *	13.8	62.2		
SHEEP	TDN % *	13.0	58.7		
CALCIUM	%	0.10	0.46		1
PHOSPHORUS	%	0.03	0.13		1

ECHINOCHLOA POLYSTACHYA, CUCKSPUR, AFRICAN WONDER

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, HAY, S-C, (1)

REF NO 1-11-345

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.6	100.0		1
ORGANIC MATTER	%	82.7	87.4		
ASH	%	11.9	12.6		1
CRUDE FIBER	%	29.9	31.6		1
ETHER EXTRACT	%	3.5	3.7		1
NITROGEN FREE EXTRACT	%	36.1	38.2		1
PROTEIN	%	13.2	14.0		1
CATTLE	DIG PROT % *	8.5	9.0		
GOATS	DIG PROT % *	9.1	9.6		
HORSES	DIG PROT % *	8.9	9.4		
RABBITS	DIG PROT % *	8.9	9.4		
SHEEP	DIG PROT % *	8.6	9.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.13	2.26		
HORSES	DE MCAL/KG *	1.79	1.89		
SHEEP	DE MCAL/KG *	2.16	2.28		
CATTLE	ME MCAL/KG *	1.75	1.85		
HORSES	ME MCAL/KG *	1.46	1.55		
SHEEP	ME MCAL/KG *	1.77	1.87		
CATTLE	NE-M MCAL/KG *	1.03	1.09		
CATTLE	NE-GAIN MCAL/KG *	0.31	0.33		
CATTLE	NE-LACTATION MCAL/KG *	0.99	1.05		
CATTLE	TDN % *	48.4	51.2		
HORSES	TDN % *	44.4	47.0		
SHEEP	TDN % *	48.9	51.7		
CALCIUM	%	0.01	0.01		1
IRON	%	0.022	0.023		1
PHOSPHORUS	%	0.00	0.00		1
VITAMIN A EQUIV	IU/G	25.0	26.4		

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, HAY, S-C, LATE VEGETATIVE, (1)

REF NO 1-11-177

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	83.9	100.0		1
ORGANIC MATTER	%	73.3	87.4		
ASH	%	10.6	12.6		1
CRUDE FIBER	%	27.0	32.2		1
ETHER EXTRACT	%	2.8	3.3		1
NITROGEN FREE EXTRACT	%	32.7	39.0		1
PROTEIN	%	10.8	12.9		1
CATTLE	DIG PROT % *	6.8	8.1		
GOATS	DIG PROT % *	7.2	8.6		
HORSES	DIG PROT % *	7.1	8.5		
RABBITS	DIG PROT % *	7.2	8.6		
SHEEP	DIG PROT % *	6.8	8.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.89	2.25		
HORSES	DE MCAL/KG *	1.63	1.94		
SHEEP	DE MCAL/KG *	1.89	2.26		
CATTLE	ME MCAL/KG *	1.55	1.85		
HORSES	ME MCAL/KG *	1.34	1.59		
SHEEP	ME MCAL/KG *	1.55	1.85		
CATTLE	NE-M MCAL/KG *	0.91	1.09		
CATTLE	NE-GAIN MCAL/KG *	0.27	0.32		
CATTLE	NE-LACTATION MCAL/KG *	0.87	1.04		
CATTLE	TDN % *	42.8	51.0		
HORSES	TDN % *	40.7	48.5		
SHEEP	TDN % *	42.9	51.2		

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, HAY, S-C, MIDBLOOM, (1)

REF NO 1-11-371

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.4	100.0		1
ORGANIC MATTER	%	77.3	89.5		
ASH	%	9.1	10.5		1
CRUDE FIBER	%	30.7	35.5		1
ETHER EXTRACT	%	1.8	2.1		1
NITROGEN FREE EXTRACT	%	38.0	44.0		1
PROTEIN	%	6.8	7.9		1
CATTLE	DIG PROT % *	3.2	3.8		
GOATS	DIG PROT % *	3.4	3.9		
HORSES	DIG PROT % *	3.6	4.2		
RABBITS	DIG PROT % *	4.1	4.7		
SHEEP	DIG PROT % *	3.1	3.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.91	2.21		
HORSES	DE MCAL/KG *	1.54	1.78		
SHEEP	DE MCAL/KG *	1.90	2.19		
CATTLE	ME MCAL/KG *	1.57	1.81		
HORSES	ME MCAL/KG *	1.26	1.46		
SHEEP	ME MCAL/KG *	1.55	1.80		
CATTLE	NE-M MCAL/KG *	0.93	1.07		
CATTLE	NE-GAIN MCAL/KG *	0.25	0.28		
CATTLE	NE-LACTATION MCAL/KG *	0.87	1.01		
CATTLE	TDN % *	43.3	50.1		
HORSES	TDN % *	38.2	44.2		
SHEEP	TDN % *	43.0	49.8		

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, HEADS, S-C, (1)

REF NO 1-13-440

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.8	100.0		3
ORGANIC MATTER	%	81.3	89.5		
ASH	%	9.5	10.5		3
CRUDE FIBER	%	39.6	43.6		3
ETHER EXTRACT	%	0.7	0.8		3
NITROGEN FREE EXTRACT	%	36.2	39.8		3
PROTEIN	%	4.8	5.3		3
CATTLE	DIG PROT % *	1.4	1.5		
GOATS	DIG PROT % *	1.4	1.5		
HORSES	DIG PROT % *	1.9	2.0		
RABBITS	DIG PROT % *	2.5	2.8		
SHEEP	DIG PROT % *	1.2	1.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.85	2.04		
HORSES	DE MCAL/KG *	1.21	1.33		
SHEEP	DE MCAL/KG *	1.92	2.11		
CATTLE	ME MCAL/KG *	1.52	1.67		
HORSES	ME MCAL/KG *	0.99	1.09		
SHEEP	ME MCAL/KG *	1.57	1.73		
CATTLE	NE-M MCAL/KG *	0.90	1.00		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.11		
CATTLE	NE-LACTATION MCAL/KG *	0.79	0.87		
CATTLE	TDN % *	42.0	46.2		
HORSES	TDN % *	28.7	31.6		
SHEEP	TDN % *	43.5	47.9		
CALCIUM	%	0.13	0.15		3
PHOSPHORUS	%	0.15	0.17		3

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, LEAVES, S-C, (1)

REF NO 1-13-438

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.5	100.0	1	6
ORGANIC MATTER	%	74.3	81.2		
ASH	%	17.2	18.8	7	6
CRUDE FIBER	%	33.1	36.2	8	6
ETHER EXTRACT	%	1.0	1.1	32	6
NITROGEN FREE EXTRACT	%	33.6	36.7	13	6
PROTEIN	%	6.6	7.2	59	6
CATTLE	DIG PROT % *	2.9	3.2		
GOATS	DIG PROT % *	3.0	3.3		
HORSES	DIG PROT % *	3.3	3.6		
RABBITS	DIG PROT % *	3.9	4.2		
SHEEP	DIG PROT % *	2.8	3.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.69	1.85		
SHEEP	DE MCAL/KG *	1.79	1.96		
CATTLE	ME MCAL/KG *	1.39	1.52		
SHEEP	ME MCAL/KG *	1.47	1.61		
CATTLE	NE-M MCAL/KG *	0.84	0.92		
CATTLE	NE-GAIN MCAL/KG *	-0.07	-0.08		
CATTLE	NE-LACTATION MCAL/KG *	0.67	0.73		
CATTLE	TDN % *	38.4	42.0		
SHEEP	TDN % *	40.7	44.5		
CALCIUM	%	0.20	0.22	35	6
PHOSPHORUS	%	0.20	0.22	33	6

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, STEMS, S-C, (1)

REF NO 1-13-439

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.8	100.0	2	5
ORGANIC MATTER	%	78.4	86.3		
ASH	%	12.4	13.7	47	5
CRUDE FIBER	%	35.5	39.1	16	5
ETHER EXTRACT	%	0.8	0.9	23	5
NITROGEN FREE EXTRACT	%	38.1	41.9	8	5
PROTEIN	%	4.0	4.4	77	5
CATTLE	DIG PROT % *	0.7	0.8		
GOATS	DIG PROT % *	0.6	0.7		
HORSES	DIG PROT % *	1.2	1.3		
RABBITS	DIG PROT % *	1.9	2.1		
SHEEP	DIG PROT % *	0.5	0.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.76	1.94		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DE MCAL/KG *	1.26	1.39		
SHEEP	DE MCAL/KG *	1.83	2.02		
CATTLE	ME MCAL/KG *	1.45	1.59		
HORSES	ME MCAL/KG *	1.04	1.14		
SHEEP	ME MCAL/KG *	1.50	1.65		
CATTLE	NE-M MCAL/KG *	0.87	0.96		
CATTLE	NE-GAIN MCAL/KG *	0.01	0.01		
CATTLE	NE-LACTATION MCAL/KG *	0.73	0.80		
CATTLE	TDN % *	40.0	44.0		
HORSES	TDN % *	30.4	33.4		
SHEEP	TDN % *	41.6	45.7		
CALCIUM	%	0.20	0.22	54	5
PHOSPHORUS	%	0.25	0.27	59	5

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, (2)

REF NO 2-11-158

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.6	100.0	18	5
ORGANIC MATTER	%	16.3	88.0	23	3
ASH	%	2.1	11.3	23	12
CRUDE FIBER	%	6.4	34.7	11	12
ETHER EXTRACT	%	0.4	2.1	50	12
NITROGEN FREE EXTRACT	%	6.8	36.7	6	11
PROTEIN	%	2.8	15.1	98	12
CATTLE DIG PROT % *		2.0	10.8		
GOATS DIG PROT % *		2.0	10.7		
HORSES DIG PROT % *		1.9	10.4		
RABBITS DIG PROT % *		1.9	10.4		
SHEEP DIG PROT % *		2.1	11.1		
ENERGY	GE KCAL/KG				
CATTLE DE MCAL/KG *		0.47	2.54		
SHEEP DE MCAL/KG *		0.48	2.58		
CATTLE ME MCAL/KG *		0.39	2.08		
SHEEP ME MCAL/KG *		0.39	2.11		
CATTLE NE-M MCAL/KG *		0.23	1.23		
CATTLE NE-GAIN MCAL/KG *		0.11	0.57		
CATTLE NE-LACTATION MCAL/KG *		0.24	1.27		
CATTLE TDN % *		10.7	57.6		
SHEEP TDN % *		10.8	58.4		
CALCIUM	%	0.12	0.66	61	4
IRON	%	0.004	0.023		1
MAGNESIUM	%	0.10	0.55		2
PHOSPHORUS	%	0.05	0.25	18	4
VITAMIN A EQUIV	IU/G	4.9	26.4		

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-11-144

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.0	100.0		1
ORGANIC MATTER	%	14.0	87.3		1
ASH	%	2.0	12.7		1
CRUDE FIBER	%	5.1	32.0		1
ETHER EXTRACT	%	0.7	4.2		1
NITROGEN FREE EXTRACT	%	6.0	37.3		1
PROTEIN	%	2.2	13.8		1
CATTLE DIG PROT % *		1.5	9.6		
GOATS DIG PROT % *		1.5	9.5		
HORSES DIG PROT % *		1.5	9.3		
RABBITS DIG PROT % *		1.5	9.3		
SHEEP DIG PROT % *		1.6	9.9		
ENERGY	GE KCAL/KG				
CATTLE DE MCAL/KG *		0.38	2.36		
SHEEP DE MCAL/KG *		0.42	2.65		
CATTLE ME MCAL/KG *		0.31	1.94		
SHEEP ME MCAL/KG *		0.35	2.18		
CATTLE NE-M MCAL/KG *		0.18	1.14		
CATTLE NE-GAIN MCAL/KG *		0.07	0.42		
CATTLE NE-LACTATION MCAL/KG *		0.18	1.13		
CATTLE TDN % *		8.6	53.6		
SHEEP TDN % *		9.6	60.2		

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-118

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.0	100.0	12	14
ORGANIC MATTER	%	14.7	86.7	7	12
ASH	%	2.3	13.3	7	12
CRUDE FIBER	%	5.4	31.6	10	14
ETHER EXTRACT	%	0.5	2.9	23	16
CATTLE DIG COEF %		51.	51.		1
NITROGEN FREE EXTRACT	%	6.7	39.3	8	12
PROTEIN	%	2.2	13.0	18	16
CATTLE DIG COEF %		63.	63.		1
CATTLE DIG PROT %		1.4	8.2		
GOATS DIG PROT % *		1.5	8.7		
HORSES DIG PROT % *		1.5	8.6		
RABBITS DIG PROT % *		1.5	8.7		
SHEEP DIG PROT % *		1.5	9.1		
CELL WALLS (VAN SOEST)	%	10.0	59.1		3
ENERGY	GE KCAL/KG	710.	4177.		1
CATTLE GE DIG COEF %		65.	65.		1
CATTLE DE MCAL/KG		0.46	2.72		
SHEEP DE MCAL/KG *		0.44	2.57		
CATTLE ME MCAL/KG *		0.38	2.23		
SHEEP ME MCAL/KG *		0.36	2.11		
CATTLE NE-M MCAL/KG *		0.22	1.32		
CATTLE NE-GAIN MCAL/KG *		0.12	0.71		
CATTLE NE-LACTATION MCAL/KG *		0.24	1.40		
CATTLE TDN % *		9.1	53.8		
SHEEP TDN % *		9.9	58.3		
DM INTAKE, CATTLE % OF BODY WT		0.24	1.40		1

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-11-159

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.5	100.0	11	9
ORGANIC MATTER	%	16.1	87.1	26	8
ASH	%	2.4	12.9	26	8
CRUDE FIBER	%	6.2	33.4	10	9
ETHER EXTRACT	%	0.5	3.0	38	9
NITROGEN FREE EXTRACT	%	7.5	40.3	8	8
PROTEIN	%	1.9	10.5	14	9
CATTLE DIG PROT % *		1.3	6.8		
GOATS DIG PROT % *		1.2	6.4		
HORSES DIG PROT % *		1.2	6.4		
RABBITS DIG PROT % *		1.3	6.8		
SHEEP DIG PROT % *		1.3	6.8		
CELL WALLS (VAN SOEST)	%	11.0	59.1		1
ENERGY	GE KCAL/KG				
CATTLE DE MCAL/KG *		0.42	2.27		
SHEEP DE MCAL/KG *		0.47	2.52		
CATTLE ME MCAL/KG *		0.34	1.86		
SHEEP ME MCAL/KG *		0.38	2.07		
CATTLE NE-M MCAL/KG *		0.20	1.10		
CATTLE NE-GAIN MCAL/KG *		0.06	0.34		
CATTLE NE-LACTATION MCAL/KG *		0.20	1.06		
CATTLE TDN % *		9.5	51.5		
SHEEP TDN % *		10.6	57.2		

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-11-168

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.7	100.0	15	6
ORGANIC MATTER	%	18.3	88.5	17	6
ASH	%	2.4	11.5	17	6
CRUDE FIBER	%	7.4	35.6	11	6
ETHER EXTRACT	%	0.4	2.1	25	8
CATTLE DIG COEF %		46.	46.		1
NITROGEN FREE EXTRACT	%	8.8	42.5	5	6
PROTEIN	%	1.7	8.3	25	8
CATTLE DIG COEF %		63.	63.		1
CATTLE DIG PROT %		1.1	5.2		
GOATS DIG PROT % *		0.9	4.3		
HORSES DIG PROT % *		1.0	4.6		
RABBITS DIG PROT % *		1.1	5.1		
SHEEP DIG PROT % *		1.0	4.8		
CELL WALLS (VAN SOEST)	%	14.2	68.8		2
ENERGY	GE KCAL/KG	842.	4075.		1
CATTLE GE DIG COEF %		57.	57.		1
CATTLE DE MCAL/KG		0.48	2.32		
SHEEP DE MCAL/KG *		0.51	2.45		
CATTLE ME MCAL/KG *		0.39	1.90		
SHEEP ME MCAL/KG *		0.42	2.01		
CATTLE NE-M MCAL/KG *		0.23	1.12		
CATTLE NE-GAIN MCAL/KG *		0.08	0.39		
CATTLE NE-LACTATION MCAL/KG *		0.23	1.10		
CATTLE TDN % *		10.6	51.4		
SHEEP TDN % *		11.5	55.6		
DM INTAKE, CATTLE % OF BODY WT		0.34	1.63		1

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-11-176

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ETHER EXTRACT	%		2.9		1
CATTLE DIG COEF %			65.		1
PROTEIN	%		9.0		2
CATTLE DIG COEF %			59.		1
CATTLE DIG PROT %			5.3		
GOATS DIG PROT % *			4.9		
HORSES DIG PROT % *			5.1		
RABBITS DIG PROT % *			5.0		
SHEEP DIG PROT % *			5.3		
CELL WALLS (VAN SOEST)	%		67.8		2
ENERGY	GE KCAL/KG		4142.		1
CATTLE GE DIG COEF %			57.		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	DE MCAL/KG		2.36	
CATTLE	ME MCAL/KG *		1.94	
CATTLE	NE-M MCAL/KG *		1.14	
CATTLE	NE-GAIN MCAL/KG *		0.42	
CATTLE	NE-LACTATION MCAL/KG *		1.13	
DM INTAKE, CATTLE	% OF BODY WT		1.80	1

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)

REF NO 2-11-175

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	16.0	100.0	1
ORGANIC MATTER	%	14.6	91.3	1
ASH	%	1.4	8.7	1
CRUDE FIBER	%	5.4	33.6	1
ETHER EXTRACT	%	0.2	1.3	1
NITROGEN FREE EXTRACT	%	8.4	52.6	1
PROTEIN	%	0.6	3.8	1
CATTLE	DIG PROT % *	0.2	1.1	
GOATS	DIG PROT % *	0.0	0.1	
HORSES	DIG PROT % *	0.1	0.8	
RABBITS	DIG PROT % *	0.3	1.6	
SHEEP	DIG PROT % *	0.1	0.6	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.37	2.28	
SHEEP	DE MCAL/KG *	0.39	2.45	
CATTLE	ME MCAL/KG *	0.30	1.87	
SHEEP	ME MCAL/KG *	0.32	2.01	
CATTLE	NE-M MCAL/KG *	0.18	1.10	
CATTLE	NE-GAIN MCAL/KG *	0.06	0.35	
CATTLE	NE-LACTATION MCAL/KG *	0.17	1.07	
CATTLE	TDN % *	8.3	51.8	
SHEEP	TDN % *	8.9	55.7	

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-692

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	20.3	100.0	22 26
ORGANIC MATTER	%	18.1	88.8	
ASH	%	2.3	11.2	20 26
CRUDE FIBER	%	10.0	49.2	10 26
ETHER EXTRACT	%	0.2	1.2	29 25
NITROGEN FREE EXTRACT	%	5.9	29.0	34 26
PROTEIN	%	1.9	9.4	46 26
CATTLE	DIG PROT % *	1.2	5.9	
GOATS	DIG PROT % *	1.1	5.3	
HORSES	DIG PROT % *	1.1	5.5	
RABBITS	DIG PROT % *	1.2	5.9	
SHEEP	DIG PROT % *	1.2	5.8	

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-486

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.8	100.0	1
ORGANIC MATTER	%	19.4	85.2	
ASH	%	3.4	14.8	1
CRUDE FIBER	%	7.3	32.1	1
ETHER EXTRACT	%	0.5	2.1	1
NITROGEN FREE EXTRACT	%	10.0	43.8	1
PROTEIN	%	1.6	7.2	1
CATTLE	DIG PROT % *	0.9	4.0	
GOATS	DIG PROT % *	0.8	3.3	
HORSES	DIG PROT % *	0.8	3.7	
RABBITS	DIG PROT % *	1.0	4.2	
SHEEP	DIG PROT % *	0.8	3.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.52	2.27	
SHEEP	DE MCAL/KG *	0.55	2.42	
CATTLE	ME MCAL/KG *	0.42	1.86	
SHEEP	ME MCAL/KG *	0.45	1.98	
CATTLE	NE-M MCAL/KG *	0.25	1.10	
CATTLE	NE-GAIN MCAL/KG *	0.08	0.34	
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.06	
CATTLE	TDN % *	11.7	51.5	
SHEEP	TDN % *	12.5	54.8	

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-17-487

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	23.4	100.0	1
ORGANIC MATTER	%	19.6	83.7	
ASH	%	3.8	16.3	1
CRUDE FIBER	%	7.4	31.8	1
ETHER EXTRACT	%	0.5	2.1	1
NITROGEN FREE EXTRACT	%	10.1	43.1	1
PROTEIN	%	1.6	6.7	1
CATTLE	DIG PROT % *	0.8	3.6	
GOATS	DIG PROT % *	0.7	2.8	
HORSES	DIG PROT % *	0.7	3.2	
RABBITS	DIG PROT % *	0.9	3.8	
SHEEP	DIG PROT % *	0.7	3.2	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.52	2.23	
SHEEP	DE MCAL/KG *	0.56	2.38	
CATTLE	ME MCAL/KG *	0.43	1.83	
SHEEP	ME MCAL/KG *	0.46	1.95	
CATTLE	NE-M MCAL/KG *	0.25	1.08	
CATTLE	NE-GAIN MCAL/KG *	0.07	0.30	
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.02	
CATTLE	TDN % *	11.8	50.5	
SHEEP	TDN % *	12.6	53.9	

ECHINOCHLOA POLYSTACHYA AFRICAN WONDER, LEAVES, FRESH, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-13-905

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	14.8	100.0	1
ORGANIC MATTER	%	12.7	86.1	
ASH	%	2.1	13.9	1
CRUDE FIBER	%	5.5	37.3	1
PROTEIN	%	0.8	5.4	1
CATTLE	DIG PROT % *	0.4	2.5	
GOATS	DIG PROT % *	0.2	1.6	
HORSES	DIG PROT % *	0.3	2.1	
RABBITS	DIG PROT % *	0.4	2.8	
SHEEP	DIG PROT % *	0.3	2.0	

ECHINOCHLOA SPECTABILIS, CUCKSPUR, SPECTABILIS

ECHINOCHLOA SPECTABILIS SPECTABILIS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-474

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.2	100.0	1
ORGANIC MATTER	%	19.5	88.0	1
ASH	%	2.7	12.0	1
CRUDE FIBER	%	6.5	29.3	1
ETHER EXTRACT	%	0.2	1.0	1
NITROGEN FREE EXTRACT	%	10.5	47.5	1
PROTEIN	%	2.3	10.2	1
CATTLE	DIG PROT % *	1.5	6.6	
GOATS	DIG PROT % *	1.3	6.1	
HORSES	DIG PROT % *	1.4	6.2	
RABBITS	DIG PROT % *	1.5	6.5	
SHEEP	DIG PROT % *	1.4	6.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.59	2.64	
SHEEP	DE MCAL/KG *	0.56	2.53	
CATTLE	ME MCAL/KG *	0.48	2.17	
SHEEP	ME MCAL/KG *	0.46	2.07	
CATTLE	NE-M MCAL/KG *	0.29	1.28	
CATTLE	NE-GAIN MCAL/KG *	0.15	0.66	
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.35	
CATTLE	TDN % *	13.3	60.0	
SHEEP	TDN % *	12.7	57.3	
CALCIUM	%	0.06	0.25	1
PHOSPHORUS	%	0.05	0.22	1

EICHHORNIA CRASSIPES, WATERHYACINTH, COMMON

EICHHORNIA CRASSIPES COMMON, AERIAL PART, DEHY GRND, (1)

REF NO 1-13-460

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	93.0	100.0	2 6
ORGANIC MATTER	%	67.1	72.2	
ASH	%	25.8	27.8	15 6
CRUDE FIBER	%	11.8	12.6	25 6
ETHER EXTRACT	%	0.7	0.8	30 6
NITROGEN FREE EXTRACT	%	46.5	50.0	7 6
PROTEIN	%	8.2	8.8	42 6
CATTLE	DIG PROT % *	4.2	4.5	
GOATS	DIG PROT % *	4.4	4.8	
HORSES	DIG PROT % *	4.6	5.0	
RABBITS	DIG PROT % *	5.1	5.5	
SHEEP	DIG PROT % *	4.1	4.5	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	2.10	2.26	
SHEEP	ME MCAL/KG *	1.72	1.85	
SHEEP	TDN % *	47.6	51.2	
CALCIUM	%	1.22	1.31	1
PHOSPHORUS	%	0.04	0.04	1

ELAEIS GUINEENSIS, OILPALM, AFRICAN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ELAEIS GUINEENSIS AFRICAN, HULLS, (1)						
REF NO 1-13-317						
DRY MATTER		%	96.5	100.0		1
ORGANIC MATTER		%	89.6	92.9		
ASH		%	6.9	7.1		1
CRUDE FIBER		%	22.0	22.8		1
ETHER EXTRACT		%	18.4	19.1		1
NITROGEN FREE EXTRACT		%	41.0	42.5		1
PROTEIN		%	8.2	8.5		1
CATTLE	DIG PROT	% *	4.2	4.3		
GOATS	DIG PROT	% *	4.3	4.5		
HORSES	DIG PROT	% *	4.6	4.7		
RABBITS	DIG PROT	% *	5.0	5.2		
SHEEP	DIG PROT	% *	4.0	4.2		
ELAEIS GUINEENSIS AFRICAN, KERNELS, (4)						
REF NO 4-13-788						
DRY MATTER		%	88.4	100.0		3
ORGANIC MATTER		%	86.6	97.9		3
ASH		%	1.9	2.1		3
CRUDE FIBER		%	20.1	22.7		3
ETHER EXTRACT		%	33.3	37.7		3
NITROGEN FREE EXTRACT		%	23.1	26.2		3
PROTEIN		%	10.0	11.3		3
CATTLE	DIG PROT	% *	5.6	6.4		
GOATS	DIG PROT	% *	6.7	7.6		
HORSES	DIG PROT	% *	6.7	7.6		
SHEEP	DIG PROT	% *	6.7	7.6		
ELAEIS GUINEENSIS AFRICAN, KERNELS, MECH EXTD GRND, (4)						
REF NO 4-13-786						
DRY MATTER		%	90.7	100.0		1
ORGANIC MATTER		%	87.5	96.5	5	1
ASH		%	3.0	3.3	5	4
CRUDE FIBER		%	17.2	18.9	23	4
ETHER EXTRACT		%	6.3	7.0	28	4
NITROGEN FREE EXTRACT		%	48.2	53.1	6	4
PROTEIN		%	16.0	17.7	1	4
CATTLE	DIG PROT	% *	11.1	12.2		
GOATS	DIG PROT	% *	12.2	13.4		
HORSES	DIG PROT	% *	12.2	13.4		
SHEEP	DIG PROT	% *	12.2	13.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.15	3.47		
SHEEP	DE	MCAL/KG *	2.78	3.07		
SWINE	DE	KCAL/KG *	2469.	2723.		
CATTLE	ME	MCAL/KG *	2.58	2.85		
SHEEP	ME	MCAL/KG *	2.28	2.52		
SWINE	ME	KCAL/KG *	2282.	2517.		
CATTLE	NE-M	MCAL/KG *	1.65	1.82		
CATTLE	NE-GAIN	MCAL/KG *	1.10	1.21		
CATTLE	NE-LACTATION	MCAL/KG *	1.81	2.00		
CATTLE	TDN	% *	71.5	78.8		
SHEEP	TDN	% *	63.1	69.6		
SWINE	TDN	% *	56.0	61.8		
ELAEIS GUINEENSIS AFRICAN, KERNELS, MECH EXTD GRND CAKED, (4)						
REF NO 4-13-787						
DRY MATTER		%	91.6	100.0	4	7
ORGANIC MATTER		%	88.4	96.5	15	4
ASH		%	3.4	3.7	15	8
CRUDE FIBER		%	20.4	22.3	39	8
ETHER EXTRACT		%	9.6	10.5	45	8
NITROGEN FREE EXTRACT		%	43.8	47.8	11	7
PROTEIN		%	14.4	15.7	31	8
CATTLE	DIG PROT	% *	9.5	10.4		
GOATS	DIG PROT	% *	10.6	11.6		
HORSES	DIG PROT	% *	10.6	11.6		
SHEEP	DIG PROT	% *	10.6	11.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.39	3.70		
SHEEP	DE	MCAL/KG *	2.74	2.99		
SWINE	DE	KCAL/KG *	2280.	2488.		
CATTLE	ME	MCAL/KG *	2.78	3.04		
SHEEP	ME	MCAL/KG *	2.24	2.45		
SWINE	ME	KCAL/KG *	2116.	2310.		
CATTLE	NE-M	MCAL/KG *	1.83	2.00		
CATTLE	NE-GAIN	MCAL/KG *	1.22	1.33		
CATTLE	NE-LACTATION	MCAL/KG *	2.00	2.18		
CATTLE	TDN	% *	77.0	84.0		
SHEEP	TDN	% *	62.1	67.7		
SWINE	TDN	% *	51.7	56.4		
CALCIUM		%	0.24	0.26		3
IRON		%	0.022	0.024		1
PHOSPHORUS		%	0.45	0.49		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ELAEIS GUINEENSIS AFRICAN, KERNELS W HULLS, MECH EXTD, (5)						
REF NO 5-10-692						
DRY MATTER		%	94.6	100.0		1
ORGANIC MATTER		%	89.7	94.8		1
ASH		%	4.9	5.2		1
CRUDE FIBER		%	22.9	24.2		1
ETHER EXTRACT		%	10.2	10.8		1
NITROGEN FREE EXTRACT		%	36.4	38.5		1
PROTEIN		%	20.2	21.4		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.09	3.26		
SHEEP	DE	MCAL/KG *	2.94	3.11		
CATTLE	ME	MCAL/KG *	2.53	2.68		
SHEEP	ME	MCAL/KG *	2.41	2.55		
CATTLE	NE-M	MCAL/KG *	1.57	1.66		
CATTLE	NE-GAIN	MCAL/KG *	1.03	1.09		
CATTLE	NE-LACTATION	MCAL/KG *	1.73	1.83		
CATTLE	TDN	% *	70.0	74.0		
SHEEP	TDN	% *	66.6	70.4		
CALCIUM		%	0.20	0.21		1
IRON		%	0.019	0.020		1
PHOSPHORUS		%	0.69	0.73		1
NIACIN		MG/KG	6.6	7.0		1
RIBOFLAVIN		MG/KG				
THIAMINE		MG/KG				
ELEOCHARIS GENICULATA, SPIKESEDGE, GENICULATA						
ELEOCHARIS GENICULATA GENICULATA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-478						
DRY MATTER		%	21.7	100.0		1
ORGANIC MATTER		%	18.7	86.0		1
ASH		%	3.0	14.0		1
CRUDE FIBER		%	7.4	34.1		1
ETHER EXTRACT		%	0.3	1.4		1
NITROGEN FREE EXTRACT		%	7.6	35.0		1
PROTEIN		%	3.4	15.5		1
CATTLE	DIG PROT	% *	2.4	11.1		
GOATS	DIG PROT	% *	2.4	11.0		
HORSES	DIG PROT	% *	2.3	10.7		
RABBITS	DIG PROT	% *	2.3	10.6		
SHEEP	DIG PROT	% *	2.5	11.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.73		
SHEEP	DE	MCAL/KG *	0.54	2.47		
CATTLE	ME	MCAL/KG *	0.49	2.24		
SHEEP	ME	MCAL/KG *	0.44	2.03		
CATTLE	NE-M	MCAL/KG *	0.29	1.33		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.42		
CATTLE	TDN	% *	13.4	62.0		
SHEEP	TDN	% *	12.2	56.1		
CALCIUM		%	0.07	0.32		1
PHOSPHORUS		%	0.04	0.19		1
ELEUSINE INDICA, GOOSEGRASS						
ELEUSINE INDICA, AERIAL PART, FRESH, (2)						
REF NO 2-10-435						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.9		
ASH		%		11.1		1
CRUDE FIBER		%		28.3		1
ETHER EXTRACT		%		1.7		1
NITROGEN FREE EXTRACT		%		30.5		1
PROTEIN		%		28.4		1
CATTLE	DIG PROT	% *		22.0		
GOATS	DIG PROT	% *		23.1		
HORSES	DIG PROT	% *		21.6		
RABBITS	DIG PROT	% *		20.6		
SHEEP	DIG PROT	% *		23.5		
ELEUSINE INDICA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-477						
DRY MATTER		%	23.0	100.0		2
ORGANIC MATTER		%	20.0	87.1		2
ASH		%	3.0	13.0		2
CRUDE FIBER		%	7.2	31.4		2
ETHER EXTRACT		%	0.5	2.2		2
NITROGEN FREE EXTRACT		%	9.8	42.8		2
PROTEIN		%	2.5	10.8		2
CATTLE	DIG PROT	% *	1.6	7.1		
GOATS	DIG PROT	% *	1.5	6.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	1.5	6.7		
RABBITS	DIG PROT % *	1.6	7.0		
SHEEP	DIG PROT % *	1.6	7.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.56	2.42		
SHEEP	DE MCAL/KG *	0.58	2.52		
CATTLE	ME MCAL/KG *	0.46	1.99		
SHEEP	ME MCAL/KG *	0.47	2.07		
CATTLE	NE-M MCAL/KG *	0.27	1.17		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.48		
CATTLE	NE-LACTATION MCAL/KG *	0.27	1.18		
CATTLE	TDN % *	12.6	55.0		
SHEEP	TDN % *	13.1	57.1		
CALCIUM	%	0.12	0.51		2
PHOSPHORUS	%	0.05	0.23		2

ELEUSINE INDICA, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-11-855

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.0	100.0		1
ORGANIC MATTER	%	20.4	88.5		
ASH	%	2.6	11.5		1
CRUDE FIBER	%	6.7	29.2		1
ETHER EXTRACT	%	0.5	2.0		1
NITROGEN FREE EXTRACT	%	10.7	46.6		1
PROTEIN	%	2.5	10.7		1
CATTLE	DIG PROT % *	1.6	7.0		
GOATS	DIG PROT % *	1.5	6.5		
HORSES	DIG PROT % *	1.5	6.6		
RABBITS	DIG PROT % *	1.6	6.9		
SHEEP	DIG PROT % *	1.6	7.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.59	2.55		
SHEEP	DE MCAL/KG *	0.60	2.59		
CATTLE	ME MCAL/KG *	0.48	2.09		
SHEEP	ME MCAL/KG *	0.49	2.13		
CATTLE	NE-M MCAL/KG *	0.28	1.23		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.58		
CATTLE	NE-LACTATION MCAL/KG *	0.29	1.27		
CATTLE	TDN % *	13.3	57.8		
SHEEP	TDN % *	13.5	58.8		
CALCIUM	%	0.11	0.46		1
PHOSPHORUS	%	0.09	0.38		1

ELODEA POTAMOGETON

ELODEA POTAMOGETON POTAMOGETON, AERIAL PART, FRESH, (2)

REF NO 2-11-667

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	9.8	100.0		1
ORGANIC MATTER	%	6.5	66.2		
ASH	%	3.3	33.8		2
CRUDE FIBER	%	1.2	12.2		2
SHEEP	DIG COEF %	83.	83.		1
ETHER EXTRACT	%	0.1	1.2		2
SHEEP	DIG COEF %	42.	42.		1
NITROGEN FREE EXTRACT	%	3.8	38.6		1
SHEEP	DIG COEF %	76.	76.		1
PROTEIN	%	1.4	14.2		2
SHEEP	DIG COEF %	62.	62.		1
CATTLE	DIG PROT % *	1.0	9.9		
GOATS	DIG PROT % *	1.0	9.8		
HORSES	DIG PROT % *	0.9	9.5		
RABBITS	DIG PROT % *	0.9	9.6		
SHEEP	DIG PROT %	0.9	8.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.16	1.59		
SHEEP	DE MCAL/KG *	0.21	2.18		
CATTLE	ME MCAL/KG *	0.13	1.30		
SHEEP	ME MCAL/KG *	0.17	1.79		
CATTLE	NE-M MCAL/KG *	0.08	0.83		
CATTLE	NE-GAIN MCAL/KG *	-0.04	-0.38		
CATTLE	NE-LACTATION MCAL/KG *	0.05	0.53		
CATTLE	TDN % *	3.5	36.1		
SHEEP	TDN %	4.8	49.4		1

ELYMUS JUNCEUS, WILDRYE, RUSSIAN

ELYMUS JUNCEUS RUSSIAN, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-05-468

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.9	100.0		1
DM IN VITRO (TILLY)	DIG COEF %	62.	62.		1
ORGANIC MATTER	%	32.7	91.2		
ASH	%	3.2	8.8		1
PROTEIN	%	6.3	17.5		1
CATTLE	DIG PROT % *	4.6	12.8		
GOATS	DIG PROT % *	4.6	12.9		
HORSES	DIG PROT % *	4.4	12.4		
RABBITS	DIG PROT % *	4.4	12.2		
SHEEP	DIG PROT % *	4.8	13.3		

ELYONURUS TRIPSACOIDES, BALSAMSCALE, PANAMERICAN

ELYONURUS TRIPSACOIDES PANAMERICAN, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-00-481

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	37.5	100.0		1
ORGANIC MATTER	%	35.5	94.7		1
ASH	%	2.0	5.3		1
CRUDE FIBER	%	15.2	40.6		1
ETHER EXTRACT	%	1.3	3.5		1
NITROGEN FREE EXTRACT	%	16.8	44.7		1
PROTEIN	%	2.2	5.9		1
CATTLE	DIG PROT % *	1.1	2.9		
GOATS	DIG PROT % *	0.8	2.1		
HORSES	DIG PROT % *	1.0	2.5		
RABBITS	DIG PROT % *	1.2	3.2		
SHEEP	DIG PROT % *	0.9	2.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.75	2.01		
SHEEP	DE MCAL/KG *	0.93	2.48		
CATTLE	ME MCAL/KG *	0.62	1.65		
SHEEP	ME MCAL/KG *	0.76	2.04		
CATTLE	NE-M MCAL/KG *	0.37	0.99		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.09		
CATTLE	NE-LACTATION MCAL/KG *	0.32	0.85		
CATTLE	TDN % *	17.1	45.6		
SHEEP	TDN % *	21.1	56.3		
CALCIUM	%	0.10	0.26		1
PHOSPHORUS	%	0.07	0.18		1

ENGRAULIS RINGENS, ANCHOVY, RINGEN

ENGRAULIS RINGENS RINGENS, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

REF NO 5-13-459

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.5	100.0	2	20
ORGANIC MATTER	%	74.8	81.7		
ASH	%	16.7	18.3	24	18
CRUDE FIBER	%	0.8	0.9	98	13
ETHER EXTRACT	%	7.3	8.0	67	20
NITROGEN FREE EXTRACT	%	8.2	9.0	38	16
PROTEIN	%	58.5	63.9	14	20
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.11	3.40		
CATTLE	ME MCAL/KG *	2.55	2.78		
CATTLE	NE-M MCAL/KG *	1.61	1.76		
CATTLE	NE-GAIN MCAL/KG *	1.07	1.16		
CATTLE	NE-LACTATION MCAL/KG *	1.77	1.94		
CATTLE	TDN % *	70.4	77.0		
CALCIUM	%	5.03	5.50	68	8
IRON	%	0.475	0.519		1
MAGNESIUM	%	0.24	0.26	20	4
PHOSPHORUS	%	3.36	3.67	68	5
SALT (NACL)	%	0.20	0.22		1

ENGRAULIS SPP, FISH, ANCHOVY

ENGRAULIS SPP ANCHOVY, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)
FISH MEAL, ANCHOVY

REF NO 5-01-985

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.1	100.0	1	98
ORGANIC MATTER	%	79.4	85.3	13	97
ASH	%	13.9	14.9	13	98
CRUDE FIBER	%	0.8	0.9	77	8
ETHER EXTRACT	%	(9.3)	(10.0)	28	98
FAT, TOTAL (OFFICIAL)	%	10.0	10.7	26	40
NITROGEN FREE EXTRACT	%	3.6	3.8	57	8
PROTEIN	%	65.5	70.4	7	98
FATTY ACIDS	%				
LINOLEIC	%	0.060	0.065		1
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG *	3159.	3392.		
CHICKENS	ME-N KCAL/KG	2616.	2809.		2
SWINE	ME KCAL/KG	(2507.)	(2692.)		1
CHICKENS	PRODUCTIVE KCAL/KG	1936.	2079.		1
SWINE	TDN %	71.6	76.9		1
ALUMINUM	MG/KG	(73.48)	(78.90)	90	23
BARIUM	MG/KG	5.480	5.884	51	23
BORON	MG/KG	12.500	13.422	34	23
CALCIUM	%	(3.52)	(3.78)	20	99
CHLORINE	%	(0.30)	(0.32)		1
CHROMIUM	MG/KG	6.998	7.514	43	23

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
COPPER	MG/KG	(9.4)	(10.1)	39	25
IRON	%	0.023	0.024	56	25
MAGNESIUM	%	0.24	0.26	29	25
MANGANESE	MG/KG	9.6	10.3	54	26
PHOSPHORUS	%	(2.66)	(2.65)	16	99
CHICKENS, CHICKS AVAILABLE	%	2.80	3.01		1
POTASSIUM	%	0.69	0.75	38	26
SALT (NACL)	%	2.26	2.43	30	98
SELENIUM	MG/KG	(1.379)	(1.481)	30	26
SODIUM	%	(0.90)	(0.96)	49	26
STRONTIUM	MG/KG	(73.448)	(78.865)	50	23
ZINC	MG/KG	(103.9)	(111.6)	24	25
A-TUCOPHEROL	MG/KG	(4.6)	(4.9)		2
BIOTIN	MG/KG	(0.23)	(0.25)		2
CHOLINE	MG/KG	(4462.)	(4791.)		2
FOLIC ACID	MG/KG	(0.21)	(0.23)		2
NIACIN	MG/KG	(101.3)	(108.7)		2
PANTOTHENIC ACID	MG/KG	(14.8)	(15.9)		2
RIBOFLAVIN	MG/KG	(7.1)	(7.7)		2
THIAMINE	MG/KG	(0.1)	(0.1)		1
VITAMIN B6	MG/KG	(3.50)	(3.76)		1
VITAMIN B12	UG/KG	(357.1)	(383.4)		2
ALANINE	%	4.01	4.31	18	30
ARGININE	%	3.73	4.01	19	32
ASPARTIC ACID	%	6.13	6.58	18	30
CYSTINE	%	0.62	0.66	29	27
GLUTAMIC ACID	%	8.41	9.03	18	30
GLYCINE	%	3.66	3.93	18	32
HISTIDINE	%	1.57	1.68	21	32
ISOLEUCINE	%	3.07	3.30	17	32
LEUCINE	%	4.91	5.27	17	31
LYSINE	%	5.13	5.51	13	32
METHIONINE	%	1.90	2.04	21	32
PHENYLALANINE	%	2.73	2.93	18	32
PROLINE	%	2.59	2.79	18	30
SERINE	%	2.37	2.54	19	30
THREONINE	%	2.75	2.95	19	32
TRYPTOPHAN	%	0.73	0.79	20	32
TYROSINE	%	2.23	2.39	19	31
VALINE	%	3.46	3.72	18	32

ENTEROLOBIUM CYCLOCARPUM, EARPODTREE, GUANACASTE

ENTEROLOBIUM CYCLOCARPUM GUANACASTE, FRUIT WO SEEDS, (4)

REF NO 4-10-687

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.4	100.0		3
ORGANIC MATTER	%	82.1	96.1		3
ASH	%	3.3	3.9		3
CRUDE FIBER	%	15.0	17.6		3
ETHER EXTRACT	%	0.6	0.6		3
NITROGEN FREE EXTRACT	%	57.6	67.4		3
PROTEIN	%	9.0	10.5		3
CATTLE DIG PROT	% *	4.8	5.7		
GOATS DIG PROT	% *	5.9	6.9		
HORSES DIG PROT	% *	5.9	6.9		
SHEEP DIG PROT	% *	5.9	6.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	2.45	2.87		
SHEEP DE MCAL/KG	*	2.92	3.42		
SWINE DE KCAL/KG	*	2565.	3002.		
CATTLE ME MCAL/KG	*	2.01	2.35		
SHEEP ME MCAL/KG	*	2.39	2.80		
SWINE ME KCAL/KG	*	2408.	2818.		
CATTLE NE-M MCAL/KG	*	1.21	1.41		
CATTLE NE-GAIN MCAL/KG	*	0.71	0.83		
CATTLE NE-LACTATION MCAL/KG	*	1.30	1.53		
CATTLE TDN	% *	55.6	65.1		
SHEEP TDN	% *	66.2	77.5		
SWINE TDN	% *	58.2	68.1		
CALCIUM	%	0.21	0.24		3
IRON	%	0.007	0.009		3
PHOSPHORUS	%	0.08	0.09		3

ENTEROLOBIUM CYCLOCARPUM GUANACASTE, SEEDS, (5)

REF NO 5-10-686

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.7	100.0	2	5
ORGANIC MATTER	%	64.3	72.4	8	5
ASH	%	3.6	4.1	8	5
CRUDE FIBER	%	11.9	13.5	64	5
ETHER EXTRACT	%	1.5	1.7	49	5
NITROGEN FREE EXTRACT	%	52.3	59.0	6	5
PROTEIN	%	19.4	21.8	54	5
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	3.13	3.53		
SHEEP DE MCAL/KG	*	3.03	3.41		
CATTLE ME MCAL/KG	*	2.57	2.90		
SHEEP ME MCAL/KG	*	2.48	2.80		
CATTLE NE-M MCAL/KG	*	1.65	1.86		
CATTLE NE-GAIN MCAL/KG	*	1.10	1.24		
CATTLE NE-LACTATION MCAL/KG	*	1.81	2.04		
CATTLE TDN	% *	71.1	80.1		
SHEEP TDN	% *	68.6	77.3		
CALCIUM	%	0.15	0.17		3
IRON	%	0.024	0.027		3
PHOSPHORUS	%	0.26	0.29		3

EQUUS CABALLUS, HORSE

EQUUS CABALLUS, MEAT W BONE, DRY RENDERED GRND, (5)

REF NO 5-11-769

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		73.3		
ASH	%		26.7		1
CRUDE FIBER	%		2.2		1
ETHER EXTRACT	%		8.3		1
NITROGEN FREE EXTRACT	%		0.3		1
PROTEIN	%		62.5		1
CALCIUM	%		8.82		1
PHOSPHORUS	%		3.87		1

ERAGROSTIS ABYSSINICA, TEFF

ERAGROSTIS ABYSSINICA, AERIAL PART, DEHY, (1)

REF NO 1-11-675

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	96.5	100.0		1
ORGANIC MATTER	%	87.5	90.7		
ASH	%	9.0	9.3		1
CRUDE FIBER	%	33.4	34.6		1
ETHER EXTRACT	%	3.2	3.3		1
NITROGEN FREE EXTRACT	%	40.4	41.9		1
PROTEIN	%	10.5	10.9		1
CATTLE DIG PROT	% *	6.1	6.4		
GOATS DIG PROT	% *	6.5	6.7		
HORSES DIG PROT	% *	6.5	6.8		
RABBITS DIG PROT	% *	6.8	7.1		
SHEEP DIG PROT	% *	6.1	6.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	2.23	2.31		
HORSES DE MCAL/KG	*	1.87	1.93		
SHEEP DE MCAL/KG	*	2.21	2.29		
CATTLE ME MCAL/KG	*	1.83	1.90		
HORSES ME MCAL/KG	*	1.53	1.59		
SHEEP ME MCAL/KG	*	1.61	1.88		
CATTLE NE-M MCAL/KG	*	1.08	1.12		
CATTLE NE-GAIN MCAL/KG	*	0.36	0.38		
CATTLE NE-LACTATION MCAL/KG	*	1.05	1.09		
CATTLE TDN	% *	50.6	52.5		
HORSES TDN	% *	46.6	48.3		
SHEEP TDN	% *	50.0	51.9		
CALCIUM	%	0.50	0.52		1
IRON	%	1.230	1.275		1
PHOSPHORUS	%	0.12	0.12		1
VITAMIN A EQUIV	IU/G	23.5	24.4		

ERAGROSTIS ABYSSINICA, AERIAL PART, FRESH, (2)

REF NO 2-04-822

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.6	100.0		1
ORGANIC MATTER	%	22.3	90.7		1
ASH	%	2.3	9.3		1
CRUDE FIBER	%	8.5	34.6		1
ETHER EXTRACT	%	0.8	3.3		1
NITROGEN FREE EXTRACT	%	10.3	41.9		1
PROTEIN	%	2.7	10.9		1
CATTLE DIG PROT	% *	1.8	7.1		
GOATS DIG PROT	% *	1.7	6.7		
HORSES DIG PROT	% *	1.7	6.8		
RABBITS DIG PROT	% *	1.7	7.1		
SHEEP DIG PROT	% *	1.8	7.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	0.59	2.38		
SHEEP DE MCAL/KG	*	0.64	2.60		
CATTLE ME MCAL/KG	*	0.48	1.95		
SHEEP ME MCAL/KG	*	0.52	2.13		
CATTLE NE-M MCAL/KG	*	0.28	1.15		
CATTLE NE-GAIN MCAL/KG	*	0.11	0.44		
CATTLE NE-LACTATION MCAL/KG	*	0.28	1.14		
CATTLE TDN	% *	13.3	54.0		
SHEEP TDN	% *	14.5	58.9		
CALCIUM	%	0.01	0.05		1
IRON	%	0.003	0.012		1
PHOSPHORUS	%	0.03	0.12		1
VITAMIN A EQUIV	IU/G	6.0	24.4		

ERAGROSTIS CHLOROMELAS, LOVEGRASS, BOER

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CHLOROMELAS BUER, AERIAL PART, FRESH, (2)						
REF NO 2-02-652						
DRY MATTER		%	39.0	100.0		1
ORGANIC MATTER		%	33.9	86.8		1
ASH		%	5.1	13.2		1
CRUDE FIBER		%	14.6	37.5		1
ETHER EXTRACT		%	1.5	3.7		1
NITROGEN FREE EXTRACT		%	14.6	37.5		1
PROTEIN		%	3.1	8.0		1
CATTLE	DIG PROT	% *	1.8	4.7		
GOATS	DIG PROT	% *	1.6	4.0		
HORSES	DIG PROT	% *	1.7	4.3		
RABBITS	DIG PROT	% *	1.9	4.9		
SHEEP	DIG PROT	% *	1.7	4.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.76	1.96		
SHEEP	DE	MCAL/KG *	0.96	2.46		
CATTLE	ME	MCAL/KG *	0.63	1.61		
SHEEP	ME	MCAL/KG *	0.79	2.01		
CATTLE	NE-M	MCAL/KG *	0.38	0.96		
CATTLE	NE-GAIN	MCAL/KG *	0.01	0.03		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	0.81		
CATTLE	TDN	% *	17.3	44.4		
SHEEP	TDN	% *	21.7	55.7		
CALCIUM		%	0.04	0.10		1
IRON		%	0.009	0.024		1
PHOSPHORUS		%	0.07	0.18		1
VITAMIN A EQUIV		IU/G	7.3	18.7		

ERAGROSTIS CILIARIS, LOVEGRASS, GOPHERTAIL

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CILIARIS GOPHERTAIL, AERIAL PART, FRESH, LATE BLOOM, (2)						
REF NO 2-11-853						
DRY MATTER		%	33.1	100.0		1
ORGANIC MATTER		%	31.0	93.6		
ASH		%	2.1	6.4		1
CRUDE FIBER		%	11.9	36.1		1
ETHER EXTRACT		%	0.9	2.7		1
NITROGEN FREE EXTRACT		%	15.6	47.1		1
PROTEIN		%	2.5	7.7		1
CATTLE	DIG PROT	% *	1.5	4.4		
GOATS	DIG PROT	% *	1.2	3.7		
HORSES	DIG PROT	% *	1.3	4.1		
RABBITS	DIG PROT	% *	1.5	4.6		
SHEEP	DIG PROT	% *	1.4	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.75	2.28		
SHEEP	DE	MCAL/KG *	0.85	2.55		
CATTLE	ME	MCAL/KG *	0.62	1.87		
SHEEP	ME	MCAL/KG *	0.69	2.09		
CATTLE	NE-M	MCAL/KG *	0.37	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.35		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.07		
CATTLE	TDN	% *	17.1	51.7		
SHEEP	TDN	% *	19.2	57.9		
CALCIUM		%	0.33	0.99		1
PHOSPHORUS		%	0.09	0.28		1

ERAGROSTIS CURVULA, LOVEGRASS, WEEPING

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, HAY, S-C, 29 TO 42 DAYS' GROWTH, (1)						
REF NO 1-11-514						
DRY MATTER		%	93.5	100.0		6
ORGANIC MATTER		%	88.0	94.1		6
ASH		%	5.5	5.9		6
CRUDE FIBER		%	31.5	33.7		6
ETHER EXTRACT		%	1.6	1.7		6
NITROGEN FREE EXTRACT		%	49.6	53.0		
PROTEIN		%	5.3	5.7		6
CATTLE	DIG PROT	% *	1.8	1.9		
GOATS	DIG PROT	% *	1.8	1.9		
HORSES	DIG PROT	% *	2.2	2.4		
RABBITS	DIG PROT	% *	2.9	3.1		
SHEEP	DIG PROT	% *	1.6	1.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.20	2.36		
HORSES	DE	MCAL/KG *	1.48	1.58		
SHEEP	DE	MCAL/KG *	2.15	2.30		
CATTLE	ME	MCAL/KG *	1.81	1.93		
HORSES	ME	MCAL/KG *	1.21	1.30		
SHEEP	ME	MCAL/KG *	1.77	1.89		
CATTLE	NE-M	MCAL/KG *	1.06	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.39	0.42		
CATTLE	NE-LACTATION	MCAL/KG *	1.05	1.12		
CATTLE	TDN	% *	50.0	53.4		
HORSES	TDN	% *	36.1	38.6		
SHEEP	TDN	% *	48.9	52.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, HAY, S-C, MATURE, CUT 1, (1)						
REF NO 1-11-542						
DRY MATTER		%	90.9	100.0	1	10
ORGANIC MATTER		%	87.2	96.0		10
ASH		%	3.6	4.0		10
CRUDE FIBER		%	32.8	36.1		10
ETHER EXTRACT		%	1.6	1.7	10	10
NITROGEN FREE EXTRACT		%	48.5	53.4		
PROTEIN		%	4.4	4.8		10
CATTLE	DIG PROT	% *	1.0	1.1		
GOATS	DIG PROT	% *	0.9	1.0		
HORSES	DIG PROT	% *	1.5	1.6		
RABBITS	DIG PROT	% *	2.2	2.4		
SHEEP	DIG PROT	% *	0.8	0.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.19	2.41		
HORSES	DE	MCAL/KG *	1.39	1.53		
SHEEP	DE	MCAL/KG *	2.11	2.32		
CATTLE	ME	MCAL/KG *	1.79	1.98		
HORSES	ME	MCAL/KG *	1.14	1.25		
SHEEP	ME	MCAL/KG *	1.73	1.90		
CATTLE	NE-M	MCAL/KG *	1.06	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.42	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	1.06	1.17		
CATTLE	TDN	% *	49.6	54.6		
HORSES	TDN	% *	33.8	37.2		
SHEEP	TDN	% *	47.8	52.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, (2)						
REF NO 2-02-677						
DRY MATTER		%	59.1	100.0	33	39
DM IN VITRO (TILLY)	DIG COEF	%	41.	41.	19	36
ORGANIC MATTER		%	53.9	91.2		
ASH		%	5.2	8.8		1
CRUDE FIBER		%	21.4	36.2		3
ETHER EXTRACT		%	0.9	1.5		1
NITROGEN FREE EXTRACT		%	26.5	44.9		1
PROTEIN		%	5.1	8.6	31	39
CATTLE	DIG PROT	% *	3.1	5.2		
GOATS	DIG PROT	% *	2.7	4.6		
HORSES	DIG PROT	% *	2.9	4.8		
RABBITS	DIG PROT	% *	3.1	5.3		
SHEEP	DIG PROT	% *	3.0	5.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.41	2.38		
SHEEP	DE	MCAL/KG *	1.46	2.47		
CATTLE	ME	MCAL/KG *	1.15	1.95		
SHEEP	ME	MCAL/KG *	1.20	2.03		
CATTLE	NE-M	MCAL/KG *	0.68	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.44		
CATTLE	NE-LACTATION	MCAL/KG *	0.67	1.14		
CATTLE	TDN	% *	31.9	53.9		
SHEEP	TDN	% *	33.1	56.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-10-643						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		47.	12	8
PROTEIN		%		13.9	7	8
CATTLE	DIG PROT	% *		9.7		
GOATS	DIG PROT	% *		9.6		
HORSES	DIG PROT	% *		9.4		
RABBITS	DIG PROT	% *		9.4		
SHEEP	DIG PROT	% *		10.0		
CALCIUM		%		0.24	16	8
COPPER		MG/KG		27.6	41	8
MAGNESIUM		%		0.21	17	8
MANGANESE		MG/KG		48.8	15	8
PHOSPHORUS		%		0.26	11	8
POTASSIUM		%		1.35	22	8
SODIUM		%		0.03	19	8
ZINC		MG/KG		27.1	11	8

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-10-661						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		49.	11	12
PROTEIN		%		13.6	4	12
CATTLE	DIG PROT	% *		9.4		
GOATS	DIG PROT	% *		9.2		
HORSES	DIG PROT	% *		9.1		
RABBITS	DIG PROT	% *		9.1		
SHEEP	DIG PROT	% *		9.6		
CALCIUM		%		0.27	13	12
COPPER		MG/KG		30.3	44	12
MAGNESIUM		%		0.23	17	12
MANGANESE		MG/KG		50.6	12	12
PHOSPHORUS		%		0.24	9	12
POTASSIUM		%		1.35	24	12
SODIUM		%		0.02	50	12
ZINC		MG/KG		26.6	17	12

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-647						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		47.	12	12
PROTEIN		%		13.0	5	12
CATTLE	DIG PROT	% *		8.9		
GOATS	DIG PROT	% *		8.7		
HORSES	DIG PROT	% *		8.5		
RABBITS	DIG PROT	% *		8.7		
SHEEP	DIG PROT	% *		9.1		
CALCIUM		%		0.28	16	12
COPPER		MG/KG		31.9	40	12
MAGNESIUM		%		0.23	15	12
MANGANESE		MG/KG		53.2	10	12
PHOSPHORUS		%		0.25	14	12
POTASSIUM		%		1.33	16	12
SODIUM		%		0.02	47	12
ZINC		MG/KG		26.6	15	12

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-648						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		46.	11	4
PROTEIN		%		12.5	2	4
CATTLE	DIG PROT	% *		8.5		
GOATS	DIG PROT	% *		8.2		
HORSES	DIG PROT	% *		8.1		
RABBITS	DIG PROT	% *		8.3		
SHEEP	DIG PROT	% *		8.6		
CALCIUM		%		0.28	15	4
COPPER		MG/KG		33.8	33	4
MAGNESIUM		%		0.23	18	4
MANGANESE		MG/KG		54.0	11	4
PHOSPHORUS		%		0.25	10	4
POTASSIUM		%		1.42	6	4
SODIUM		%		0.03	23	4
ZINC		MG/KG		27.3	6	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-682						
DRY MATTER		%	37.3	100.0		1
ORGANIC MATTER		%	33.6	90.2		1
ASH		%	3.7	9.8		1
CRUDE FIBER		%	14.2	38.2		1
ETHER EXTRACT		%	0.9	2.4		1
NITROGEN FREE EXTRACT		%	15.4	41.2		1
PROTEIN		%	3.1	8.4		1
CATTLE	DIG PROT	% *	1.9	5.0		
GOATS	DIG PROT	% *	1.6	4.4		
HORSES	DIG PROT	% *	1.7	4.7		
RABBITS	DIG PROT	% *	1.9	5.2		
SHEEP	DIG PROT	% *	1.8	4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.80	2.16		
SHEEP	DE	MCAL/KG *	0.92	2.47		
CATTLE	ME	MCAL/KG *	0.66	1.77		
SHEEP	ME	MCAL/KG *	0.76	2.03		
CATTLE	ME-M	MCAL/KG *	0.39	1.05		
CATTLE	ME-GAIN	MCAL/KG *	0.09	0.23		
CATTLE	ME-LACTATION	MCAL/KG *	0.36	0.97		
CATTLE	TDN	% *	18.2	48.9		
SHEEP	TDN	% *	20.9	56.1		
CALCIUM		%	0.11	0.29		1
PHOSPHORUS		%	0.07	0.18		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-17-684						
DRY MATTER		%	16.6	100.0		2
ORGANIC MATTER		%	15.9	96.0		
ASH		%	0.7	4.0		1
CRUDE FIBER		%	6.4	38.8		2
ETHER EXTRACT		%	0.4	2.9		2
NITROGEN FREE EXTRACT		%	5.4	32.5		
PROTEIN		%	3.6	21.8		2
CATTLE	DIG PROT	% *	2.7	16.4		
GOATS	DIG PROT	% *	2.8	16.9		
HORSES	DIG PROT	% *	2.7	16.0		
RABBITS	DIG PROT	% *	2.6	15.5		
SHEEP	DIG PROT	% *	2.9	17.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)						
REF NO 2-17-687						
DRY MATTER		%	17.9	100.0		2
ORGANIC MATTER		%	16.8	94.1		
ASH		%	1.1	5.9		1
CRUDE FIBER		%	9.4	52.7		2
ETHER EXTRACT		%	0.5	2.9		2
NITROGEN FREE EXTRACT		%	5.6	31.7		
PROTEIN		%	1.2	6.8		2
CATTLE	DIG PROT	% *	0.6	3.6		
GOATS	DIG PROT	% *	0.5	2.9		
HORSES	DIG PROT	% *	0.6	3.3		
RABBITS	DIG PROT	% *	0.7	3.9		
SHEEP	DIG PROT	% *	0.6	3.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-10-657						
DRY MATTER		%	35.7	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	53.	53.		1
PROTEIN		%	3.4	9.6		1
CATTLE	DIG PROT	% *	2.2	6.1		
GOATS	DIG PROT	% *	2.0	5.5		
HORSES	DIG PROT	% *	2.0	5.7		
RABBITS	DIG PROT	% *	2.2	6.1		
SHEEP	DIG PROT	% *	2.1	5.9		
CALCIUM		%	0.09	0.25		1
COPPER		MG/KG	6.1	17.0		1
MAGNESIUM		%	0.05	0.13		1
MANGANESE		MG/KG	12.1	34.0		1
PHOSPHORUS		%	0.11	0.30		1
POTASSIUM		%	0.53	1.48		1
ZINC		MG/KG	8.9	25.0		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-10-659						
DRY MATTER		%	41.9	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	38.	38.		1
PROTEIN		%	3.9	9.2		1
CATTLE	DIG PROT	% *	2.4	5.7		
GOATS	DIG PROT	% *	2.2	5.1		
HORSES	DIG PROT	% *	2.2	5.3		
RABBITS	DIG PROT	% *	2.4	5.8		
SHEEP	DIG PROT	% *	2.3	5.6		
CALCIUM		%	0.10	0.23		1
COPPER		MG/KG	4.6	11.0		1
MAGNESIUM		%	0.04	0.09		1
MANGANESE		MG/KG	11.3	27.0		1
PHOSPHORUS		%	0.09	0.22		1
POTASSIUM		%	0.50	1.20		1
SODIUM		%	0.01	0.02		1
ZINC		MG/KG	7.1	17.0		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH FERTILIZED, CUT 1, (2)						
REF NO 2-10-658						
DRY MATTER		%	35.2	100.0	5	15
OM IN VITRO (TILLY)	DIG COEF	%	56.	56.	4	15
PROTEIN		%	6.0	17.1	98	15
CATTLE	DIG PROT	% *	4.4	12.5		
GOATS	DIG PROT	% *	4.4	12.6		
HORSES	DIG PROT	% *	4.3	12.1		
RABBITS	DIG PROT	% *	4.2	11.9		
SHEEP	DIG PROT	% *	4.6	13.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALCIUM		%	0.10	0.28	15	8
COPPER		MG/KG	8.3	23.0	18	8
MAGNESIUM		%	0.05	0.15	18	8
MANGANESE		MG/KG	14.9	42.0	27	8
PHOSPHORUS		%	0.10	0.28	12	8
POTASSIUM		%	0.64	1.81	9	8
ZINC		MG/KG	10.9	31.0	14	8

ERAGROSTIS CURVULA WEEPING, AERIAL PART, FRESH FERTILIZED, CUT 2, (2)

REF NO 2-10-660

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	42.0	100.0	2	14
OM IN VITRO (TILLY)	DIG COEF	%	42.	42.	5	14
PROTEIN		%	4.0	9.5	7	14
CATTLE	DIG PROT	% *	2.5	5.9		
GOATS	DIG PROT	% *	2.3	5.4		
HORSES	DIG PROT	% *	2.3	5.6		
RABBITS	DIG PROT	% *	2.5	6.0		
SHEEP	DIG PROT	% *	2.4	5.8		
CALCIUM		%	0.13	0.30	16	7
COPPER		MG/KG	6.1	14.4	21	7
MAGNESIUM		%	0.06	0.15	19	7
MANGANESE		MG/KG	20.0	47.7	31	7
PHOSPHORUS		%	0.11	0.25	16	7
POTASSIUM		%	0.65	1.54	14	7
SODIUM		%	0.01	0.02	55	5
ZINC		MG/KG	10.5	25.0	15	7

ERAGROSTIS LUGENS, LOVEGRASS, MOURNING

ERAGROSTIS LUGENS MOURNING, HAY, S-C, (1)

REF NO 1-10-688

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	83.8	100.0		1
ORGANIC MATTER		%	74.5	88.9		
ASH		%	9.3	11.1		1
CRUDE FIBER		%	23.5	28.0		1
ETHER EXTRACT		%	1.2	1.4		1
NITROGEN FREE EXTRACT		%	43.4	51.8		1
PROTEIN		%	6.5	7.7		1
CATTLE	DIG PROT	% *	3.0	3.6		
GOATS	DIG PROT	% *	3.1	3.7		
HORSES	DIG PROT	% *	3.4	4.1		
RABBITS	DIG PROT	% *	3.9	4.6		
SHEEP	DIG PROT	% *	2.9	3.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.89	2.25		
HORSES	DE	MCAL/KG *	1.38	1.64		
SHEEP	DE	MCAL/KG *	1.90	2.27		
CATTLE	ME	MCAL/KG *	1.55	1.85		
HORSES	ME	MCAL/KG *	1.13	1.35		
SHEEP	ME	MCAL/KG *	1.56	1.86		
CATTLE	NE-M	MCAL/KG *	0.91	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.32		
CATTLE	NE-LACTATION	MCAL/KG *	0.88	1.05		
CATTLE	TDN	% *	42.8	51.1		
HORSES	TDN	% *	33.8	40.3		
SHEEP	TDN	% *	43.2	51.5		

ERAGROSTIS LUGENS MOURNING, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-10-662

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	48.1	100.0		1
ORGANIC MATTER		%	43.2	89.9		
ASH		%	4.9	10.1		1
CRUDE FIBER		%	15.2	31.5		1
ETHER EXTRACT		%	0.7	1.5		1
NITROGEN FREE EXTRACT		%	24.7	51.3		1
PROTEIN		%	2.7	5.6		1
CATTLE	DIG PROT	% *	1.3	2.7		
GOATS	DIG PROT	% *	0.9	1.8		
HORSES	DIG PROT	% *	1.1	2.3		
RABBITS	DIG PROT	% *	1.4	3.0		
SHEEP	DIG PROT	% *	1.1	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.16	2.41		
SHEEP	DE	MCAL/KG *	1.20	2.50		
CATTLE	ME	MCAL/KG *	0.95	1.97		
SHEEP	ME	MCAL/KG *	0.99	2.05		
CATTLE	NE-M	MCAL/KG *	0.56	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	0.56	1.16		
CATTLE	TDN	% *	26.3	54.6		
SHEEP	TDN	% *	27.3	56.8		
CALCIUM		%	0.07	0.14		1
PHOSPHORUS		%	0.03	0.06		1

ERAGROSTIS SPP, LOVEGRASS

ERAGROSTIS SPP, AERIAL PART, FRESH, (2)

REF NO 2-02-651

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	54.0	100.0		3
ORGANIC MATTER		%	49.8	92.1		
ASH		%	4.3	7.9		3
CRUDE FIBER		%	18.2	33.7		3
ETHER EXTRACT		%	1.6	3.0		3
NITROGEN FREE EXTRACT		%	24.5	45.4		3
PROTEIN		%	5.4	10.0		3
CATTLE	DIG PROT	% *	3.5	6.4		
GOATS	DIG PROT	% *	3.2	5.9		
HORSES	DIG PROT	% *	3.3	6.0		
RABBITS	DIG PROT	% *	3.5	6.4		
SHEEP	DIG PROT	% *	3.4	6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.33	2.47		
SHEEP	DE	MCAL/KG *	1.41	2.61		
CATTLE	ME	MCAL/KG *	1.09	2.03		
SHEEP	ME	MCAL/KG *	1.16	2.14		
CATTLE	NE-M	MCAL/KG *	0.65	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.28	0.51		
CATTLE	NE-LACTATION	MCAL/KG *	0.66	1.21		
CATTLE	TDN	% *	30.3	56.0		
SHEEP	TDN	% *	32.0	59.3		
CALCIUM		%	0.00	0.01		1
IRON		%	0.013	0.023		1
PHOSPHORUS		%	0.00	0.00		1
VITAMIN A EQUIV		IU/G	11.4	21.2		

ERAGROSTIS SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-480

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.8	100.0		1
ORGANIC MATTER		%	15.5	87.2		1
ASH		%	2.3	12.8		1
CRUDE FIBER		%	5.3	29.9		1
ETHER EXTRACT		%	0.3	1.8		1
NITROGEN FREE EXTRACT		%	6.7	37.6		1
PROTEIN		%	3.2	17.9		1
CATTLE	DIG PROT	% *	2.3	13.1		
GOATS	DIG PROT	% *	2.4	13.3		
HORSES	DIG PROT	% *	2.3	12.7		
RABBITS	DIG PROT	% *	2.2	12.5		
SHEEP	DIG PROT	% *	2.4	13.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.66		
SHEEP	DE	MCAL/KG *	0.46	2.60		
CATTLE	ME	MCAL/KG *	0.39	2.18		
SHEEP	ME	MCAL/KG *	0.38	2.13		
CATTLE	NE-M	MCAL/KG *	0.23	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.36		
CATTLE	TDN	% *	10.7	60.3		
SHEEP	TDN	% *	10.5	59.0		
CALCIUM		%	0.07	0.39		1
PHOSPHORUS		%	0.05	0.26		1

ERAGROSTIS SPP, AERIAL PART, FRESH, POST RIPE, (2)

REF NO 2-02-650

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	22.4	89.5		1
ASH		%	2.6	10.5		1
CRUDE FIBER		%	8.8	35.1		1
ETHER EXTRACT		%	0.3	1.3		1
NITROGEN FREE EXTRACT		%	12.4	49.4		1
PROTEIN		%	0.9	3.7		1
CATTLE	DIG PROT	% *	0.3	1.0		
GOATS	DIG PROT	% *				
HORSES	DIG PROT	% *	0.2	0.7		
RABBITS	DIG PROT	% *	0.4	1.5		
SHEEP	DIG PROT	% *	0.1	0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.25		
SHEEP	DE	MCAL/KG *	0.59	2.37		
CATTLE	ME	MCAL/KG *	0.46	1.84		
SHEEP	ME	MCAL/KG *	0.49	1.94		
CATTLE	NE-M	MCAL/KG *	0.27	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.32		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.04		
CATTLE	TDN	% *	12.8	51.0		
SHEEP	TDN	% *	13.4	53.8		
CALCIUM		%	0.09	0.34		1
PHOSPHORUS		%	0.04	0.16		1

ERAGROSTIS SUPERBA, LOVEGRASS, SUPERBA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ENAGROSTIS SUPERBA SUPERBA, AERIAL PART, FRESH, (2)						
REF NO 2-11-669						
DRY MATTER		%	40.0	100.0		2
ORGANIC MATTER		%	34.8	86.9		2
ASH		%	5.2	13.1		2
CRUDE FIBER		%	14.6	36.6		2
ETHER EXTRACT		%	1.2	2.9		2
NITROGEN FREE EXTRACT		%	15.5	38.7		2
PROTEIN		%	3.5	8.8		2
CATTLE	DIG PROT	% *	2.1	5.3		
GOATS	DIG PROT	% *	1.9	4.7		
HORSES	DIG PROT	% *	2.0	5.0		
RABBITS	DIG PROT	% *	2.2	5.4		
SHEEP	DIG PROT	% *	2.1	5.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.84	2.09		
SHEEP	DE	MCAL/KG *	0.98	2.46		
CATTLE	ME	MCAL/KG *	0.68	1.71		
SHEEP	ME	MCAL/KG *	0.81	2.02		
CATTLE	NE-M	MCAL/KG *	0.41	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.16		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	0.91		
CATTLE	TDN	% *	18.9	47.4		
SHEEP	TDN	% *	22.3	55.8		
CALCIUM		%	0.03	0.08		2
IRON		%	0.009	0.023		2
PHOSPHORUS		%	0.08	0.21		2
VITAMIN A EQUIV		IU/G	9.0	22.4		
ERIOCHLOA POLYSTACHYA, CUPGRASS, CARIB						
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, DEHY, (1)						
REF NO 1-10-691						
DRY MATTER		%	90.7	100.0		1
ORGANIC MATTER		%	81.3	89.6		1
ASH		%	9.4	10.4		1
CRUDE FIBER		%	31.8	35.1		1
ETHER EXTRACT		%	4.2	4.6		1
NITROGEN FREE EXTRACT		%	40.9	45.1		1
PROTEIN		%	4.4	4.9		1
CATTLE	DIG PROT	% *	1.0	1.1		
GOATS	DIG PROT	% *	1.0	1.1		
HORSES	DIG PROT	% *	1.5	1.6		
RABBITS	DIG PROT	% *	2.2	2.4		
SHEEP	DIG PROT	% *	0.8	0.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.02	2.23		
HORSES	DE	MCAL/KG *	2.16	2.38		
SHEEP	DE	MCAL/KG *	1.92	2.11		
CATTLE	ME	MCAL/KG *	1.66	1.83		
HORSES	ME	MCAL/KG *	1.77	1.95		
SHEEP	ME	MCAL/KG *	1.57	1.73		
CATTLE	NE-M	MCAL/KG *	0.98	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.30		
CATTLE	NE-LACTATION	MCAL/KG *	0.93	1.02		
CATTLE	TDN	% *	45.8	50.5		
HORSES	TDN	% *	54.8	60.4		
SHEEP	TDN	% *	43.5	47.9		
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, DEHY GRND, (1)						
REF NO 1-10-690						
DRY MATTER		%	89.9	100.0		1
ORGANIC MATTER		%	79.8	88.8		1
ASH		%	10.1	11.2		1
CRUDE FIBER		%	27.6	30.7		1
ETHER EXTRACT		%	4.3	4.8		1
NITROGEN FREE EXTRACT		%	36.5	40.6		1
PROTEIN		%	11.4	12.7		1
CATTLE	DIG PROT	% *	7.1	7.9		
GOATS	DIG PROT	% *	7.5	8.4		
HORSES	DIG PROT	% *	7.5	8.3		
RABBITS	DIG PROT	% *	7.6	8.5		
SHEEP	DIG PROT	% *	7.1	7.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.05	2.28		
HORSES	DE	MCAL/KG *	1.64	1.82		
SHEEP	DE	MCAL/KG *	2.07	2.31		
CATTLE	ME	MCAL/KG *	1.68	1.87		
HORSES	ME	MCAL/KG *	1.34	1.50		
SHEEP	ME	MCAL/KG *	1.70	1.89		
CATTLE	NE-M	MCAL/KG *	0.99	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.31	0.34		
CATTLE	NE-LACTATION	MCAL/KG *	0.95	1.06		
CATTLE	TDN	% *	46.4	51.6		
HORSES	TDN	% *	40.7	45.2		
SHEEP	TDN	% *	47.0	52.3		
CALCIUM		%	0.43	0.48		1
PHOSPHORUS		%	0.24	0.27		1
VITAMIN A EQUIV		IU/G	126.2	140.4		
ERIOCHLOA POLYSTACHYA CARIB, HAY, S-C, (1)						
REF NO 1-11-373						
DRY MATTER		%	83.8	100.0		2
ORGANIC MATTER		%	71.3	85.1		
ASH		%	12.5	14.9		1
CRUDE FIBER		%	27.4	32.7		2
ETHER EXTRACT		%	1.3	1.5		2
NITROGEN FREE EXTRACT		%	35.4	42.2		1
PROTEIN		%	7.3	8.7		2
CATTLE	DIG PROT	% *	3.8	4.5		
GOATS	DIG PROT	% *	4.0	4.7		
HORSES	DIG PROT	% *	4.2	5.0		
RABBITS	DIG PROT	% *	4.5	5.4		
SHEEP	DIG PROT	% *	3.7	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.76	2.10		
HORSES	DE	MCAL/KG *	1.49	1.78		
SHEEP	DE	MCAL/KG *	1.79	2.13		
CATTLE	ME	MCAL/KG *	1.45	1.72		
HORSES	ME	MCAL/KG *	1.22	1.46		
SHEEP	ME	MCAL/KG *	1.47	1.75		
CATTLE	NE-M	MCAL/KG *	0.86	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.18		
CATTLE	NE-LACTATION	MCAL/KG *	0.78	0.93		
CATTLE	TDN	% *	40.0	47.7		
HORSES	TDN	% *	36.8	44.0		
SHEEP	TDN	% *	40.5	48.4		
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, (2)						
REF NO 2-10-430						
DRY MATTER		%	29.0	100.0	31	11
ORGANIC MATTER		%	21.6	74.6	55	1
ASH		%	3.4	11.7	55	9
CRUDE FIBER		%	9.0	31.0	26	10
ETHER EXTRACT		%	0.5	1.6	76	10
NITROGEN FREE EXTRACT		%	13.6	46.9	14	4
PROTEIN		%	2.5	8.6	53	13
CATTLE	DIG PROT	% *	1.6	5.4		
GOATS	DIG PROT	% *	1.4	4.8		
HORSES	DIG PROT	% *	1.4	5.0		
RABBITS	DIG PROT	% *	1.6	5.5		
SHEEP	DIG PROT	% *	1.5	5.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.72	2.48		
SHEEP	DE	MCAL/KG *	0.73	2.51		
CATTLE	ME	MCAL/KG *	0.59	2.04		
SHEEP	ME	MCAL/KG *	0.60	2.06		
CATTLE	NE-M	MCAL/KG *	0.35	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.22		
CATTLE	TDN	% *	16.3	56.3		
SHEEP	TDN	% *	16.5	56.9		
CALCIUM		%	0.13	0.44	83	5
IRON		%	0.002	0.008		1
PHOSPHORUS		%	0.06	0.20	33	5
VITAMIN A EQUIV		IU/G	5.0	17.3		
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-10-685						
DRY MATTER		%	21.5	100.0	20	20
DM IN VITRO (TILLY)	DIG COEF	%	63.	63.		3
ORGANIC MATTER		%	18.3	85.2	15	2
ASH		%	2.5	11.8	15	20
CRUDE FIBER		%	7.0	32.4	9	20
ETHER EXTRACT		%	0.4	1.9	44	20
NITROGEN FREE EXTRACT		%	8.9	41.4	10	20
PROTEIN		%	2.7	12.6	18	20
CATTLE	DIG PROT	% *	1.8	8.6		
GOATS	DIG PROT	% *	1.8	8.3		
HORSES	DIG PROT	% *	1.8	8.2		
RABBITS	DIG PROT	% *	1.8	8.4		
SHEEP	DIG PROT	% *	1.9	8.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.54	2.52		
SHEEP	DE	MCAL/KG *	0.55	2.54		
CATTLE	ME	MCAL/KG *	0.44	2.07		
SHEEP	ME	MCAL/KG *	0.45	2.08		
CATTLE	NE-M	MCAL/KG *	0.26	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.25		
CATTLE	TDN	% *	12.3	57.1		
SHEEP	TDN	% *	12.4	57.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-11-372						
DRY MATTER		%	18.5	100.0	22	16
OM IN VITRO (TILLY)	DIG COEF	%	58.	58.	2	4
ORGANIC MATTER		%	16.2	87.2	17	12
ASH		%	2.3	12.4	17	15
CRUDE FIBER		%	5.6	30.2	12	16
ETHER EXTRACT		%	0.5	2.8	41	16
NITROGEN FREE EXTRACT		%	7.7	41.8	9	15
PROTEIN		%	2.4	12.7	19	16
CATTLE	DIG PROT	% *	1.6	8.7		
GOATS	DIG PROT	% *	1.6	8.4		
HORSES	DIG PROT	% *	1.5	8.3		
RABBITS	DIG PROT	% *	1.6	8.5		
SHEEP	DIG PROT	% *	1.6	8.9		
CELL WALLS (VAN SOEST)		%	11.3	61.1		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.46	2.47		
SHEEP	DE	MCAL/KG *	0.48	2.60		
CATTLE	ME	MCAL/KG *	0.38	2.03		
SHEEP	ME	MCAL/KG *	0.40	2.13		
CATTLE	NE-M	MCAL/KG *	0.22	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.52		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.21		
CATTLE	TDN	% *	10.4	56.1		
SHEEP	TDN	% *	10.9	59.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-11-377						
DRY MATTER		%	19.6	100.0	17	9
ORGANIC MATTER		%	17.6	89.6	12	7
ASH		%	2.2	11.4	12	8
CRUDE FIBER		%	6.5	33.2	11	9
ETHER EXTRACT		%	0.5	2.6	21	9
NITROGEN FREE EXTRACT		%	8.6	43.7	10	8
PROTEIN		%	1.8	9.1	29	9
CATTLE	DIG PROT	% *	1.1	5.6		
GOATS	DIG PROT	% *	1.0	5.0		
HORSES	DIG PROT	% *	1.0	5.2		
RABBITS	DIG PROT	% *	1.1	5.7		
SHEEP	DIG PROT	% *	1.1	5.5		
CELL WALLS (VAN SOEST)		%	11.7	59.7		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.46	2.32		
SHEEP	DE	MCAL/KG *	0.49	2.52		
CATTLE	ME	MCAL/KG *	0.37	1.91		
SHEEP	ME	MCAL/KG *	0.41	2.07		
CATTLE	NE-M	MCAL/KG *	0.22	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.39		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	1.10		
CATTLE	TDN	% *	10.3	52.7		
SHEEP	TDN	% *	11.2	57.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)						
REF NO 2-11-375						
DRY MATTER		%	21.0	100.0		1
ORGANIC MATTER		%	18.9	89.9		1
ASH		%	2.1	10.1		1
CRUDE FIBER		%	3.0	14.5		1
ETHER EXTRACT		%	0.7	3.3		1
NITROGEN FREE EXTRACT		%	14.0	66.5		1
PROTEIN		%	1.2	5.6		1
CATTLE	DIG PROT	% *	0.6	2.7		
GOATS	DIG PROT	% *	0.4	1.8		
HORSES	DIG PROT	% *	0.5	2.3		
RABBITS	DIG PROT	% *	0.6	3.0		
SHEEP	DIG PROT	% *	0.5	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.94	4.47		
SHEEP	DE	MCAL/KG *	0.66	3.15		
CATTLE	ME	MCAL/KG *	0.77	3.67		
SHEEP	ME	MCAL/KG *	0.54	2.58		
CATTLE	NE-M	MCAL/KG *	0.58	2.76		
CATTLE	NE-GAIN	MCAL/KG *	0.35	1.66		
CATTLE	NE-LACTATION	MCAL/KG *	0.58	2.78		
CATTLE	TDN	% *	21.3	101.4		
SHEEP	TDN	% *	15.0	71.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-17-485						
DRY MATTER		%	22.2	100.0		1
ORGANIC MATTER		%	19.7	88.9		
ASH		%	2.5	11.1		1
CRUDE FIBER		%	8.6	38.9		1
ETHER EXTRACT		%	0.3	1.2		1
NITROGEN FREE EXTRACT		%	9.5	42.7		1
PROTEIN		%	1.4	6.1		1
CATTLE	DIG PROT	% *	0.7	3.1		
GOATS	DIG PROT	% *	0.5	2.3		
HORSES	DIG PROT	% *	0.6	2.7		
RABBITS	DIG PROT	% *	0.8	3.4		
SHEEP	DIG PROT	% *	0.6	2.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.52	2.34		
SHEEP	DE	MCAL/KG *	0.52	2.33		
CATTLE	ME	MCAL/KG *	0.43	1.92		
SHEEP	ME	MCAL/KG *	0.42	1.91		
CATTLE	NE-M	MCAL/KG *	0.25	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.41		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.12		
CATTLE	TDN	% *	11.8	53.2		
SHEEP	TDN	% *	11.7	52.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA POLYSTACHYA CARIB, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-490						
DRY MATTER		%	23.0	100.0		3
ORGANIC MATTER		%	20.1	87.3		3
ASH		%	2.9	12.7		3
CRUDE FIBER		%	6.8	29.5		3
ETHER EXTRACT		%	0.3	1.2		3
NITROGEN FREE EXTRACT		%	10.1	43.8		3
PROTEIN		%	3.0	12.9		3
CATTLE	DIG PROT	% *	2.0	8.9		
GOATS	DIG PROT	% *	2.0	8.6		
HORSES	DIG PROT	% *	2.0	8.5		
RABBITS	DIG PROT	% *	2.0	8.6		
SHEEP	DIG PROT	% *	2.1	9.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.61	2.66		
SHEEP	DE	MCAL/KG *	0.58	2.54		
CATTLE	ME	MCAL/KG *	0.50	2.18		
SHEEP	ME	MCAL/KG *	0.48	2.08		
CATTLE	NE-M	MCAL/KG *	0.30	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.36		
CATTLE	TDN	% *	13.9	60.3		
SHEEP	TDN	% *	13.2	57.5		
CALCIUM		%	0.12	0.54		3
PHOSPHORUS		%	0.04	0.19		3

ERIOCHLOA PUNCTATA, CUPGRASS, LOUISIANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA PUNCTATA LOUISIANA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-489						
DRY MATTER		%	26.0	100.0		2
ORGANIC MATTER		%	23.4	90.0		2
ASH		%	2.9	11.1		2
CRUDE FIBER		%	8.8	34.0		2
ETHER EXTRACT		%	0.3	1.0		2
NITROGEN FREE EXTRACT		%	12.1	46.7		2
PROTEIN		%	1.9	7.2		2
CATTLE	DIG PROT	% *	1.0	4.0		
GOATS	DIG PROT	% *	0.9	3.3		
HORSES	DIG PROT	% *	0.9	3.6		
RABBITS	DIG PROT	% *	1.1	4.2		
SHEEP	DIG PROT	% *	1.0	3.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.50		
SHEEP	DE	MCAL/KG *	0.63	2.41		
CATTLE	ME	MCAL/KG *	0.53	2.05		
SHEEP	ME	MCAL/KG *	0.51	1.97		
CATTLE	NE-M	MCAL/KG *	0.31	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.24		
CATTLE	TDN	% *	14.8	56.8		
SHEEP	TDN	% *	14.2	54.6		
CALCIUM		%	0.13	0.51		2
PHOSPHORUS		%	0.06	0.23		2

ERIOCHLOA SPP, CUPGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOCHLOA SPP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-488						
DRY MATTER		%	23.5	100.0		1
ORGANIC MATTER		%	20.2	85.8		1
ASH		%	3.3	14.2		1
CRUDE FIBER		%	7.8	33.3		1
ETHER EXTRACT		%	0.5	2.0		1
NITROGEN FREE EXTRACT		%	8.3	35.5		1
PROTEIN		%	3.5	15.0		1
CATTLE	DIG PROT	% *	2.5	10.6		
GOATS	DIG PROT	% *	2.5	10.6		
HORSES	DIG PROT	% *	2.4	10.3		
RABBITS	DIG PROT	% *	2.4	10.3		
SHEEP	DIG PROT	% *	2.6	11.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.52		
SHEEP	DE	MCAL/KG *	0.59	2.51		
CATTLE	ME	MCAL/KG *	0.49	2.07		
SHEEP	ME	MCAL/KG *	0.48	2.06		
CATTLE	NE-M	MCAL/KG *	0.29	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.25		
CATTLE	TDN	% *	13.4	57.1		
SHEEP	TDN	% *	13.4	56.9		
CALCIUM		%	0.13	0.57		1
PHOSPHORUS		%	0.05	0.22		1

ERIOSEMA CRINITUM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOSEMA CRINITUM CRINITUM, LEAVES, FRESH, MIDBLOOM, (2)						
REF NO 2-17-537						
DRY MATTER		%	51.2	100.0		1
PROTEIN		%	7.5	14.6		1
CATTLE	DIG PROT	% *	5.3	10.3		
GOATS	DIG PROT	% *	5.2	10.2		
HORSES	DIG PROT	% *	5.1	9.9		
RABBITS	DIG PROT	% *	5.1	9.9		
SHEEP	DIG PROT	% *	5.4	10.6		
CALCIUM		%	0.16	0.31		1
MAGNESIUM		%	0.24	0.47		1
MANGANESE		MG/KG	138.8	271.0		1
PHOSPHORUS		%	0.04	0.08		1
POTASSIUM		%	0.52	1.02		1
SODIUM		%	0.03	0.06		1
ZINC		MG/KG	21.0	41.0		1

ERIOSEMA OBOVOTUM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOSEMA OBOVOTUM OBOVOTUM, LEAVES, FRESH, (2)						
REF NO 2-17-539						
DRY MATTER		%	41.9	100.0		1
PROTEIN		%	5.4	12.9		1
CATTLE	DIG PROT	% *	3.7	8.9		
GOATS	DIG PROT	% *	3.6	8.6		
HORSES	DIG PROT	% *	3.6	8.5		
RABBITS	DIG PROT	% *	3.6	8.6		
SHEEP	DIG PROT	% *	3.8	9.0		
CALCIUM		%	0.16	0.37		1
MAGNESIUM		%	0.22	0.52		1
MANGANESE		MG/KG	49.0	117.0		1
PHOSPHORUS		%	0.03	0.07		1
POTASSIUM		%	0.41	0.99		1
SODIUM		%	0.03	0.07		1
ZINC		MG/KG	13.0	31.0		1

ERIOSEMA SIMPLICIFOLIA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERIOSEMA SIMPLICIFOLIA SIMPLICIFOLIA, AERIAL PART, FRESH, (2)						
REF NO 2-17-538						
DRY MATTER		%	39.6	100.0		1
PROTEIN		%	4.7	11.8		1
CATTLE	DIG PROT	% *	3.1	7.9		
GOATS	DIG PROT	% *	3.0	7.6		
HORSES	DIG PROT	% *	3.0	7.5		
RABBITS	DIG PROT	% *	3.1	7.8		
SHEEP	DIG PROT	% *	3.2	8.0		
CALCIUM		%	0.16	0.41		1
MAGNESIUM		%	0.15	0.39		1
MANGANESE		MG/KG	103.4	261.0		1
PHOSPHORUS		%	0.36	0.90		1
POTASSIUM		%	0.45	1.14		1
SODIUM		%	0.04	0.11		1
ZINC		MG/KG	20.2	51.0		1

ERODIUM CICUTARIUM, ALFILERIA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERODIUM CICUTARIUM, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)						
REF NO 1-17-479						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		50.	11	7
PROTEIN		%		15.8	26	7
CATTLE	DIG PROT	% *		10.6		
GOATS	DIG PROT	% *		11.3		
HORSES	DIG PROT	% *		10.9		
RABBITS	DIG PROT	% *		10.9		
SHEEP	DIG PROT	% *		10.7		
PHOSPHORUS		%		0.29		2
ERODIUM CICUTARIUM, AERIAL PART, FRESH, (2)						
REF NO 2-10-693						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		50.	11	7
PROTEIN		%		15.8	26	7
CATTLE	DIG PROT	% *		11.3		
GOATS	DIG PROT	% *		11.3		
HORSES	DIG PROT	% *		10.9		
RABBITS	DIG PROT	% *		10.9		
SHEEP	DIG PROT	% *		11.7		
PHOSPHORUS		%		0.29		2

ERYTHRINA CORALLODENDRUM, CORALBEAN, COMMON

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERYTHRINA CORALLODENDRUM COMMON, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-483						
DRY MATTER		%	16.9	100.0		1
ORGANIC MATTER		%	14.7	87.2		1
ASH		%	2.2	12.8		1
CRUDE FIBER		%	5.6	33.0		1
ETHER EXTRACT		%	0.4	2.2		1
NITROGEN FREE EXTRACT		%	4.6	27.1		1
PROTEIN		%	4.2	24.9		1
CATTLE	DIG PROT	% *	3.2	19.1		
GOATS	DIG PROT	% *	3.3	19.8		
HORSES	DIG PROT	% *	3.2	18.7		
RABBITS	DIG PROT	% *	3.0	17.9		
SHEEP	DIG PROT	% *	3.4	20.2		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.46	2.70		
SHEEP	ME	MCAL/KG *	0.37	2.21		
SHEEP	TDN	% *	10.3	61.2		
CALCIUM		%	0.26	1.53		1
PHOSPHORUS		%	0.07	0.42		1

ERYTHRINA MICROPTERYX, CORALBEAN, MICROPTERYX

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ERYTHRINA MICROPTERYX MICROPTERYX, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-484						
DRY MATTER		%	32.0	100.0		1
ORGANIC MATTER		%	27.7	86.5		1
ASH		%	4.3	13.5		1
CRUDE FIBER		%	9.8	30.5		1
ETHER EXTRACT		%	0.5	1.6		1
NITROGEN FREE EXTRACT		%	7.0	21.8		1
PROTEIN		%	10.4	32.6		1
CATTLE	DIG PROT	% *	8.2	25.6		
GOATS	DIG PROT	% *	8.6	27.0		
HORSES	DIG PROT	% *	8.1	25.2		
RABBITS	DIG PROT	% *	7.6	23.8		
SHEEP	DIG PROT	% *	8.8	27.4		
CALCIUM		%	0.56	1.74		1
PHOSPHORUS		%	0.12	0.38		1

EUCHLAENA MEXICANA, TEOSINTE, MEXICAN

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
EUCHLAENA MEXICANA MEXICAN, AERIAL PART, DEHY, (1)				
REF NO 1-10-689				
DRY MATTER	%	95.9	100.0	1
ORGANIC MATTER	%	83.7	87.3	1
ASH	%	12.2	12.7	1
CRUDE FIBER	%	21.6	22.5	1
ETHER EXTRACT	%	3.1	3.2	1
NITROGEN FREE EXTRACT	%	51.4	53.6	1
PROTEIN	%	7.6	7.9	1
CATTLE DIG PROT	% *	3.6	3.8	
GOATS DIG PROT	% *	3.8	4.0	
HORSES DIG PROT	% *	4.1	4.3	
RABBITS DIG PROT	% *	4.6	4.8	
SHEEP DIG PROT	% *	3.5	3.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.45	2.55	
HORSES DE	MCAL/KG *	1.93	2.01	
SHEEP DE	MCAL/KG *	2.33	2.42	
CATTLE ME	MCAL/KG *	2.01	2.09	
HORSES ME	MCAL/KG *	1.58	1.65	
SHEEP ME	MCAL/KG *	1.91	1.99	
CATTLE NE-M	MCAL/KG *	1.18	1.23	
CATTLE NE-GAIN	MCAL/KG *	0.56	0.58	
CATTLE NE-LACTATION	MCAL/KG *	1.22	1.28	
CATTLE TDN	% *	55.5	57.8	
HORSES TDN	% *	48.4	50.5	
SHEEP TDN	% *	52.7	55.0	
CALCIUM	%	0.64	0.67	1
IRON	%	0.148	0.154	1
PHOSPHORUS	%	0.32	0.33	1
NIACIN	MG/KG	31.5	32.8	1
RIBOFLAVIN	MG/KG	5700.0	5943.7	1
THIAMINE	MG/KG	1000.0	1042.8	1
VITAMIN A EQUIV	IU/G	138.0	143.9	
EUCHLAENA MEXICANA MEXICAN, AERIAL PART, FRESH, (2)				
REF NO 2-10-500				
DRY MATTER	%	26.2	100.0	1
ORGANIC MATTER	%	24.1	92.0	1
ASH	%	2.1	8.0	1
CRUDE FIBER	%	6.0	23.0	1
ETHER EXTRACT	%	0.8	2.9	1
NITROGEN FREE EXTRACT	%	14.8	56.6	1
PROTEIN	%	2.5	9.5	1
CATTLE DIG PROT	% *	1.6	6.0	
GOATS DIG PROT	% *	1.4	5.4	
HORSES DIG PROT	% *	1.5	5.6	
RABBITS DIG PROT	% *	1.6	6.0	
SHEEP DIG PROT	% *	1.5	5.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.87	3.31	
SHEEP DE	MCAL/KG *	0.75	2.88	
CATTLE ME	MCAL/KG *	0.71	2.71	
SHEEP ME	MCAL/KG *	0.62	2.36	
CATTLE NE-M	MCAL/KG *	0.44	1.70	
CATTLE NE-GAIN	MCAL/KG *	0.29	1.11	
CATTLE NE-LACTATION	MCAL/KG *	0.49	1.87	
CATTLE TDN	% *	19.7	75.1	
SHEEP TDN	% *	17.1	65.3	
EUPATORIUM ODORATUM, EUPATORIUM, CHRISTMASBUSH				
EUPATORIUM ODORATUM CHRISTMASBUSH, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-17-491				
DRY MATTER	%	21.1	100.0	1
ORGANIC MATTER	%	19.3	91.3	1
ASH	%	1.8	8.7	1
CRUDE FIBER	%	9.4	44.7	1
ETHER EXTRACT	%	0.3	1.3	1
NITROGEN FREE EXTRACT	%	6.3	30.0	1
PROTEIN	%	3.2	15.3	1
CATTLE DIG PROT	% *	2.3	10.9	
GOATS DIG PROT	% *	2.3	10.8	
HORSES DIG PROT	% *	2.2	10.5	
RABBITS DIG PROT	% *	2.2	10.5	
SHEEP DIG PROT	% *	2.4	11.2	
CALCIUM	%	0.23	1.09	1
PHOSPHORUS	%	0.05	0.23	1
EUPHORBIA LANCIFOLIA, IXBUT				

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
EUPHORBIA LANCIFOLIA, AERIAL PART, DEHY, (1)				
REF NO 1-11-673				
DRY MATTER	%	90.8	100.0	1
ORGANIC MATTER	%	80.4	88.5	1
ASH	%	10.4	11.5	1
CRUDE FIBER	%	16.2	17.8	1
ETHER EXTRACT	%	5.9	6.5	1
NITROGEN FREE EXTRACT	%	46.3	51.0	1
PROTEIN	%	12.0	13.2	1
CATTLE DIG PROT	% *	7.6	8.4	
GOATS DIG PROT	% *	8.1	8.9	
HORSES DIG PROT	% *	7.9	8.8	
RABBITS DIG PROT	% *	8.1	8.9	
SHEEP DIG PROT	% *	7.6	8.4	
ENERGY GE	KCAL/KG			
HORSES DE	MCAL/KG *	1.40	1.55	
SHEEP DE	MCAL/KG *	2.58	2.84	
HORSES ME	MCAL/KG *	1.15	1.27	
SHEEP ME	MCAL/KG *	2.11	2.33	
HORSES TDN	% *	34.2	37.7	
SHEEP TDN	% *	58.5	64.4	
CALCIUM	%	1.57	1.73	1
IRON	%	0.053	0.058	1
PHOSPHORUS	%	0.40	0.44	1
NIACIN	MG/KG	42.8	47.1	1
RIBOFLAVIN	MG/KG	6.6	7.3	1
THIAMINE	MG/KG	0.4	0.4	1
VITAMIN A EQUIV	IU/G	250.9	276.3	
EUPHORBIA POSTRATA				
EUPHORBIA POSTRATA POSTRATA, BROWSE, FRESH, (2)				
REF NO 2-11-666				
DRY MATTER	%	49.8	100.0	1
ORGANIC MATTER	%	43.5	87.4	
ASH	%	6.3	12.7	2
CRUDE FIBER	%	7.9	15.9	2
ETHER EXTRACT	%	3.6	7.2	2
NITROGEN FREE EXTRACT	%	28.5	57.3	2
PROTEIN	%	3.5	7.0	2
CATTLE DIG PROT	% *	1.9	3.8	
GOATS DIG PROT	% *	1.5	3.1	
HORSES DIG PROT	% *	1.7	3.5	
RABBITS DIG PROT	% *	2.0	4.1	
SHEEP DIG PROT	% *	1.8	3.5	
EUTERPE PRECATORIA, EUTERPEPALM, PRECATORIA				
EUTERPE PRECATORIA PRECATORIA, BARK, (1)				
REF NO 1-11-674				
DRY MATTER	%	93.1	100.0	1
ORGANIC MATTER	%	88.8	95.4	
ASH	%	4.3	4.6	1
CRUDE FIBER	%	36.6	39.3	1
ETHER EXTRACT	%	0.3	0.3	1
NITROGEN FREE EXTRACT	%	48.4	52.0	1
PROTEIN	%	3.5	3.8	1
CATTLE DIG PROT	% *	0.2	0.2	
GOATS DIG PROT	% *	0.1	0.1	
HORSES DIG PROT	% *	0.7	0.7	
RABBITS DIG PROT	% *	1.5	1.6	
SHEEP DIG PROT	% *	-0.1	-0.1	
CALCIUM	%	0.70	0.75	1
FAGOPYRUM SAGITTATUM, BUCKWHEAT, COMMON				
FAGOPYRUM SAGITTATUM COMMON, GRAIN, (5)				
REF NO 5-09-265				
DRY MATTER	%	85.9	100.0	1
ORGANIC MATTER	%	84.2	98.0	
ASH	%	1.7	2.0	1
CRUDE FIBER	%	16.5	19.2	1
ETHER EXTRACT	%	0.9	1.1	1
NITROGEN FREE EXTRACT	%	56.5	65.8	1
PROTEIN	%	10.2	11.9	1
CATTLE DIG PROT	% *	6.0	6.9	
GOATS DIG PROT	% *	7.0	8.1	
HORSES DIG PROT	% *	7.0	8.1	
SHEEP DIG PROT	% *	7.0	8.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	2.64	3.08	
SHEEP DE	MCAL/KG *	2.94	3.42	
SWINE DE	KCAL/KG *	2497.	2906.	
CATTLE ME	MCAL/KG *	2.17	2.52	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		ME KCAL/KG *	2.41	2.80		
SWINE		ME KCAL/KG *	2337.	2720.		
CATTLE		NE-M KCAL/KG *	1.32	1.54		
CATTLE		NE-GAIN KCAL/KG *	0.83	0.97		
CATTLE		NE-LACTATION KCAL/KG *	1.45	1.69		
CATTLE		TDN % *	59.9	69.7		
SHEEP		TDN % *	66.6	77.5		
SWINE		TDN % *	56.6	65.9		

FAGOPYRUM SPP. BUCKWHEAT

FAGOPYRUM SPP. GRAIN. (4)

REF NO 4-00-994

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.9	100.0	2	20
ORGANIC MATTER		%	85.8	97.7		
ASH		%	2.0	2.3	10	9
SHEEP	DIG COEF	%	30.	30.		
CRUDE FIBER		%	9.9	11.2	28	12
HORSES	DIG COEF	%	6.	6.		1
SHEEP	DIG COEF	%	45.	45.		1
SWINE	DIG COEF	%	60.	60.		1
ETHER EXTRACT		%	2.3	2.6	17	10
HORSES	DIG COEF	%	50.	50.		1
SHEEP	DIG COEF	%	80.	80.		1
SWINE	DIG COEF	%	24.	24.		1
NITROGEN FREE EXTRACT		%	62.7	71.3	4	8
HORSES	DIG COEF	%	80.	80.		1
SHEEP	DIG COEF	%	73.	73.		1
SWINE	DIG COEF	%	85.	85.		1
PROTEIN		%	11.0	12.5	7	11
HORSES	DIG COEF	%	65.	65.		1
SHEEP	DIG COEF	%	72.	72.		1
SWINE	DIG COEF	%	72.	72.		1
CATTLE	DIG PROT	% *	6.6	7.5		
GOATS	DIG PROT	% *	7.6	8.7		
HORSES	DIG PROT	%	7.1	8.1		
SHEEP	DIG PROT	%	7.9	9.0		
SWINE	DIG PROT	%	7.9	9.0		
ENERGY	GE	KCAL/KG	1801.	2049.		1
CATTLE	DE	MCAL/KG *	2.89	3.29		
SHEEP	DE	MCAL/KG *	2.75	3.13		
SWINE	DE	KCAL/KG *	3014.	3430.		
CATTLE	ME	MCAL/KG *	2.37	2.69		
CHICKENS	NE-M	KCAL/KG	2660.	3027.		3
SHEEP	ME	MCAL/KG *	2.25	2.56		
SWINE	ME	KCAL/KG	2447.	2784.		1
CATTLE	NE-M	MCAL/KG *	1.48	1.68		
CATTLE	NE-GAIN	MCAL/KG *	0.97	1.10		
CATTLE	NE-LACTATION	MCAL/KG *	(1.63)	(1.85)		
CHICKENS	PRODUCTIVE	KCAL/KG	1803.	2052.		2
CATTLE	TDN	% *	65.5	74.5		
HORSES	TDN	%	60.5	68.8		1
SHEEP	TDN	%	62.3	70.9		1
SWINE	TDN	%	(68.4)	(77.8)		2
CALCIUM		%	(0.08)	(0.10)	25	9
CHLORINE		%	(0.04)	(0.05)		1
COBALT		MG/KG	(0.022)	(0.025)		1
COPPER		MG/KG	(9.5)	(10.8)		1
MANGANESE		MG/KG	33.8	38.5		2
PHOSPHORUS		%	(0.32)	(0.37)	12	9
CHICKENS, CHICKS AVAILABLE		%	(0.09)	(0.11)		2
POTASSIUM		%	(0.40)	(0.46)	23	4
SODIUM		%	(0.05)	(0.06)		1
ZINC		MG/KG	(8.8)	(10.1)		2
ZINC		%	(4.0)	(4.5)		1
CHOLINE		MG/KG	(440.)	(501.)		2
NIACIN		MG/KG	(19.2)	(21.9)	5	5
PANTOTHENIC ACID		MG/KG	(12.3)	(14.0)	6	5
RIBOFLAVIN		MG/KG	(5.5)	(6.3)	99	5
THIAMINE		MG/KG	(4.0)	(4.5)		2
ARGININE		%	(1.02)	(1.16)	12	6
CYSTINE		%	(0.20)	(0.23)		2
HISTIDINE		%	(0.26)	(0.30)		4
ISOLEUCINE		%	(0.37)	(0.42)	8	4
LEUCINE		%	(0.56)	(0.64)		3
LYSINE		%	(0.62)	(0.70)	3	6
METHIONINE		%	(0.20)	(0.23)	11	6
PHENYLALANINE		%	(0.44)	(0.50)	1	4
THREONINE		%	(0.45)	(0.52)	6	4
TRYPTOPHAN		%	(0.19)	(0.22)	6	6
VALINE		%	0.54	0.61	3	4

FAGOPYRUM SPP. TRITICUM SPP. BUCKWHEAT-WHEAT

FAGOPYRUM SPP. TRITICUM SPP. GRAIN. 80% BUCKWHEAT W 20% WHEAT. (4)

REF NO 4-11-672

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.3	100.0		1
ORGANIC MATTER		%	87.7	98.2		
ASH		%	1.6	1.8		1
CRUDE FIBER		%	2.9	3.2		1
ETHER EXTRACT		%	0.4	0.5		1
NITROGEN FREE EXTRACT		%	76.2	85.3		1
PROTEIN		%	8.2	9.2		1
CATTLE	DIG PROT	% *	4.0	4.5		
GOATS	DIG PROT	% *	5.1	5.7		
HORSES	DIG PROT	% *	5.1	5.7		
SHEEP	DIG PROT	% *	5.1	5.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.26	3.65		
SHEEP	DE	MCAL/KG *	3.43	3.84		
SWINE	DE	KCAL/KG *	3489.	3907.		
CATTLE	ME	MCAL/KG *	2.67	2.99		
SHEEP	ME	MCAL/KG *	2.81	3.15		
SWINE	ME	KCAL/KG *	3285.	3678.		
CATTLE	NE-M	MCAL/KG *	1.74	1.95		
CATTLE	NE-GAIN	MCAL/KG *	1.16	1.30		
CATTLE	NE-LACTATION	MCAL/KG *	1.91	2.13		
CATTLE	TDN	% *	73.9	82.8		
SHEEP	TDN	% *	77.8	87.2		
SWINE	TDN	% *	79.1	88.6		
PHOSPHORUS		%	0.78	0.87		1

FAGOPYRUM TATARICUM. BUCKWHEAT. TARTARY

FAGOPYRUM TATARICUM TARTARY. GRAIN. (4)

REF NO 4-00-996

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.5	100.0		3
ORGANIC MATTER		%	83.2	95.1		3
ASH		%	4.3	4.9		3
CRUDE FIBER		%	9.3	10.6		3
ETHER EXTRACT		%	2.9	3.3		3
NITROGEN FREE EXTRACT		%	61.9	70.7		3
PROTEIN		%	9.1	10.4		3
CATTLE	DIG PROT	% *	4.9	5.6		
GOATS	DIG PROT	% *	5.9	6.8		
HORSES	DIG PROT	% *	5.9	6.8		
SHEEP	DIG PROT	% *	5.9	6.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.55	2.92		
SHEEP	DE	MCAL/KG *	3.00	3.43		
SWINE	DE	KCAL/KG *	2971.	3394.		
CATTLE	ME	MCAL/KG *	2.09	2.39		
SHEEP	ME	MCAL/KG *	2.46	2.81		
SWINE	ME	KCAL/KG *	2790.	3187.		
CATTLE	NE-M	MCAL/KG *	1.26	1.44		
CATTLE	NE-GAIN	MCAL/KG *	0.75	0.86		
CATTLE	NE-LACTATION	MCAL/KG *	1.37	1.56		
CATTLE	TDN	% *	57.9	66.2		
SHEEP	TDN	% *	68.1	77.8		
SWINE	TDN	% *	67.4	77.0		
CALCIUM		%	0.11	0.12		2
IRON		%	0.054	0.062		2
PHOSPHORUS		%	0.28	0.32		2
NIACIN		MG/KG	35.1	40.1		1

FEATHER MEAL
-SEE POULTRY. FEATHERS. HYDROLYZED DEHY GRND. MN 75% OF PROTEIN DIGESTIBLE. (5)

FEED FLOUR. MX 2.0% FIBER (CFA)
-SEE TRITICUM SPP. FLOUR. COARSE BOLTED. FEED GR MX 2% FIBER. (4)

FEEDING BONE MEAL (CFA)
-SEE ANIMAL. BONES. COOKED DEHY GRND. MN 10% PHOSPHORUS. (6)

FEEDING OAT MEAL (AAFCO)
-SEE AVENA SATIVA. CEREAL BY-PRODUCT. MX 4% FIBER. (4)

FESCUE HAY. TALL
-SEE FESTUCA ELATIOR MEADOW. HAY. S-C. (1)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
FESTUCA ANDINICOLA, FESCUE, ANDINICOLA					
FESTUCA ANDINICOLA ANDINICOLA, AERIAL PART, FRESH, (2)					
REF NO 2-10-920					
DRY MATTER	%	47.3	100.0		2
ORGANIC MATTER	%	43.8	92.7		
ASH	%	3.5	7.3		2
CRUDE FIBER	%	9.7	20.5		2
ETHER EXTRACT	%	1.0	2.1		2
NITROGEN FREE EXTRACT	%	26.1	55.3		2
PROTEIN	%	7.0	14.8		2
CATTLE DIG PROT	% *	4.9	10.4		
GOATS DIG PROT	% *	4.9	10.3		
HORSES DIG PROT	% *	4.8	10.1		
RABBITS DIG PROT	% *	4.8	10.1		
SHEEP DIG PROT	% *	5.1	10.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.52	3.22		
SHEEP DE	MCAL/KG *	1.42	3.01		
CATTLE ME	MCAL/KG *	1.25	2.64		
SHEEP ME	MCAL/KG *	1.17	2.47		
CATTLE NE-M	MCAL/KG *	0.77	1.64		
CATTLE NE-GAIN	MCAL/KG *	0.50	1.06		
CATTLE NE-LACTATION	MCAL/KG *	0.85	1.80		
CATTLE TDN	% *	34.5	73.1		
SHEEP TDN	% *	32.3	68.4		
CALCIUM	%	0.44	0.93		2
MAGNESIUM	%	0.07	0.14		2
PHOSPHORUS	%	0.03	0.05		2
FESTUCA ARUNDINACEA, FESCUE, ALTA					
FESTUCA ARUNDINACEA ALTA, HAY, S-C, 15 TO 28 DAYS' GROWTH, (1)					
REF NO 1-10-694					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.1		
ASH	%		12.9		3
CRUDE FIBER	%		17.9		3
ETHER EXTRACT	%		4.9		3
NITROGEN FREE EXTRACT	%		39.7		3
PROTEIN	%		24.6		3
CATTLE DIG PROT	% *		18.2		
GOATS DIG PROT	% *		19.5		
HORSES DIG PROT	% *		18.4		
RABBITS DIG PROT	% *		17.6		
SHEEP DIG PROT	% *		18.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.99		
HORSES DE	MCAL/KG *		0.84		
SHEEP DE	MCAL/KG *		2.94		
CATTLE ME	MCAL/KG *		2.45		
HORSES ME	MCAL/KG *		0.69		
SHEEP ME	MCAL/KG *		2.61		
CATTLE NE-M	MCAL/KG *		1.49		
CATTLE NE-GAIN	MCAL/KG *		0.91		
CATTLE NE-LACTATION	MCAL/KG *		1.62		
CATTLE TDN	% *		67.9		
HORSES TDN	% *		18.2		
SHEEP TDN	% *		66.6		
FESTUCA ARUNDINACEA ALTA, HAY, S-C, LATE VEGETATIVE, (1)					
REF NO 1-13-647					
DRY MATTER	%	86.9	100.0		1
PROTEIN	%	22.9	26.4		1
CATTLE DIG PROT	% *	17.2	19.8		
GOATS DIG PROT	% *	18.4	21.2		
HORSES DIG PROT	% *	17.3	19.9		
RABBITS DIG PROT	% *	16.6	19.1		
SHEEP DIG PROT	% *	17.6	20.3		
FESTUCA ARUNDINACEA ALTA, HAY, S-C FERTILIZED, 15 TO 28 DAYS' GROWTH, (1)					
REF NO 1-10-612					
DRY MATTER	%		100.0		
CRUDE FIBER	%		27.9		3
PROTEIN	%		16.9		3
CATTLE DIG PROT	% *		11.5		
GOATS DIG PROT	% *		12.3		
HORSES DIG PROT	% *		11.8		
RABBITS DIG PROT	% *		11.7		
SHEEP DIG PROT	% *		11.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
FESTUCA ARUNDINACEA ALTA, HAY, S-C FERTILIZED, 43 TO 56 DAYS' GROWTH, (1)					
REF NO 1-10-696					
DRY MATTER	%		100.0		
CRUDE FIBER	%		27.6		3
PROTEIN	%		15.4		3
CATTLE DIG PROT	% *		10.2		
GOATS DIG PROT	% *		10.9		
HORSES DIG PROT	% *		10.6		
RABBITS DIG PROT	% *		10.5		
SHEEP DIG PROT	% *		10.4		
FESTUCA ARUNDINACEA ALTA, HAY, S-C FERTILIZED, 57 TO 70 DAYS' GROWTH, (1)					
REF NO 1-10-695					
DRY MATTER	%		100.0		
CRUDE FIBER	%		28.0		3
PROTEIN	%		13.3		3
CATTLE DIG PROT	% *		8.4		
GOATS DIG PROT	% *		8.9		
HORSES DIG PROT	% *		8.8		
RABBITS DIG PROT	% *		8.9		
SHEEP DIG PROT	% *		8.5		
FESTUCA ARUNDINACEA ALTA, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)					
REF NO 1-13-591					
DRY MATTER	%	93.7	100.0	3	6
PROTEIN	%	22.3	23.8	9	6
CATTLE DIG PROT	% *	16.4	17.5		
GOATS DIG PROT	% *	17.6	18.7		
HORSES DIG PROT	% *	16.6	17.7		
RABBITS DIG PROT	% *	15.9	17.0		
SHEEP DIG PROT	% *	16.8	17.9		
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, (2)					
REF NO 2-01-889					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.3		
ASH	%		13.7		2
CRUDE FIBER	%		24.4		2
ETHER EXTRACT	%		3.0		2
NITROGEN FREE EXTRACT	%		46.7		2
PROTEIN	%		12.2		2
CATTLE DIG PROT	% *		8.3		
GOATS DIG PROT	% *		8.0		
HORSES DIG PROT	% *		7.9		
RABBITS DIG PROT	% *		8.1		
SHEEP DIG PROT	% *		8.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.72		
SHEEP DE	MCAL/KG *		2.68		
CATTLE ME	MCAL/KG *		2.23		
SHEEP ME	MCAL/KG *		2.20		
CATTLE NE-M	MCAL/KG *		1.32		
CATTLE NE-GAIN	MCAL/KG *		0.71		
CATTLE NE-LACTATION	MCAL/KG *		1.41		
CATTLE TDN	% *		61.6		
SHEEP TDN	% *		60.8		
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)					
REF NO 2-01-882					
DRY MATTER	%	22.6	100.0	21	4
DM IN VITRO (TILLY) DIG COEF	%	73.	73.	7	4
ORGANIC MATTER	%	20.0	88.6		
ASH	%	2.6	11.4	5	4
PROTEIN	%	4.9	21.7	6	4
CATTLE DIG PROT	% *	3.7	16.4		
GOATS DIG PROT	% *	3.8	16.8		
HORSES DIG PROT	% *	3.6	16.0		
RABBITS DIG PROT	% *	3.5	15.4		
SHEEP DIG PROT	% *	3.9	17.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-10-240						
DRY MATTER		%	23.6	100.0	12	5
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.	6	4
ORGANIC MATTER		%	20.8	88.3		
ASH		%	2.8	11.7	16	5
CRUDE FIBER		%	6.4	27.3		1
ETHER EXTRACT		%	0.4	1.9		1
NITROGEN FREE EXTRACT		%	10.4	44.0		1
PROTEIN		%	3.6	15.2	24	5
CATTLE	DIG PROT	% *	2.5	10.8		
GOATS	DIG PROT	% *	2.5	10.7		
HORSES	DIG PROT	% *	2.5	10.4		
RABBITS	DIG PROT	% *	2.5	10.4		
SHEEP	DIG PROT	% *	2.6	11.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.66		
SHEEP	DE	MCAL/KG *	0.63	2.66		
CATTLE	ME	MCAL/KG *	0.52	2.18		
SHEEP	ME	MCAL/KG *	0.51	2.18		
CATTLE	NE-M	MCAL/KG *	0.31	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.37		
CATTLE	TDN	% *	14.3	60.4		
SHEEP	TDN	% *	14.2	60.4		
CALCIUM		%	0.07	0.28		1
PHOSPHORUS		%	0.06	0.25		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-01-884						
DRY MATTER		%	32.7	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	63.	63.		2
ORGANIC MATTER		%	29.9	91.3		
ASH		%	2.8	8.7		2
PROTEIN		%	3.8	11.5		2
CATTLE	DIG PROT	% *	2.5	7.7		
GOATS	DIG PROT	% *	2.4	7.3		
HORSES	DIG PROT	% *	2.4	7.3		
RABBITS	DIG PROT	% *	2.5	7.5		
SHEEP	DIG PROT	% *	2.5	7.7		
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)						
REF NO 2-13-648						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.4		
ASH		%		6.6		1
CRUDE FIBER		%		14.2		1
ETHER EXTRACT		%		2.1		1
NITROGEN FREE EXTRACT		%		68.7		1
PROTEIN		%		8.4		1
CATTLE	DIG PROT	% *		5.0		
GOATS	DIG PROT	% *		4.4		
HORSES	DIG PROT	% *		4.7		
RABBITS	DIG PROT	% *		5.2		
SHEEP	DIG PROT	% *		4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.04		
SHEEP	DE	MCAL/KG *		3.37		
CATTLE	ME	MCAL/KG *		3.31		
SHEEP	ME	MCAL/KG *		2.76		
CATTLE	NE-M	MCAL/KG *		2.30		
CATTLE	NE-GAIN	MCAL/KG *		1.49		
CATTLE	NE-LACTATION	MCAL/KG *		2.64		
CATTLE	TDN	% *		91.6		
SHEEP	TDN	% *		76.4		
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-01-885						
DRY MATTER		%	21.6	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.		2
ORGANIC MATTER		%	18.9	87.7		
ASH		%	2.7	12.4		2
PROTEIN		%	3.4	15.6		2
CATTLE	DIG PROT	% *	2.4	11.2		
GOATS	DIG PROT	% *	2.4	11.1		
HORSES	DIG PROT	% *	2.3	10.8		
RABBITS	DIG PROT	% *	2.3	10.7		
SHEEP	DIG PROT	% *	2.5	11.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-01-887						
DRY MATTER		%	41.0	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	56.	56.		3
ORGANIC MATTER		%	37.9	92.4		
ASH		%	3.1	7.7		2
PROTEIN		%	3.2	7.9		2
CATTLE	DIG PROT	% *	1.9	4.6		
GOATS	DIG PROT	% *	1.6	3.9		
HORSES	DIG PROT	% *	1.7	4.2		
RABBITS	DIG PROT	% *	2.0	4.8		
SHEEP	DIG PROT	% *	1.8	4.4		
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-01-888						
DRY MATTER		%	31.2	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	52.	52.		1
PROTEIN		%	4.0	12.9		1
CATTLE	DIG PROT	% *	2.8	8.9		
GOATS	DIG PROT	% *	2.7	8.6		
HORSES	DIG PROT	% *	2.6	8.5		
RABBITS	DIG PROT	% *	2.7	8.6		
SHEEP	DIG PROT	% *	2.8	9.0		
CALCIUM		%	0.09	0.30		1
COPPER		MG/KG	3.7	12.0		1
MAGNESIUM		%	0.09	0.28		1
MANGANESE		MG/KG	19.7	63.0		1
PHOSPHORUS		%	0.12	0.38		1
POTASSIUM		%	0.56	1.81		1
SODIUM		%	0.04	0.14		1
ZINC		MG/KG	5.6	18.0		1
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-10-559						
DRY MATTER		%	31.3	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.		1
PROTEIN		%	3.2	10.3		1
CATTLE	DIG PROT	% *	2.1	6.6		
GOATS	DIG PROT	% *	1.9	6.2		
HORSES	DIG PROT	% *	2.0	6.3		
RABBITS	DIG PROT	% *	2.1	6.6		
SHEEP	DIG PROT	% *	2.1	6.6		
CALCIUM		%	0.10	0.33		1
COPPER		MG/KG	4.1	13.0		1
MAGNESIUM		%	0.14	0.44		1
MANGANESE		MG/KG	24.1	77.0		1
PHOSPHORUS		%	0.16	0.52		1
POTASSIUM		%	0.74	2.37		1
SODIUM		%	0.05	0.15		1
ZINC		MG/KG	6.3	20.0		1
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH FERTILIZED, CUT 1, (2)						
REF NO 2-10-558						
DRY MATTER		%	27.1	100.0	7	14
DM IN VITRO (TILLY)	DIG COEF	%	53.	53.	5	14
PROTEIN		%	4.3	15.9	12	14
CATTLE	DIG PROT	% *	3.1	11.4		
GOATS	DIG PROT	% *	3.1	11.4		
HORSES	DIG PROT	% *	3.0	11.0		
RABBITS	DIG PROT	% *	3.0	10.9		
SHEEP	DIG PROT	% *	3.2	11.8		
CALCIUM		%	0.09	0.32	20	7
COPPER		MG/KG	3.3	12.1	14	7
MAGNESIUM		%	0.09	0.31	26	7
MANGANESE		MG/KG	17.8	65.6	21	7
PHOSPHORUS		%	0.11	0.40	18	7
POTASSIUM		%	0.62	2.28	10	7
SODIUM		%	0.04	0.15	26	7
ZINC		MG/KG	5.4	20.0	22	7
FESTUCA ARUNDINACEA ALTA, AERIAL PART, FRESH FERTILIZED, CUT 2, (2)						
REF NO 2-10-560						
DRY MATTER		%	32.6	100.0	3	15
DM IN VITRO (TILLY)	DIG COEF	%	54.	54.	3	15
PROTEIN		%	3.7	11.5	6	15
CATTLE	DIG PROT	% *	2.5	7.6		
GOATS	DIG PROT	% *	2.4	7.3		
HORSES	DIG PROT	% *	2.4	7.3		
RABBITS	DIG PROT	% *	2.5	7.5		
SHEEP	DIG PROT	% *	2.5	7.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALCIUM	%	0.09	0.29	13	8
COPPER	MG/KG	3.5	10.6	28	8
MAGNESIUM	%	0.11	0.34	15	8
MANGANESE	MG/KG	19.4	59.6	13	8
PHOSPHORUS	%	0.13	0.40	20	8
POTASSIUM	%	0.95	2.90	15	8
SODIUM	%	0.06	0.17	32	8
ZINC	MG/KG	5.6	17.1	12	8

FESTUCA ARUNDINACEA ALTA, AERIAL PART, ENSILED, (3)

REF NO 3-17-535

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.2	100.0		1
ORGANIC MATTER	%	30.0	85.2		
ASH	%	5.2	14.8		1
CRUDE FIBER	%	10.8	30.7		1
ETHER EXTRACT	%	1.2	3.3		1
NITROGEN FREE EXTRACT	%	14.6	41.3		1
PROTEIN	%	3.5	9.9		1
CATTLE DIG PROT	% *	1.8	5.2		
GOATS DIG PROT	% *	1.8	5.2		
HORSES DIG PROT	% *	1.8	5.2		
SHEEP DIG PROT	% *	1.8	5.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.83	2.37		
SHEEP DE	MCAL/KG *	0.85	2.40		
CATTLE ME	MCAL/KG *	0.68	1.94		
SHEEP ME	MCAL/KG *	0.69	1.97		
CATTLE NE-M	MCAL/KG *	0.40	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.43		
CATTLE NE-LACTATION	MCAL/KG *	0.40	1.13		
CATTLE TDN	% *	18.9	53.7		
SHEEP TDN	% *	19.2	54.5		

FESTUCA ARUNDINACEA, TRIFOLIUM REPENS, FESCUE, ALTA-CLOVER, WHITE

FESTUCA ARUNDINACEA, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, 60% FESCUE 40% CLOVER, (2)

REF NO 2-13-383

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.2	100.0	20	98
DM IN VITRO (TILLY) DIG COEF	%	53.	53.	20	98
ORGANIC MATTER	%	28.2	85.1		98
DM (TILLY) IN VITRO DIG COEF	%	17.	52.	14	52
ASH	%	4.9	14.9		

FESTUCA DOLICHOPHYLLA, FESCUE, DOLICHOPHYLLA

FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, STRAW, (1)

REF NO 1-11-866

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.6		
ASH	%		3.4	8	4
PROTEIN	%		4.0	11	4
CATTLE DIG PROT	% *		0.4		
GOATS DIG PROT	% *		0.3		
HORSES DIG PROT	% *		0.9		
RABBITS DIG PROT	% *		1.8		
SHEEP DIG PROT	% *		0.2		
CALCIUM	%		0.21	16	4
COBALT	MG/KG		0.044		2
COPPER	MG/KG		4.8		3
MANGANESE	MG/KG		87.1	37	4
MOLYBDENUM	MG/KG		0.35	41	4
PHOSPHORUS	%		0.10	38	4
ZINC	MG/KG		9.8		3

FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH, (2)

REF NO 2-10-919

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.7		
ASH	%		4.3	36	98
CRUDE FIBER	%		35.9	12	32
ETHER EXTRACT	%		2.1	33	29
NITROGEN FREE EXTRACT	%		52.1	22	22
PROTEIN	%		5.6	45	98
CATTLE DIG PROT	% *		2.7		
GOATS DIG PROT	% *		1.8		
HORSES DIG PROT	% *		2.3		
RABBITS DIG PROT	% *		3.0		
SHEEP DIG PROT	% *		2.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.22		
SHEEP DE	MCAL/KG *		2.55		
CATTLE ME	MCAL/KG *		1.82		
SHEEP ME	MCAL/KG *		2.09		
CATTLE NE-M	MCAL/KG *		1.07		
CATTLE NE-GAIN	MCAL/KG *		0.29		
CATTLE NE-LACTATION	MCAL/KG *		1.02		
CATTLE TDN	% *		50.3		
SHEEP TDN	% *		57.9		
CALCIUM	%		0.25	42	98
COBALT	MG/KG		0.090	80	98
COPPER	MG/KG		4.3	98	98
MANGANESE	MG/KG		103.5	78	98
MOLYBDENUM	MG/KG		0.22	99	98
PHOSPHORUS	%		0.09	56	98
SELENIUM	MG/KG		28.217		1
ZINC	MG/KG		31.7	67	78

FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-917

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
DM IN VITRO (TILLY) DIG COEF	%		70.		1
ORGANIC MATTER	%		96.5		
ASH	%		3.5	26	4
CRUDE FIBER	%		41.3		3
ETHER EXTRACT	%		1.7		3
NITROGEN FREE EXTRACT	%		45.3		3
PROTEIN	%		8.3	18	5
CATTLE DIG PROT	% *		4.9		
GOATS DIG PROT	% *		4.3		
HORSES DIG PROT	% *		4.6		
RABBITS DIG PROT	% *		5.1		
SHEEP DIG PROT	% *		4.7		
CELL WALLS (VAN SOEST)	%		68.2		1
CELL WALLS IN VITRO DIG COEF	%		55.		1
CELLULOSE (VAN SOEST)	%		32.1		1
FIBER, ACID DETERGENT (VS)	%		39.4		1
HEMICELLULOSE	%		28.8		1
LIGNIN KMNO4 (VS)	%		6.4		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.12		
SHEEP DE	MCAL/KG *		2.50		
CATTLE ME	MCAL/KG *		1.74		
SHEEP ME	MCAL/KG *		2.05		
CATTLE NE-M	MCAL/KG *		1.03		
CATTLE NE-GAIN	MCAL/KG *		0.19		
CATTLE NE-LACTATION	MCAL/KG *		0.94		
CATTLE TDN	% *		48.0		
SHEEP TDN	% *		56.8		
CALCIUM	%		0.09		3

FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-10-916

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
DM IN VITRO (TILLY) DIG COEF	%		64.		1
ORGANIC MATTER	%		96.3		
ASH	%		3.7		1
CRUDE FIBER	%		39.5		1
ETHER EXTRACT	%		1.7		1
NITROGEN FREE EXTRACT	%		48.5		1
PROTEIN	%		6.6		2
CATTLE DIG PROT	% *		3.5		
GOATS DIG PROT	% *		2.7		
HORSES DIG PROT	% *		3.1		
RABBITS DIG PROT	% *		3.8		
SHEEP DIG PROT	% *		3.1		
CELL WALLS (VAN SOEST)	%		75.9		1
CELL WALLS IN VITRO DIG COEF	%		53.		1
CELLULOSE (VAN SOEST)	%		35.6		1
FIBER, ACID DETERGENT (VS)	%		44.4		1
HEMICELLULOSE	%		31.5		1
LIGNIN KMNO4 (VS)	%		7.1		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.08		
SHEEP DE	MCAL/KG *		2.49		
CATTLE ME	MCAL/KG *		1.71		
SHEEP ME	MCAL/KG *		2.04		
CATTLE NE-M	MCAL/KG *		1.01		
CATTLE NE-GAIN	MCAL/KG *		0.16		
CATTLE NE-LACTATION	MCAL/KG *		0.91		
CATTLE TDN	% *		47.2		
SHEEP TDN	% *		56.5		
CALCIUM	%		0.07		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-918						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.9		
ASH		%		4.1	30	33
CRUDE FIBER		%		44.3	10	22
ETHER EXTRACT		%		1.0	27	22
NITROGEN FREE EXTRACT		%		48.1	9	22
PROTEIN		%		2.5	39	33
CATTLE	DIG PROT	% *		0.1		
GOATS	DIG PROT	% *		-1.1		
HORSES	DIG PROT	% *		-0.3		
RABBITS	DIG PROT	% *		0.6		
SHEEP	DIG PROT	% *		-0.6		
CALCIUM		%		0.20	59	33
COBALT		MG/KG		0.153	91	22
COPPER		MG/KG		2.4	60	33
MANGANESE		MG/KG		58.7	65	33
MOLYBDENUM		MG/KG		0.42	85	31
PHOSPHORUS		%		0.04	48	33
ZINC		MG/KG		6.0	15	11

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH, POST HIPE, (2)						
REF NO 2-11-870						
DRY MATTER		%	54.3	100.0		1
ORGANIC MATTER		%	49.7	91.5		
ASH		%	4.6	8.5		1
CRUDE FIBER		%	19.2	35.4		1
ETHER EXTRACT		%	0.8	1.5		1
NITROGEN FREE EXTRACT		%	27.1	49.9		1
PROTEIN		%	2.6	4.8		1
CATTLE	DIG PROT	% *	1.1	2.0		
GOATS	DIG PROT	% *	0.6	1.0		
HORSES	DIG PROT	% *	0.9	1.6		
RABBITS	DIG PROT	% *	1.3	2.4		
SHEEP	DIG PROT	% *	0.8	1.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.21	2.23		
SHEEP	DE	MCAL/KG *	1.32	2.44		
CATTLE	ME	MCAL/KG *	0.99	1.83		
SHEEP	ME	MCAL/KG *	1.08	2.00		
CATTLE	NE-M	MCAL/KG *	0.59	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.30		
CATTLE	NE-LACTATION	MCAL/KG *	0.56	1.03		
CATTLE	TDN	% *	27.5	50.6		
SHEEP	TDN	% *	30.0	55.2		
CALCIUM		%	0.27	0.50		1
MAGNESIUM		%	0.03	0.06		1
PHOSPHORUS		%	0.03	0.06		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)						
REF NO 2-13-381						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.8		
ASH		%		5.2		2
CRUDE FIBER		%		30.6		2
ETHER EXTRACT		%		2.6		2
NITROGEN FREE EXTRACT		%		50.4		2
PROTEIN		%		11.3		2
CATTLE	DIG PROT	% *		7.5		
GOATS	DIG PROT	% *		7.1		
HORSES	DIG PROT	% *		7.1		
RABBITS	DIG PROT	% *		7.4		
SHEEP	DIG PROT	% *		7.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.76		
SHEEP	DE	MCAL/KG *		2.75		
CATTLE	ME	MCAL/KG *		2.27		
SHEEP	ME	MCAL/KG *		2.25		
CATTLE	NE-M	MCAL/KG *		1.35		
CATTLE	NE-GAIN	MCAL/KG *		0.75		
CATTLE	NE-LACTATION	MCAL/KG *		1.44		
CATTLE	TDN	% *		62.7		
SHEEP	TDN	% *		62.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)						
REF NO 2-11-823						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		72.		1
PROTEIN		%		12.8		1
CATTLE	DIG PROT	% *		8.8		
GOATS	DIG PROT	% *		8.5		
HORSES	DIG PROT	% *		8.4		
RABBITS	DIG PROT	% *		8.6		
SHEEP	DIG PROT	% *		8.9		
CELL WALLS (VAN SOEST)		%		62.0		1
CELL WALLS IN VITRO	DIG COEF	%		55.		1
CELLULOSE (VAN SOEST)		%		28.6		1
FIBER, ACID DETERGENT (VS)		%		35.1		1
HEMICELLULOSE		%		26.9		1
LIGNIN KMNO4 (VS)		%		5.8		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA DOLICHOPHYLLA DOLICHOPHYLLA, AERIAL PART, FRESH FERTILIZED, FULL BLOOM, (2)						
REF NO 2-11-822						
DRY MATTER		%		100.0		
PROTEIN		%		7.4		1
CATTLE	DIG PROT	% *		4.2		
GOATS	DIG PROT	% *		3.5		
HORSES	DIG PROT	% *		3.8		
RABBITS	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		3.9		
CELL WALLS (VAN SOEST)		%		70.9		1
CELLULOSE (VAN SOEST)		%		33.3		1
FIBER, ACID DETERGENT (VS)		%		42.0		1
HEMICELLULOSE		%		28.9		1
LIGNIN KMNO4 (VS)		%		6.2		1

FESTUCA ELATIOR, FESCUE, MEADOW

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ELATIOR MEADOW, HAY, S-C, (1) FESCUE HAY, TALL						
REF NO 1-01-912						
DRY MATTER		%	92.2	100.0		1
ORGANIC MATTER		%	80.8	87.6		1
ASH		%	11.4	12.4		1
CRUDE FIBER		%	27.5	29.8		1
ETHER EXTRACT		%	1.1	1.2		1
NITROGEN FREE EXTRACT		%	43.7	47.4		1
PROTEIN		%	8.5	9.2		1
CATTLE	DIG PROT	% *	4.5	4.9		
GOATS	DIG PROT	% *	4.7	5.1		
HORSES	DIG PROT	% *	4.9	5.3		
RABBITS	DIG PROT	% *	5.3	5.8		
SHEEP	DIG PROT	% *	4.4	4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.04	2.22		
HORSES	DE	MCAL/KG *	1.58	1.71		
SHEEP	DE	MCAL/KG *	2.07	2.24		
CATTLE	ME	MCAL/KG *	1.68	1.82		
HORSES	ME	MCAL/KG *	1.29	1.40		
SHEEP	ME	MCAL/KG *	1.70	1.84		
CATTLE	NE-M	MCAL/KG *	0.99	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.94	1.02		
CATTLE	TDN	% *	46.4	50.3		
HORSES	TDN	% *	38.8	42.1		
SHEEP	TDN	% *	46.9	50.9		
CALCIUM		%	0.65	0.71		1
COBALT		MG/KG	0.194	0.210		1
COPPER		MG/KG	17.2	18.7		1
IRON		%	0.028	0.030		1
MAGNESIUM		%	0.23	0.25		1
MANGANESE		MG/KG	58.8	63.8		1
MOLYBDENUM		MG/KG	3.20	3.47		1
PHOSPHORUS		%	0.18	0.19		1
POTASSIUM		%	2.14	2.32		1
SODIUM		%	0.26	0.28		1
ZINC		MG/KG	15.4	16.7		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ELATIOR MEADOW, HAY, S-C, MATURE, (1)						
REF NO 1-01-908						
DRY MATTER		%	92.2	100.0		1
ORGANIC MATTER		%	80.8	87.6		1
ASH		%	11.4	12.4		1
CRUDE FIBER		%	27.5	29.8		1
ETHER EXTRACT		%	1.1	1.2		1
NITROGEN FREE EXTRACT		%	43.7	47.4		1
PROTEIN		%	8.5	9.2		1
CATTLE	DIG PROT	% *	4.5	4.9		
GOATS	DIG PROT	% *	4.7	5.1		
HORSES	DIG PROT	% *	4.9	5.3		
RABBITS	DIG PROT	% *	5.2	5.8		
SHEEP	DIG PROT	% *	4.4	4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.04	2.22		
HORSES	DE	MCAL/KG *	1.58	1.71		
SHEEP	DE	MCAL/KG *	2.07	2.24		
CATTLE	ME	MCAL/KG *	1.68	1.82		
HORSES	ME	MCAL/KG *	1.29	1.40		
SHEEP	ME	MCAL/KG *	1.70	1.84		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-M	MCAL/KG *	0.99	1.07		
CATTLE NE-GAIN	MCAL/KG *	0.27	0.29		
CATTLE NE-LACTATION	MCAL/KG *	0.94	1.02		
CATTLE	TON % *	46.4	50.3		
HORSES	TON % *	38.8	42.1		
SHEEP	TON % *	46.9	50.9		
CALCIUM	%	0.36	0.39		1
COBALT	MG/KG	0.148	0.160		1
COPPER	MG/KG	12.4	13.5		1
IRON	%	0.028	0.030		1
MAGNESIUM	%	0.14	0.15		1
MANGANESE	MG/KG	38.4	41.7		1
MOLYBDENUM	MG/KG	5.73	6.22		1
PHOSPHORUS	%	0.31	0.34		1
POTASSIUM	%	2.41	2.61		1
SODIUM	%	0.20	0.22		1
ZINC	MG/KG	27.9	30.3		1

FESTUCA ELATIOR MEADOW, HAY, S-C, POST RIPE, (1)

REF NO 1-01-909

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.6	100.0		1
ORGANIC MATTER	%	86.5	91.4		1
ASH	%	8.1	8.6		1
CRUDE FIBER	%	31.7	33.5		1
ETHER EXTRACT	%	1.0	1.1		1
NITROGEN FREE EXTRACT	%	50.2	53.1		1
PROTEIN	%	3.5	3.7		1
CATTLE DIG PROT	% *	0.1	0.1		
GOATS DIG PROT	% *				
HORSES DIG PROT	% *	0.6	0.7		
RABBITS DIG PROT	% *	1.4	1.5		
SHEEP DIG PROT	% *	-0.1	-0.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	2.03	2.14		
HORSES DE	MCAL/KG *	1.27	1.34		
SHEEP DE	MCAL/KG *	2.05	2.17		
CATTLE ME	MCAL/KG *	1.66	1.76		
HORSES ME	MCAL/KG *	1.04	1.10		
SHEEP ME	MCAL/KG *	1.68	1.78		
CATTLE NE-M	MCAL/KG *	0.99	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.21	0.22		
CATTLE NE-LACTATION	MCAL/KG *	0.91	0.96		
CATTLE	TON % *	46.0	48.6		
HORSES	TON % *	30.3	32.0		
SHEEP	TON % *	46.5	49.1		
CALCIUM	%	0.21	0.22		1
COBALT	MG/KG	0.047	0.050		1
COPPER	MG/KG	2.1	2.2		1
IRON	%	0.019	0.020		1
MAGNESIUM	%	0.17	0.18		1
MANGANESE	MG/KG	28.4	30.0		1
MOLYBDENUM	MG/KG	2.72	2.88		1
PHOSPHORUS	%	0.30	0.32		1
POTASSIUM	%	0.97	1.03		1
SODIUM	%	0.03	0.03		1
ZINC	MG/KG	13.1	13.9		1

FESTUCA ELATIOR MEADOW, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)

REF NO 1-13-590

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.7	100.0		2
PROTEIN	%	21.5	23.0		2
CATTLE DIG PROT	% *	15.8	16.9		
GOATS DIG PROT	% *	16.9	18.0		
HORSES DIG PROT	% *	16.0	17.1		
RABBITS DIG PROT	% *	15.4	16.4		
SHEEP DIG PROT	% *	16.1	17.2		

FESTUCA ELATIOR MEADOW, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-134

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	37.3	100.0	25	9
PROTEIN	%	5.1	13.7	46	9
CATTLE DIG PROT	% *	3.5	9.5		
GOATS DIG PROT	% *	3.5	9.3		
HORSES DIG PROT	% *	3.4	9.1		
RABBITS DIG PROT	% *	3.4	9.2		
SHEEP DIG PROT	% *	3.6	9.7		

FESTUCA ELATIOR MEADOW, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-506

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.9	100.0		1
ORGANIC MATTER	%	15.9	89.1		
ASH	%	2.0	10.9		1
CRUDE FIBER	%	4.8	26.8		1
ETHER EXTRACT	%	0.6	3.2		1
NITROGEN FREE EXTRACT	%	7.1	39.8		1
PROTEIN	%	3.5	19.3		1
CATTLE DIG PROT	% *	2.6	14.3		
GOATS DIG PROT	% *	2.6	14.6		
HORSES DIG PROT	% *	2.5	13.9		
RABBITS DIG PROT	% *	2.4	13.6		
SHEEP DIG PROT	% *	2.7	15.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.49	2.73		
SHEEP DE	MCAL/KG *	0.50	2.80		
CATTLE ME	MCAL/KG *	0.40	2.24		
SHEEP ME	MCAL/KG *	0.41	2.29		
CATTLE NE-M	MCAL/KG *	0.24	1.33		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.72		
CATTLE NE-LACTATION	MCAL/KG *	0.25	1.41		
CATTLE	TON % *	11.1	61.9		
SHEEP	TON % *	11.4	63.4		
CALCIUM	%	0.09	0.52		1
COPPER	MG/KG	1.9	10.6		1
IRON	%	0.005	0.027		1
MAGNESIUM	%	0.03	0.14		1
MANGANESE	MG/KG	14.9	83.1		1
PHOSPHORUS	%	0.07	0.41		1
POTASSIUM	%	0.50	2.77		1
SODIUM	%	0.01	0.08		1

FESTUCA ELATIOR MEADOW, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)

REF NO 2-10-442

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.1	100.0		3
ORGANIC MATTER	%	22.5	89.7		
ASH	%	2.6	10.3		3
CRUDE FIBER	%	8.2	32.9		3
ETHER EXTRACT	%	0.7	2.7		3
NITROGEN FREE EXTRACT	%	11.4	45.4		3
PROTEIN	%	2.2	8.7		3
CATTLE DIG PROT	% *	1.3	5.3		
GOATS DIG PROT	% *	1.2	4.7		
HORSES DIG PROT	% *	1.2	4.9		
RABBITS DIG PROT	% *	1.4	5.4		
SHEEP DIG PROT	% *	1.3	5.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.60	2.38		
SHEEP DE	MCAL/KG *	0.64	2.55		
CATTLE ME	MCAL/KG *	0.49	1.95		
SHEEP ME	MCAL/KG *	0.52	2.09		
CATTLE NE-M	MCAL/KG *	0.29	1.15		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.43		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.14		
CATTLE	TON % *	13.5	53.9		
SHEEP	TON % *	14.5	57.8		

FESTUCA ELATIOR MEADOW, AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)

REF NO 2-10-505

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.0	100.0		2
ORGANIC MATTER	%	23.1	88.9		
ASH	%	2.9	11.2		2
CRUDE FIBER	%	8.8	34.0		2
ETHER EXTRACT	%	0.8	3.3		2
NITROGEN FREE EXTRACT	%	11.2	43.1		2
PROTEIN	%	2.2	8.6		2
CATTLE DIG PROT	% *	1.4	5.2		
GOATS DIG PROT	% *	1.2	4.6		
HORSES DIG PROT	% *	1.3	4.8		
RABBITS DIG PROT	% *	1.4	5.3		
SHEEP DIG PROT	% *	1.3	5.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.29		
SHEEP DE	MCAL/KG *	0.66	2.52		
CATTLE ME	MCAL/KG *	0.49	1.88		
SHEEP ME	MCAL/KG *	0.54	2.07		
CATTLE NE-M	MCAL/KG *	0.29	1.11		
CATTLE NE-GAIN	MCAL/KG *	0.09	0.35		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.07		
CATTLE	TON % *	13.5	51.9		
SHEEP	TON % *	14.9	57.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ELATIUR MEADOW, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-10-504						
DRY MATTER		%	18.2	100.0		2
ORGANIC MATTER		%	16.3	89.8		
ASH		%	1.9	10.2		2
CRUDE FIBER		%	5.2	28.6		2
ETHER EXTRACT		%	0.7	3.9		2
NITROGEN FREE EXTRACT		%	8.0	43.9		2
PROTEIN		%	2.4	13.4		2
CATTLE	DIG PROT	% *	1.7	9.3		
GOATS	DIG PROT	% *	1.6	9.1		
HORSES	DIG PROT	% *	1.6	8.9		
RABBITS	DIG PROT	% *	1.6	9.0		
SHEEP	DIG PROT	% *	1.7	9.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.51	2.82		
SHEEP	DE	MCAL/KG *	0.49	2.72		
CATTLE	ME	MCAL/KG *	0.42	2.32		
SHEEP	ME	MCAL/KG *	0.41	2.23		
CATTLE	NE-M	MCAL/KG *	0.25	1.38		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.79		
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.49		
CATTLE	TDN	% *	11.6	64.0		
SHEEP	TDN	% *	11.2	61.8		
CALCIUM		%	0.10	0.53		2
COPPER		MG/KG	1.8	10.0		2
IRON		%	0.011	0.060		2
MAGNESIUM		%	0.03	0.19		2
MANGANESE		MG/KG	12.2	67.1		2
PHOSPHORUS		%	0.05	0.28		2
POTASSIUM		%	0.45	2.50		2
SODIUM		%	0.02	0.10		2
FESTUCA ELATIUR MEADOW, AERIAL PART W MOLASSES ADDED, ENSILED, (3)						
REF NO 3-01-926						
DRY MATTER		%	92.0	100.0		1
PROTEIN		%	45.9	49.9		1
CATTLE	DIG PROT	% *	38.2	41.5		
GOATS	DIG PROT	% *	38.2	41.5		
HORSES	DIG PROT	% *	38.2	41.5		
SHEEP	DIG PROT	% *	38.2	41.5		
LYSINE		%	3.15	3.42		1
METHIONINE		%	1.35	1.47		1

FESTUCA ELATIOR, ARUNDINACEA, FESCUE, REED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ELATIUR, ARUNDINACEA REED, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)						
REF NO 2-09-928						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.9		
ASH		%		10.1		1
CRUDE FIBER		%		30.1		1
ETHER EXTRACT		%		2.3		1
NITROGEN FREE EXTRACT		%		48.5		1
PROTEIN		%		8.9		1
CATTLE	DIG PROT	% *		5.5		
GOATS	DIG PROT	% *		4.9		
HORSES	DIG PROT	% *		5.1		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		5.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.52		
SHEEP	DE	MCAL/KG *		2.60		
CATTLE	ME	MCAL/KG *		2.07		
SHEEP	ME	MCAL/KG *		2.13		
CATTLE	NE-M	MCAL/KG *		1.22		
CATTLE	NE-GAIN	MCAL/KG *		0.56		
CATTLE	NE-LACTATION	MCAL/KG *		1.26		
CATTLE	TDN	% *		57.3		
SHEEP	TDN	% *		59.0		

FESTUCA MEGALURA, FESCUE, FOXTAIL

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA MEGALURA FOXTAIL, AERIAL PART, FRESH, (2)						
REF NO 2-01-895						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.4		
ASH		%		4.6		1
PROTEIN		%		6.1		1
CATTLE	DIG PROT	% *		3.0		
GOATS	DIG PROT	% *		2.2		
HORSES	DIG PROT	% *		2.7		
RABBITS	DIG PROT	% *		3.4		
SHEEP	DIG PROT	% *		2.6		
CALCIUM		%		0.18		1
COBALT		MG/KG		0.047		1
COPPER		MG/KG		5.3		1
MANGANESE		MG/KG		805.4		1
MOLYBDENUM		MG/KG		0.67		1
PHOSPHORUS		%		0.15		1
ZINC		MG/KG		23.4		1
FESTUCA MEGALURA FOXTAIL, AERIAL PART, FRESH MATURE, (2)						
REF NO 2-01-893						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.6		
ASH		%		4.4		2
CRUDE FIBER		%		39.0		2
ETHER EXTRACT		%		1.8		2
NITROGEN FREE EXTRACT		%		52.0		2
PROTEIN		%		2.8		2
CATTLE	DIG PROT	% *		0.3		
GOATS	DIG PROT	% *		-0.8		
HORSES	DIG PROT	% *		-0.1		
RABBITS	DIG PROT	% *		0.8		
SHEEP	DIG PROT	% *		-0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		1.88		
SHEEP	DE	MCAL/KG *		2.42		
CATTLE	ME	MCAL/KG *		1.55		
SHEEP	ME	MCAL/KG *		1.99		
CATTLE	NE-M	MCAL/KG *		0.93		
CATTLE	NE-GAIN	MCAL/KG *		-0.05		
CATTLE	NE-LACTATION	MCAL/KG *		0.76		
CATTLE	TDN	% *		42.7		
SHEEP	TDN	% *		54.9		
CALCIUM		%		0.13		2
COBALT		MG/KG		0.234		2
COPPER		MG/KG		2.1		2
MANGANESE		MG/KG		82.5		2
MOLYBDENUM		MG/KG		0.04		2
PHOSPHORUS		%		0.03		2

FESTUCA ORTOPHILLA, FESCUE, ORTOPHILLA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
FESTUCA ORTOPHILLA ORTOPHILLA, AERIAL PART, FRESH, (2)						
REF NO 2-13-380						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		99.6		
ASH		%		0.4		1
CRUDE FIBER		%		34.5		1
ETHER EXTRACT		%		2.7		1
NITROGEN FREE EXTRACT		%		55.7		1
PROTEIN		%		6.7		1
CATTLE	DIG PROT	% *		3.6		
GOATS	DIG PROT	% *		2.8		
HORSES	DIG PROT	% *		3.2		
RABBITS	DIG PROT	% *		3.8		
SHEEP	DIG PROT	% *		3.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.57		
SHEEP	DE	MCAL/KG *		2.68		
CATTLE	ME	MCAL/KG *		2.11		
SHEEP	ME	MCAL/KG *		2.20		
CATTLE	NE-M	MCAL/KG *		1.24		
CATTLE	NE-GAIN	MCAL/KG *		0.60		
CATTLE	NE-LACTATION	MCAL/KG *		1.29		
CATTLE	TDN	% *		58.3		
SHEEP	TDN	% *		60.9		
FESTUCA ORTOPHILLA ORTOPHILLA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-11-065						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.8		
ASH		%		4.2		1
CRUDE FIBER		%		45.3		1
ETHER EXTRACT		%		0.9		1
NITROGEN FREE EXTRACT		%		46.9		1
PROTEIN		%		2.7		1
CATTLE	DIG PROT	% *		0.2		
GOATS	DIG PROT	% *		-1.0		
HORSES	DIG PROT	% *		-0.2		
RABBITS	DIG PROT	% *		0.7		
SHEEP	DIG PROT	% *		-0.5		
CALCIUM		%		0.17		1
COBALT		MG/KG		0.133		1
COPPER		MG/KG		2.3		1
MANGANESE		MG/KG		122.0		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%		0.02		1

FESTUCA OVINA, FESCUE, SHEEP

FESTUCA OVINA SHEEP, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-01-934

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.4		
ASH	%		9.6		1
CRUDE FIBER	%		32.7		1
ETHER EXTRACT	%		1.6		1
NITROGEN FREE EXTRACT	%		49.4		1
PROTEIN	%		6.7		1
CATTLE DIG PROT	% *		3.6		
GOATS DIG PROT	% *		2.8		
HORSES DIG PROT	% *		3.2		
RABBITS DIG PROT	% *		3.8		
SHEEP DIG PROT	% *		3.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.38		
SHEEP DE	MCAL/KG *		2.50		
CATTLE ME	MCAL/KG *		1.96		
SHEEP ME	MCAL/KG *		2.05		
CATTLE NE-M	MCAL/KG *		1.15		
CATTLE NE-GAIN	MCAL/KG *		0.44		
CATTLE NE-LACTATION	MCAL/KG *		1.15		
CATTLE TDN	% *		54.1		
SHEEP TDN	% *		56.8		

FESTUCA SPP, FESCUE

FESTUCA SPP, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)

REF NO 1-13-582

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.5	100.0		1
PROTEIN	%	24.4	25.8		1
CATTLE DIG PROT	% *	18.2	19.3		
GOATS DIG PROT	% *	19.5	20.6		
HORSES DIG PROT	% *	18.4	19.4		
RABBITS DIG PROT	% *	17.6	18.6		
SHEEP DIG PROT	% *	18.6	19.7		

FESTUCA SPP, AERIAL PART, FRESH, (2)

REF NO 2-01-879

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	44.8	100.0		1
ORGANIC MATTER	%	40.1	89.5		
ASH	%	4.7	10.5		1
CRUDE FIBER	%	13.4	29.9		1
ETHER EXTRACT	%	1.5	3.3		1
NITROGEN FREE EXTRACT	%	22.6	50.4		1
PROTEIN	%	2.6	5.8		1
CATTLE DIG PROT	% *	1.3	2.8		
GOATS DIG PROT	% *	0.9	2.0		
HORSES DIG PROT	% *	1.1	2.5		
RABBITS DIG PROT	% *	1.4	3.2		
SHEEP DIG PROT	% *	1.1	2.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.18	2.64		
SHEEP DE	MCAL/KG *	1.14	2.55		
CATTLE ME	MCAL/KG *	0.97	2.16		
SHEEP ME	MCAL/KG *	0.94	2.09		
CATTLE NE-M	MCAL/KG *	0.57	1.28		
CATTLE NE-GAIN	MCAL/KG *	0.29	0.65		
CATTLE NE-LACTATION	MCAL/KG *	0.60	1.34		
CATTLE TDN	% *	26.8	59.8		
SHEEP TDN	% *	25.9	57.9		
CALCIUM	%	0.19	0.42		1
MAGNESIUM	%	0.09	0.20		1
PHOSPHORUS	%	0.07	0.16		1

FICUS CARICA, FIG, COMMON

FICUS CARICA COMMON, FRUIT, FRESH, (4)

REF NO 4-13-382

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.9	100.0		1
ORGANIC MATTER	%	23.3	97.5		
ASH	%	0.6	2.5		1
CRUDE FIBER	%	2.3	9.6		1
ETHER EXTRACT	%	0.3	1.3		1
NITROGEN FREE EXTRACT	%	19.8	82.8		
PROTEIN	%	0.9	3.8		1
CATTLE DIG PROT	% *	-0.1	-0.5		
GOATS DIG PROT	% *	0.2	0.7		
HORSES DIG PROT	% *	0.2	0.7		
SHEEP DIG PROT	% *	0.2	0.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.81	3.39		
SHEEP DE	MCAL/KG *	0.88	3.67		
SWINE DE	KCAL/KG *	928.	3881.		
CATTLE ME	MCAL/KG *	0.66	2.78		
SHEEP ME	MCAL/KG *	0.72	3.01		
SWINE ME	KCAL/KG *	883.	3696.		
CATTLE NE-M	MCAL/KG *	0.42	1.75		
CATTLE NE-GAIN	MCAL/KG *	0.28	1.16		
CATTLE NE-LACTATION	MCAL/KG *	0.46	1.93		
CATTLE TDN	% *	18.4	76.9		
SHEEP TDN	% *	19.9	83.1		
SWINE TDN	% *	21.0	88.0		
CALCIUM	%	0.05	0.21		1
IRON	%	0.001	0.004		1
PHOSPHORUS	%	0.03	0.13		1
ASCORBIC ACID	MG/KG	54.0	225.9		1
NIACIN	MG/KG	3.5	14.6		1
RIBOFLAVIN	MG/KG	0.4	1.7		1
THIAMINE	MG/KG	0.5	2.1		1
VITAMIN A EQUIV	IU/G	(2.87)	(11.9)		

FISH

FISH, STICKWATER SOLUBLES, CONDENSED, MN 30% PROTEIN, (5)
CONDENSED FISH SOLUBLES (AAFCO)

REF NO 5-01-969

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(50.6)	(100.0)		9
ORGANIC MATTER	%	41.1	81.3		
ASH	%	9.4	18.7	2	6
CRUDE FIBER	%	0.2	0.4	98	5
ETHER EXTRACT	%	6.6	13.1	25	6
SHEEP DIG COEF	%	80.	80.		1
NITROGEN FREE EXTRACT	%	2.9	5.7	1	4
PROTEIN	%	31.5	62.2	5	7
SHEEP DIG COEF	%	89.	89.		1
SHEEP DIG PROT	%	28.0	55.3		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	1.87	3.70		
SWINE DE	KCAL/KG *	1924.	3804.		
CHICKENS ME-N	KCAL/KG	1455.	2876.		2
SHEEP ME	MCAL/KG *	1.54	3.04		
SWINE ME	KCAL/KG	(1389.)	(2745.)		1
CHICKENS PRODUCTIVE	KCAL/KG	992.	1961.		2
SHEEP TDN	% *	42.5	84.0		
SWINE TDN	%	(43.6)	(86.3)		1
CALCIUM	%	(0.30)	(0.59)	98	6
CHLORINE	%	(2.65)	(5.23)		1
COPPER	MG/KG	(44.9)	(88.8)		2
IRON	%	(0.016)	(0.032)		2
MAGNESIUM	%	(0.02)	(0.04)		2
MANGANESE	MG/KG	(14.4)	(28.4)		2
PHOSPHORUS	%	(0.76)	(1.51)	17	6
CHICKENS, CHICKS AVAILABLE	%	(0.81)	(1.61)		1
POTASSIUM	%	(1.74)	(3.43)		1
SODIUM	%	(2.61)	(5.16)		2
SULPHUR	%	(0.12)	(0.24)		1
ZINC	MG/KG	(38.0)	(75.1)		1
BIOTIN	MG/KG	(0.18)	(0.35)		2
CHOLINE	MG/KG	(3518.)	(6955.)	17	4
NIACIN	MG/KG	(169.1)	(334.4)	1	4
PANTOTHENIC ACID	MG/KG	(35.5)	(70.2)	1	4
PYRIDOXINE	MG/KG	(12.2)	(24.2)		1
RIBOFLAVIN	MG/KG	(14.6)	(28.8)	1	4
THIAMINE	MG/KG	(5.5)	(10.9)		2
VITAMIN B12	UG/KG	347.2	686.3		1
VITAMIN A EQUIV	IU/G	(2.2)	(4.4)		
ARGININE	%	(1.61)	(3.19)	21	5
CYSTINE	%	(0.52)	(1.03)	97	5
GLUTAMIC ACID	%	(4.95)	(9.78)		1
GLYCINE	%	(3.41)	(6.74)	32	5
HISTIDINE	%	(1.56)	(3.09)		3
ISOLEUCINE	%	(1.06)	(2.10)		3
LEUCINE	%	(1.85)	(3.67)		2
LYSINE	%	(1.73)	(3.42)	22	5
METHIONINE	%	(0.71)	(1.40)	33	5
PHENYLALANINE	%	(0.92)	(1.83)		3
THREONINE	%	(0.86)	(1.69)		3
TRYPTOPHAN	%	(0.31)	(0.61)	78	5
VALINE	%	1.17	2.30		3

FISH, WHOLE OR CUTTINGS, COOKED DRY GRND, MN 9% OIL SALT DECLARED ABOVE 4%, (5)
OILY FISH MEAL (CFA)

REF NO 5-01-974

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.0		
ASH	%		8.0		1
CRUDE FIBER	%		12.2		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ETHER EXTRACT	%		19.6		1
NITROGEN FREE EXTRACT	%		37.6		1
PROTEIN	%		22.6		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.94		
SHEEP	DE MCAL/KG *		4.02		
CATTLE	ME MCAL/KG *		2.41		
SHEEP	ME MCAL/KG *		3.29		
CATTLE	NE-M MCAL/KG *		1.45		
CATTLE	NE-GAIN MCAL/KG *		0.87		
CATTLE	NE-LACTATION MCAL/KG *		1.58		
CATTLE	TDN % *		66.6		
SHEEP	TDN % *		91.1		

FISH, WHOLE OR CUTTINGS, COOKED EXTN UNSPECIFIED DEHY GRND, 5-9% FAT, (5)

REF NO 5-01-984

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		79.9		
ASH	%		20.1	34	5
CRUDE FIBER	%		1.5	84	4
ETHER EXTRACT	%		7.9	28	5
NITROGEN FREE EXTRACT	%		10.7	99	4
PROTEIN	%		59.8	23	5
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.26		
SHEEP	DE MCAL/KG *		2.90		
CATTLE	ME MCAL/KG *		2.67		
SHEEP	ME MCAL/KG *		2.38		
CATTLE	NE-M MCAL/KG *		1.66		
CATTLE	NE-GAIN MCAL/KG *		1.08		
CATTLE	NE-LACTATION MCAL/KG *		1.83		
CATTLE	TDN % *		74.0		
SHEEP	TDN % *		65.8		

FISH, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)
FISH MEAL (CFA)

REF NO 5-01-976

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.7	100.0	3	95
ORGANIC MATTER	%	70.9	77.4	40	23
ASH	%	20.4	22.3	40	98
CRUDE FIBER	%	1.0	1.1	98	66
ETHER EXTRACT	%	7.6	8.3	53	98
NITROGEN FREE EXTRACT	%	5.6	6.1	99	73
PROTEIN	%	57.0	62.2	16	98
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.99	3.26		
SHEEP	DE MCAL/KG *	2.51	2.74		
CATTLE	ME MCAL/KG *	2.45	2.67		
SHEEP	ME MCAL/KG *	2.06	2.24		
CATTLE	NE-M MCAL/KG *	1.52	1.66		
CATTLE	NE-GAIN MCAL/KG *	0.99	1.08		
CATTLE	NE-LACTATION MCAL/KG *	1.68	1.83		
CATTLE	TDN % *	67.8	73.9		
SHEEP	TDN % *	56.9	62.0		
CALCIUM	%	5.84	6.37	51	47
IRON	%	0.072	0.079	98	10
MAGNESIUM	%	1.11	1.21		1
PHOSPHORUS	%	2.88	3.14	51	46
POTASSIUM	%	0.56	0.61		1
SALT (NACL)	%	1.69	1.84	34	5
SODIUM	%	0.61	0.66		1
ARGININE	%	3.57	3.89		1
CYSTINE	%	2.66	2.90		1
HISTIDINE	%	1.22	1.33		1
ISOLEUCINE	%	3.24	3.53		1
LEUCINE	%	2.32	2.53		1
LYSINE	%	4.00	4.36		1
METHIONINE	%	0.76	0.83		1
PHENYLALANINE	%	2.47	2.70		1
THREONINE	%	2.36	2.58		1
TRYPTOPHAN	%	0.60	0.66		1
TYROSINE	%	1.55	1.69		1
VALINE	%	3.19	3.48		1

FISH, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, 50% PROTEIN, (5)

REF NO 5-01-979

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.5	100.0	2	23
ORGANIC MATTER	%	73.0	78.9	29	7
ASH	%	23.4	25.3	29	23
CRUDE FIBER	%	1.3	1.5	98	13
ETHER EXTRACT	%	12.3	13.3	51	17
NITROGEN FREE EXTRACT	%	4.0	4.4	57	8
PROTEIN	%	51.5	55.7	5	24
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.81	4.12		
SHEEP	DE MCAL/KG *	2.49	2.69		
CATTLE	ME MCAL/KG *	3.13	3.38		
SHEEP	ME MCAL/KG *	2.04	2.21		
CATTLE	NE-M MCAL/KG *	2.20	2.38		
CATTLE	NE-GAIN MCAL/KG *	1.41	1.53		
CATTLE	NE-LACTATION MCAL/KG *	2.32	2.51		
CATTLE	TDN % *	86.5	93.5		
SHEEP	TDN % *	56.4	61.0		
CALCIUM	%	6.12	6.61	36	8
IRON	%	0.138	0.149		1
PHOSPHORUS	%	3.38	3.66	26	8

FISH, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, 55% PROTEIN, (5)

REF NO 5-01-980

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.3	100.0	3	42
ORGANIC MATTER	%	(72.3)	(79.3)	23	13
ASH	%	(19.8)	(21.7)	23	37
CRUDE FIBER	%	(1.7)	(1.9)	89	20
ETHER EXTRACT	%	(8.9)	(9.8)	33	32
NITROGEN FREE EXTRACT	%	(4.7)	(5.1)	99	22
PROTEIN	%	(56.1)	(61.5)	8	42
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	(3.20)	(3.51)		
SHEEP	DE MCAL/KG *	(2.59)	(2.84)		
CATTLE	ME MCAL/KG *	(2.62)	(2.88)		
SHEEP	ME MCAL/KG *	(2.12)	(2.33)		
CATTLE	NE-M MCAL/KG *	(1.68)	(1.84)		
CATTLE	NE-GAIN MCAL/KG *	(1.12)	(1.23)		
CATTLE	NE-LACTATION MCAL/KG *	(1.85)	(2.02)		
CATTLE	TDN % *	(72.6)	(79.5)		
SHEEP	TDN % *	58.7	64.3		
CALCIUM	%	5.40	5.91	35	16
IRON	%	0.015	0.017		3
PHOSPHORUS	%	3.44	3.77	40	14
POTASSIUM	%	7.70	8.44		1
ALANINE	%	3.53	3.87		2
ARGININE	%	3.09	3.39		2
ASPARTIC ACID	%	4.68	5.13		2
CYSTINE	%	0.52	0.57		2
GLUTAMIC ACID	%	6.99	7.66		2
GLYCINE	%	5.06	5.55		2
HISTIDINE	%	1.84	2.02		2
ISOLEUCINE	%	1.83	2.01		2
LEUCINE	%	3.29	3.60		2
LYSINE	%	4.28	4.69	20	5
METHIONINE	%	1.41	1.54	15	5
PHENYLALANINE	%	2.46	2.70		2
PROLINE	%	3.47	3.80		1
SERINE	%	1.77	1.95		2
THREONINE	%	2.03	2.23		2
TRYPTOPHAN	%	0.37	0.41		2
TYROSINE	%	1.61	1.76		2
VALINE	%	2.46	2.70		2

FISH, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, 60% PROTEIN, (5)

REF NO 5-01-981

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(91.6)	(100.0)	2	98
ORGANIC MATTER	%	77.9	85.0	18	18
ASH	%	16.0	17.5	18	98
CRUDE FIBER	%	1.0	1.1	98	81
ETHER EXTRACT	%	10.4	11.3	26	98
NITROGEN FREE EXTRACT	%	2.2	2.4	99	74
PROTEIN	%	62.0	67.7	5	98
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.90	3.17		
SHEEP	ME MCAL/KG *	2.38	2.60		
SHEEP	TDN % *	65.8	71.9		
CALCIUM	%	4.05	4.42	35	24
IRON	%	0.008	0.008		1
PHOSPHORUS	%	2.86	3.13	22	23
ALANINE	%	3.62	3.96	17	6
ARGININE	%	3.83	4.19	25	6
ASPARTIC ACID	%	6.01	6.56	20	5
CYSTINE	%	0.71	0.78	69	5
GLUTAMIC ACID	%	8.05	8.79	27	5
GLYCINE	%	3.58	3.91	31	6
HISTIDINE	%	1.46	1.59	52	6
ISOLEUCINE	%	2.03	2.22	16	6
LEUCINE	%	3.74	4.09	9	6
LYSINE	%	4.66	5.09	33	8
METHIONINE	%	1.62	1.77	35	7
PHENYLALANINE	%	2.35	2.57	20	6
PROLINE	%	2.29	2.50	35	4
SERINE	%	2.41	2.63	9	6
THREONINE	%	2.53	2.76	25	6
TRYPTOPHAN	%	0.42	0.45	25	6
TYROSINE	%	1.91	2.09	45	6
VALINE	%	3.25	3.55	21	6

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
FISH, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, 65% PROTEIN, (5)					
REF NO 5-01-982					
DRY MATTER	%	91.7	100.0	2	98
ORGANIC MATTER	%	78.5	85.6	20	98
ASH	%	13.9	15.2	20	98
CRUDE FIBER	%	0.9	0.9	98	55
ETHER EXTRACT	%	10.1	11.0	54	98
NITROGEN FREE EXTRACT	%	0.1	0.1	99	47
PROTEIN	%	66.7	72.8	4	98
CALCIUM	%	3.54	3.87	24	98
PHOSPHORUS	%	2.83	3.09	18	98
SALT (NACL)	%	2.46	2.69	23	24
ALANINE	%	3.53	3.86	15	9
ARGININE	%	4.01	4.38	27	10
ASPARTIC ACID	%	5.74	6.26	12	8
CYSTINE	%	0.70	0.76	33	7
GLUTAMIC ACID	%	7.57	8.26	13	9
GLYCINE	%	4.30	4.69	21	9
HISTIDINE	%	1.62	1.76	52	10
ISOLEUCINE	%	2.56	2.80	25	10
LEUCINE	%	4.80	5.23	21	10
LYSINE	%	4.61	5.03	19	10
METHIONINE	%	1.59	1.74	30	8
PHENYLALANINE	%	2.62	2.86	13	10
PROLINE	%	2.51	2.74		2
SERINE	%	2.32	2.54	15	9
THREONINE	%	2.63	2.87	17	10
TRYPTOPHAN	%	0.42	0.46	32	10
TYROSINE	%	2.60	2.84	25	9
VALINE	%	(3.05)	(3.32)	27	10

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
FISH, WHOLE OR CUTTINGS, COOKED SOLV EXTD DEHY GRND, (5)					
REF NO 5-13-517					
DRY MATTER	%	91.6	100.0	6	13
ORGANIC MATTER	%	73.5	80.3	76	9
ASH	%	16.1	17.6	76	12
CRUDE FIBER	%	0.7	0.7		2
ETHER EXTRACT	%	0.8	0.9	48	13
NITROGEN FREE EXTRACT	%	3.3	3.6	85	8
PROTEIN	%	70.7	77.2	21	13
CALCIUM	%	2.74	2.99		3
IRON	%	0.021	0.023		1
PHOSPHORUS	%	2.18	2.38		3
SALT (NACL)	%	2.18	2.38		2

FISH MEAL, ANCHOVY
*SEE ENGRAULIS SPP ANCHOVY, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

FISH MEAL, HERRING
*SEE CLUPEA HARENGUS, HARENGUS, CLUPEA HARENGUS, PALLASI HERRING, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

FISH MEAL, MENHADEN
*SEE BREVOORTIA TYRANNUS MENHADEN, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

FISH MEAL, SARDINE
*SEE CLUPEA SPP, SARDINOPS SPP SARDINE, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

FISH MEAL, SHARK
*SEE SELACHII (ORDER) SHARK, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

FISH MEAL (CFA)
*SEE FISH, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5)

GALACTIA GLAUCESCENS, MILKPEA, GLAUCESCENS

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GALACTIA GLAUCESCENS GLAUCESCENS, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-495					
DRY MATTER	%	26.3	100.0		1
ORGANIC MATTER	%	23.6	89.9		1
ASH	%	2.7	10.1		1
CRUDE FIBER	%	11.7	44.5		1
ETHER EXTRACT	%	0.5	1.8		1
NITROGEN FREE EXTRACT	%	7.7	29.4		1
PROTEIN	%	3.7	14.2		1
CATTLE DIG PROT	% *	2.6	10.0		
GOATS DIG PROT	% *	2.6	9.8		
HORSES DIG PROT	% *	2.5	9.6		
RABBITS DIG PROT	% *	2.5	9.6		
SHEEP DIG PROT	% *	2.7	10.2		
CALCIUM	%	0.39	1.48		1
PHOSPHORUS	%	0.07	0.26		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GALACTIA GLAUCESCENS GLAUCESCENS, LEAVES, FRESH, MIDBLOOM, (2)					
REF NO 2-17-540					
DRY MATTER	%	36.3	100.0		1
PROTEIN	%	5.5	15.2		1
CATTLE DIG PROT	% *	3.9	10.8		
GOATS DIG PROT	% *	3.9	10.7		
HORSES DIG PROT	% *	3.8	10.4		
RABBITS DIG PROT	% *	3.8	10.4		
SHEEP DIG PROT	% *	4.0	11.2		
CALCIUM	%	0.30	0.83		1
MAGNESIUM	%	0.34	0.93		1
MANGANESE	MG/KG	204.4	563.0		1
PHOSPHORUS	%	0.07	0.18		1
POTASSIUM	%	0.48	1.31		1
SODIUM	%	0.02	0.05		1
ZINC	MG/KG	24.0	66.0		1

GALACTIA JUSSIEVANA, MILKPEA, JUSSIEVANA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GALACTIA JUSSIEVANA JUSSIEVANA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-496					
DRY MATTER	%	30.0	100.0		1
ORGANIC MATTER	%	28.4	94.6		1
ASH	%	1.6	5.4		1
CRUDE FIBER	%	10.0	33.3		1
ETHER EXTRACT	%	0.6	2.1		1
NITROGEN FREE EXTRACT	%	12.4	41.3		1
PROTEIN	%	5.4	17.9		1
CATTLE DIG PROT	% *	3.9	13.1		
GOATS DIG PROT	% *	4.0	13.3		
HORSES DIG PROT	% *	3.8	12.7		
RABBITS DIG PROT	% *	3.7	12.5		
SHEEP DIG PROT	% *	4.1	13.7		
ENERGY GE	KCAL/KG				
CATTLE DE	KCAL/KG *	0.83	2.75		
SHEEP DE	KCAL/KG *	0.83	2.76		
CATTLE ME	KCAL/KG *	0.68	2.26		
SHEEP ME	KCAL/KG *	0.68	2.26		
CATTLE NE-M	KCAL/KG *	0.40	1.34		
CATTLE NE-GAIN	KCAL/KG *	0.22	0.74		
CATTLE NE-LACTATION	KCAL/KG *	0.43	1.44		
CATTLE TDN	% *	18.7	62.5		
SHEEP TDN	% *	18.8	62.6		
CALCIUM	%	0.08	0.25		1
PHOSPHORUS	%	0.03	0.11		1

GALACTIA STRIATA, MILKPEA, STRIATA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GALACTIA STRIATA STRIATA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-497					
DRY MATTER	%	29.5	100.0		1
ORGANIC MATTER	%	26.6	90.0		1
ASH	%	3.0	10.0		1
CRUDE FIBER	%	10.4	35.2		1
ETHER EXTRACT	%	0.4	1.5		1
NITROGEN FREE EXTRACT	%	10.7	36.4		1
PROTEIN	%	5.0	16.9		1
CATTLE DIG PROT	% *	3.6	12.3		
GOATS DIG PROT	% *	3.6	12.3		
HORSES DIG PROT	% *	3.5	11.9		
RABBITS DIG PROT	% *	3.5	11.7		
SHEEP DIG PROT	% *	3.8	12.7		
ENERGY GE	KCAL/KG				
CATTLE DE	KCAL/KG *	0.81	2.76		
SHEEP DE	KCAL/KG *	0.76	2.58		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	ME	MCAL/KG *	0.67	2.26		
SHEEP	ME	MCAL/KG *	0.62	2.12		
CATTLE	NE-M	MCAL/KG *	0.40	1.35		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.74		
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.44		
CATTLE	TDN	% *	18.5	62.6		
SHEEP	TDN	% *	17.3	58.6		
CALCIUM		%	0.37	1.27		1
PHOSPHORUS		%	0.06	0.22		1

GALLUS DOMESTICUS, CHICKEN

GALLUS DOMESTICUS, LITTER, (5)

REF NO 5-13-518

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.1	100.0		1
ORGANIC MATTER		%	57.1	63.4		
ASH		%	33.0	36.6	28	4
CRUDE FIBER		%	10.3	11.5	13	4
ETHER EXTRACT		%	1.9	2.2	25	4
NITROGEN FREE EXTRACT		%	24.8	27.5	22	4
PROTEIN		%	20.1	22.3	28	4
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.46	0.51		
SHEEP	DE	MCAL/KG *	1.39	1.54		
CATTLE	ME	MCAL/KG *	0.38	0.42		
SHEEP	ME	MCAL/KG *	1.14	1.26		
CATTLE	NE-M	MCAL/KG *	0.48	0.53		
CATTLE	NE-GAIN	MCAL/KG *	-1.84	-2.05		
CATTLE	NE-LACTATION	MCAL/KG *	-0.28	-0.31		
CATTLE	TDN	% *	10.5	11.6		
SHEEP	TDN	% *	31.5	35.0		
CALCIUM		%	4.50	5.00		3
PHOSPHORUS		%	2.72	3.02		3

GALLUS DOMESTICUS, VISCERA, RAW, (5)

REF NO 5-09-788

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.0		
ASH		%		9.0		1
CRUDE FIBER		%		1.3		1
ETHER EXTRACT		%		17.6		1
NITROGEN FREE EXTRACT		%		0.2		1
PROTEIN		%		(71.9)		1

GARBAGE

GARBAGE, COOKED DRY, HIGH FAT, (4)

REF NO 4-07-863

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(95.9)	(100.0)		2
ORGANIC MATTER		%	83.0	86.5		
ASH		%	12.9	13.5		1
CRUDE FIBER		%	20.0	20.9		1
SHEEP	DIG COEF	%	88.	88.		1
ETHER EXTRACT		%	23.7	24.7		1
SHEEP	DIG COEF	%	82.	82.		1
NITROGEN FREE EXTRACT		%	21.8	22.7		1
SHEEP	DIG COEF	% *	82.	82.		
PROTEIN		%	17.5	18.2		1
SHEEP	DIG COEF	%	36.	36.		1
CATTLE	DIG PROT	% *	12.2	12.8		
GOATS	DIG PROT	% *	13.4	14.0		
HORSES	DIG PROT	% *	13.4	14.0		
SHEEP	DIG PROT	%	6.3	6.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.77	3.93		
SHEEP	ME	MCAL/KG *	3.09	3.22		
SHEEP	TDN	% *	(85.5)	(89.2)		
PHOSPHORUS		%	(0.33)	(0.34)		1
POTASSIUM		%	0.62	0.65		1

GARBANZOS
=SEE CICER ARIETINUM GRAM, SEEDS, (5)

GAYA GAUDICHAUDINA

GAYA GAUDICHAUDINA GAUDICHAUDINA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-494

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.9	100.0		1
ORGANIC MATTER		%	18.1	90.9		1
ASH		%	1.8	9.0		1
CRUDE FIBER		%	9.0	45.0		1
ETHER EXTRACT		%	0.4	2.2		1
NITROGEN FREE EXTRACT		%	4.8	24.2		1
PROTEIN		%	3.9	19.6		1
CATTLE	DIG PROT	% *	2.9	14.6		
GOATS	DIG PROT	% *	3.0	14.8		
HORSES	DIG PROT	% *	2.8	14.2		
RABBITS	DIG PROT	% *	2.7	13.8		
SHEEP	DIG PROT	% *	3.0	15.3		
CALCIUM		%	0.32	1.63		1
PHOSPHORUS		%	0.04	0.22		1

GLIRICIDIA SEPIUM, SHAW, NICARAGUAN

GLIRICIDIA SEPIUM NICARAGUAN, LEAVES, DEHY, (1)

REF NO 1-11-665

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.0	100.0		1
ORGANIC MATTER		%	80.4	91.4		1
ASH		%	7.6	8.6		1
CRUDE FIBER		%	14.6	16.6		1
ETHER EXTRACT		%	4.3	4.9		1
NITROGEN FREE EXTRACT		%	41.7	47.4		1
PROTEIN		%	19.8	22.5		1
CATTLE	DIG PROT	% *	14.5	16.4		
GOATS	DIG PROT	% *	15.4	17.6		
HORSES	DIG PROT	% *	14.6	16.6		
RABBITS	DIG PROT	% *	14.1	16.0		
SHEEP	DIG PROT	% *	14.7	16.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.85	3.23		
HORSES	DE	MCAL/KG *	0.89	1.01		
SHEEP	DE	MCAL/KG *	2.76	3.13		
CATTLE	ME	MCAL/KG *	2.33	2.65		
HORSES	ME	MCAL/KG *	0.73	0.83		
SHEEP	ME	MCAL/KG *	2.26	2.57		
CATTLE	NE-M	MCAL/KG *	1.45	1.64		
CATTLE	NE-GAIN	MCAL/KG *	0.94	1.07		
CATTLE	NE-LACTATION	MCAL/KG *	1.59	1.81		
CATTLE	TDN	% *	64.6	73.4		
HORSES	TDN	% *	20.2	23.0		
SHEEP	TDN	% *	62.5	71.0		

GLIRICIDIA SEPIUM NICARAGUAN, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-11-664

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.4	100.0		1
ORGANIC MATTER		%	22.3	91.2		
ASH		%	2.1	8.8		1
CRUDE FIBER		%	3.0	12.3		1
ETHER EXTRACT		%	1.0	4.0		1
NITROGEN FREE EXTRACT		%	13.1	53.7		1
PROTEIN		%	5.2	21.2		1
CATTLE	DIG PROT	% *	3.9	15.9		
GOATS	DIG PROT	% *	4.0	16.3		
HORSES	DIG PROT	% *	3.8	15.5		
RABBITS	DIG PROT	% *	3.7	15.0		
SHEEP	DIG PROT	% *	4.1	16.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.03	4.24		
SHEEP	DE	MCAL/KG *	0.81	3.32		
CATTLE	ME	MCAL/KG *	0.85	3.48		
SHEEP	ME	MCAL/KG *	0.66	2.72		
CATTLE	NE-M	MCAL/KG *	0.61	2.50		
CATTLE	NE-GAIN	MCAL/KG *	0.38	1.57		
CATTLE	NE-LACTATION	MCAL/KG *	0.63	2.60		
CATTLE	TDN	% *	23.5	96.1		
SHEEP	TDN	% *	18.4	75.3		

GLIRICIDIA SEPIUM NICARAGUAN, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-493

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.3	100.0		1
ORGANIC MATTER		%	22.8	86.7		1
ASH		%	3.5	13.3		1
CRUDE FIBER		%	5.5	20.8		1
ETHER EXTRACT		%	0.7	2.5		1
NITROGEN FREE EXTRACT		%	11.4	43.5		1
PROTEIN		%	5.2	19.9		1
CATTLE	DIG PROT	% *	3.9	14.8		
GOATS	DIG PROT	% *	4.0	15.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	3.8	14.4		
RABBITS	DIG PROT % *	3.7	14.0		
SHEEP	DIG PROT % *	4.1	15.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.72	2.74		
SHEEP	DE MCAL/KG *	0.74	2.81		
CATTLE	ME MCAL/KG *	0.59	2.25		
SHEEP	ME MCAL/KG *	0.61	2.30		
CATTLE	NE-M MCAL/KG *	0.35	1.34		
CATTLE	NE-GAIN MCAL/KG *	0.19	0.73		
CATTLE	NE-LACTATION MCAL/KG *	0.38	1.43		
CATTLE	TDN % *	16.4	62.2		
SHEEP	TDN % *	16.8	63.7		
CALCIUM	%	0.64	2.45		1
PHOSPHORUS	%	0.07	0.25		1

GLIRICIDIA SEPIUM NICARAGUAN, LEAVES, FRESH, (2)

REF NO 2-11-663

DRY MATTER	%	25.4	100.0		1
ORGANIC MATTER	%	23.5	92.6		
ASH	%	1.9	7.4		1
CRUDE FIBER	%	3.3	13.1		1
ETHER EXTRACT	%	1.0	4.0		1
NITROGEN FREE EXTRACT	%	12.1	47.7		1
PROTEIN	%	7.1	27.8		1
CATTLE	DIG PROT % *	5.5	21.5		
GOATS	DIG PROT % *	5.7	22.5		
HORSES	DIG PROT % *	5.4	21.1		
RABBITS	DIG PROT % *	5.1	20.1		
SHEEP	DIG PROT % *	5.8	22.9		

GLIRICIDIA SEPIUM NICARAGUAN, STEMS, FRESH, (2)

REF NO 2-11-662

DRY MATTER	%	19.1	100.0		2
ORGANIC MATTER	%	17.5	91.9		
ASH	%	1.6	8.2		2
CRUDE FIBER	%	5.8	30.5		2
ETHER EXTRACT	%	0.3	1.4		2
NITROGEN FREE EXTRACT	%	8.7	45.5		2
PROTEIN	%	2.8	14.5		2
CATTLE	DIG PROT % *	1.9	10.2		
GOATS	DIG PROT % *	1.9	10.0		
HORSES	DIG PROT % *	1.9	9.8		
RABBITS	DIG PROT % *	1.9	9.8		
SHEEP	DIG PROT % *	2.0	10.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.51	2.70		
SHEEP	DE MCAL/KG *	0.51	2.66		
CATTLE	ME MCAL/KG *	0.42	2.21		
SHEEP	ME MCAL/KG *	0.42	2.18		
CATTLE	NE-M MCAL/KG *	0.25	1.31		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.70		
CATTLE	NE-LACTATION MCAL/KG *	0.27	1.39		
CATTLE	TDN % *	11.7	61.1		
SHEEP	TDN % *	11.5	60.4		

GLYCINE MAX, SOYBEAN

GLYCINE MAX, AERIAL PART, DEHY GRND, (1)

REF NO 1-11-740

DRY MATTER	%	89.5	100.0		3
ORGANIC MATTER	%	81.0	90.5		3
ASH	%	8.5	9.5		3
CRUDE FIBER	%	23.9	26.6		3
ETHER EXTRACT	%	7.7	8.6		3
NITROGEN FREE EXTRACT	%	32.9	36.7		3
PROTEIN	%	16.6	18.6		3
CATTLE	DIG PROT % *	11.6	13.0		
GOATS	DIG PROT % *	12.4	13.9		
HORSES	DIG PROT % *	11.9	13.3		
RABBITS	DIG PROT % *	11.6	13.0		
SHEEP	DIG PROT % *	11.8	13.2		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.21	2.47		
SHEEP	ME MCAL/KG *	1.82	2.03		
SHEEP	TDN % *	50.2	56.1		
CALCIUM	%	0.98	1.10		3
IRON	%	0.037	0.041		2
PHOSPHORUS	%	0.42	0.46		3

GLYCINE MAX, MAT, S-C, (1)

REF NO 1-04-558

DRY MATTER	%	89.0	100.0	1	7
ORGANIC MATTER	%	81.3	91.4		
ASH	%	7.6	8.6	13	9
CRUDE FIBER	%	28.2	31.8	20	16
ETHER EXTRACT	%	2.7	3.0	48	14
NITROGEN FREE EXTRACT	%	36.2	40.7	16	9
PROTEIN	%	14.2	15.9	17	16
CATTLE	DIG PROT % *	9.5	10.7		
GOATS	DIG PROT % *	10.1	11.4		
HORSES	DIG PROT % *	9.8	11.0		
RABBITS	DIG PROT % *	9.7	11.0		
SHEEP	DIG PROT % *	9.6	10.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.22	2.49		
HORSES	DE MCAL/KG *	1.71	1.92		
SHEEP	DE MCAL/KG *	2.20	2.47		
CATTLE	ME MCAL/KG *	1.82	2.05		
HORSES	ME MCAL/KG *	1.40	1.58		
SHEEP	ME MCAL/KG *	1.80	2.02		
CATTLE	NE-M MCAL/KG *	1.07	1.21		
CATTLE	NE-GAIN MCAL/KG *	0.48	0.54		
CATTLE	NE-LACTATION MCAL/KG *	1.10	1.23		
CATTLE	TDN % *	50.3	56.6		
HORSES	TDN % *	42.6	47.9		
SHEEP	TDN % *	49.8	56.0		
CALCIUM	%	1.18	1.33	21	5
PHOSPHORUS	%	0.29	0.32	98	5

GLYCINE MAX, MAT, S-C, MIDBLOOM, (1)

REF NO 1-04-538

DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.1		
ASH	%		7.9	5	11
CRUDE FIBER	%		23.9	11	11
ETHER EXTRACT	%		2.6	16	11
NITROGEN FREE EXTRACT	%		54.7	6	11
PROTEIN	%		11.0	17	11
CATTLE	DIG PROT % *		6.4		
GOATS	DIG PROT % *		6.8		
HORSES	DIG PROT % *		6.8		
RABBITS	DIG PROT % *		7.1		
SHEEP	DIG PROT % *		6.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.67		
HORSES	DE MCAL/KG *		1.90		
SHEEP	DE MCAL/KG *		2.58		
CATTLE	ME MCAL/KG *		2.19		
HORSES	ME MCAL/KG *		1.55		
SHEEP	ME MCAL/KG *		2.11		
CATTLE	NE-M MCAL/KG *		1.30		
CATTLE	NE-GAIN MCAL/KG *		0.68		
CATTLE	NE-LACTATION MCAL/KG *		1.37		
CATTLE	TDN % *		60.5		
HORSES	TDN % *		47.2		
SHEEP	TDN % *		58.4		

GLYCINE MAX, MAT, S-C, LATE BLOOM, (1)

REF NO 1-04-540

DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.6		
ASH	%		7.4	13	7
CRUDE FIBER	%		22.2	9	7
ETHER EXTRACT	%		3.2	12	7
NITROGEN FREE EXTRACT	%		54.6	6	7
PROTEIN	%		12.7	24	7
CATTLE	DIG PROT % *		7.9		
GOATS	DIG PROT % *		8.8		
HORSES	DIG PROT % *		8.3		
RABBITS	DIG PROT % *		8.5		
SHEEP	DIG PROT % *		7.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.83		
HORSES	DE MCAL/KG *		1.92		
SHEEP	DE MCAL/KG *		2.70		
CATTLE	ME MCAL/KG *		2.32		
HORSES	ME MCAL/KG *		1.57		
SHEEP	ME MCAL/KG *		2.21		
CATTLE	NE-M MCAL/KG *		1.39		
CATTLE	NE-GAIN MCAL/KG *		0.80		
CATTLE	NE-LACTATION MCAL/KG *		1.49		
CATTLE	TDN % *		64.1		
HORSES	TDN % *		47.9		
SHEEP	TDN % *		61.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GLYCINE MAX, HAY, S-C, MILK STAGE, (1)						
REF NO 1-04-541						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.0		
ASH		%		8.0	2	4
CRUDE FIBER		%		21.8	23	4
ETHER EXTRACT		%		2.6	21	4
NITROGEN FREE EXTRACT		%		53.2	7	4
PROTEIN		%		14.4	8	4
CATTLE	DIG PROT	% *		9.4		
GOATS	DIG PROT	% *		10.0		
HORSES	DIG PROT	% *		9.7		
RABBITS	DIG PROT	% *		9.8		
SHEEP	DIG PROT	% *		9.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.80		
HORSES	DE	MCAL/KG *		1.92		
SHEEP	DE	MCAL/KG *		2.70		
CATTLE	ME	MCAL/KG *		2.29		
HORSES	ME	MCAL/KG *		1.58		
SHEEP	ME	MCAL/KG *		2.21		
CATTLE	NE-M	MCAL/KG *		1.37		
CATTLE	NE-GAIN	MCAL/KG *		0.77		
CATTLE	NE-LACTATION	MCAL/KG *		1.47		
CATTLE		TDN % *		63.5		
HORSES		TDN % *		47.9		
SHEEP		TDN % *		61.1		
GLYCINE MAX, HAY, S-C, MATURE, (1)						
REF NO 1-04-543						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9		
ASH		%		8.1		1
CRUDE FIBER		%		27.8		1
ETHER EXTRACT		%		7.7		1
NITROGEN FREE EXTRACT		%		42.6		1
PROTEIN		%		13.8		1
CATTLE	DIG PROT	% *		8.9		
GOATS	DIG PROT	% *		9.4		
HORSES	DIG PROT	% *		9.2		
RABBITS	DIG PROT	% *		9.3		
SHEEP	DIG PROT	% *		8.9		
ENERGY	GE	KCAL/KG				
HORSES	DE	MCAL/KG *		0.97		
SHEEP	DE	MCAL/KG *		2.49		
HORSES	ME	MCAL/KG *		0.79		
SHEEP	ME	MCAL/KG *		2.05		
HORSES		TDN % *		21.8		
SHEEP		TDN % *		56.6		
CALCIUM		%		1.16		1
PHOSPHORUS		%		0.24		1
GLYCINE MAX, HULLS, (1) SOYBEAN HULLS (AAFCO) SOYBEAN FLAKES						
REF NO 1-04-560						
DRY MATTER		%	91.6	100.0		5
ORGANIC MATTER		%	88.0	96.1	22	3
ASH		%	4.8	5.2	22	5
SHEEP	DIG COEF	%	29.	29.		
CRUDE FIBER		%	33.3	36.4	16	6
SHEEP	DIG COEF	%	72.	72.		3
ETHER EXTRACT		%	2.6	2.8	9	6
SHEEP	DIG COEF	%	76.	76.		3
NITROGEN FREE EXTRACT		%	38.6	42.1	13	5
SHEEP	DIG COEF	%	75.	75.		3
PROTEIN		%	12.3	13.5	20	6
SHEEP	DIG COEF	%	48.	48.		3
CATTLE	DIG PROT	% *	7.9	8.6		
GOATS	DIG PROT	% *	8.4	9.1		
HORSES	DIG PROT	% *	8.2	9.0		
RABBITS	DIG PROT	% *	8.3	9.1		
SHEEP	DIG PROT	%	(6.0)	(6.5)		
CELLULOSE (CRAMPTON)		%	(34.4)	(37.5)		3
CELLULOSE (MATRUNE)		%	(47.7)	(52.1)		1
PENTOSANS		%	(21.9)	(23.1)		1
LIGNIN (ELLIS)		%	6.0	6.5		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.27	2.48		
HORSES	DE	MCAL/KG *	1.72	1.88		
SHEEP	DE	MCAL/KG *	2.78	3.04		
CATTLE	ME	MCAL/KG *	1.87	2.04		
HORSES	ME	MCAL/KG *	1.41	1.54		
SHEEP	ME	MCAL/KG *	2.28	2.49		
CATTLE	NE-M	MCAL/KG *	1.10	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.48	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	1.12	1.22		
CATTLE		TDN % *	51.6	56.3		
HORSES		TDN % *	42.8	46.7		
SHEEP		TDN %	63.2	69.0		
CALCIUM		%	(0.46)	(0.50)		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MANGANESE		MG/KG	(5.8)	(6.3)		1
PHOSPHORUS		%	(0.21)	(0.23)		2
CHOLINE		MG/KG	(287.)	(313.)		1
THIAMINE		MG/KG	0.7	0.8		1
GLYCINE MAX, HULLS, GRND, (1)						
REF NO 1-13-523						
DRY MATTER		%	92.5	100.0	1	6
ORGANIC MATTER		%	81.7	88.4		
ASH		%	10.8	11.6	76	7
CRUDE FIBER		%	35.3	38.2	23	6
ETHER EXTRACT		%	1.4	1.5	26	6
NITROGEN FREE EXTRACT		%	33.5	36.2	9	6
PROTEIN		%	11.5	12.4	25	7
CATTLE	DIG PROT	% *	7.1	7.7		
GOATS	DIG PROT	% *	7.6	8.2		
HORSES	DIG PROT	% *	7.5	8.1		
RABBITS	DIG PROT	% *	7.6	8.3		
SHEEP	DIG PROT	% *	7.1	7.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.99	2.15		
SHEEP	DE	MCAL/KG *	2.06	2.23		
CATTLE	ME	MCAL/KG *	1.63	1.76		
SHEEP	ME	MCAL/KG *	1.69	1.83		
CATTLE	NE-M	MCAL/KG *	0.97	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.23		
CATTLE	NE-LACTATION	MCAL/KG *	0.89	0.96		
CATTLE		TDN % *	45.1	48.8		
SHEEP		TDN % *	46.8	50.6		
GLYCINE MAX, LEAVES, (1)						
REF NO 1-04-561						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.1		
ASH		%		10.9		1
CRUDE FIBER		%		28.1		1
ETHER EXTRACT		%		3.3		1
NITROGEN FREE EXTRACT		%		37.2		1
PROTEIN		%		20.4		1
CATTLE	DIG PROT	% *		14.6		
GOATS	DIG PROT	% *		15.6		
HORSES	DIG PROT	% *		14.9		
RABBITS	DIG PROT	% *		14.4		
SHEEP	DIG PROT	% *		14.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.59		
SHEEP	DE	MCAL/KG *		2.56		
CATTLE	ME	MCAL/KG *		2.12		
SHEEP	ME	MCAL/KG *		2.10		
CATTLE	NE-M	MCAL/KG *		1.25		
CATTLE	NE-GAIN	MCAL/KG *		0.61		
CATTLE	NE-LACTATION	MCAL/KG *		1.30		
CATTLE		TDN % *		58.6		
SHEEP		TDN % *		58.1		
CALCIUM		%		1.63		1
PHOSPHORUS		%		0.96		1
GLYCINE MAX, LEAVES, S-C GRND, (1)						
REF NO 1-13-519						
DRY MATTER		%	92.3	100.0		1
ORGANIC MATTER		%	88.5	95.9		
ASH		%	3.8	4.1		1
CRUDE FIBER		%	49.9	54.1		1
ETHER EXTRACT		%	1.4	1.5		1
NITROGEN FREE EXTRACT		%	32.8	35.5		1
PROTEIN		%	4.4	4.8		1
CATTLE	DIG PROT	% *	1.0	1.1		
GOATS	DIG PROT	% *	0.9	1.0		
HORSES	DIG PROT	% *	1.5	1.6		
RABBITS	DIG PROT	% *	2.2	2.4		
SHEEP	DIG PROT	% *	0.8	0.8		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.10	2.28		
SHEEP	ME	MCAL/KG *	1.73	1.87		
SHEEP		TDN % *	47.7	51.7		
CALCIUM		%	0.79	0.86		1
PHOSPHORUS		%	0.06	0.07		1
GLYCINE MAX, PODS, S-C, (1)						
REF NO 1-04-563						
DRY MATTER		%	86.7	100.0		1
ORGANIC MATTER		%	82.9	95.6		1
ASH		%	3.8	4.4		1
CRUDE FIBER		%	33.2	38.3		1
ETHER EXTRACT		%	2.3	2.7		1
NITROGEN FREE EXTRACT		%	41.5	47.9		1
PROTEIN		%	5.8	6.7		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	DIG PROT % *	2.4	2.7	
GOATS	DIG PROT % *	2.4	2.8	
HORSES	DIG PROT % *	2.8	3.2	
RABBITS	DIG PROT % *	3.3	3.8	
SHEEP	DIG PROT % *	2.2	2.6	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.14	2.46	
HORSES	DE MCAL/KG *	1.57	1.81	
SHEEP	DE MCAL/KG *	2.03	2.34	
CATTLE	ME MCAL/KG *	1.75	2.02	
HORSES	ME MCAL/KG *	1.29	1.48	
SHEEP	ME MCAL/KG *	1.66	1.92	
CATTLE	NE-M MCAL/KG *	1.03	1.19	
CATTLE	NE-GAIN MCAL/KG *	0.44	0.51	
CATTLE	NE-LACTATION MCAL/KG *	1.05	1.21	
CATTLE	TDN % *	48.4	55.9	
HORSES	TDN % *	38.9	44.8	
SHEEP	TDN % *	46.0	53.0	

GLYCINE MAX, STEMS, (1)

REF NO 1-04-565

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.9	
ASH	%		5.1	1
CRUDE FIBER	%		37.8	1
ETHER EXTRACT	%		5.1	1
NITROGEN FREE EXTRACT	%		39.9	1
PROTEIN	%		12.1	1
CATTLE	DIG PROT % *		7.4	
GOATS	DIG PROT % *		7.9	
HORSES	DIG PROT % *		7.8	
RABBITS	DIG PROT % *		8.0	
SHEEP	DIG PROT % *		7.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.27	
HORSES	DE MCAL/KG *		1.72	
SHEEP	DE MCAL/KG *		2.34	
CATTLE	ME MCAL/KG *		1.86	
HORSES	ME MCAL/KG *		1.41	
SHEEP	ME MCAL/KG *		1.92	
CATTLE	NE-M MCAL/KG *		1.10	
CATTLE	NE-GAIN MCAL/KG *		0.34	
CATTLE	NE-LACTATION MCAL/KG *		1.06	
CATTLE	TDN % *		51.4	
HORSES	TDN % *		42.5	
SHEEP	TDN % *		53.2	
CALCIUM	%		0.82	1
PHOSPHORUS	%		0.18	1

GLYCINE MAX, STRAW, (1)

REF NO 1-04-567

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.9	
ASH	%		4.1	1
CRUDE FIBER	%		54.1	1
ETHER EXTRACT	%		1.5	1
NITROGEN FREE EXTRACT	%		35.5	1
PROTEIN	%		4.8	1
CATTLE	DIG PROT % *		1.1	
GOATS	DIG PROT % *		1.0	
HORSES	DIG PROT % *		1.6	
RABBITS	DIG PROT % *		2.4	
SHEEP	DIG PROT % *		0.8	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		2.28	
SHEEP	ME MCAL/KG *		1.87	
SHEEP	TDN % *		51.7	
CALCIUM	%		0.86	1
PHOSPHORUS	%		0.07	1

GLYCINE MAX, AERIAL PART, FRESH, (2)

REF NO 2-04-574

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	26.9	100.0	2
ORGANIC MATTER	%	24.7	91.9	1
ASH	%	2.3	8.5	3
CRUDE FIBER	%	6.9	25.5	3
ETHER EXTRACT	%	0.9	3.3	3
NITROGEN FREE EXTRACT	%	13.0	48.3	3
PROTEIN	%	3.9	14.4	3
CATTLE	DIG PROT % *	2.7	10.2	
GOATS	DIG PROT % *	2.7	10.0	
HORSES	DIG PROT % *	2.6	9.8	
RABBITS	DIG PROT % *	2.6	9.8	
SHEEP	DIG PROT % *	2.8	10.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.83	3.07	
SHEEP	DE MCAL/KG *	0.76	2.83	
CATTLE	ME MCAL/KG *	0.68	2.52	
SHEEP	ME MCAL/KG *	0.62	2.32	
CATTLE	NE-M MCAL/KG *	0.41	1.53	
CATTLE	NE-GAIN MCAL/KG *	0.26	0.96	
CATTLE	NE-LACTATION MCAL/KG *	0.45	1.68	
CATTLE	TDN % *	18.7	69.7	
SHEEP	TDN % *	17.3	64.2	
CALCIUM	%	0.44	1.63	2
IRON	%	0.005	0.020	1
PHOSPHORUS	%	0.07	0.25	2

GLYCINE MAX, LEAVES, FRESH, (2)

REF NO 2-04-575

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.9	
ASH	%		11.1	2
CRUDE FIBER	%		24.0	2
ETHER EXTRACT	%		2.1	2
NITROGEN FREE EXTRACT	%		56.2	2
PROTEIN	%		6.6	2
CATTLE	DIG PROT % *		3.5	
GOATS	DIG PROT % *		2.7	
HORSES	DIG PROT % *		3.1	
RABBITS	DIG PROT % *		3.7	
SHEEP	DIG PROT % *		3.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.83	
SHEEP	DE MCAL/KG *		2.73	
CATTLE	ME MCAL/KG *		2.32	
SHEEP	ME MCAL/KG *		2.24	
CATTLE	NE-M MCAL/KG *		1.39	
CATTLE	NE-GAIN MCAL/KG *		0.80	
CATTLE	NE-LACTATION MCAL/KG *		1.49	
CATTLE	TDN % *		64.1	
SHEEP	TDN % *		61.9	
CALCIUM	%		3.52	2
PHOSPHORUS	%		0.16	2

GLYCINE MAX, PODS, FRESH, (2)

REF NO 2-04-576

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		93.8	
ASH	%		6.2	1
CRUDE FIBER	%		39.5	1
ETHER EXTRACT	%		0.7	1
NITROGEN FREE EXTRACT	%		46.6	1
PROTEIN	%		7.0	1
CATTLE	DIG PROT % *		3.8	
GOATS	DIG PROT % *		3.1	
HORSES	DIG PROT % *		3.5	
RABBITS	DIG PROT % *		4.1	
SHEEP	DIG PROT % *		3.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.40	
SHEEP	DE MCAL/KG *		2.38	
CATTLE	ME MCAL/KG *		1.97	
SHEEP	ME MCAL/KG *		1.95	
CATTLE	NE-M MCAL/KG *		1.16	
CATTLE	NE-GAIN MCAL/KG *		0.46	
CATTLE	NE-LACTATION MCAL/KG *		1.16	
CATTLE	TDN % *		54.4	
SHEEP	TDN % *		54.1	

GLYCINE MAX, FLOUR, SOLV EXTD GRND FINE
SIFTED, MX 38 FIBER, (5)
SOLVENT EXTRACTED SOY FLOUR (AAFCO)
SOLVENT EXTRACTED SOY GRITS (AAFCO)

REF NO 5-04-593

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	90.0	100.0	1
ORGANIC MATTER	%	81.8	90.9	1
ASH	%	8.2	9.1	1
CRUDE FIBER	%	3.7	4.1	1
ETHER EXTRACT	%	1.8	2.0	1
NITROGEN FREE EXTRACT	%	25.6	28.4	1
PROTEIN	%	50.7	56.3	1
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.14	3.49	
SHEEP	DE MCAL/KG *	3.04	3.37	
CATTLE	ME MCAL/KG *	2.58	2.86	
SHEEP	ME MCAL/KG *	2.49	2.77	
CATTLE	NE-M MCAL/KG *	1.65	1.83	
CATTLE	NE-GAIN MCAL/KG *	1.10	1.22	
CATTLE	NE-LACTATION MCAL/KG *	1.81	2.01	
CATTLE	TDN % *	71.3	79.2	
SHEEP	TDN % *	68.9	76.5	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GLYCINE MAX, SEEDS, (5)						
REF NO 5-04-610						
DRY MATTER		%	87.9	100.0	9	98
ORGANIC MATTER		%	85.8	97.6	23	4
ASH		%	5.1	5.8	23	33
CRUDE FIBER		%	5.5	6.2	48	32
ETHER EXTRACT		%	22.3	25.3	73	98
NITROGEN FREE EXTRACT		%	19.5	22.2	27	31
PROTEIN		%	35.6	40.5	83	98
SUGARS, TOTAL		%	26.1	29.7		1
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	3.99	4.54		
SHEEP	ME MCAL/KG	*	3.28	3.72		
SHEEP	TDN %	*	90.6	103.0		
CALCIUM		%	0.27	0.31	33	4
COPPER		MG/KG	18.9	21.5		2
IRON		%	0.015	0.017	98	4
MAGNESIUM		%	0.19	0.22		2
MANGANESE		MG/KG	29.9	34.0		2
PHOSPHORUS		%	0.49	0.56	21	5
POTASSIUM		%	1.22	1.39		2
ZINC		MG/KG	40.0	45.5		2
ASCORBIC ACID		MG/KG	8.2	9.3		1
NIACIN		MG/KG	18.1	20.5		1
RIBOFLAVIN		MG/KG	2.6	3.0		1
THIAMINE		MG/KG	3.8	4.3		1
ALANINE		%	1.56	1.78		2
ARGININE		%	2.44	2.78		2
ASPARTIC ACID		%	4.38	4.99		2
GLUTAMIC ACID		%	7.48	8.51		2
GLYCINE		%	1.52	1.73		2
HISTIDINE		%	0.85	0.97		2
ISOLEUCINE		%	1.42	1.62		2
LEUCINE		%	1.71	1.95		2
LYSINE		%	1.90	2.16		2
METHIONINE		%	0.39	0.45		2
PHENYLALANINE		%	1.65	1.88		2
PROLINE		%	1.81	2.06		2
SERINE		%	2.42	2.75		2
THREONINE		%	1.54	1.76		2
TYROSINE		%	1.65	1.88		2
VALINE		%	1.77	2.01		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GLYCINE MAX, SEEDS, COOKED PREPRESSED SOLV EXTD GRND, (5)						
REF NO 5-13-204						
DRY MATTER		%	90.6	100.0	1	98
ORGANIC MATTER		%	58.3	64.3		
ASH		%	32.3	35.7		1
CRUDE FIBER		%	5.4	6.0	26	98
ETHER EXTRACT		%	1.1	1.2	54	98
NITROGEN FREE EXTRACT		%	2.7	3.0		1
PROTEIN		%	49.1	54.2	2	98
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	1.40	1.54		
SHEEP	ME MCAL/KG	*	1.15	1.27		
SHEEP	TDN %	*	31.7	35.0		
GLYCINE MAX, SEEDS, COOKED PREPRESSED SOLV EXTD GRND CAKED, (5)						
REF NO 5-13-207						
DRY MATTER		%	90.1	100.0		3
CRUDE FIBER		%	5.5	6.1		3
ETHER EXTRACT		%	0.9	1.0		3
PROTEIN		%	48.4	53.8		3
GLYCINE MAX, SEEDS, FERTILIZED, (5)						
REF NO 5-13-645						
DRY MATTER		%	91.0	100.0	1	59
ETHER EXTRACT		%	19.9	21.9	17	59
PROTEIN		%	36.5	40.2	8	59
GLYCINE MAX, SEEDS, GRND, (5) GROUND SOYBEANS (AAFCO)						
REF NO 5-04-596						
DRY MATTER		%	91.3	100.0	2	14
ORGANIC MATTER		%	86.0	94.1	36	6
ASH		%	6.2	6.8	36	18
CRUDE FIBER		%	6.3	6.9	68	18
ETHER EXTRACT		%	18.3	20.1	34	18
NITROGEN FREE EXTRACT		%	21.5	23.6	32	17
PROTEIN		%	39.0	42.7	13	19
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.66	4.01		
SHEEP	DE MCAL/KG	*	3.93	4.30		
CATTLE	ME MCAL/KG	*	3.00	3.29		
SHEEP	ME MCAL/KG	*	3.22	3.53		
CATTLE	NE-M MCAL/KG	*	2.08	2.27		
CATTLE	NE-GAIN MCAL/KG	*	1.35	1.48		
CATTLE	NE-LACTATION MCAL/KG	*	2.21	2.42		
CATTLE	TDN %	*	83.1	91.0		
SHEEP	TDN %	*	89.1	97.6		
CALCIUM		%	0.32	0.35	37	8
IRON		%	0.013	0.014		2
PHOSPHORUS		%	0.52	0.57	20	8
GLYCINE MAX, SEEDS, HEAT PROCESSED GRND, (5) HEAT PROCESSED SOYBEANS (CFA) HEAT PROCESSED SOYBEANS (AAFCO)						
REF NO 5-04-597						
DRY MATTER		%	90.9	100.0		3
ORGANIC MATTER		%	85.4	93.9		
ASH		%	5.5	6.1		3
CRUDE FIBER		%	7.5	8.3		3
ETHER EXTRACT		%	10.7	11.8		3
NITROGEN FREE EXTRACT		%	36.5	40.1		3
PROTEIN		%	30.7	33.8		3
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.14	3.45		
SHEEP	DE MCAL/KG	*	3.66	4.03		
CATTLE	ME MCAL/KG	*	2.57	2.83		
SHEEP	ME MCAL/KG	*	3.01	3.31		
CATTLE	NE-M MCAL/KG	*	1.64	1.80		
CATTLE	NE-GAIN MCAL/KG	*	1.09	1.20		
CATTLE	NE-LACTATION MCAL/KG	*	1.80	1.98		
CATTLE	TDN %	*	71.2	78.3		
SHEEP	TDN %	*	83.1	91.4		
PHOSPHORUS		%	0.39	0.43		1
GLYCINE MAX, SEEDS, MECH EXTD GRND, (5) SOYBEAN MEAL (CFA)						
REF NO 5-04-601						
DRY MATTER		%	92.6	100.0	3	69
ORGANIC MATTER		%	87.0	94.0	35	2
ASH		%	6.9	7.5	35	57
CRUDE FIBER		%	5.6	6.0	27	15
ETHER EXTRACT		%	5.6	6.1	46	31
NITROGEN FREE EXTRACT		%	27.0	29.1	14	14
PROTEIN		%	47.5	51.3	6	67
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.28	3.55		
SHEEP	DE MCAL/KG	*	3.43	3.71		
CATTLE	ME MCAL/KG	*	2.69	2.91		
SHEEP	ME MCAL/KG	*	2.82	3.04		
CATTLE	NE-M MCAL/KG	*	1.73	1.87		
CATTLE	NE-GAIN MCAL/KG	*	1.16	1.25		
CATTLE	NE-LACTATION MCAL/KG	*	1.90	2.06		
CATTLE	TDN %	*	74.5	80.5		
SHEEP	TDN %	*	77.9	84.2		
CALCIUM		%	0.85	0.91	85	5
COPPER		MG/KG	184.2	199.0		1
IRON		%	0.027	0.029		1
MAGNESIUM		%	0.36	0.39		1
MANGANESE		MG/KG	50.0	54.0		1
PHOSPHORUS		%	0.68	0.73	29	5
POTASSIUM		%	3.03	3.27		2
SODIUM		%	0.16	0.17		1
GLYCINE MAX, SEEDS, MECH EXTD GRND, MX 7% FIBER, (5) SOYBEAN MEAL, MECHANICAL EXTRACTED (AAFCO) SOYBEAN MEAL, EXPELLER EXTRACTED SOYBEAN MEAL, HYDRAULIC EXTRACTED SOYBEAN OIL MEAL, EXPELLER EXTRACTED SOYBEAN OIL MEAL, HYDRAULIC EXTRACTED						
REF NO 5-04-600						
DRY MATTER		%	90.8	100.0	2	36
ORGANIC MATTER		%	84.6	93.1	12	1
ASH		%	6.5	7.1	12	14
SHEEP	DIG COEF	%	16.	16.		
CRUDE FIBER		%	5.5	6.1	20	35
CATTLE	DIG COEF	%	72.	72.		1
SHEEP	DIG COEF	%	65.	65.		2
ETHER EXTRACT		%	4.1	4.5	41	15
CATTLE	DIG COEF	%	84.	84.		1
SHEEP	DIG COEF	%	80.	80.		2
NITROGEN FREE EXTRACT		%	27.0	29.8	7	14
CATTLE	DIG COEF	%	88.	88.		1
SHEEP	DIG COEF	%	89.	89.		2
PROTEIN		%	47.7	52.6	5	39
CATTLE	DIG COEF	%	85.	85.		1
SHEEP	DIG COEF	%	87.	87.		2
CATTLE	DIG PROT	%	40.6	44.7		
SHEEP	DIG PROT	%	(41.3)	(45.5)		
PENTOSANS		%	5.7	6.2		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ENERGY	GE	KCAL/KG	1994.	2195.		1
CATTLE	DE	MCAL/KG *	3.35	3.69		
SHEEP	DE	MCAL/KG *	3.36	3.70		
SWINE	DE	KCAL/KG *	3555.	3914.		
CATTLE	ME	MCAL/KG *	2.75	3.03		
CHICKENS	ME-N	KCAL/KG	2441.	2688.		2
SHEEP	ME	MCAL/KG *	2.75	3.03		
SWINE	ME	KCAL/KG	3052.	3360.		1
CATTLE	NE-M	MCAL/KG *	1.81	1.99		
CATTLE	NE-GAIN	MCAL/KG *	1.20	1.33		
CATTLE	NE-LACTATION	MCAL/KG *	(1.97)	(2.17)		
CHICKENS	PRODUCTIVE	KCAL/KG	1531.	1685.		2
CATTLE		TDN %	76.1	83.7		1
SHEEP		TDN %	76.1	83.8		2
SWINE		TDN %	(80.6)	(88.8)		1
CALCIUM		%	(0.27)	(0.30)	10	9
CHLORINE		%	(0.07)	(0.08)		2
COBALT		MG/KG	(0.156)	(0.172)		1
COPPER		MG/KG	(24.5)	(26.9)		3
IODINE		MG/KG	(0.130)	(0.143)		1
IRON		%	(0.014)	(0.016)		3
MAGNESIUM		%	(0.26)	(0.29)		3
MANGANESE		MG/KG	(30.9)	(34.0)	7	4
PHOSPHORUS		%	(0.61)	(0.67)	7	9
CHICKENS, CHICKS AVAILABLE		%	(0.19)	(0.21)		1
POTASSIUM		%	(1.84)	(2.02)		3
SELENIUM		MG/KG	(0.102)	(0.112)		1
SODIUM		%	(0.28)	(0.30)		3
SULPHUR		%	(0.33)	(0.37)		2
ZINC		MG/KG	(60.2)	(66.3)		1
A-TOCOPHEROL		MG/KG	(6.1)	(6.7)		2
BIOTIN		MG/KG	(0.33)	(0.36)		2
CHOLINE		MG/KG	(2716.)	(2990.)	7	5
FOLIC ACID		MG/KG	(4.45)	(4.90)		3
NIACIN		MG/KG	(32.5)	(35.8)	8	5
PANTOTHENIC ACID		MG/KG	(14.9)	(16.4)	3	5
RIBOFLAVIN		MG/KG	(3.7)	(4.1)	11	5
THIAMINE		MG/KG	3.2	3.5		3
VITAMIN A EQUIV		IU/G	(0.4)	(0.4)		
ARGININE		%	(2.97)	(3.27)	11	5
CYSTEINE		%	(1.01)	(1.11)		1
CYSTINE		%	(0.63)	(0.69)	4	5
GLUTAMIC ACID		%	(7.54)	(8.30)		2
GLYCINE		%	(2.39)	(2.63)	4	5
HISTIDINE		%	(1.11)	(1.22)		3
ISOLEUCINE		%	(2.83)	(3.11)		3
LEUCINE		%	(3.62)	(3.98)		2
LYSINE		%	(2.79)	(3.07)	3	5
METHIONINE		%	(0.67)	(0.74)	12	5
PHENYLALANINE		%	(2.12)	(2.34)		3
SERINE		%	(2.03)	(2.23)		1
THREONINE		%	(1.72)	(1.89)		3
TRYPTOPHAN		%	(0.60)	(0.67)	5	5
TYROSINE		%	(1.41)	(1.55)		2
VALINE		%	2.22	2.45		3

GLYCINE MAX, SEEDS, MECH EXTD GRND CAKED, (5)
SOYBEAN CAKE (CFA)

REF NO 5-04-598

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	84.6	100.0	25	11
ORGANIC MATTER		%	78.9	93.2	18	4
ASH		%	6.2	7.4	18	12
CRUDE FIBER		%	5.7	6.7	80	13
ETHER EXTRACT		%	3.9	4.6	36	12
NITROGEN FREE EXTRACT		%	27.9	32.9	28	11
PROTEIN		%	41.0	48.4	11	13
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.97	3.50		
SHEEP	DE	MCAL/KG *	3.07	3.63		
CATTLE	ME	MCAL/KG *	2.43	2.87		
SHEEP	ME	MCAL/KG *	2.52	2.98		
CATTLE	NE-M	MCAL/KG *	1.56	1.84		
CATTLE	NE-GAIN	MCAL/KG *	1.04	1.23		
CATTLE	NE-LACTATION	MCAL/KG *	1.71	2.02		
CATTLE		TDN % *	67.3	79.5		
SHEEP		TDN % *	69.7	82.3		
CALCIUM		%	0.30	0.35		2
COPPER		MG/KG	15.2	18.0		1
IRON		%	0.019	0.022		1
MAGNESIUM		%	0.21	0.25		1
MANGANESE		MG/KG	35.6	42.0		1
PHOSPHORUS		%	0.54	0.64		2
POTASSIUM		%	1.54	1.82		1
ZINC		MG/KG	47.4	56.0		1
NIACIN		MG/KG	18.4	19.3		1
RIBOFLAVIN		MG/KG	3.7	4.4		1
THIAMINE		MG/KG	4.7	5.5		1
ALANINE		%	1.89	2.23		1
ARGININE		%	2.84	3.35		1
ASPARTIC ACID		%	4.98	5.88		1
GLUTAMIC ACID		%	8.94	10.56		1
GLYCINE		%	1.83	2.16		1
HISTIDINE		%	0.97	1.15		1
ISOLEUCINE		%	1.74	2.06		1
LEUCINE		%	2.84	3.35		1
LYSINE		%	2.35	2.78		1
METHIONINE		%	0.48	0.57		1
PHENYLALANINE		%	2.19	2.59		1
PROLINE		%	2.15	2.54		1
SERINE		%	2.98	3.52		1
THREONINE		%	1.61	1.90		1
TYROSINE		%	1.32	1.56		1
VALINE		%	2.12	2.50		1

GLYCINE MAX, SEEDS, MECH EXTD TOASTED GRND, (5)

REF NO 5-10-495

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.3	100.0	1	10
ORGANIC MATTER		%	85.5	93.6		
ASH		%	5.8	6.4	16	10
CRUDE FIBER		%	4.7	5.1	32	4
ETHER EXTRACT		%	7.4	8.1	17	4
NITROGEN FREE EXTRACT		%	29.8	32.7	42	4
PROTEIN		%	43.5	47.7	25	10
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.38	3.70		
SHEEP	DE	MCAL/KG *	3.59	3.93		
CATTLE	ME	MCAL/KG *	2.77	3.04		
SHEEP	ME	MCAL/KG *	2.94	3.23		
CATTLE	NE-M	MCAL/KG *	1.82	2.00		
CATTLE	NE-GAIN	MCAL/KG *	1.21	1.33		
CATTLE	NE-LACTATION	MCAL/KG *	1.99	2.18		
CATTLE		TDN % *	76.6	83.9		
SHEEP		TDN % *	81.4	89.2		
CALCIUM		%	0.60	0.65		1
PHOSPHORUS		%	0.65	0.72		1

GLYCINE MAX, SEEDS, PREPRESSED SOLV EXTD GRND CAKED, (5)

REF NO 5-17-601

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.7	100.0	2	98
ORGANIC MATTER		%	84.6	93.3	10	98
ASH		%	6.1	6.8	10	98
CRUDE FIBER		%	6.4	7.1	20	98
ETHER EXTRACT		%	3.5	3.9	52	98
NITROGEN FREE EXTRACT		%	25.9	28.6	6	98
PROTEIN		%	48.7	53.7	4	98
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.14	3.46		
SHEEP	DE	MCAL/KG *	3.27	3.60		
CATTLE	ME	MCAL/KG *	2.57	2.83		
SHEEP	ME	MCAL/KG *	2.68	2.95		
CATTLE	NE-M	MCAL/KG *	1.64	1.80		
CATTLE	NE-GAIN	MCAL/KG *	1.09	1.20		
CATTLE	NE-LACTATION	MCAL/KG *	1.80	1.98		
CATTLE		TDN % *	71.1	78.4		
SHEEP		TDN % *	74.1	81.7		
CALCIUM		%	0.36	0.40	98	98
PHOSPHORUS		%	(0.78)	(0.86)	9	98

GLYCINE MAX, SEEDS, SOLV EXTD GRND, (5)
SOYBEAN MEAL (CFA)

REF NO 5-04-605

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(90.8)	(100.0)	3	98
ORGANIC MATTER		%	84.4	93.0	22	9
ASH		%	6.6	7.2	22	93
CRUDE FIBER		%	5.6	6.1	47	99
ETHER EXTRACT		%	1.4	1.6	98	98
NITROGEN FREE EXTRACT		%	30.0	33.1	15	84
PROTEIN		%	47.2	52.0	9	98
ENERGY	GE	KCAL/KG	4286.	4721.		1
CATTLE	DE	MCAL/KG *	3.21	3.53		
SHEEP	DE	MCAL/KG *	3.14	3.46		
CATTLE	ME	MCAL/KG *	2.63	2.90		
SHEEP	ME	MCAL/KG *	2.57	2.83		
CATTLE	NE-M	MCAL/KG *	1.69	1.86		
CATTLE	NE-GAIN	MCAL/KG *	1.13	1.24		
CATTLE	NE-LACTATION	MCAL/KG *	1.85	2.04		
CATTLE		TDN % *	72.7	80.1		
SHEEP		TDN % *	71.1	78.4		
CALCIUM		%	0.35	0.39	25	24
COPPER		MG/KG	20.2	22.3	12	4
IRON		%	0.033	0.036	23	4
MAGNESIUM		%	0.24	0.26	4	4
MANGANESE		MG/KG	42.4	46.8	12	4
PHOSPHORUS		%	0.54	0.60	36	25
POTASSIUM		%	1.66	1.83	2	4
ZINC		MG/KG	52.2	57.5	4	4
ALANINE		%	1.99	2.19	7	8
ARGININE		%	3.52	3.88	24	10
ASPARTIC ACID		%	5.11	5.63	8	6
CYSTINE		%	0.91	1.00		3
GLUTAMIC ACID		%	9.44	10.40	8	7
GLYCINE		%	2.08	2.29	19	8
HISTIDINE		%	1.54	1.70	59	10
ISOLEUCINE		%	(2.12)	(2.33)	18	10

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
LEUCINE	%	3.45	3.80	14	10
LYSINE	%	2.78	3.06	22	12
METHIONINE	%	0.54	0.59	29	11
PHENYLALANINE	%	2.41	2.65	10	9
PROLINE	%	2.43	2.68	9	5
SERINE	%	(3.04)	(3.35)	15	8
THREONINE	%	1.92	2.11	15	10
TRYPTOPHAN	%	0.51	0.56	37	5
TYROSINE	%	1.62	1.78	16	9
VALINE	%	2.50	2.75	17	10

GLYCINE MAX, SEEDS, SOLV EXTD GRND, MX 7% FIBER, (5)
SOYBEAN MEAL, SOLVENT EXTRACTED (AAFCO)
SOYBEAN MEAL, SOLVENT EXTRACTED
SOYBEAN OIL MEAL, SOLVENT EXTRACTED

REF NO 5-04-604

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.0	100.0	1	69
ORGANIC MATTER		%	(84.1)	(93.5)	10	43
ASH		%	(6.0)	(6.6)	10	52
SHEEP	DIG COEF	%	(6.)	(6.)		
CRUDE FIBER		%	(4.9)	(5.5)	39	60
CATTLE	DIG COEF	%	(57.)	(57.)		1
SHEEP	DIG COEF	%	(101.)	(101.)		1
SWINE	DIG COEF	%	(83.)	(83.)		1
ETHER EXTRACT		%	(1.0)	(1.1)	64	60
CATTLE	DIG COEF	%	(38.)	(38.)		1
SHEEP	DIG COEF	%	(52.)	(52.)		1
SWINE	DIG COEF	%	(58.)	(58.)		1
NITROGEN FREE EXTRACT		%	(33.2)	(36.9)	9	55
CATTLE	DIG COEF	%	(91.)	(91.)		1
SHEEP	DIG COEF	%	(96.)	(96.)		1
SWINE	DIG COEF	%	(91.)	(91.)		1
PROTEIN		%	(45.0)	(49.9)	6	60
CATTLE	DIG COEF	%	(90.)	(90.)		1
SHEEP	DIG COEF	%	(94.)	(94.)		1
SWINE	DIG COEF	%	(91.)	(91.)		1
CATTLE	DIG PROT	%	(40.5)	(45.0)		
SHEEP	DIG PROT	%	(42.3)	(47.0)		
SWINE	DIG PROT	%	40.9	45.5		
SUGARS, TOTAL		%	(34.5)	(38.3)	9	39
FATTY ACIDS		%				
LINOLEIC		%	(0.405)	(0.449)		1
ENERGY	GE KCAL/KG		(3039.)	(3376.)		2
CATTLE	DE MCAL/KG	*	(3.28)	(3.64)		
SHEEP	DE MCAL/KG	*	(3.54)	(3.93)		
SWINE	DE KCAL/KG	*	(3372.)	(3746.)		
CATTLE	ME MCAL/KG	*	(2.69)	(2.98)		
CHICKENS	ME-N KCAL/KG		(2250.)	(2500.)		5
SHEEP	ME MCAL/KG	*	(2.90)	(3.22)		
SWINE	ME KCAL/KG		(2838.)	(3153.)		1
CATTLE	NE-M MCAL/KG	*	(1.75)	(1.95)		
CATTLE	NE-GAIN MCAL/KG	*	(1.17)	(1.30)		
CATTLE	NE-LACTATION MCAL/KG	*	(1.91)	(2.13)		
CHICKENS	PRODUCTIVE KCAL/KG		(1364.)	(1516.)		3
CATTLE	TDN	%	(74.3)	(82.6)		1
SHEEP	TDN	%	(80.2)	(89.1)		1
SWINE	TDN	%	76.5	85.0		2
CALCIUM		%	(0.35)	(0.39)	37	42
CHLORINE		%	(0.05)	(0.06)		2
COBALT		MG/KG	(0.093)	(0.104)		1
COPPER		MG/KG	(21.7)	(24.1)		3
IRON		%	(0.013)	(0.014)		3
MAGNESIUM		%	(0.27)	(0.30)	1	4
MANGANESE		MG/KG	29.6	32.8	13	4
PHOSPHORUS		%	(0.65)	(0.72)	24	42
CHICKENS, CHICKS AVAILABLE		%	(0.25)	(0.28)		2
POTASSIUM		%	(2.02)	(2.24)	5	5
SELENIUM		MG/KG	(0.100)	(0.112)		1
SODIUM		%	(0.26)	(0.29)	64	4
SULPHUR		%	(0.43)	(0.48)		2
ZINC		MG/KG	(27.3)	(30.3)		1
A-TOCOPHEROL		MG/KG	(2.1)	(2.3)	60	4
BIOTIN		MG/KG	(0.32)	(0.36)		2
CHOLINE		MG/KG	(2819.)	(3132.)	2	7
FOLIC ACID		MG/KG	1.32	1.47	98	4
NIACIN		MG/KG	(30.0)	(33.3)	42	9
PANTOTHENIC ACID		MG/KG	(16.0)	(17.8)	19	45
RIBOFLAVIN		MG/KG	(2.9)	(3.2)	18	22
THIAMINE		MG/KG	(4.5)	(5.0)	57	5
VITAMIN B6		MG/KG	(8.09)	(8.99)		1
VITAMIN A		IU/G	(0.3)	(0.3)		1
VITAMIN A EQUIV		IU/G	(0.4)	(0.4)		
ALANINE		%	2.15	2.39		2
ARGININE		%	3.32	3.69	2	10
ASPARTIC ACID		%	(5.74)	(6.38)		2
CYSTINE		%	0.70	0.78	9	5
GLUTAMIC ACID		%	(8.71)	(9.68)	6	4
GLYCINE		%	2.31	2.57	9	7
HISTIDINE		%	(1.18)	(1.31)	7	7
ISOLEUCINE		%	2.37	2.63	7	7
LEUCINE		%	(3.55)	(3.95)	5	6
LYSINE		%	(2.94)	(3.27)	3	10
METHIONINE		%	0.59	0.66	13	10
PHENYLALANINE		%	(2.27)	(2.52)	3	7
PROLINE		%	(2.56)	(2.84)		2
SERINE		%	2.48	2.75		3
THREONINE		%	(1.80)	(1.99)	6	7
TRYPTOPHAN		%	0.63	0.70	10	8
TYROSINE		%	1.30	1.44	25	5
VALINE		%	2.36	2.63	4	7

GLYCINE MAX, SEEDS, SOLV EXTD GRND CAKED, (5)

REF NO 5-10-290

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.5	100.0	2	16
ORGANIC MATTER		%	82.7	93.4	17	14
ASH		%	7.0	7.9	17	29
CRUDE FIBER		%	4.7	5.3	30	29
ETHER EXTRACT		%	1.1	1.2	31	29
NITROGEN FREE EXTRACT		%	27.8	31.4	17	29
PROTEIN		%	47.9	54.2	8	29
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.12	3.53		
SHEEP	DE MCAL/KG	*	3.01	3.40		
CATTLE	ME MCAL/KG	*	2.56	2.89		
SHEEP	ME MCAL/KG	*	2.47	2.79		
CATTLE	NE-M MCAL/KG	*	1.65	1.86		
CATTLE	NE-GAIN MCAL/KG	*	1.10	1.24		
CATTLE	NE-LACTATION MCAL/KG	*	1.81	2.04		
CATTLE	TDN	% *	70.9	80.0		
SHEEP	TDN	% *	68.2	77.1		
CALCIUM		%	0.27	0.31	26	4
COPPER		MG/KG	15.1	17.0		1
IRON		%	0.014	0.016	71	4
MAGNESIUM		%	0.22	0.25		1
MANGANESE		MG/KG	39.0	44.0		1
PHOSPHORUS		%	0.98	1.11	73	4
POTASSIUM		%	1.61	1.82		1
ZINC		MG/KG	50.5	57.0		1
ALANINE		%	1.86	2.10		1
ARGININE		%	3.27	3.69		1
ASPARTIC ACID		%	5.06	5.72		1
GLUTAMIC ACID		%	9.05	10.22		1
GLYCINE		%	1.89	2.14		1
HISTIDINE		%	1.29	1.46		1
ISOLEUCINE		%	1.80	2.03		1
LEUCINE		%	2.95	3.33		1
LYSINE		%	2.51	2.84		1
METHIONINE		%	0.58	0.65		1
PHENYLALANINE		%	2.29	2.59		1
PROLINE		%	2.35	2.65		1
SERINE		%	3.04	3.43		1
THREONINE		%	1.74	1.96		1
TYROSINE		%	1.43	1.61		1
VALINE		%	2.09	2.36		1

GLYCINE MAX, SEEDS, SOLV EXTD GRND PELLETED, (5)
SOYBEAN MEAL, SOLVENT EXTRACTED, PELLETED
SOYBEAN OIL MEAL, SOLVENT EXTRACTED, PELLETED

REF NO 5-04-606

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.7	100.0		1
CRUDE FIBER	%	5.4	5.7		1
ETHER EXTRACT	%	0.6	0.6		1
PROTEIN	%	48.3	51.0		1

GLYCINE MAX, SEEDS, SOLV EXTD TOASTED GRND, (5)
SOYBEAN MEAL, SOLVENT EXTRACTED, TOASTED
SOYBEAN OIL MEAL, SOLVENT EXTRACTED, TOASTED

REF NO 5-04-607

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.6	100.0	2	4
ORGANIC MATTER		%	85.5	93.4	20	3
ASH		%	6.7	7.3	20	4
CRUDE FIBER		%	3.7	4.1	31	4
ETHER EXTRACT		%	2.2	2.5	80	4
NITROGEN FREE EXTRACT		%	30.8	33.6	11	4
PROTEIN		%	48.2	52.6	3	4
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.42	3.73		
SHEEP	DE MCAL/KG	*	3.26	3.56		
CATTLE	ME MCAL/KG	*	2.80	3.06		
SHEEP	ME MCAL/KG	*	2.67	2.92		
CATTLE	NE-M MCAL/KG	*	1.85	2.02		
CATTLE	NE-GAIN MCAL/KG	*	1.23	1.35		
CATTLE	NE-LACTATION MCAL/KG	*	2.01	2.20		
CATTLE	TDN	% *	77.5	84.7		
SHEEP	TDN	% *	73.8	80.7		
CALCIUM		%	0.34	0.37		1
PHOSPHORUS		%	0.59	0.64		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GLYCINE MAX, SEEDS W HULLS, (5)						
REF NO 5-13-698						
DRY MATTER		%	92.1	100.0		3
ORGANIC MATTER		%	87.3	94.8		
ASH		%	4.8	5.2		3
CRUDE FIBER		%	13.7	14.8		3
ETHER EXTRACT		%	15.1	16.4		3
NITROGEN FREE EXTRACT		%	22.0	23.9		3
PROTEIN		%	36.6	39.7		3
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.63	3.94		
SHEEP	DE	MCAL/KG *	3.69	4.01		
CATTLE	ME	MCAL/KG *	2.97	3.23		
SHEEP	ME	MCAL/KG *	3.03	3.29		
CATTLE	NE-M	MCAL/KG *	2.03	2.21		
CATTLE	NE-GAIN	MCAL/KG *	1.33	1.44		
CATTLE	NE-LACTATION	MCAL/KG *	2.17	2.36		
CATTLE	TDN	% *	82.3	89.4		
SHEEP	TDN	% *	83.8	91.0		
ALANINE		%	1.69	1.84		1
ARGININE		%	2.24	2.43		1
CYSTINE		%	0.49	0.53		1
GLYCINE		%	1.33	1.44		1
HISTIDINE		%	1.55	1.68		1
ISOLEUCINE		%	1.77	1.92		1
LEUCINE		%	3.06	3.32		1
LYSINE		%	2.11	2.29		1
METHIONINE		%	0.28	0.30		1
PHENYLALANINE		%	2.21	2.40		1
PROLINE		%	2.00	2.17		1
SERINE		%	1.66	1.80		1
THREONINE		%	1.41	1.53		1
TRYPTOPHAN		%	0.28	0.30		1
TYROSINE		%	2.72	2.95		1
VALINE		%	1.98	2.15		1

GLYCINE MAX, SEEDS W HULLS, MECH EXTD GRND, (5)

REF NO 5-13-525

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.6	100.0		3
ORGANIC MATTER		%	75.4	85.1		1
ASH		%	11.9	13.4		3
CRUDE FIBER		%	14.9	16.8		3
ETHER EXTRACT		%	8.7	9.8		3
NITROGEN FREE EXTRACT		%	29.4	33.2		3
PROTEIN		%	23.8	26.8		3
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.72	3.06		
SHEEP	DE	MCAL/KG *	2.70	3.05		
CATTLE	ME	MCAL/KG *	2.23	2.51		
SHEEP	ME	MCAL/KG *	2.21	2.50		
CATTLE	NE-M	MCAL/KG *	1.36	1.53		
CATTLE	NE-GAIN	MCAL/KG *	0.85	0.96		
CATTLE	NE-LACTATION	MCAL/KG *	1.49	1.68		
CATTLE	TDN	% *	61.6	69.5		
SHEEP	TDN	% *	61.3	69.1		
CALCIUM		%	0.66	0.74		1
PHOSPHORUS		%	0.20	0.22		1

GLYCINE MAX, SEEDS W HULLS, MECH EXTD GRND CAKED, (5)

REF NO 5-13-524

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	96.2	100.0		1
ORGANIC MATTER		%	87.9	91.4		
ASH		%	8.3	8.6		1
CRUDE FIBER		%	11.5	12.0		1
ETHER EXTRACT		%	9.8	10.2		1
NITROGEN FREE EXTRACT		%	28.9	30.0		1
PROTEIN		%	37.7	39.2		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.28	3.41		
SHEEP	DE	MCAL/KG *	3.51	3.64		
CATTLE	ME	MCAL/KG *	2.69	2.80		
SHEEP	ME	MCAL/KG *	2.87	2.99		
CATTLE	NE-M	MCAL/KG *	1.70	1.77		
CATTLE	NE-GAIN	MCAL/KG *	1.13	1.17		
CATTLE	NE-LACTATION	MCAL/KG *	1.87	1.95		
CATTLE	TDN	% *	74.4	77.4		
SHEEP	TDN	% *	79.5	82.7		

GLYCINE MAX, SEEDS W HULLS, TREATED W WATER, (5)

REF NO 5-13-699

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	49.2	100.0		1
ORGANIC MATTER		%	46.3	94.1		
ASH		%	2.9	5.9		1
CRUDE FIBER		%	9.7	19.8		1
ETHER EXTRACT		%	7.9	16.1		1
NITROGEN FREE EXTRACT		%	8.6	17.5		1
PROTEIN		%	20.0	40.7		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.11	4.29		
SHEEP	DE	MCAL/KG *	1.85	3.75		
CATTLE	ME	MCAL/KG *	1.73	3.51		
SHEEP	ME	MCAL/KG *	1.51	3.08		
CATTLE	NE-M	MCAL/KG *	1.25	2.55		
CATTLE	NE-GAIN	MCAL/KG *	0.78	1.59		
CATTLE	NE-LACTATION	MCAL/KG *	1.29	2.63		
CATTLE	TDN	% *	47.8	97.2		
SHEEP	TDN	% *	41.9	85.1		

GLYCINE MAX, SEEDS NO HULLS, SOLV EXTD GRND, MX 3% FIBER, (5)
SOYBEAN MEAL, DEHULLED, SOLVENT EXTRACTED (AAFCO)
SOYBEAN OIL MEAL, DEHULLED, SOLVENT EXTRACTED

REF NO 5-04-612

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.2	100.0	2	45
ORGANIC MATTER		%	84.0	93.1		
ASH		%	6.2	6.9	15	8
CRUDE FIBER		%	3.8	4.2	40	34
ETHER EXTRACT		%	0.9	1.0	26	10
NITROGEN FREE EXTRACT		%	29.8	33.0		6
PROTEIN		%	49.6	54.9	3	39
FATTY ACIDS		%				
LINOLEIC		%	0.402	0.445		1
ENERGY	GE	KCAL/KG	4205.	4660.		1
SHEEP	DE	MCAL/KG *	3.45	3.82		
SWINE	DE	KCAL/KG	3962.	4390.		1
CHICKENS	ME-N	KCAL/KG	2441.	2705.	2	4
SHEEP	ME	MCAL/KG *	2.83	3.13		
SWINE	ME	KCAL/KG	(3207.)	(3553.)		2
CHICKENS	PRODUCTIVE	KCAL/KG	1546.	1713.		2
SHEEP	TDN	% *	78.1	86.6		
SWINE	TDN	%	(77.8)	(86.2)		1
CALCIUM		%	(0.27)	(0.30)	18	10
CHLORINE		%	0.05	0.05		2
COPPER		MG/KG	(15.0)	(16.6)		1
MANGANESE		MG/KG	(43.0)	(47.7)		2
PHOSPHORUS		%	(0.62)	(0.69)	6	10
CHICKENS, CHICKS AVAILABLE		%	(0.22)	(0.24)		2
POTASSIUM		%	(2.02)	(2.24)		2
SELENIUM		MG/KG	(0.101)	(0.112)		1
SODIUM		%	(0.26)	(0.28)		2
ZINC		MG/KG	(45.2)	(50.1)		1
A-TOCOPHEROL		MG/KG	(3.3)	(3.7)		2
BIOTIN		MG/KG	(0.32)	(0.36)		1
CHOLINE		MG/KG	(2733.)	(3028.)		5
FOLIC ACID		MG/KG	(3.62)	(4.01)		1
NIACIN		MG/KG	(21.6)	(23.9)	1	6
PANTOTHENIC ACID		MG/KG	(15.4)	(17.0)	20	5
RIBOFLAVIN		MG/KG	2.9	3.2	17	7
THIAMINE		MG/KG	(3.3)	(3.6)	68	4
VITAMIN B6		MG/KG	(8.04)	(8.91)		1
ARGININE		%	(3.69)	(4.08)	4	4
CYSTINE		%	(0.80)	(0.88)	4	4
GLYCINE		%	(2.69)	(2.98)	9	4
HISTIDINE		%	(1.31)	(1.46)		1
ISOLEUCINE		%	(2.57)	(2.85)		2
LEUCINE		%	(3.82)	(4.23)		1
LYSINE		%	(3.19)	(3.53)	1	4
METHIONINE		%	(0.72)	(0.80)	1	4
PHENYLALANINE		%	(2.11)	(2.34)		3
THREONINE		%	(1.91)	(2.12)		2
TRYPTOPHAN		%	(0.67)	(0.74)	8	5
TYROSINE		%	(2.01)	(2.23)		1
VALINE		%	2.72	3.02		2

GLYCINE MAX, SEEDS W PODS, (5)

REF NO 5-13-526

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.8	100.0		1
ETHER EXTRACT		%	10.7	12.2		1
PROTEIN		%	17.2	19.6		1

GLYCINE WIGHTII, SOYBEAN, PERENNIAL

GLYCINE WIGHTII PERENNIAL, AERIAL PART, DEHY, (1)

REF NO 1-13-520

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.1	100.0		1
ORGANIC MATTER		%	78.8	87.5		
ASH		%	11.3	12.5		1
CRUDE FIBER		%	32.0	35.5		1
ETHER EXTRACT		%	3.1	3.4		1
NITROGEN FREE EXTRACT		%	30.7	34.1		1
PROTEIN		%	13.0	14.4		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	8.5	9.4		
GOATS	DIG PROT % *	9.0	10.0		
HORSES	DIG PROT % *	8.8	9.8		
RABBITS	DIG PROT % *	8.8	9.8		
SHEEP	DIG PROT % *	8.6	9.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.88	2.09		
SHEEP	DE MCAL/KG *	1.98	2.20		
CATTLE	ME MCAL/KG *	1.54	1.71		
SHEEP	ME MCAL/KG *	1.62	1.80		
CATTLE	NE-M MCAL/KG *	0.92	1.02		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.17		
CATTLE	NE-LACTATION MCAL/KG *	0.83	0.92		
CATTLE	TDN % *	42.7	47.4		
SHEEP	TDN % *	44.9	49.8		

GLYCINE WIGHTII PERENNIAL, BRAN, (1)

REF NO 1-11-579

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.2	100.0		1
ORGANIC MATTER	%	83.6	90.7		
ASH	%	8.6	9.3		1
CRUDE FIBER	%	42.1	45.7		1
ETHER EXTRACT	%	1.7	1.8		1
NITROGEN FREE EXTRACT	%	30.2	32.8		1
PROTEIN	%	9.6	10.4		1
CATTLE	DIG PROT % *	5.5	6.0		
GOATS	DIG PROT % *	5.8	6.3		
HORSES	DIG PROT % *	5.9	6.4		
RABBITS	DIG PROT % *	6.2	6.7		
SHEEP	DIG PROT % *	5.4	5.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.89	2.05		
SHEEP	DE MCAL/KG *	2.01	2.18		
CATTLE	ME MCAL/KG *	1.55	1.68		
SHEEP	ME MCAL/KG *	1.65	1.79		
CATTLE	NE-M MCAL/KG *	0.92	1.00		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.12		
CATTLE	NE-LACTATION MCAL/KG *	0.81	0.88		
CATTLE	TDN % *	42.8	46.4		
SHEEP	TDN % *	45.7	49.5		

GLYCINE WIGHTII PERENNIAL, HAY, S-C, (1)

REF NO 1-11-569

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.3	100.0		3
ORGANIC MATTER	%	83.1	91.0		
ASH	%	8.2	9.0	26	14
CRUDE FIBER	%	28.4	31.2	19	14
ETHER EXTRACT	%	4.0	4.4	33	14
NITROGEN FREE EXTRACT	%	36.3	39.7	18	14
PROTEIN	%	14.4	15.7	14	14
CATTLE	DIG PROT % *	9.7	10.6		
GOATS	DIG PROT % *	10.3	11.3		
HORSES	DIG PROT % *	9.9	10.9		
RABBITS	DIG PROT % *	9.9	10.8		
SHEEP	DIG PROT % *	9.8	10.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.19	2.40		
HORSES	DE MCAL/KG *	1.52	1.66		
SHEEP	DE MCAL/KG *	2.23	2.44		
CATTLE	ME MCAL/KG *	1.79	1.96		
HORSES	ME MCAL/KG *	1.24	1.36		
SHEEP	ME MCAL/KG *	1.83	2.00		
CATTLE	NE-M MCAL/KG *	1.06	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.41	0.45		
CATTLE	NE-LACTATION MCAL/KG *	1.05	1.16		
CATTLE	TDN % *	49.6	54.3		
HORSES	TDN % *	37.2	40.8		
SHEEP	TDN % *	50.5	55.4		

GLYCINE WIGHTII PERENNIAL, HAY, S-C, DOUGH STAGE, (1)

REF NO 1-13-522

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.9	100.0		1
ORGANIC MATTER	%	76.0	89.5		
ASH	%	8.9	10.5		1
CRUDE FIBER	%	29.8	35.1		1
ETHER EXTRACT	%	3.2	3.8		1
NITROGEN FREE EXTRACT	%	24.3	28.6		1
PROTEIN	%	18.7	22.0		1
CATTLE	DIG PROT % *	13.6	16.0		
GOATS	DIG PROT % *	14.5	17.1		
HORSES	DIG PROT % *	13.8	16.2		
RABBITS	DIG PROT % *	13.3	15.7		
SHEEP	DIG PROT % *	13.9	16.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.02	2.38		
SHEEP	ME MCAL/KG *	1.66	1.95		
SHEEP	TDN % *	45.8	54.0		

GLYCINE WIGHTII PERENNIAL, LEAVES, S-C, (1)

REF NO 1-11-577

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.8	100.0		1
ORGANIC MATTER	%	71.4	83.2		
ASH	%	14.4	16.8		1
CRUDE FIBER	%	32.2	37.5		1
ETHER EXTRACT	%	3.2	3.7		1
NITROGEN FREE EXTRACT	%	18.0	21.0		1
PROTEIN	%	18.0	21.0		1
CATTLE	DIG PROT % *	13.0	15.1		
GOATS	DIG PROT % *	13.8	16.1		
HORSES	DIG PROT % *	13.2	15.3		
RABBITS	DIG PROT % *	12.8	14.9		
SHEEP	DIG PROT % *	13.2	15.4		

GLYCINE WIGHTII PERENNIAL, STEMS, S-C, (1)

REF NO 1-11-578

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.5	100.0		1
ORGANIC MATTER	%	78.2	92.5		
ASH	%	6.3	7.5		1
CRUDE FIBER	%	40.0	47.3		1
ETHER EXTRACT	%	3.2	3.8		1
NITROGEN FREE EXTRACT	%	22.3	26.4		1
PROTEIN	%	12.7	15.0		1
CATTLE	DIG PROT % *	8.4	10.0		
GOATS	DIG PROT % *	8.9	10.6		
HORSES	DIG PROT % *	8.7	10.3		
RABBITS	DIG PROT % *	8.7	10.3		
SHEEP	DIG PROT % *	8.5	10.1		

GLYCINE WIGHTII PERENNIAL, STRAW, (1)

REF NO 1-11-576

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.4	100.0		1
ORGANIC MATTER	%	84.4	94.4		
ASH	%	5.0	5.6		2
CRUDE FIBER	%	50.4	56.4		2
ETHER EXTRACT	%	1.4	1.5		2
NITROGEN FREE EXTRACT	%	27.3	30.6		2
PROTEIN	%	5.2	5.8		2
CATTLE	DIG PROT % *	1.8	2.0		
GOATS	DIG PROT % *	1.8	2.0		
HORSES	DIG PROT % *	2.2	2.5		
RABBITS	DIG PROT % *	2.8	3.2		
SHEEP	DIG PROT % *	1.6	1.8		

GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, (2)

REF NO 2-11-570

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.5	100.0		1
ORGANIC MATTER	%	22.3	91.2		1
ASH	%	2.5	10.0		3
CRUDE FIBER	%	8.1	32.9		3
ETHER EXTRACT	%	0.7	2.9		3
NITROGEN FREE EXTRACT	%	8.5	34.9		3
PROTEIN	%	4.7	19.3		3
CATTLE	DIG PROT % *	3.5	14.3		
GOATS	DIG PROT % *	3.6	14.6		
HORSES	DIG PROT % *	3.4	13.9		
RABBITS	DIG PROT % *	3.3	13.6		
SHEEP	DIG PROT % *	3.7	15.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.64	2.59		
SHEEP	DE MCAL/KG *	0.67	2.74		
CATTLE	ME MCAL/KG *	0.52	2.13		
SHEEP	ME MCAL/KG *	0.55	2.24		
CATTLE	NE-M MCAL/KG *	0.31	1.26		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.62		
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.31		
CATTLE	TDN % *	14.4	58.8		
SHEEP	TDN % *	15.2	62.1		
CALCIUM	%	0.30	1.23		2
IRON	%	0.007	0.027		1
PHOSPHORUS	%	0.07	0.28		2

GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-566

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.2	100.0		1
IN VITRO (TILLY) DIG COEF	%	78.	78.		1
CELLULOSE (CRAMPTON)	%	5.6	34.8		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)					
REF NO 2-11-574					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.1	
ASH		%		8.9	1
CRUDE FIBER		%		24.5	1
ETHER EXTRACT		%		4.4	1
NITROGEN FREE EXTRACT		%		38.9	1
PROTEIN		%		23.2	1
CATTLE	DIG PROT	% *		17.6	
GOATS	DIG PROT	% *		18.2	
HORSES	DIG PROT	% *		17.3	
RABBITS	DIG PROT	% *		16.6	
SHEEP	DIG PROT	% *		18.6	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.02	
SHEEP	DE MCAL/KG	*		3.05	
CATTLE	ME MCAL/KG	*		2.47	
SHEEP	ME MCAL/KG	*		2.50	
CATTLE	NE-M MCAL/KG	*		1.50	
CATTLE	NE-GAIN MCAL/KG	*		0.93	
CATTLE	NE-LACTATION MCAL/KG	*		1.64	
CATTLE	TDN	% *		68.4	
SHEEP	TDN	% *		69.1	
GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-11-567					
DRY MATTER		%	23.1	100.0	1
OM IN VITRO (TILLY)	DIG COEF	%	69.	69.	1
CELLULOSE (CRAMPTON)		%	8.6	37.4	1
GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)					
REF NO 2-11-568					
DRY MATTER		%	31.9	100.0	1
OM IN VITRO (TILLY)	DIG COEF	%	70.	70.	1
CELLULOSE (CRAMPTON)		%	11.0	34.6	1
GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-13-521					
DRY MATTER		%	38.7	100.0	1
ORGANIC MATTER		%	35.5	91.8	
ASH		%	3.2	8.2	1
CRUDE FIBER		%	15.1	38.9	1
ETHER EXTRACT		%	1.0	2.5	1
NITROGEN FREE EXTRACT		%	12.9	33.4	1
PROTEIN		%	6.6	17.0	1
CATTLE	DIG PROT	% *	4.8	12.3	
GOATS	DIG PROT	% *	4.8	12.4	
HORSES	DIG PROT	% *	4.6	12.0	
RABBITS	DIG PROT	% *	4.6	11.8	
SHEEP	DIG PROT	% *	5.0	12.8	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	1.04	2.68	
SHEEP	ME MCAL/KG	*	0.85	2.20	
SHEEP	TDN	% *	23.5	60.8	
CALCIUM		%	0.46	1.19	1
PHOSPHORUS		%	0.09	0.24	1
GLYCINE WIGHTII PERENNIAL, AERIAL PART, FRESH, LATE BLOOM, (2)					
REF NO 2-15-422					
DRY MATTER		%	20.8	100.0	1
ORGANIC MATTER		%	18.7	90.1	
ASH		%	2.1	9.9	1
CRUDE FIBER		%	7.1	34.3	1
ETHER EXTRACT		%	0.3	1.3	1
NITROGEN FREE EXTRACT		%	7.0	33.4	1
PROTEIN		%	4.4	21.0	1
CATTLE	DIG PROT	% *	3.3	15.7	
GOATS	DIG PROT	% *	3.4	16.2	
HORSES	DIG PROT	% *	3.2	15.4	
RABBITS	DIG PROT	% *	3.1	14.9	
SHEEP	DIG PROT	% *	3.4	16.6	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	0.55	2.64	
SHEEP	ME MCAL/KG	*	0.45	2.16	
SHEEP	TDN	% *	12.4	59.8	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
GLYCINE WIGHTII PERENNIAL, AERIAL PART W PODS, FRESH, (2)					
REF NO 2-11-573					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.9	
ASH		%		8.1	1
CRUDE FIBER		%		35.0	1
ETHER EXTRACT		%		10.0	1
NITROGEN FREE EXTRACT		%		32.9	1
PROTEIN		%		13.9	1
CATTLE	DIG PROT	% *		9.7	
GOATS	DIG PROT	% *		9.5	
HORSES	DIG PROT	% *		9.3	
RABBITS	DIG PROT	% *		9.4	
SHEEP	DIG PROT	% *		9.9	
GLYCINE WIGHTII PERENNIAL, LEAVES, FRESH, (2)					
REF NO 2-11-571					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		89.6	
ASH		%		10.4	1
CRUDE FIBER		%		26.8	1
ETHER EXTRACT		%		4.1	1
NITROGEN FREE EXTRACT		%		33.2	1
PROTEIN		%		25.6	1
CATTLE	DIG PROT	% *		19.6	
GOATS	DIG PROT	% *		20.4	
HORSES	DIG PROT	% *		19.3	
RABBITS	DIG PROT	% *		18.4	
SHEEP	DIG PROT	% *		20.8	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*		3.00	
SHEEP	ME MCAL/KG	*		2.46	
SHEEP	TDN	% *		67.9	
GLYCINE WIGHTII PERENNIAL, SEEDS, SOLV EXTD GRND, (5)					
REF NO 5-11-575					
DRY MATTER		%	90.5	100.0	1
ORGANIC MATTER		%	84.6	93.5	
ASH		%	5.9	6.5	1
CRUDE FIBER		%	7.0	7.7	1
ETHER EXTRACT		%	0.7	0.8	1
NITROGEN FREE EXTRACT		%	28.4	31.4	1
PROTEIN		%	48.5	53.6	1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	3.08	3.40	
SHEEP	ME MCAL/KG	*	2.52	2.79	
SHEEP	TDN	% *	69.8	77.1	
CALCIUM		%	0.30	0.33	1
PHOSPHORUS		%	0.69	0.76	1
GLYCINE WIGHTII PERENNIAL, SEEDS W HULLS, (5)					
REF NO 5-11-572					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.9	
ASH		%		6.1	1
CRUDE FIBER		%		13.7	1
ETHER EXTRACT		%		5.5	1
NITROGEN FREE EXTRACT		%		25.5	1
PROTEIN		%		49.2	1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.16	
SHEEP	DE MCAL/KG	*		3.55	
CATTLE	ME MCAL/KG	*		2.59	
SHEEP	ME MCAL/KG	*		2.91	
CATTLE	NE-M MCAL/KG	*		1.59	
CATTLE	NE-GAIN MCAL/KG	*		1.02	
CATTLE	NE-LACTATION MCAL/KG	*		1.75	
CATTLE	TDN	% *		71.6	
SHEEP	TDN	% *		80.6	

GOLDENIA SPP, GOLDENIA

GOLDENIA SPP, BROWSE, FRESH, (2)					
REF NO 2-13-649					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		81.7	
ASH		%		18.4	2
CRUDE FIBER		%		11.3	2
ETHER EXTRACT		%		1.4	2
NITROGEN FREE EXTRACT		%		57.0	2
PROTEIN		%		12.1	2
CATTLE	DIG PROT	% *		8.1	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT % *		7.8		
HORSES	DIG PROT % *		7.8		
RABBITS	DIG PROT % *		8.0		
SHEEP	DIG PROT % *		8.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.86		
SHEEP	DE MCAL/KG *		2.98		
CATTLE	ME MCAL/KG *		2.34		
SHEEP	ME MCAL/KG *		2.44		
CATTLE	NE-M MCAL/KG *		1.40		
CATTLE	NE-GAIN MCAL/KG *		0.82		
CATTLE	NE-LACTATION MCAL/KG *		1.52		
CATTLE	TDN % *		64.8		
SHEEP	TDN % *		67.6		

GOMPHRENA MARTIANA, GLOBEAMARANTH, MARTIANA

GOMPHRENA MARTIANA MARTIANA, AERIAL PART, FRESH, (2)

REF NO 2-11-658

DRY MATTER	%	12.1	100.0		1
ORGANIC MATTER	%	9.6	79.6		
ASH	%	2.5	20.4		1
CRUDE FIBER	%	2.7	22.7		1
ETHER EXTRACT	%	0.4	3.5		1
NITROGEN FREE EXTRACT	%	5.1	42.5		1
PROTEIN	%	1.3	10.9		1
CATTLE	DIG PROT % *	0.9	7.2		
GOATS	DIG PROT % *	0.8	6.7		
HORSES	DIG PROT % *	0.8	6.8		
RABBITS	DIG PROT % *	0.9	7.1		
SHEEP	DIG PROT % *	0.9	7.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.28	2.28		
SHEEP	DE MCAL/KG *	0.30	2.51		
CATTLE	ME MCAL/KG *	0.23	1.87		
SHEEP	ME MCAL/KG *	0.25	2.06		
CATTLE	NE-M MCAL/KG *	0.13	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.04	0.35		
CATTLE	NE-LACTATION MCAL/KG *	0.13	1.07		
CATTLE	TDN % *	6.3	51.8		
SHEEP	TDN % *	6.9	56.9		

GOSSYPIUM BARBADENSE, COTTON, SEAISLAND

GOSSYPIUM BARBADENSE SEAISLAND, HULLS, (1)

REF NO 1-10-502

DRY MATTER	%	92.3	100.0		2
ORGANIC MATTER	%	89.8	97.4		
ASH	%	2.4	2.6		2
CRUDE FIBER	%	38.4	41.7		2
ETHER EXTRACT	%	1.3	1.4		2
NITROGEN FREE EXTRACT	%	45.9	49.8		2
PROTEIN	%	4.2	4.5		2
CATTLE	DIG PROT % *	0.8	0.9		
GOATS	DIG PROT % *	0.7	0.8		
HORSES	DIG PROT % *	1.3	1.4		
RABBITS	DIG PROT % *	2.0	2.2		
SHEEP	DIG PROT % *	0.6	0.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.23	2.42		
HORSES	DE MCAL/KG *	1.26	1.37		
SHEEP	DE MCAL/KG *	2.13	2.31		
CATTLE	ME MCAL/KG *	1.83	1.99		
HORSES	ME MCAL/KG *	1.03	1.12		
SHEEP	ME MCAL/KG *	1.75	1.90		
CATTLE	NE-M MCAL/KG *	1.08	1.17		
CATTLE	NE-GAIN MCAL/KG *	0.44	0.47		
CATTLE	NE-LACTATION MCAL/KG *	1.08	1.18		
CATTLE	TDN % *	50.7	54.9		
HORSES	TDN % *	30.2	32.7		
SHEEP	TDN % *	48.4	52.5		
CALCIUM	%	0.10	0.11		1
COPPER	MG/KG	6.2	6.8		1
IRON	%	0.007	0.007		1
MAGNESIUM	%	0.13	0.14		1
MANGANESE	MG/KG	7.4	8.0		1

GOSSYPIUM BARBADENSE SEAISLAND, LINT, (1)

REF NO 1-13-545

DRY MATTER	%	91.7	100.0		1
ORGANIC MATTER	%	89.1	97.2		
ASH	%	2.6	2.8		1
CRUDE FIBER	%	46.2	50.4		1
ETHER EXTRACT	%	0.5	0.5		1
NITROGEN FREE EXTRACT	%	37.7	41.1		1
PROTEIN	%	4.7	5.1		1
CATTLE	DIG PROT % *	1.3	1.4		
GOATS	DIG PROT % *	1.2	1.3		
HORSES	DIG PROT % *	1.7	1.9		
RABBITS	DIG PROT % *	2.4	2.6		
SHEEP	DIG PROT % *	1.1	1.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.19	2.39		
SHEEP	DE MCAL/KG *	2.15	2.34		
CATTLE	ME MCAL/KG *	1.80	1.96		
SHEEP	ME MCAL/KG *	1.76	1.92		
CATTLE	NE-M MCAL/KG *	1.06	1.15		
CATTLE	NE-GAIN MCAL/KG *	0.41	0.44		
CATTLE	NE-LACTATION MCAL/KG *	1.05	1.15		
CATTLE	TDN % *	49.7	54.1		
SHEEP	TDN % *	48.7	53.2		

GOSSYPIUM BARBADENSE SEAISLAND, STEMS, (1)

REF NO 1-10-507

DRY MATTER	%	88.2	100.0		1
ORGANIC MATTER	%	81.5	92.4		
ASH	%	6.7	7.6		1
CRUDE FIBER	%	51.8	58.7		1
ETHER EXTRACT	%	0.1	0.1		1
NITROGEN FREE EXTRACT	%	26.0	29.5		1
PROTEIN	%	3.6	4.1		1
CATTLE	DIG PROT % *	0.4	0.5		
GOATS	DIG PROT % *	0.3	0.4		
HORSES	DIG PROT % *	0.9	1.0		
RABBITS	DIG PROT % *	1.6	1.8		
SHEEP	DIG PROT % *	0.2	0.2		

GOSSYPIUM BARBADENSE SEAISLAND, SEEDS, (5)

REF NO 5-10-503

DRY MATTER	%	90.2	100.0	1	8
ORGANIC MATTER	%	85.5	94.8		
ASH	%	4.7	5.2	36	6
CRUDE FIBER	%	13.4	14.8	44	6
ETHER EXTRACT	%	20.4	22.6	40	13
NITROGEN FREE EXTRACT	%	32.9	36.5	41	5
PROTEIN	%	18.8	20.8	46	12
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.37	2.63		
SHEEP	DE MCAL/KG *	3.79	4.20		
CATTLE	ME MCAL/KG *	1.95	2.16		
SHEEP	ME MCAL/KG *	3.11	3.45		
CATTLE	NE-M MCAL/KG *	1.15	1.28		
CATTLE	NE-GAIN MCAL/KG *	0.58	0.65		
CATTLE	NE-LACTATION MCAL/KG *	1.21	1.34		
CATTLE	TDN % *	53.9	59.7		
SHEEP	TDN % *	86.0	95.3		

GOSSYPIUM BARBADENSE SEAISLAND, SEEDS, MECH EXTD GRND CAKED, (5)

REF NO 5-10-509

DRY MATTER	%	90.1	100.0		3
ORGANIC MATTER	%	84.8	94.2		
ASH	%	5.3	5.8	5	4
CRUDE FIBER	%	20.1	22.3	14	4
ETHER EXTRACT	%	6.5	7.2	17	4
NITROGEN FREE EXTRACT	%	26.8	29.7	23	4
PROTEIN	%	31.4	34.9	25	4
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.75	3.06		
SHEEP	DE MCAL/KG *	2.87	3.19		
CATTLE	ME MCAL/KG *	2.26	2.51		
SHEEP	ME MCAL/KG *	2.35	2.61		
CATTLE	NE-M MCAL/KG *	1.38	1.53		
CATTLE	NE-GAIN MCAL/KG *	0.86	0.96		
CATTLE	NE-LACTATION MCAL/KG *	1.51	1.67		
CATTLE	TDN % *	62.5	69.4		
SHEEP	TDN % *	65.1	72.3		

GOSSYPIUM BARBADENSE SEAISLAND, SEEDS NO HULLS, MECH EXTD GRND, (5)

REF NO 5-13-748

DRY MATTER	%		100.0		
CRUDE FIBER	%		8.6		1
ETHER EXTRACT	%		3.8		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM BARBADENSE SEAISLAND, SEEDS W SOME HULLS, MECH EXTD GRND, (5)					
REF NO 5-10-239					
DRY MATTER	%	93.2	100.0	2	15
ORGANIC MATTER	%	86.6	92.9		
ASH	%	6.7	7.1	14	27
CRUDE FIBER	%	12.5	13.4	44	31
ETHER EXTRACT	%	5.5	5.9	98	31
NITROGEN FREE EXTRACT	%	31.4	33.7	20	25
PROTEIN	%	37.1	39.8	17	28
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.95	3.17		
SHEEP DE MCAL/KG *		3.25	3.48		
CATTLE ME MCAL/KG *		2.42	2.60		
SHEEP ME MCAL/KG *		2.66	2.86		
CATTLE NE-M MCAL/KG *		1.49	1.60		
CATTLE NE-GAIN MCAL/KG *		0.96	1.03		
CATTLE NE-LACTATION MCAL/KG *		1.64	1.76		
CATTLE TDN % *		67.0	71.8		
SHEEP TDN % *		73.7	79.0		
CALCIUM	%	0.28	0.30	27	7
COPPER	MG/KG	19.9	21.3		3
IRON	%	0.012	0.013		3
MAGNESIUM	%	0.63	0.68	12	6
MANGANESE	MG/KG	23.0	24.7		3
PHOSPHORUS	%	1.45	1.55		2
GOSSYPIUM BARBADENSE SEAISLAND, SEEDS W SOME HULLS, SOLV EXTD GRND, (5)					
REF NO 5-10-554					
DRY MATTER	%	88.1	100.0	2	5
ORGANIC MATTER	%	81.7	92.8		
ASH	%	6.3	7.2	7	5
CRUDE FIBER	%	15.0	17.0	21	5
ETHER EXTRACT	%	1.3	1.5	35	5
NITROGEN FREE EXTRACT	%	28.4	32.2	16	5
PROTEIN	%	37.1	42.1	10	5
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.30	2.61		
SHEEP DE MCAL/KG *		2.73	3.10		
CATTLE ME MCAL/KG *		1.88	2.14		
SHEEP ME MCAL/KG *		2.24	2.54		
CATTLE NE-M MCAL/KG *		1.11	1.26		
CATTLE NE-GAIN MCAL/KG *		0.55	0.63		
CATTLE NE-LACTATION MCAL/KG *		1.16	1.32		
CATTLE TDN % *		52.1	59.1		
SHEEP TDN % *		61.9	70.3		
CALCIUM	%	0.51	0.57		2
PHOSPHORUS	%	2.69	3.05		2

GOSSYPIUM HERBACEUM, COTTON, LEVANT

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HERBACEUM LEVANT, HULLS, (1)					
REF NO 1-09-646					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.5		
ASH	%		3.5		1
CRUDE FIBER	%		45.3		1
ETHER EXTRACT	%		0.8		1
NITROGEN FREE EXTRACT	%		46.1		1
PROTEIN	%		4.3		1
CATTLE DIG PROT % *			0.6		
GOATS DIG PROT % *			0.5		
HORSES DIG PROT % *			1.2		
RABBITS DIG PROT % *			2.0		
SHEEP DIG PROT % *			0.4		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.34		
HORSES DE MCAL/KG *			1.16		
SHEEP DE MCAL/KG *			2.28		
CATTLE ME MCAL/KG *			1.92		
HORSES ME MCAL/KG *			0.95		
SHEEP ME MCAL/KG *			1.87		
CATTLE NE-M MCAL/KG *			1.13		
CATTLE NE-GAIN MCAL/KG *			0.41		
CATTLE NE-LACTATION MCAL/KG *			1.12		
CATTLE TDN % *			53.2		
HORSES TDN % *			27.1		
SHEEP TDN % *			51.7		
GOSSYPIUM HERBACEUM LEVANT, LINT, (1)					
REF NO 1-13-546					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.6		
ASH	%		3.4		1
CRUDE FIBER	%		61.0		1
ETHER EXTRACT	%		2.6		1
NITROGEN FREE EXTRACT	%		27.1		1
PROTEIN	%		6.0		1
CATTLE DIG PROT % *			2.1		
GOATS DIG PROT % *			2.1		
HORSES DIG PROT % *			2.6		
RABBITS DIG PROT % *			3.3		
SHEEP DIG PROT % *			1.9		
GOSSYPIUM HERBACEUM LEVANT, SEEDS, MECH EXTD GRND, (5)					
REF NO 5-13-746					
DRY MATTER	%	82.0	100.0		1
ORGANIC MATTER	%	74.5	90.9		1
ASH	%	7.5	9.1		1
CRUDE FIBER	%	20.1	24.5		1
ETHER EXTRACT	%	5.7	7.0		1
NITROGEN FREE EXTRACT	%	26.5	32.3		1
PROTEIN	%	22.2	27.1		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.31	2.82		
SHEEP DE MCAL/KG *		2.26	2.78		
CATTLE ME MCAL/KG *		1.89	2.31		
SHEEP ME MCAL/KG *		1.87	2.28		
CATTLE NE-M MCAL/KG *		1.13	1.38		
CATTLE NE-GAIN MCAL/KG *		0.65	0.79		
CATTLE NE-LACTATION MCAL/KG *		1.22	1.48		
CATTLE TDN % *		52.4	63.9		
SHEEP TDN % *		51.7	63.0		
CALCIUM	%	0.20	0.24		1
PHOSPHORUS	%	0.63	0.77		1
GOSSYPIUM HERBACEUM LEVANT, SEEDS, SOLV EXTD GRND, (5)					
REF NO 5-13-747					
DRY MATTER	%	91.2	100.0		3
ORGANIC MATTER	%	86.4	94.7		2
ASH	%	4.9	5.4		3
CRUDE FIBER	%	20.4	22.3		3
ETHER EXTRACT	%	1.4	1.6		3
NITROGEN FREE EXTRACT	%	35.1	38.5		3
PROTEIN	%	29.4	32.2		3
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.28	2.50		
SHEEP DE MCAL/KG *		2.62	2.88		
CATTLE ME MCAL/KG *		1.87	2.05		
SHEEP ME MCAL/KG *		2.15	2.36		
CATTLE NE-M MCAL/KG *		1.10	1.21		
CATTLE NE-GAIN MCAL/KG *		0.50	0.54		
CATTLE NE-LACTATION MCAL/KG *		1.13	1.24		
CATTLE TDN % *		51.8	56.8		
SHEEP TDN % *		59.5	65.2		
CALCIUM	%	0.26	0.28		3
PHOSPHORUS	%	0.64	0.70		3
GOSSYPIUM HERBACEUM LEVANT, SEEDS W SOME HULLS, MECH EXTD GRND, (5)					
REF NO 5-09-626					
DRY MATTER	%	90.4	100.0	2	9
ORGANIC MATTER	%	86.0	95.1	12	1
ASH	%	5.6	6.2	12	8
CRUDE FIBER	%	13.4	14.8	55	9
ETHER EXTRACT	%	5.6	6.1	49	9
NITROGEN FREE EXTRACT	%	31.1	34.4	28	4
PROTEIN	%	34.7	38.4	18	9
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.87	3.17		
SHEEP DE MCAL/KG *		3.16	3.49		
CATTLE ME MCAL/KG *		2.35	2.60		
SHEEP ME MCAL/KG *		2.59	2.86		
CATTLE NE-M MCAL/KG *		1.45	1.60		
CATTLE NE-GAIN MCAL/KG *		0.93	1.03		
CATTLE NE-LACTATION MCAL/KG *		1.59	1.76		
CATTLE TDN % *		65.1	72.0		
SHEEP TDN % *		71.6	79.2		
PHOSPHORUS	%	0.62	0.69		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HERBACEUM LEVANT, SEEDS W SOME HULLS, MECH EXTD GRND CAKED, (5)					
REF NO 5-11-561					
DRY MATTER	%	89.7	100.0	4	9
ORGANIC MATTER	%	83.8	93.3		
ASH	%	6.0	6.7	13	6
CRUDE FIBER	%	10.0	11.2	30	9
ETHER EXTRACT	%	7.0	7.8	25	9
NITROGEN FREE EXTRACT	%	31.1	34.7		1
PROTEIN	%	35.5	39.6	19	9
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	3.03	3.38		
SHEEP DE KCAL/KG	*	3.32	3.70		
CATTLE ME KCAL/KG	*	2.49	2.77		
SHEEP ME KCAL/KG	*	2.72	3.03		
CATTLE NE-M KCAL/KG	*	1.57	1.75		
CATTLE NE-GAIN KCAL/KG	*	1.04	1.16		
CATTLE NE-LACTATION KCAL/KG	*	1.73	1.93		
CATTLE TDN %	*	68.8	76.7		
SHEEP TDN %	*	75.3	83.9		
CALCIUM	%	0.13	0.15		2
PHOSPHORUS	%	0.01	0.01		2
NIACIN	MG/KG	2.6	2.9		1
THIAMINE	MG/KG	37.8	42.2		1
ARGININE	%	0.38	0.42		1
CYSTINE	%	0.02	0.02		1
HISTIDINE	%	0.09	0.10		1
ISOLEUCINE	%	0.10	0.11		1
LEUCINE	%	0.10	0.11		1
LYSINE	%	0.11	0.12		1
METHIONINE	%	0.03	0.03		1
PHENYLALANINE	%	0.14	0.15		1
THREONINE	%	0.08	0.09		1
TRYPTOPHAN	%	0.03	0.03		1
TYROSINE	%	0.05	0.05		1
VALINE	%	0.16	0.17		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HERBACEUM LEVANT, SEEDS W SOME HULLS, SOLV EXTD GRND, (5)					
REF NO 5-09-625					
DRY MATTER	%	90.1	100.0	2	25
ORGANIC MATTER	%	84.0	93.2	45	4
ASH	%	8.2	9.1	45	27
CRUDE FIBER	%	17.1	19.0	27	27
ETHER EXTRACT	%	1.3	1.4	41	27
NITROGEN FREE EXTRACT	%	26.7	29.7	23	27
PROTEIN	%	36.8	40.8	19	27
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	2.03	2.26		
SHEEP DE KCAL/KG	*	2.61	2.90		
CATTLE ME KCAL/KG	*	1.67	1.85		
SHEEP ME KCAL/KG	*	2.14	2.38		
CATTLE NE-M KCAL/KG	*	0.98	1.09		
CATTLE NE-GAIN KCAL/KG	*	0.29	0.33		
CATTLE NE-LACTATION KCAL/KG	*	0.94	1.05		
CATTLE TDN %	*	46.1	51.2		
SHEEP TDN %	*	59.2	65.7		
CALCIUM	%	0.32	0.36		2
PHOSPHORUS	%	0.81	0.89	17	5

GOSSYPIUM HIRSUTUM, COTTON, UPLAND

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HIRSUTUM UPLAND, HULLS, (1)					
REF NO 1-09-635					
DRY MATTER	%	89.5	100.0		2
ORGANIC MATTER	%	87.0	97.2	89	2
ASH	%	3.8	4.3	89	7
CRUDE FIBER	%	41.2	46.0	12	7
ETHER EXTRACT	%	1.1	1.3	22	7
NITROGEN FREE EXTRACT	%	39.7	44.3	19	7
PROTEIN	%	3.7	4.1	38	7
CATTLE DIG PROT %	*	0.5	0.5		
GOATS DIG PROT %	*	0.4	0.4		
HORSES DIG PROT %	*	0.9	1.0		
RABBITS DIG PROT %	*	1.7	1.9		
SHEEP DIG PROT %	*	0.3	0.3		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	2.09	2.33		
HORSES DE KCAL/KG	*	1.14	1.28		
SHEEP DE KCAL/KG	*	2.02	2.25		
CATTLE ME KCAL/KG	*	1.71	1.91		
HORSES ME KCAL/KG	*	0.94	1.05		
SHEEP ME KCAL/KG	*	1.65	1.85		
CATTLE NE-M KCAL/KG	*	1.01	1.13		
CATTLE NE-GAIN KCAL/KG	*	0.35	0.39		
CATTLE NE-LACTATION KCAL/KG	*	0.99	1.10		
CATTLE TDN %	*	47.3	52.8		
HORSES TDN %	*	27.1	30.2		
SHEEP TDN %	*	45.8	51.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HIRSUTUM UPLAND, HULLS, GRND, (1)					
REF NO 1-11-592					
DRY MATTER	%	87.1	100.0		1
ORGANIC MATTER	%	85.1	97.7		1
ASH	%	2.7	3.1		2
CRUDE FIBER	%	44.9	51.6		2
ETHER EXTRACT	%	0.9	1.0		2
NITROGEN FREE EXTRACT	%	32.5	37.3		2
PROTEIN	%	6.1	7.0		2
CATTLE DIG PROT %	*	2.6	3.0		
GOATS DIG PROT %	*	2.7	3.1		
HORSES DIG PROT %	*	3.0	3.5		
RABBITS DIG PROT %	*	3.5	4.1		
SHEEP DIG PROT %	*	2.5	2.8		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	2.06	2.37		
SHEEP DE KCAL/KG	*	2.06	2.36		
CATTLE ME KCAL/KG	*	1.69	1.94		
SHEEP ME KCAL/KG	*	1.69	1.94		
CATTLE NE-M KCAL/KG	*	1.00	1.14		
CATTLE NE-GAIN KCAL/KG	*	0.37	0.43		
CATTLE NE-LACTATION KCAL/KG	*	0.99	1.13		
CATTLE TDN %	*	46.8	53.7		
SHEEP TDN %	*	46.6	53.6		
ARGININE	%	0.15	0.17		1
HISTIDINE	%	0.28	0.32		1
ISOLEUCINE	%	0.26	0.30		1
LEUCINE	%	0.44	0.50		1
LYSINE	%	0.33	0.38		1
METHIONINE	%	0.08	0.09		1
PHENYLALANINE	%	0.36	0.41		1
THREONINE	%	0.34	0.39		1
TRYPTOPHAN	%	0.08	0.09		1
TYROSINE	%	0.24	0.27		1
VALINE	%	0.42	0.48		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HIRSUTUM UPLAND, LEAVES W STEMS, DEHY, (1)					
REF NO 1-10-555					
DRY MATTER	%	87.5	100.0		1
ORGANIC MATTER	%	80.9	92.5		1
ASH	%	6.6	7.5		1
CRUDE FIBER	%	43.7	49.9		1
ETHER EXTRACT	%	1.9	2.2		1
NITROGEN FREE EXTRACT	%	28.8	32.9		1
PROTEIN	%	6.5	7.4		1
CATTLE DIG PROT %	*	3.0	3.4		
GOATS DIG PROT %	*	3.1	3.5		
HORSES DIG PROT %	*	3.4	3.8		
RABBITS DIG PROT %	*	3.9	4.4		
SHEEP DIG PROT %	*	2.8	3.2		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	1.79	2.04		
SHEEP DE KCAL/KG	*	1.88	2.15		
CATTLE ME KCAL/KG	*	1.47	1.68		
SHEEP ME KCAL/KG	*	1.55	1.77		
CATTLE NE-M KCAL/KG	*	0.87	1.00		
CATTLE NE-GAIN KCAL/KG	*	0.11	0.12		
CATTLE NE-LACTATION KCAL/KG	*	0.77	0.88		
CATTLE TDN %	*	40.6	46.4		
SHEEP TDN %	*	42.7	48.9		
CALCIUM	%	1.00	1.14		1
IRON	%	0.019	0.022		1
PHOSPHORUS	%	0.18	0.21		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM HIRSUTUM UPLAND, STEMS, S-C, POST RIPE, (1)					
REF NO 1-13-693					
DRY MATTER	%	91.1	100.0		3
ORGANIC MATTER	%	84.9	93.2		
ASH	%	6.2	6.8		3
CRUDE FIBER	%	49.7	54.6		3
ETHER EXTRACT	%	1.2	1.3		3
NITROGEN FREE EXTRACT	%	27.4	30.1		3
PROTEIN	%	6.6	7.2		3
CATTLE DIG PROT %	*	2.9	3.2		
GOATS DIG PROT %	*	3.0	3.3		
HORSES DIG PROT %	*	3.3	3.7		
RABBITS DIG PROT %	*	3.9	4.3		
SHEEP DIG PROT %	*	2.8	3.1		
ENERGY GE KCAL/KG					
SHEEP DE KCAL/KG	*	2.04	2.24		
SHEEP ME KCAL/KG	*	1.67	1.84		
SHEEP TDN %	*	46.3	50.8		
ALANINE	%	0.24	0.26		1
ARGININE	%	0.11	0.12		1
ASPARTIC ACID	%	0.45	0.49		1
GLUTAMIC ACID	%	0.36	0.39		1
GLYCINE	%	0.12	0.13		1
HISTIDINE	%	0.04	0.04		1
ISOLEUCINE	%	0.10	0.11		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
LEUCINE	%	0.16	0.18		1
LYSINE	%	0.05	0.06		1
METHIONINE	%	0.04	0.04		1
PHENYLALANINE	%	0.08	0.09		1
SERINE	%	0.11	0.12		1
THREONINE	%	0.25	0.27		1
TYROSINE	%	0.04	0.04		1
VALINE	%	0.13	0.14		1

GOSSYPIUM HIRSUTUM UPLAND, SEEDS, (5)

REF NO 5-10-553

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.7	100.0		2
ORGANIC MATTER	%	87.9	95.9		1
ASH	%	4.4	4.8		2
CRUDE FIBER	%	18.2	19.8		2
ETHER EXTRACT	%	22.1	24.1		2
NITROGEN FREE EXTRACT	%	21.4	23.4		2
PROTEIN	%	25.6	27.9		2
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.65	3.98		
SHEEP DE MCAL/KG *		3.69	4.03		
CATTLE ME MCAL/KG *		2.99	3.26		
SHEEP ME MCAL/KG *		3.03	3.30		
CATTLE NE-M MCAL/KG *		2.05	2.24		
CATTLE NE-GAIN MCAL/KG *		1.34	1.46		
CATTLE NE-LACTATION MCAL/KG *		2.19	2.39		
CATTLE TDN % *		82.7	90.2		
SHEEP TDN % *		83.7	91.4		

GOSSYPIUM HIRSUTUM UPLAND, SEEDS, GRND, (5)

REF NO 5-11-084

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.2	100.0	1	23
ORGANIC MATTER	%	87.6	95.0	4	23
ASH	%	4.6	5.0	4	23
CRUDE FIBER	%	7.7	8.4	21	23
ETHER EXTRACT	%	32.9	35.7	6	23
NITROGEN FREE EXTRACT	%	17.6	19.1	19	23
PROTEIN	%	29.3	31.8	12	23
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		4.48	4.86		
SHEEP ME MCAL/KG *		3.67	3.98		
SHEEP TDN % *		101.6	110.2		

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W ADDED HULLS, MECH EXTD GRND, (5)

REF NO 5-09-636

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.6		
ASH	%		5.4		1
CRUDE FIBER	%		27.2		1
ETHER EXTRACT	%		6.7		1
NITROGEN FREE EXTRACT	%		29.1		1
PROTEIN	%		31.6		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.95		
SHEEP DE MCAL/KG *			2.87		
CATTLE ME MCAL/KG *			2.42		
SHEEP ME MCAL/KG *			2.35		
CATTLE NE-M MCAL/KG *			1.46		
CATTLE NE-GAIN MCAL/KG *			0.88		
CATTLE NE-LACTATION MCAL/KG *			1.59		
CATTLE TDN % *			66.9		
SHEEP TDN % *			65.1		

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W ADDED HULLS, SOLV EXTD GRND, (5)

REF NO 5-13-695

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.3		
ASH	%		6.7	10	13
CRUDE FIBER	%		19.6	21	13
ETHER EXTRACT	%		2.8	85	13
NITROGEN FREE EXTRACT	%		30.2	11	13
PROTEIN	%		40.6	9	13
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.60		
SHEEP DE MCAL/KG *			3.04		
CATTLE ME MCAL/KG *			2.13		
SHEEP ME MCAL/KG *			2.53		
CATTLE NE-M MCAL/KG *			1.26		
CATTLE NE-GAIN MCAL/KG *			0.62		
CATTLE NE-LACTATION MCAL/KG *			1.31		
CATTLE TDN % *			58.9		
SHEEP TDN % *			69.9		
ALANINE	%		1.88	18	7
ARGININE	%		4.68	21	7
ASPARTIC ACID	%		2.94	10	5
CYSTINE	%		0.69	20	7
GLUTAMIC ACID	%		7.99	27	5
GLYCINE	%		1.64	17	7
HISTIDINE	%		1.25	29	7
ISOLEUCINE	%		1.22	9	7
LEUCINE	%		2.24	9	7
LYSINE	%		2.01	25	7
METHIONINE	%		0.47	33	7
PHENYLALANINE	%		2.04	16	7
PROLINE	%		1.84	18	5
SERINE	%		1.72	14	7
THREONINE	%		1.30	7	7
TRYPTOPHAN	%		0.40	24	6
TYROSINE	%		2.07	71	7
VALINE	%		1.63	15	7

GOSSYPIUM HIRSUTUM UPLAND, SEEDS WO HULLS, TREATED W LIME MECH EXTD GRND CAKED, (5)

REF NO 5-13-549

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.8	100.0		1
ORGANIC MATTER	%	84.8	91.4		1
ASH	%	8.0	8.6		1
CRUDE FIBER	%	4.6	5.0		1
ETHER EXTRACT	%	11.3	12.2		1
NITROGEN FREE EXTRACT	%	17.3	18.6		1
PROTEIN	%	51.6	55.6		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.65	3.93		
SHEEP DE MCAL/KG *		3.63	3.92		
CATTLE ME MCAL/KG *		2.99	3.23		
SHEEP ME MCAL/KG *		2.98	3.21		
CATTLE NE-M MCAL/KG *		2.04	2.20		
CATTLE NE-GAIN MCAL/KG *		1.34	1.44		
CATTLE NE-LACTATION MCAL/KG *		2.19	2.36		
CATTLE TDN % *		82.8	89.2		
SHEEP TDN % *		82.4	88.8		

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W SOME HULLS, COOKED PREPRESSED SOLV EXTD GRND, (5)

REF NO 5-13-203

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.7	100.0	1	98
ETHER EXTRACT	%	1.1	1.2	73	98
PROTEIN	%	43.3	47.2	4	98
FATTY ACIDS	%				
ACETIC	%	6.740	7.353		1

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W SOME HULLS, MECH EXTD GRND, (5)

REF NO 5-09-637

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.0	100.0	2	98
ORGANIC MATTER	%	84.4	91.8	13	98
ASH	%	6.9	7.5	13	98
CRUDE FIBER	%	8.9	9.7	50	98
ETHER EXTRACT	%	5.9	6.4	66	98
NITROGEN FREE EXTRACT	%	27.0	29.4	17	98
PROTEIN	%	43.3	47.0	14	98
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.08	3.35		
SHEEP DE MCAL/KG *		3.34	3.63		
CATTLE ME MCAL/KG *		2.52	2.74		
SHEEP ME MCAL/KG *		2.74	2.98		
CATTLE NE-M MCAL/KG *		1.58	1.72		
CATTLE NE-GAIN MCAL/KG *		1.05	1.14		
CATTLE NE-LACTATION MCAL/KG *		1.75	1.90		
CATTLE TDN % *		69.8	75.9		
SHEEP TDN % *		75.8	82.4		
CALCIUM	%	0.39	0.42	47	30
IRON	%	0.023	0.025	65	11
PHOSPHORUS	%	1.14	1.23	48	31
POTASSIUM	%	2.11	2.29		1
NIACIN	MG/KG	31.8	34.5	33	9
RIBOFLAVIN	MG/KG	2.8	3.0	13	8
THIAMINE	MG/KG	5.3	5.8	81	6
GOSSYPOL, FREE	%	0.09	0.09		2

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W SOME HULLS, MECH EXTD GRND CAKED, (5)

REF NO 5-11-677

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.1	100.0	2	98
ORGANIC MATTER	%	83.9	92.2	14	98
ASH	%	7.0	7.7	14	98
CRUDE FIBER	%	9.3	10.2	45	98
ETHER EXTRACT	%	4.1	4.6	56	98
NITROGEN FREE EXTRACT	%	25.2	27.7	26	98
PROTEIN	%	45.5	49.9	17	98
ENERGY GE KCAL/KG					

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DE MCAL/KG *	2.91	3.20		
SHEEP	DE MCAL/KG *	3.19	3.50		
CATTLE	ME MCAL/KG *	2.39	2.62		
SHEEP	ME MCAL/KG *	2.62	2.87		
CATTLE	NE-M MCAL/KG *	1.47	1.62		
CATTLE	NE-GAIN MCAL/KG *	0.95	1.04		
CATTLE	NE-LACTATION MCAL/KG *	1.62	1.78		
CATTLE	TDN % *	66.0	72.5		
SHEEP	TDN % *	72.4	79.5		
CALCIUM	%	0.17	0.18	66	9
IRON	%	0.015	0.017		3
PHOSPHORUS	%	1.10	1.21	33	8

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W SOME HULLS, SOLV EXTD GRND, (5)

REF NO 5-10-107

DRY MATTER	%	90.9	100.0	1	30
ORGANIC MATTER	%	83.4	91.8	11	25
ASH	%	7.3	8.1	11	36
CRUDE FIBER	%	8.7	9.6	39	37
ETHER EXTRACT	%	1.5	1.7	81	38
NITROGEN FREE EXTRACT	%	27.9	30.7	15	36
PROTEIN	%	45.4	50.0	14	38
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.82	3.11		
SHEEP	DE MCAL/KG *	3.02	3.32		
CATTLE	ME MCAL/KG *	2.31	2.55		
SHEEP	ME MCAL/KG *	2.48	2.73		
CATTLE	NE-M MCAL/KG *	1.41	1.56		
CATTLE	NE-GAIN MCAL/KG *	0.90	0.99		
CATTLE	NE-LACTATION MCAL/KG *	1.55	1.71		
CATTLE	TDN % *	64.0	70.4		
SHEEP	TDN % *	68.5	75.4		
ARGININE	%	3.78	4.16		2
HISTIDINE	%	1.18	1.30		2
ISOLEUCINE	%	1.10	1.21		2
LEUCINE	%	1.91	2.11		2
LYSINE	%	1.47	1.62		2
METHIONINE	%	0.31	0.35		2
PHENYLALANINE	%	1.67	1.84		2
THREONINE	%	1.21	1.34		2
TRYPTOPHAN	%	0.27	0.30		2
TYROSINE	%	1.10	1.21		2
VALINE	%	1.54	1.70		2
GOSSYPOL, FREE	%	0.03	0.04		3

GOSSYPIUM HIRSUTUM UPLAND, SEEDS W SOME HULLS, SOLV EXTD GRND CAKED, (5)

REF NO 5-11-678

DRY MATTER	%	90.3	100.0	1	54
ORGANIC MATTER	%	82.8	91.8	15	53
ASH	%	7.4	8.2	15	66
CRUDE FIBER	%	8.3	9.2	54	66
ETHER EXTRACT	%	1.6	1.8	35	66
NITROGEN FREE EXTRACT	%	24.1	26.7	14	66
PROTEIN	%	48.9	54.2	12	66
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.78	3.08		
SHEEP	DE MCAL/KG *	3.00	3.32		
CATTLE	ME MCAL/KG *	2.28	2.52		
SHEEP	ME MCAL/KG *	2.46	2.73		
CATTLE	NE-M MCAL/KG *	1.39	1.54		
CATTLE	NE-GAIN MCAL/KG *	0.88	0.97		
CATTLE	NE-LACTATION MCAL/KG *	1.52	1.69		
CATTLE	TDN % *	63.0	69.8		
SHEEP	TDN % *	68.1	75.4		
CALCIUM	%	0.27	0.30		2
PHOSPHORUS	%	1.49	1.65		2

GOSSYPIUM SPP, COTTON

GOSSYPIUM SPP, HULLS, (1)
COTTONSEED HULLS (AAFCO)

REF NO 1-01-599

DRY MATTER	%	89.3	100.0	4	18
DM IN VITRO (TILLY) DIG COEF	%	24.	24.		1
ORGANIC MATTER	%	87.3	97.8	95	2
ASH	%	4.9	5.5	95	20
SHEEP DIG COEF	%	46.	46.		
CRUDE FIBER	%	39.4	44.1	33	25
CATTLE DIG COEF	%	48.	48.		2
SHEEP DIG COEF	%	53.	53.		2
ETHER EXTRACT	%	2.1	2.3	83	24
CATTLE DIG COEF	%	78.	78.		2
SHEEP DIG COEF	%	76.	76.		2
NITROGEN FREE EXTRACT	%	37.3	41.7	33	23
CATTLE DIG COEF	%	42.	42.		2
SHEEP DIG COEF	%	60.	60.		2
PROTEIN	%	5.7	6.4	54	24
CATTLE DIG COEF	%	6.	6.		1
CATTLE DIG PROT	%	0.3	0.4		
GOATS DIG PROT	% *	2.3	2.5		
HORSES DIG PROT	% *	2.7	3.0		
RABBITS DIG PROT	% *	3.2	3.6		
SHEEP DIG PROT	% *	(2.1)	(2.3)		
LIGNIN (ELLIS)	%	20.5	22.9		
ENERGY	GE KCAL/KG	3804.	4258.		
CATTLE	DE MCAL/KG *	1.69	1.89		
HORSES	DE MCAL/KG *	1.48	1.65		
SHEEP	DE MCAL/KG *	2.08	2.33		
CATTLE	ME MCAL/KG *	1.39	1.55		
HORSES	ME MCAL/KG *	1.21	1.36		
SHEEP	ME MCAL/KG *	1.70	1.91		
CATTLE	NE-M MCAL/KG *	0.84	0.94		
CATTLE	NE-GAIN MCAL/KG *	-0.03	-0.04		
CATTLE	NE-LACTATION MCAL/KG *	0.68	0.76		
CATTLE	TDN %	38.4	42.9		2
HORSES	TDN % *	36.3	40.6		
SHEEP	TDN %	47.1	52.8		2
CALCIUM	%	(0.28)	(0.32)	98	4
MAGNESIUM	%	0.13	0.14		1
PHOSPHORUS	%	(0.09)	(0.10)		3
POTASSIUM	%	(0.86)	(0.96)		1
RIBOFLAVIN	MG/KG	3.7	4.1		2

GOSSYPIUM SPP, STEMS, S-C, POST RIPE, (1)

REF NO 1-13-694

DRY MATTER	%		100.0	
ORGANIC MATTER	%		91.9	
ASH	%		8.1	1
CRUDE FIBER	%		64.9	1
ETHER EXTRACT	%		0.9	1
NITROGEN FREE EXTRACT	%		20.8	1
PROTEIN	%		5.3	1
CATTLE DIG PROT	% *		1.5	
GOATS DIG PROT	% *		1.5	
HORSES DIG PROT	% *		2.0	
RABBITS DIG PROT	% *		2.8	
SHEEP DIG PROT	% *		1.3	
ALANINE	%		0.22	1
ARGININE	%		0.10	1
ASPARTIC ACID	%		0.41	1
GLUTAMIC ACID	%		0.33	1
GLYCINE	%		0.11	1
HISTIDINE	%		0.03	1
ISOLEUCINE	%		0.09	1
LEUCINE	%		0.15	1
LYSINE	%		0.05	1
METHIONINE	%		0.03	1
PHENYLALANINE	%		0.08	1
SERINE	%		0.10	1
THREONINE	%		0.22	1
TYROSINE	%		0.30	1
VALINE	%		0.12	1

GOSSYPIUM SPP, SEEDS, MECH EXTD GRND CAKED, (4)

REF NO 4-11-743

DRY MATTER	%	94.0	100.0		1
ORGANIC MATTER	%	87.0	92.5		
ASH	%	7.0	7.5		3
CRUDE FIBER	%	12.9	13.7		3
ETHER EXTRACT	%	5.8	6.1		3
NITROGEN FREE EXTRACT	%	27.8	29.6		3
PROTEIN	%	40.5	43.1		3
CATTLE DIG PROT	% *	33.4	35.6		
GOATS DIG PROT	% *	34.5	36.7		
HORSES DIG PROT	% *	34.5	36.7		
SHEEP DIG PROT	% *	34.5	36.7		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.79	2.97		
SHEEP	ME MCAL/KG *	2.29	2.43		
SHEEP	TDN % *	63.2	67.3		
CALCIUM	%	0.55	0.59		1
PHOSPHORUS	%	0.61	0.65		1

GOSSYPIUM SPP, SEEDS, SOLV EXTD GRND, (4)

REF NO 4-11-744

DRY MATTER	%	89.5	100.0		2
ORGANIC MATTER	%	84.3	94.1		
ASH	%	5.2	5.9		2
CRUDE FIBER	%	20.0	22.4		2
ETHER EXTRACT	%	1.2	1.3		2
NITROGEN FREE EXTRACT	%	36.2	40.4		2
PROTEIN	%	26.9	30.0		2
CATTLE DIG PROT	% *	21.1	23.6		
GOATS DIG PROT	% *	22.2	24.8		
HORSES DIG PROT	% *	22.2	24.8		
SHEEP DIG PROT	% *	22.2	24.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.57	2.87		
SHEEP	ME	MCAL/KG *	2.10	2.35		
SHEEP		TDN % *	58.2	65.0		

GOSSYPIUM SPP, SEEDS WO LINT, (4)

REF NO 4-13-542

DRY MATTER		%	90.1	100.0	2
ORGANIC MATTER		%	86.2	95.7	
ASH		%	3.9	4.4	2
CRUDE FIBER		%	28.0	31.1	2
ETHER EXTRACT		%	17.4	19.4	2
NITROGEN FREE EXTRACT		%	23.2	25.7	2
PROTEIN		%	17.6	19.5	2
CATTLE	DIG PROT	% *	12.5	13.9	
GOATS	DIG PROT	% *	13.6	15.1	
HORSES	DIG PROT	% *	13.6	15.1	
SHEEP	DIG PROT	% *	13.6	15.1	

GOSSYPIUM SPP, SEEDS, EXTN UNSPECIFIED GRND, (5)
COTTONSEED MEAL

REF NO 5-01-607

DRY MATTER		%	92.8	100.0	2
ORGANIC MATTER		%	(87.0)	(93.8)	
ASH		%	(5.7)	(6.2)	1
CRUDE FIBER		%	(22.7)	(24.5)	2
ETHER EXTRACT		%	(4.8)	(5.1)	2
NITROGEN FREE EXTRACT		%	(32.9)	(35.5)	
PROTEIN		%	(26.7)	(28.7)	2
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	(2.54)	(2.74)	
SHEEP	DE	MCAL/KG *	(2.66)	(2.86)	
CATTLE	ME	MCAL/KG *	(2.09)	(2.25)	
SHEEP	ME	MCAL/KG *	(2.18)	(2.35)	
CATTLE	NE-M	MCAL/KG *	(1.24)	(1.34)	
CATTLE	NE-GAIN	MCAL/KG *	(0.68)	(0.73)	
CATTLE	NE-LACTATION	MCAL/KG *	(1.32)	(1.43)	
CATTLE		TDN % *	(57.7)	(62.2)	
SHEEP		TDN % *	(60.3)	(65.0)	

GOSSYPIUM SPP, SEEDS, GRND, (5)
COTTONSEED, WHOLE, GROUND

REF NO 5-01-608

DRY MATTER		%	(91.5)	(100.0)	1	4
ORGANIC MATTER		%	88.0	96.2		
ASH		%	3.5	3.8	1	
CRUDE FIBER		%	18.8	20.5	2	
SHEEP	DIG COEF	%	64.	64.	1	
ETHER EXTRACT		%	22.0	24.1	2	
SHEEP	DIG COEF	%	92.	92.	1	
NITROGEN FREE EXTRACT		%	26.3	28.7	2	
SHEEP	DIG COEF	% *	59.	59.		
PROTEIN		%	21.0	22.9	2	
SHEEP	DIG COEF	%	74.	74.	1	
SHEEP	DIG PROT	%	15.5	17.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.09	3.38		
SHEEP	DE	MCAL/KG *	3.91	4.27		
CATTLE	ME	MCAL/KG *	2.53	2.77		
SHEEP	ME	MCAL/KG *	3.20	3.50		
CATTLE	NE-M	MCAL/KG *	1.60	1.74		
CATTLE	NE-GAIN	MCAL/KG *	1.06	1.15		
CATTLE	NE-LACTATION	MCAL/KG *	1.76	1.92		
CATTLE		TDN % *	70.1	76.6		
SHEEP		TDN % *	(88.6)	(96.8)		
CALCIUM		%	(0.14)	(0.15)	2	
COPPER		MG/KG	(49.4)	(54.0)	1	
IRON		%	(0.014)	(0.015)	1	
MAGNESIUM		%	(0.32)	(0.35)	1	
MANGANESE		MG/KG	(12.0)	(13.1)	1	
PHOSPHORUS		%	(0.67)	(0.73)	2	
POTASSIUM		%	(1.10)	(1.20)	1	
SODIUM		%	(0.29)	(0.31)	1	
SULPHUR		%	(0.24)	(0.26)	1	
A-TOCOPHEROL		MG/KG	108.8	118.9	1	

GOSSYPIUM SPP, SEEDS W ADDED HULLS, (5)

REF NO 5-13-543

DRY MATTER	%	92.3	100.0	1
ORGANIC MATTER	%	90.5	98.1	
ASH	%	1.8	1.9	1
CRUDE FIBER	%	42.6	46.1	1
ETHER EXTRACT	%	14.8	16.0	1
NITROGEN FREE EXTRACT	%	12.9	14.0	1
PROTEIN	%	20.3	22.0	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO

GOSSYPIUM SPP, SEEDS W ADDED HULLS, MECH EXTD GRND, HIGH FIBER, (5)

REF NO 5-01-610

DRY MATTER		%	90.7	100.0	2
ORGANIC MATTER		%	87.4	96.4	
ASH		%	3.3	3.6	2
CRUDE FIBER		%	26.4	29.1	2
ETHER EXTRACT		%	5.1	5.6	2
NITROGEN FREE EXTRACT		%	30.3	33.4	2
PROTEIN		%	25.6	28.2	2
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.61	2.88	
SHEEP	DE	MCAL/KG *	2.48	2.73	
CATTLE	ME	MCAL/KG *	2.14	2.36	
SHEEP	ME	MCAL/KG *	2.03	2.24	
CATTLE	NE-M	MCAL/KG *	1.28	1.41	
CATTLE	NE-GAIN	MCAL/KG *	0.75	0.83	
CATTLE	NE-LACTATION	MCAL/KG *	1.39	1.53	
CATTLE		TDN % *	59.2	65.2	
SHEEP		TDN % *	56.3	62.0	
CALCIUM		%	0.26	0.29	2
MAGNESIUM		%	0.30	0.33	1
PHOSPHORUS		%	0.37	0.41	2
POTASSIUM		%	1.89	2.08	1
SODIUM		%	0.03	0.03	1

GOSSYPIUM SPP, SEEDS W LINT, LOW PROTEIN HIGH FIBER, (5)

REF NO 5-01-614

DRY MATTER		%	92.8	100.0	1
ORGANIC MATTER		%	88.8	95.7	
ASH		%	4.0	4.3	1
CRUDE FIBER		%	18.2	19.6	1
ETHER EXTRACT		%	15.0	16.2	1
NITROGEN FREE EXTRACT		%	36.1	38.9	1
PROTEIN		%	19.5	21.0	1
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.99	3.22	
SHEEP	DE	MCAL/KG *	3.43	3.69	
CATTLE	ME	MCAL/KG *	2.45	2.64	
SHEEP	ME	MCAL/KG *	2.81	3.03	
CATTLE	NE-M	MCAL/KG *	1.51	1.63	
CATTLE	NE-GAIN	MCAL/KG *	0.98	1.06	
CATTLE	NE-LACTATION	MCAL/KG *	1.67	1.80	
CATTLE		TDN % *	67.7	73.0	
SHEEP		TDN % *	77.8	83.8	

GOSSYPIUM SPP, SEEDS WO HULLS, MECH EXTD GRND, (5)

REF NO 5-13-544

DRY MATTER		%	90.5	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	75.	75.	1
ORGANIC MATTER		%	83.6	92.4	1
ASH		%	4.7	5.2	2
CRUDE FIBER		%	6.5	7.2	2
ETHER EXTRACT		%	3.1	3.4	2
NITROGEN FREE EXTRACT		%	31.2	34.5	2
PROTEIN		%	45.0	49.8	2
ENERGY	GE	KCAL/KG	3902.	4314.	1
CATTLE	DE	MCAL/KG *	3.28	3.63	
SHEEP	DE	MCAL/KG *	3.34	3.69	
CATTLE	ME	MCAL/KG *	2.69	2.98	
SHEEP	ME	MCAL/KG *	2.74	3.02	
CATTLE	NE-M	MCAL/KG *	1.75	1.94	
CATTLE	NE-GAIN	MCAL/KG *	1.17	1.29	
CATTLE	NE-LACTATION	MCAL/KG *	1.92	2.12	
CATTLE		TDN % *	74.5	82.4	
SHEEP		TDN % *	75.7	83.6	
CALCIUM		%	0.15	0.17	2
PHOSPHORUS		%	0.77	0.86	2
ARGININE		%	5.53	6.11	1
CYSTINE		%	0.94	1.04	1
HISTIDINE		%	1.26	1.39	1
ISOLEUCINE		%	1.93	2.13	1
LEUCINE		%	3.05	3.37	1
LYSINE		%	2.04	2.25	1
METHIONINE		%	0.79	0.87	1
PHENYLALANINE		%	2.54	2.81	1
THREONINE		%	1.65	1.82	1
TRYPTOPHAN		%	0.76	0.84	1
VALINE		%	2.37	2.62	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS NO HULLS, SOLV EXTD GRND CAKED, (5)					
REF NO 5-13-697					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.7		
ASH	%		9.3	24	7
CRUDE FIBER	%		7.0	30	7
ETHER EXTRACT	%		1.6	39	7
NITROGEN FREE EXTRACT	%		30.8	30	6
PROTEIN	%		51.2	12	7
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			3.23		
SHEEP DE MCAL/KG *			3.30		
CATTLE ME MCAL/KG *			2.64		
SHEEP ME MCAL/KG *			2.71		
CATTLE NE-M MCAL/KG *			1.64		
CATTLE NE-GAIN MCAL/KG *			1.06		
CATTLE NE-LACTATION MCAL/KG *			1.60		
CATTLE TDN % *			73.2		
SHEEP TDN % *			74.9		
CALCIUM	%		0.53		3
PHOSPHORUS	%		1.58		2
POTASSIUM	%		1.73		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS NO HULLS NO LINT, MECH EXTD GRND CAKED, (5)					
REF NO 5-11-591					
DRY MATTER	%	93.2	100.0		2
ORGANIC MATTER	%	87.8	94.3		
ASH	%	5.4	5.8		2
CRUDE FIBER	%	2.9	3.1		2
ETHER EXTRACT	%	12.6	13.6		2
NITROGEN FREE EXTRACT	%	27.7	29.8		2
PROTEIN	%	44.6	47.9		2
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.58	3.84		
SHEEP DE MCAL/KG *		3.97	4.27		
CATTLE ME MCAL/KG *		2.93	3.15		
SHEEP ME MCAL/KG *		3.26	3.50		
CATTLE NE-M MCAL/KG *		1.97	2.12		
CATTLE NE-GAIN MCAL/KG *		1.30	1.40		
CATTLE NE-LACTATION MCAL/KG *		2.13	2.28		
CATTLE TDN % *		81.1	87.1		
SHEEP TDN % *		90.1	96.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS W SOME HULLS, (5)					
REF NO 5-13-749					
DRY MATTER	%	93.5	100.0		1
ORGANIC MATTER	%	85.3	91.2		
ASH	%	8.2	8.8		1
CRUDE FIBER	%	8.0	8.6		1
ETHER EXTRACT	%	21.9	23.4		1
NITROGEN FREE EXTRACT	%	28.1	30.1		1
PROTEIN	%	27.2	29.1		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.97	3.17		
SHEEP DE MCAL/KG *		3.97	4.24		
CATTLE ME MCAL/KG *		2.43	2.60		
SHEEP ME MCAL/KG *		3.25	3.48		
CATTLE NE-M MCAL/KG *		1.50	1.60		
CATTLE NE-GAIN MCAL/KG *		0.96	1.03		
CATTLE NE-LACTATION MCAL/KG *		1.65	1.76		
CATTLE TDN % *		67.3	71.9		
SHEEP TDN % *		90.0	96.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, (5)					
REF NO 5-10-501					
DRY MATTER	%	92.6	100.0	2	50
ORGANIC MATTER	%	88.5	95.6	33	3
ASH	%	6.3	6.8	33	74
CRUDE FIBER	%	18.1	19.6	38	50
ETHER EXTRACT	%	5.5	6.0	62	47
NITROGEN FREE EXTRACT	%	27.2	29.4	23	35
PROTEIN	%	35.5	38.3	24	86
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.72	2.93		
SHEEP DE MCAL/KG *		3.00	3.24		
CATTLE ME MCAL/KG *		2.23	2.41		
SHEEP ME MCAL/KG *		2.46	2.65		
CATTLE NE-M MCAL/KG *		1.34	1.45		
CATTLE NE-GAIN MCAL/KG *		0.81	0.87		
CATTLE NE-LACTATION MCAL/KG *		1.46	1.58		
CATTLE TDN % *		61.6	66.6		
SHEEP TDN % *		67.9	73.4		
CALCIUM	%	0.32	0.35	25	16
PHOSPHORUS	%	0.71	0.77	33	16

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 36% PROTEIN, (5) COTTONSEED MEAL, MECHANICAL EXTRACTED (AAFCO) COTTONSEED MEAL, EXPELLER EXTRACTED COTTONSEED MEAL, HYDRAULIC EXTRACTED					
REF NO 5-01-625					
DRY MATTER	%	91.1	100.0	3	11
ORGANIC MATTER	%	85.4	93.7		
ASH	%	5.7	6.3	20	10
CRUDE FIBER	%	12.4	13.6	21	11
ETHER EXTRACT	%	3.2	3.5	61	11
NITROGEN FREE EXTRACT	%	30.2	33.1	11	10
PROTEIN	%	39.6	43.5	8	11
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.79	3.07		
SHEEP DE MCAL/KG *		3.10	3.41		
CATTLE ME MCAL/KG *		2.29	2.51		
SHEEP ME MCAL/KG *		2.53	2.79		
CATTLE NE-M MCAL/KG *		1.40	1.53		
CATTLE NE-GAIN MCAL/KG *		0.88	0.96		
CATTLE NE-LACTATION MCAL/KG *		1.53	1.68		
CATTLE TDN % *		63.4	69.5		
SHEEP TDN % *		(70.4)	(77.3)		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 41% PROTEIN MX 14% FIBER MN 2% FAT, (5) COTTONSEED MEAL, 41% PROTEIN					
REF NO 5-01-617					
DRY MATTER	%	(92.7)	(100.0)	1	9
ORGANIC MATTER	%	86.3	93.1	4	1
ASH	%	6.1	6.6	4	7
CRUDE FIBER	%	10.8	11.6	14	9
ETHER EXTRACT	%	4.3	4.7	38	9
NITROGEN FREE EXTRACT	%	30.6	33.0	3	7
PROTEIN	%	(40.9)	(44.1)	2	9
SUGARS, TOTAL	%	(6.5)	(7.0)		1
LIGNIN (ELLIS)	%	6.4	6.9		1
FATTY ACIDS	%				
LINOLEIC	%	2.467	2.660		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.00	3.23		
SHEEP DE MCAL/KG *		3.06	3.30		
CATTLE ME MCAL/KG *		2.46	2.65		
CHICKENS ME-N KCAL/KG		2322.	2504.		2
SHEEP ME MCAL/KG *		2.51	2.71		
CATTLE NE-M MCAL/KG *		1.52	1.64		
CATTLE NE-GAIN MCAL/KG *		0.99	1.07		
CATTLE NE-LACTATION MCAL/KG *		(1.68)	(1.81)		
CHICKENS PRODUCTIVE KCAL/KG		1774.	1913.		1
CATTLE TDN % *		67.9	73.2		
SHEEP TDN % *		(69.5)	(74.9)		
CALCIUM	%	(0.20)	(0.22)	30	6
CHLORINE	%	(0.04)	(0.04)		3
COPPER	MG/KG	(18.6)	(20.1)		1
IODINE	MG/KG	(0.125)	(0.134)		1
IRON	%	(0.016)	(0.017)		1
MAGNESIUM	%	(0.52)	(0.56)		1
MANGANESE	MG/KG	(22.9)	(24.7)		2
PHOSPHORUS	%	(1.05)	(1.13)	8	6
CHICKENS, CHICKS AVAILABLE	%	(0.33)	(0.35)		2
POTASSIUM	%	(1.16)	(1.28)		1
SODIUM	%	(0.04)	(0.04)		3
SULPHUR	%	(0.40)	(0.43)		1
A-TOCOPHEROL	MG/KG	(39.5)	(42.6)		1
BIOTIN	MG/KG	(0.60)	(0.65)		2
CHOLINE	MG/KG	(2755.)	(2970.)	1	4
FOLIC ACID	MG/KG	(0.99)	(1.06)		1
NIACIN	MG/KG	(37.7)	(40.7)	13	4
PANTOTHENIC ACID	MG/KG	(13.2)	(14.3)	22	4
RIBOFLAVIN	MG/KG	(5.1)	(5.5)	20	4
THIAMINE	MG/KG	(6.4)	(6.9)		1
VITAMIN B6	MG/KG	5.23	5.64		1
VITAMIN A EQUIV	IU/G	(0.4)	(0.4)		
ARGININE	%	(4.27)	(4.60)		3
CYSTINE	%	(0.85)	(0.91)		3
GLYCINE	%	(2.28)	(2.46)		3
HISTIDINE	%	(1.09)	(1.17)		1
ISOLEUCINE	%	(1.58)	(1.70)		1
LEUCINE	%	(2.47)	(2.66)		1
LYSINE	%	(1.51)	(1.63)	7	4
METHIONINE	%	(0.64)	(0.69)		3
PHENYLALANINE	%	(2.17)	(2.34)		1
THREONINE	%	(1.38)	(1.49)		1
TRYPTOPHAN	%	(0.54)	(0.59)		3
TYROSINE	%	(0.69)	(0.74)		1
VALINE	%	(1.97)	(2.13)		1
GOSSYPOL, TOTAL	%	(1.03)	(1.11)		1
GOSSYPOL, FREE	%	(0.02)	(0.02)		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND, MN 36% PROTEIN MX 17% FIBER MN 2% FAT, (5) COTTONSEED MEAL, 36% PROTEIN						
REF NO 5-01-615						
DRY MATTER		%		(100.0)		
ORGANIC MATTER		%		(94.2)		
ASH		%		(5.8)		1
CRUDE FIBER		%		(27.8)		1
ETHER EXTRACT		%		(6.5)		1
NITROGEN FREE EXTRACT		%		(25.7)		1
PROTEIN		%		(34.2)		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		(2.90)		
SHEEP	DE	MCAL/KG *		(2.85)		
CATTLE	ME	MCAL/KG *		(2.38)		
SHEEP	ME	MCAL/KG *		(2.34)		
CATTLE	NE-M	MCAL/KG *		(1.43)		
CATTLE	NE-GAIN	MCAL/KG *		(0.85)		
CATTLE	NE-LACTATION	MCAL/KG *		(1.55)		
CATTLE		TDN % *		(65.9)		
SHEEP		TDN % *		64.6		
GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND CAKED, (5)						
REF NO 5-13-548						
DRY MATTER		%	92.1	100.0	3	5
ORGANIC MATTER		%	84.9	92.2		
ASH		%	7.2	7.8	25	9
CRUDE FIBER		%	12.5	13.5	14	9
ETHER EXTRACT		%	7.8	8.5	87	9
NITROGEN FREE EXTRACT		%	26.1	28.3	22	9
PROTEIN		%	38.5	41.8	19	9
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.04	3.30		
SHEEP	DE	MCAL/KG *	3.29	3.57		
CATTLE	ME	MCAL/KG *	2.49	2.71		
SHEEP	ME	MCAL/KG *	2.70	2.93		
CATTLE	NE-M	MCAL/KG *	1.56	1.69		
CATTLE	NE-GAIN	MCAL/KG *	1.02	1.11		
CATTLE	NE-LACTATION	MCAL/KG *	1.72	1.86		
CATTLE		TDN % *	69.0	74.9		
SHEEP		TDN % *	74.6	81.0		
CALCIUM		%	0.25	0.27		3
PHOSPHORUS		%	1.10	1.19		3
GOSSYPIUM SPP, SEEDS W SOME HULLS, MECH EXTD GRND CAKED, MN 36% PROTEIN, (5) COTTONSEED CAKE, MECHANICAL EXTRACTED (AAFCO)						
REF NO 5-01-623						
DRY MATTER		%	90.9	100.0	3	8
ORGANIC MATTER		%	84.2	92.6		
ASH		%	6.7	7.4	32	11
CRUDE FIBER		%	11.0	12.1	34	11
ETHER EXTRACT		%	6.6	7.2	44	11
NITROGEN FREE EXTRACT		%	29.0	31.9	16	11
PROTEIN		%	37.6	41.4	10	11
ENERGY	GE	KCAL/KG	4217.	4642.		1
CATTLE	DE	MCAL/KG *	2.99	3.29		
SHEEP	DE	MCAL/KG *	3.26	3.59		
CATTLE	ME	MCAL/KG *	2.45	2.69		
SHEEP	ME	MCAL/KG *	2.68	2.95		
CATTLE	NE-M	MCAL/KG *	1.53	1.68		
CATTLE	NE-GAIN	MCAL/KG *	1.00	1.10		
CATTLE	NE-LACTATION	MCAL/KG *	1.68	1.85		
CATTLE		TDN % *	67.7	74.5		
SHEEP		TDN % *	74.0	81.5		
CALCIUM		%	0.47	0.51		2
MAGNESIUM		%	0.60	0.66		1
PHOSPHORUS		%	0.96	1.06		2
POTASSIUM		%	2.89	3.18		1
SODIUM		%	0.02	0.02		1
GOSSYPIUM SPP, SEEDS W SOME HULLS, PREPRESSED SOLV EXTD GRND, 41% PROTEIN, (5) COTTONSEED MEAL, PRE-PRESS SOLVENT EXTRACTED,						
REF NO 5-07-872						
DRY MATTER		%	92.1	100.0	1	7
ORGANIC MATTER		%	86.1	93.4		
ASH		%	6.1	6.6	56	4
CRUDE FIBER		%	12.5	13.6	11	4
ETHER EXTRACT		%	3.3	3.6	98	4
NITROGEN FREE EXTRACT		%	30.9	33.0	16	4
PROTEIN		%	39.8	43.2	5	5
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.81	3.05		
SHEEP	DE	MCAL/KG *	3.13	3.40		
SWINE	DE	KCAL/KG *	2757.	2992.		
CATTLE	ME	MCAL/KG *	2.31	2.50		
CHICKENS	ME-N	KCAL/KG	2458.	2667.		1
SHEEP	ME	MCAL/KG *	2.57	2.79		
SWINE	ME	KCAL/KG	2661.	2888.		1
CATTLE	NE-M	MCAL/KG *	1.40	1.52		
CATTLE	NE-GAIN	MCAL/KG *	0.88	0.95		
CATTLE	NE-LACTATION	MCAL/KG *	1.54	1.67		
CATTLE		TDN % *	63.8	69.3		
SHEEP		TDN % *	71.0	77.0		
SWINE		TDN %	62.5	67.9		1
CALCIUM		%	(0.63)	(0.69)		1
COPPER		MG/KG	(18.2)	(19.8)		1
IRON		%	(0.011)	(0.012)		1
MAGNESIUM		%	(0.41)	(0.44)		1
MANGANESE		MG/KG	20.5	22.2		1
PHOSPHORUS		%	(1.07)	(1.16)		1
POTASSIUM		%	(1.25)	(1.36)		1
SODIUM		%	(0.04)	(0.04)		1
ZINC		MG/KG	(63.9)	(69.3)		1
BIOTIN		MG/KG	(0.56)	(0.61)		1
CHOLINE		MG/KG	(3006.)	(3263.)		1
FOLIC ACID		MG/KG	(2.73)	(2.96)		1
NIACIN		MG/KG	(41.3)	(44.8)		1
PANTOTHENIC ACID		MG/KG	(7.2)	(7.8)		1
RIBOFLAVIN		MG/KG	(4.1)	(4.4)		1
THIAMINE		MG/KG	(3.4)	(3.7)		1
ARGININE		%	(4.70)	(5.11)		1
CYSTINE		%	(0.66)	(0.71)		1
GLYCINE		%	(1.74)	(1.89)		1
HISTIDINE		%	(1.13)	(1.22)		1
ISOLEUCINE		%	(1.36)	(1.48)		1
LYSINE		%	(1.75)	(1.90)		1
METHIONINE		%	(0.53)	(0.58)		1
PHENYLALANINE		%	(2.28)	(2.47)		1
THREONINE		%	(1.35)	(1.47)		1
TRYPTOPHAN		%	(0.48)	(0.52)		1
VALINE		%	1.93	2.09		1
GOSSYPOL, FREE		%	0.02	0.02		2
GOSSYPIUM SPP, SEEDS W SOME HULLS, PREPRESSED SOLV EXTD GRND CAKED, (5)						
REF NO 5-13-547						
DRY MATTER		%	92.7	100.0		2
ORGANIC MATTER		%	85.6	92.3		
ASH		%	7.1	7.7		2
CRUDE FIBER		%	10.0	10.7		2
ETHER EXTRACT		%	6.1	6.6		2
NITROGEN FREE EXTRACT		%	32.9	35.5		2
PROTEIN		%	36.5	39.4		2
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.07	3.31		
SHEEP	DE	MCAL/KG *	3.33	3.59		
CATTLE	ME	MCAL/KG *	2.52	2.71		
SHEEP	ME	MCAL/KG *	2.73	2.94		
CATTLE	NE-M	MCAL/KG *	1.57	1.70		
CATTLE	NE-GAIN	MCAL/KG *	1.03	1.11		
CATTLE	NE-LACTATION	MCAL/KG *	1.73	1.87		
CATTLE		TDN % *	69.6	75.1		
SHEEP		TDN % *	75.5	81.5		
GOSSYPOL, FREE		%	0.05	0.05		3
GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND, (5) COTTONSEED MEAL, SOLVENT EXTRACTED						
REF NO 5-08-607						
DRY MATTER		%	92.6	100.0	2	43
ORGANIC MATTER		%	86.8	93.6	28	5
ASH		%	5.2	5.6	28	44
CRUDE FIBER		%	16.8	18.1	30	51
ETHER EXTRACT		%	1.4	1.5	70	57
NITROGEN FREE EXTRACT		%	33.1	35.7	17	40
PROTEIN		%	36.1	39.0	19	70
SUGARS, TOTAL		%	32.7	35.2	4	4
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.51	2.71		
SHEEP	DE	MCAL/KG *	2.89	3.12		
CATTLE	ME	MCAL/KG *	2.06	2.23		
SHEEP	ME	MCAL/KG *	2.37	2.56		
CATTLE	NE-M	MCAL/KG *	1.23	1.32		
CATTLE	NE-GAIN	MCAL/KG *	0.66	0.71		
CATTLE	NE-LACTATION	MCAL/KG *	1.30	1.40		
CATTLE		TDN % *	57.0	61.6		
SHEEP		TDN % *	65.6	70.8		
CALCIUM		%	0.42	0.45	98	23
MAGNESIUM		%	1.06	1.15		1
PHOSPHORUS		%	0.68	0.73	39	21
POTASSIUM		%	1.67	1.80		1
ARGININE		%	5.03	5.43		1
GLYCINE		%	2.03	2.19		1
ISOLEUCINE		%	1.48	1.60		1
LYSINE		%	1.94	2.09	7	9

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
METHIONINE	%	0.55	0.60	8	9
PHENYLALANINE	%	2.30	2.48		1
GOSSYPOL, FREE	%	0.04	0.04		1

GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND, MN 36% PROTEIN, (5)
COTTONSEED MEAL, SOLVENT EXTRACTED (AAFCO)

REF NO 5-01-632

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.9	100.0	1	9
ORGANIC MATTER	%	89.8	97.7		
ASH	%	2.1	2.3		1
CRUDE FIBER	%	13.8	15.0	9	9
ETHER EXTRACT	%	0.9	0.9	50	9
NITROGEN FREE EXTRACT	%	34.7	37.8		1
PROTEIN	%	40.5	44.0	1	9
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		3.15	3.43		
SHEEP ME MCAL/KG *		2.59	2.81		
SHEEP TDN % *		71.5	77.8		
CALCIUM	%	0.13	0.14		1
PHOSPHORUS	%	0.37	0.40		1

GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND, MN 41% PROTEIN MX 14% FIBER MN 0.5% FAT, (5)
COTTONSEED MEAL, SOLVENT EXTRACTED, 41% PROTEIN

REF NO 5-01-621

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.6	100.0	2	15
ORGANIC MATTER	%	81.1	88.6		
ASH	%	10.4	11.4	35	5
CRUDE FIBER	%	13.3	14.5	12	12
ETHER EXTRACT	%	1.2	1.3	47	13
NITROGEN FREE EXTRACT	%	25.0	27.4	5	5
PROTEIN	%	41.6	45.4	7	15
FATTY ACIDS	%				
LINOLEIC	%	0.800	0.874		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.13	2.33		
SHEEP DE MCAL/KG *		2.79	3.05		
SWINE DE KCAL/KG *		2762.	3017.		
CATTLE ME MCAL/KG *		1.75	1.91		
CHICKENS ME-N KCAL/KG		2093.	2286.		3
SHEEP ME MCAL/KG *		2.29	2.50		
SWINE ME KCAL/KG		2365.	2583.		1
CATTLE NE-M MCAL/KG *		1.03	1.13		
CATTLE NE-GAIN MCAL/KG *		0.36	0.39		
CATTLE NE-LACTATION MCAL/KG *		(1.01)	(1.11)		
CHICKENS PRODUCTIVE KCAL/KG		1590.	1736.		2
CATTLE TDN % *		48.4	52.9		
SHEEP TDN % *		63.3	69.2		
SWINE TDN %		(62.7)	(68.4)		1
CALCIUM	%	(0.19)	(0.20)	21	6
CHLORINE	%	(0.05)	(0.05)		2
COPPER	MG/KG	(21.5)	(23.4)		2
IRON	%	(0.018)	(0.019)		2
MAGNESIUM	%	(0.58)	(0.64)		2
MANGANESE	MG/KG	(19.7)	(21.5)	4	4
PHOSPHORUS	%	(1.11)	(1.22)	7	7
CHICKENS, CHICKS AVAILABLE	%	(0.37)	(0.40)		2
POTASSIUM	%	(1.49)	(1.63)		2
SODIUM	%	(0.05)	(0.05)		3
SULPHUR	%	(0.21)	(0.23)		1
A-TOCOPHEROL	MG/KG	(10.6)	(11.6)		3
BIOTIN	MG/KG	(0.61)	(0.66)		2
CHOLINE	MG/KG	(2788.)	(3046.)	4	5
FOLIC ACID	MG/KG	(0.96)	(1.04)		2
NIACIN	MG/KG	(43.2)	(47.2)	8	4
PANTOTHENIC ACID	MG/KG	(15.0)	(16.4)	17	5
RIBOFLAVIN	MG/KG	(11.1)	(12.1)	98	5
THIAMINE	MG/KG	(6.1)	(6.6)		2
VITAMIN B6	MG/KG	(6.40)	(6.99)		1
ARGININE	%	(4.22)	(4.60)	6	6
CYSTINE	%	(0.88)	(0.96)	8	5
GLYCINE	%	(2.24)	(2.45)	8	5
HISTIDINE	%	(1.11)	(1.21)	3	4
ISOLEUCINE	%	(1.57)	(1.71)	6	4
LEUCINE	%	(2.45)	(2.68)		3
LYSINE	%	(1.63)	(1.78)	7	6
METHIONINE	%	(0.62)	(0.68)	4	6
PHENYLALANINE	%	(2.13)	(2.32)	5	4
THREONINE	%	(1.38)	(1.51)	3	4
TRYPTOPHAN	%	(0.55)	(0.60)	8	6
TYROSINE	%	(0.70)	(0.77)		1
VALINE	%	2.58	2.82	40	4

GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND CAKED, (5)

REF NO 5-11-562

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.6	100.0	1	4
ORGANIC MATTER	%	82.2	91.7		
ASH	%	7.4	8.3	7	8
CRUDE FIBER	%	11.8	13.2	14	8
ETHER EXTRACT	%	1.3	1.4	47	8
NITROGEN FREE EXTRACT	%	23.0	25.6	16	4
PROTEIN	%	46.1	51.5	5	8
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.42	2.70		
SHEEP DE MCAL/KG *		2.86	3.19		
CATTLE ME MCAL/KG *		1.98	2.21		
SHEEP ME MCAL/KG *		2.34	2.61		
CATTLE NE-M MCAL/KG *		1.18	1.31		
CATTLE NE-GAIN MCAL/KG *		0.63	0.70		
CATTLE NE-LACTATION MCAL/KG *		1.25	1.39		
CATTLE TDN % *		54.8	61.2		
SHEEP TDN % *		64.8	72.3		
GOSSYPOL, FREE	%	0.00	0.00		2

GOSSYPIUM SPP, SEEDS W SOME HULLS, SOLV EXTD GRND PELLETED, (5)

REF NO 5-11-563

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.1	100.0	1	58
ORGANIC MATTER	%	85.8	93.1		
ASH	%	6.4	6.9	2	10
CRUDE FIBER	%	14.5	15.7	4	14
ETHER EXTRACT	%	1.7	1.9	9	58
NITROGEN FREE EXTRACT	%	28.8	31.3		
PROTEIN	%	40.7	44.2	2	25
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.53	2.74		
SHEEP DE MCAL/KG *		2.95	3.20		
CATTLE ME MCAL/KG *		2.07	2.25		
SHEEP ME MCAL/KG *		2.42	2.62		
CATTLE NE-M MCAL/KG *		1.23	1.34		
CATTLE NE-GAIN MCAL/KG *		0.68	0.73		
CATTLE NE-LACTATION MCAL/KG *		1.32	1.43		
CATTLE TDN % *		57.4	62.2		
SHEEP TDN % *		66.8	72.5		

GOSSYPIUM SPP, SEEDS W SOME HULLS W LINT, MECH EXTD GRND CAKED, (5)

REF NO 5-11-589

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.8	100.0	1	7
ORGANIC MATTER	%	88.9	94.7		
ASH	%	4.9	5.3	60	11
CRUDE FIBER	%	19.1	20.4	47	11
ETHER EXTRACT	%	3.6	7.0	51	11
NITROGEN FREE EXTRACT	%	27.6	29.4	35	8
PROTEIN	%	35.5	37.9	21	11
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.91	3.10		
SHEEP DE MCAL/KG *		3.13	3.33		
CATTLE ME MCAL/KG *		2.39	2.54		
SHEEP ME MCAL/KG *		2.56	2.73		
CATTLE NE-M MCAL/KG *		1.46	1.56		
CATTLE NE-GAIN MCAL/KG *		0.92	0.99		
CATTLE NE-LACTATION MCAL/KG *		1.60	1.71		
CATTLE TDN % *		66.0	70.4		
SHEEP TDN % *		70.9	75.6		
CALCIUM	%	1.12	1.19		3
COPPER	MG/KG	291.8	311.0		2
IRON	%	0.079	0.084		2
MAGNESIUM	%	0.51	0.55		2
MANGANESE	MG/KG	160.9	171.5		2
PHOSPHORUS	%	1.18	1.26		3
POTASSIUM	%	2.10	2.24		2
SODIUM	%	0.71	0.76		2

GOSSYPIUM SPP, SEEDS W SOME HULLS W LINT, SOLV EXTD GRND, (5)

REF NO 5-11-590

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.8	100.0		2
ORGANIC MATTER	%	91.2	97.2		
ASH	%	2.6	2.8		2
CRUDE FIBER	%	16.1	17.2		2
ETHER EXTRACT	%	1.5	1.6		2
NITROGEN FREE EXTRACT	%	31.6	33.7		2
PROTEIN	%	41.9	44.7		2
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.83	3.01		
SHEEP DE MCAL/KG *		3.15	3.35		
CATTLE ME MCAL/KG *		2.32	2.47		
SHEEP ME MCAL/KG *		2.58	2.75		
CATTLE NE-M MCAL/KG *		1.41	1.50		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-GAIN	MCAL/KG *	0.87	0.93		
CATTLE	NE-LACTATION	MCAL/KG *	1.54	1.64		
CATTLE		TDN % *	64.1	68.4		
SHEEP		TDN % *	71.4	76.1		

GOUANIA LATIFOLIA, CHEWSTICK, LATIFOLIA

GOUANIA LATIFOLIA LATIFOLIA, AERIAL PART, FRESH, (2)

REF NO 2-11-659

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	65.2	100.0		1
ORGANIC MATTER		%	58.9	90.3		
ASH		%	6.3	9.7		1
CRUDE FIBER		%	18.6	28.5		1
ETHER EXTRACT		%	1.4	2.1		1
NITROGEN FREE EXTRACT		%	33.9	52.0		1
PROTEIN		%	5.0	7.7		1
CATTLE	DIG PROT	% *	2.9	4.4		
GOATS	DIG PROT	% *	2.4	3.7		
HORSES	DIG PROT	% *	2.7	4.1		
RABBITS	DIG PROT	% *	3.0	4.6		
SHEEP	DIG PROT	% *	2.7	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.70	2.60		
SHEEP	DE	MCAL/KG *	1.72	2.64		
CATTLE	ME	MCAL/KG *	1.39	2.13		
SHEEP	ME	MCAL/KG *	1.41	2.16		
CATTLE	NE-M	MCAL/KG *	0.82	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.41	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	0.86	1.32		
CATTLE		TDN % *	38.5	59.0		
SHEEP		TDN % *	39.0	59.8		

GRACILARIA SPP, CEYLONMUSS

GRACILARIA SPP, STEMS, DEHY GRND, (1)

REF NO 1-10-246

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		66.8		
ASH		%		33.2		1
CRUDE FIBER		%		1.0		1
ETHER EXTRACT		%		0.5		1
NITROGEN FREE EXTRACT		%		40.3		1
PROTEIN		%		21.0		1
CATTLE	DIG PROT	% *		15.1		
GOATS	DIG PROT	% *		16.2		
HORSES	DIG PROT	% *		15.4		
RABBITS	DIG PROT	% *		14.9		
SHEEP	DIG PROT	% *		(15.4)		

GRAINS

GRAINS, BREWERS GRAINS, DEHY, MX 3% DRIED SPENT HOPS, (5)
BREWERS DRIED GRAINS (CFA)
BREWERS DRIED GRAINS (AAFCO)

REF NO 5-02-141

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(91.5)	(100.0)	2	23
ORGANIC MATTER		%	87.7	95.8		
ASH		%	3.8	4.2	8	12
SHEEP	DIG COEF	%	36.	36.		
CRUDE FIBER		%	15.2	16.7	29	18
CATTLE	DIG COEF	%	41.	41.		1
HORSES	DIG COEF	%	18.	18.		1
SHEEP	DIG COEF	%	47.	47.		1
SWINE	DIG COEF	%	2.	2.		1
ETHER EXTRACT		%	6.8	7.5	11	16
CATTLE	DIG COEF	%	89.	89.		1
HORSES	DIG COEF	%	46.	46.		1
SHEEP	DIG COEF	%	86.	86.		1
SWINE	DIG COEF	%	60.	60.		1
NITROGEN FREE EXTRACT		%	40.3	44.1	7	11
CATTLE	DIG COEF	%	55.	55.		1
HORSES	DIG COEF	%	44.	44.		1
SHEEP	DIG COEF	%	61.	61.		1
SWINE	DIG COEF	%	27.	27.		1
PROTEIN		%	25.3	27.6	11	19
CATTLE	DIG COEF	%	74.	74.		1
HORSES	DIG COEF	%	77.	77.		1
SHEEP	DIG COEF	%	74.	74.		1
SWINE	DIG COEF	%	79.	79.		1
CATTLE	DIG PROT	%	18.7	20.4		
HORSES	DIG PROT	%	19.5	21.3		
SHEEP	DIG PROT	%	18.7	20.4		
SWINE	DIG PROT	%	(20.0)	(21.8)		
PENTOSANS		%	23.1	25.2		1
FATTY ACIDS		%				
LINOLEIC		%	2.984	3.261		1
ENERGY	GE	KCAL/KG	3328.	3637.		2
CATTLE	DE	MCAL/KG *	2.68	2.93		
SHEEP	DE	MCAL/KG *	2.81	3.07		
SWINE	DE	KCAL/KG *	1780.	1945.		
CATTLE	ME	MCAL/KG *	2.20	2.40		
CHICKENS	ME-N	KCAL/KG	2080.	2273.	19	4
SHEEP	ME	MCAL/KG *	2.30	2.52		
SWINE	ME	KCAL/KG	1683.	1839.		1
CATTLE	NE-M	MCAL/KG *	1.32	1.45		
CATTLE	NE-GAIN	MCAL/KG *	0.79	0.87		
CATTLE	NE-LACTATION	MCAL/KG *	(1.44)	(1.57)		
CHICKENS	PRODUCTIVE	KCAL/KG	1883.	2058.		2
CATTLE		TDN %	60.8	66.4		1
HORSES		TDN %	47.0	51.4		1
SHEEP		TDN %	63.7	69.6		1
SWINE		TDN %	(40.4)	(44.1)		2
CALCIUM		%	(0.30)	(0.32)	18	10
CHLORINE		%	(0.12)	(0.13)		2
COBALT		MG/KG	(0.061)	(0.067)		1
COPPER		MG/KG	(21.2)	(23.1)		1
IRON		%	(0.025)	(0.027)		1
MAGNESIUM		%	(0.16)	(0.18)		2
MANGANESE		MG/KG	(31.5)	(34.4)		3
PHOSPHORUS		%	(0.53)	(0.57)	15	10
CHICKENS, CHICKS AVAILABLE		%	(0.15)	(0.16)		2
POTASSIUM		%	0.09	0.10		3
SALT (NACL)		%	(0.07)	(0.08)		1
SODIUM		%	(0.15)	(0.16)		2
SULPHUR		%	(0.31)	(0.34)		1
A-TOCOPHEROL		MG/KG	(25.9)	(28.3)		1
BIOTIN		MG/KG	(0.96)	(1.05)		1
CHOLINE		MG/KG	(1574.)	(1721.)		5
FOLIC ACID		MG/KG	(7.07)	(7.73)	64	4
NIACIN		MG/KG	(43.5)	(47.6)	2	6
PANTOTHENIC ACID		MG/KG	(7.9)	(8.6)	18	5
PYRIDOXINE		MG/KG	(0.7)	(0.7)		1
RIBOFLAVIN		MG/KG	(1.3)	(1.5)	25	7
THIAMINE		MG/KG	(0.5)	(0.6)		3
VITAMIN B6		MG/KG	(0.66)	(0.72)		2
ARGININE		%	(1.28)	(1.40)	16	9
CYSTINE		%	(0.31)	(0.34)	12	5
GLYCINE		%	(1.09)	(1.19)		2
HISTIDINE		%	(0.57)	(0.62)	24	7
ISOLEUCINE		%	(1.44)	(1.57)	12	7
LEUCINE		%	(2.48)	(2.71)	15	6
LYSINE		%	(0.95)	(1.04)	19	9
METHIONINE		%	(0.46)	(0.51)	22	9
PHENYLALANINE		%	(1.45)	(1.59)	16	7
THREONINE		%	(0.98)	(1.07)	18	7
TRYPTOPHAN		%	(0.34)	(0.37)	17	9
TYROSINE		%	(1.19)	(1.30)		3
VALINE		%	1.66	1.81	8	7

GRAINS, DISTILLERS GRAINS, DEHY, (5)

REF NO 5-02-144

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.6	100.0	1	98
ORGANIC MATTER		%	90.2	97.5	26	1
ASH		%	1.6	1.7	26	98
SHEEP	DIG COEF	%	26.	26.		
CRUDE FIBER		%	12.8	13.8	11	98
SHEEP	DIG COEF	%	70.	70.		1
ETHER EXTRACT		%	7.4	8.0	11	98
SHEEP	DIG COEF	%	94.	94.		1
NITROGEN FREE EXTRACT		%	43.5	47.0		3
SHEEP	DIG COEF	%	75.	75.		1
PROTEIN		%	27.4	29.6	5	98
SHEEP	DIG COEF	%	69.	69.		1
SHEEP	DIG PROT	%	(18.9)	(20.4)		
PENTOSANS		%	14.1	15.3		1
FATTY ACIDS		%				
LINOLEIC		%	46.777	50.535		1
ENERGY	GE	KCAL/KG	2271.	2453.		1
CATTLE	DE	MCAL/KG *	3.21	3.46		
SHEEP	DE	MCAL/KG *	3.35	3.62		
CATTLE	ME	MCAL/KG *	2.63	2.84		
SHEEP	ME	MCAL/KG *	2.75	2.97		
CATTLE	NE-M	MCAL/KG *	1.67	1.81		
CATTLE	NE-GAIN	MCAL/KG *	1.11	1.20		
CATTLE	NE-LACTATION	MCAL/KG *	1.84	1.99		
CATTLE		TDN % *	72.7	78.6		
SHEEP		TDN %	(76.0)	(82.1)		1
BORON		MG/KG	3.332	3.600		1
CALCIUM		%	(0.10)	(0.10)		2
CHLORINE		%	(0.05)	(0.05)		1
COBALT		MG/KG	(0.091)	(0.099)		1
COPPER		MG/KG	(45.2)	(48.9)		2
IRON		%	189.766	205.014		2
MAGNESIUM		%	(0.17)	(0.18)	91	9
MANGANESE		MG/KG	(53.6)	(57.9)		2
PHOSPHORUS		%	0.75	0.81		3
POTASSIUM		%	(0.21)	(0.23)		2
SODIUM		%	(0.04)	(0.04)		2
SULPHUR		%	(0.45)	(0.49)		1
STRONTIUM		MG/KG	(1.111)	(1.200)		1
ZINC		MG/KG	(194.4)	(210.0)		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
NIACIN	MG/KG	(46.8)	(50.5)	1
PANTOTHENIC ACID	MG/KG	(11.6)	(12.5)	1
RIBOFLAVIN	MG/KG	(3.8)	(4.1)	1
THIAMINE	MG/KG	2.5	2.6	1
VITAMIN A EQUIV	IU/G	(13.0)	(14.0)	
ARGININE	%	(1.06)	(1.14)	2
HISTIDINE	%	(0.59)	(0.63)	2
ISOLEUCINE	%	(1.38)	(1.50)	2
LEUCINE	%	(2.95)	(3.19)	2
LYSINE	%	(0.82)	(0.89)	2
METHIONINE	%	(0.49)	(0.52)	2
PHENYLALANINE	%	(1.13)	(1.22)	2
THREONINE	%	(0.90)	(0.98)	2
TRYPTOPHAN	%	(0.22)	(0.23)	2
TYROSINE	%	(0.91)	(0.98)	1
VALINE	%	1.37	1.48	2

GRAINS, VINEGAR FERMENTATION GRAINS, DEHY, (5)
VINEGAR DRIED GRAINS (AAFCO)

REF NO 5-02-158

DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.0	
ASH	%		12.0	2
CRUDE FIBER	%		35.5	2
ETHER EXTRACT	%		2.3	2
NITROGEN FREE EXTRACT	%		45.3	2
PROTEIN	%		5.0	2

GRAM
-SEE CICER ARIETINUM GRAM, SEEDS, (5)

GRASS-LEGUME

GRASS-LEGUME, HAY, S-C, GR SAMPLE US, (1)

REF NO 1-02-287

DRY MATTER	%	91.5	100.0	2
ORGANIC MATTER	%	88.1	96.3	
ASH	%	3.4	3.7	2
CRUDE FIBER	%	4.9	5.4	2
ETHER EXTRACT	%	10.9	11.9	2
NITROGEN FREE EXTRACT	%	61.4	67.1	
PROTEIN	%	10.9	11.9	2
CATTLE	DIG PROT % *	6.6	7.3	
GOATS	DIG PROT % *	7.0	7.7	
HORSES	DIG PROT % *	7.0	7.6	
RABBITS	DIG PROT % *	7.2	7.9	
SHEEP	DIG PROT % *	6.6	7.3	

GROUND ALFALFA HAY (AAFCO)
-SEE MEDICAGO SATIVA, HAY, S-C GRND,
(1)

GROUND BROWN RICE (AAFCO)
-SEE ORYZA SATIVA, GROATS, GRND, (4)

GROUND CORN COB (AAFCO)
-SEE ZEA MAYS, COBS, GRND, (1)

GROUND CORN (AAFCO)
-SEE ZEA MAYS, GRAIN, GRND, MX 4S
FOREIGN MATERIAL, (4)

GROUND EAR CORN WITH HUSKS (AAFCO)
-SEE ZEA MAYS, EARS W HUSKS, GRND, (4)

GROUND EAR CORN (AAFCO)
-SEE ZEA MAYS, EARS, GRND, (4)

GROUNDNUT OIL MEAL, SOLVENT EXTRACTED
-SEE ARACHIS HYPOGAEA, KERNELS, SOLV
EXTD GRND, MX 7% FIBER, (5)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
GROUND PADDY RICE (AAFCO) -SEE ORYZA SATIVA, GRAIN W HULLS, GRND, (4)				
GROUND ROUGH RICE (AAFCO) -SEE ORYZA SATIVA, GRAIN W HULLS, GRND, (4)				
GROUND SNAPPED CORN -SEE ZEA MAYS, EARS W HUSKS, GRND, (4)				
GROUND SOYBEANS (AAFCO) -SEE GLYCINE MAX, SEEDS, GRND, (5)				

GUAZUMA ULMIFOLIA

GUAZUMA ULMIFOLIA ULMIFOLIA, FRUIT, DEHY, (1)

REF NO 1-11-660

DRY MATTER	%	88.6	100.0	1
ORGANIC MATTER	%	84.9	95.8	1
ASH	%	3.7	4.2	1
CRUDE FIBER	%	25.0	28.2	1
ETHER EXTRACT	%	3.8	4.3	1
NITROGEN FREE EXTRACT	%	49.9	56.3	1
PROTEIN	%	6.2	7.0	1
CATTLE	DIG PROT % *	2.7	3.0	
GOATS	DIG PROT % *	2.7	3.1	
HORSES	DIG PROT % *	3.1	3.5	
RABBITS	DIG PROT % *	3.6	4.1	
SHEEP	DIG PROT % *	2.5	2.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.49	2.81	
HORSES	DE MCAL/KG *	1.96	2.72	
SHEEP	DE MCAL/KG *	2.30	2.[illegible]9	
CATTLE	ME MCAL/KG *	2.04	2.31	
HORSES	ME MCAL/KG *	1.61	1.82	
SHEEP	ME MCAL/KG *	1.88	2.13	
CATTLE	NE-M MCAL/KG *	1.22	1.38	
CATTLE	NE-GAIN MCAL/KG *	0.70	0.79	
CATTLE	NE-LACTATION MCAL/KG *	1.31	1.48	
CATTLE	TDN % *	56.5	63.8	
HORSES	TDN % *	49.6	56.0	
SHEEP	TDN % *	52.1	58.8	
CALCIUM	%	0.28	0.32	1
IRON	%	0.015	0.017	1
PHOSPHORUS	%	0.20	0.23	1
NIACIN	MG/KG	15.6	17.6	1

GUAZUMA ULMIFOLIA ULMIFOLIA, FRUIT, DEHY GRND,
(1)

REF NO 1-11-661

DRY MATTER	%	85.9	100.0	1
ORGANIC MATTER	%	82.2	95.7	1
ASH	%	3.7	4.3	1
CRUDE FIBER	%	27.4	31.9	1
ETHER EXTRACT	%	1.9	2.2	1
NITROGEN FREE EXTRACT	%	48.5	56.5	1
PROTEIN	%	4.4	5.1	1
CATTLE	DIG PROT % *	1.2	1.4	
GOATS	DIG PROT % *	1.2	1.3	
HORSES	DIG PROT % *	1.6	1.9	
RABBITS	DIG PROT % *	2.3	2.6	
SHEEP	DIG PROT % *	1.0	1.2	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.14	2.49	
HORSES	DE MCAL/KG *	1.45	1.69	
SHEEP	DE MCAL/KG *	2.05	2.38	
CATTLE	ME MCAL/KG *	1.75	2.04	
HORSES	ME MCAL/KG *	1.19	1.39	
SHEEP	ME MCAL/KG *	1.68	1.95	
CATTLE	NE-M MCAL/KG *	1.03	1.20	
CATTLE	NE-GAIN MCAL/KG *	0.45	0.53	
CATTLE	NE-LACTATION MCAL/KG *	1.05	1.23	
CATTLE	TDN % *	48.4	56.4	
HORSES	TDN % *	35.7	41.6	
SHEEP	TDN % *	46.4	54.1	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GUAZUMA ULMIFOLIA ULMIFOLIA, SEEDS, GRND, (4)						
REF NO 4-13-468						
DRY MATTER		%	84.1	100.0		1
ORGANIC MATTER		%	79.2	94.2		
ASH		%	4.9	5.8		1
CRUDE FIBER		%	30.1	35.8		1
ETHER EXTRACT		%	2.2	2.6		1
NITROGEN FREE EXTRACT		%	36.8	43.8		1
PROTEIN		%	10.1	12.0		1
CATTLE	DIG PROT % *		5.9	7.0		
GOATS	DIG PROT % *		6.9	8.2		
HORSES	DIG PROT % *		6.9	8.2		
SHEEP	DIG PROT % *		6.9	8.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.75	2.08		
SHEEP	DE MCAL/KG *		2.21	2.63		
CATTLE	ME MCAL/KG *		1.43	1.70		
SHEEP	ME MCAL/KG *		1.81	2.15		
CATTLE	NE-M MCAL/KG *		0.85	1.01		
CATTLE	NE-GAIN MCAL/KG *		0.13	0.15		
CATTLE	NE-LACTATION MCAL/KG *		0.76	0.91		
CATTLE	TDN % *		39.6	47.1		
SHEEP	TDN % *		50.1	59.5		
CALCIUM		%	0.21	0.25		1
PHOSPHORUS		%	0.42	0.50		1

GUILIELMA GASIPAES, PEACHPALM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GUILIELMA GASIPAES, PEELINGS, (1)						
REF NO 1-11-874						
DRY MATTER		%	27.0	100.0		1
ORGANIC MATTER		%	26.0	96.1		
ASH		%	1.0	3.9	35	7
CRUDE FIBER		%	2.7	9.8	35	7
ETHER EXTRACT		%	2.7	10.1	37	7
NITROGEN FREE EXTRACT		%	18.1	67.0	8	6
PROTEIN		%	2.5	9.2	11	6
CATTLE	DIG PROT % *		1.3	4.9		
GOATS	DIG PROT % *		1.4	5.2		
HORSES	DIG PROT % *		1.4	5.4		
RABBITS	DIG PROT % *		1.6	5.8		
SHEEP	DIG PROT % *		1.3	4.8		
GUILIELMA GASIPAES, SEEDS, (1)						
REF NO 1-11-872						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		97.6		
ASH		%		2.4		2
CRUDE FIBER		%		22.0		2
ETHER EXTRACT		%		16.5		2
NITROGEN FREE EXTRACT		%		52.1		2
PROTEIN		%		7.0		2
CATTLE	DIG PROT % *			3.0		
GOATS	DIG PROT % *			3.1		
HORSES	DIG PROT % *			3.5		
RABBITS	DIG PROT % *			4.1		
SHEEP	DIG PROT % *			2.9		
GUILIELMA GASIPAES GREEN, FRUIT, COOKED, (4)						
REF NO 4-10-446						
DRY MATTER		%	42.0	100.0		2
ORGANIC MATTER		%	34.0	81.1		
ASH		%	7.9	18.9		2
CRUDE FIBER		%	2.3	5.5		1
ETHER EXTRACT		%	2.2	5.2		2
NITROGEN FREE EXTRACT		%	26.9	64.2		1
PROTEIN		%	2.7	6.3		1
CATTLE	DIG PROT % *		0.8	1.8		
GOATS	DIG PROT % *		1.3	3.0		
HORSES	DIG PROT % *		1.3	3.0		
SHEEP	DIG PROT % *		1.3	3.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.51	1.21		
SHEEP	DE MCAL/KG *		1.25	2.98		
SWINE	DE KCAL/KG *		1282.	3056.		
CATTLE	ME MCAL/KG *		0.41	0.99		
SHEEP	ME MCAL/KG *		1.03	2.44		
SWINE	ME KCAL/KG *		1214.	2894.		
CATTLE	NE-M MCAL/KG *		0.30	0.70		
CATTLE	NE-GAIN MCAL/KG *		-0.38	-0.90		
CATTLE	NE-LACTATION MCAL/KG *		0.09	0.23		
CATTLE	TDN % *		11.5	27.3		
SHEEP	TDN % *		28.4	67.6		
SWINE	TDN % *		29.1	69.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GUILIELMA GASIPAES, FRUIT, COOKED, MATURE, (4)						
REF NO 4-10-508						
DRY MATTER		%	35.0	100.0		1
ORGANIC MATTER		%	33.0	94.3		
ASH		%	2.0	5.7		1
CRUDE FIBER		%	1.5	4.3		1
ETHER EXTRACT		%	4.1	11.7		1
NITROGEN FREE EXTRACT		%	25.1	71.7		1
PROTEIN		%	2.3	6.6		1
CATTLE	DIG PROT % *		0.7	2.1		
GOATS	DIG PROT % *		1.1	3.3		
HORSES	DIG PROT % *		1.1	3.3		
SHEEP	DIG PROT % *		1.1	3.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.36	3.89		
SHEEP	DE MCAL/KG *		1.22	3.49		
SWINE	DE KCAL/KG *		1277.	3648.		
CATTLE	ME MCAL/KG *		1.12	3.19		
SHEEP	ME MCAL/KG *		1.00	2.86		
SWINE	ME KCAL/KG *		1209.	3454.		
CATTLE	NE-M MCAL/KG *		0.76	2.16		
CATTLE	NE-GAIN MCAL/KG *		0.50	1.42		
CATTLE	NE-LACTATION MCAL/KG *		0.81	2.32		
CATTLE	TDN % *		30.9	88.3		
SHEEP	TDN % *		27.7	79.2		
SWINE	TDN % *		29.0	82.7		
GUILIELMA GASIPAES GREEN, FRUIT, FRESH, (4)						
REF NO 4-10-245						
DRY MATTER		%	34.2	100.0		1
ORGANIC MATTER		%	33.4	97.7		
ASH		%	0.8	2.3		1
CRUDE FIBER		%	1.4	4.1		1
ETHER EXTRACT		%	4.3	12.6		1
NITROGEN FREE EXTRACT		%	25.4	74.3		1
PROTEIN		%	2.3	6.7		1
CATTLE	DIG PROT % *		0.8	2.2		
GOATS	DIG PROT % *		1.2	3.4		
HORSES	DIG PROT % *		1.2	3.4		
SHEEP	DIG PROT % *		1.2	3.4		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.53	4.47		
SHEEP	DE MCAL/KG *		1.26	3.69		
SWINE	DE KCAL/KG *		1276.	3732.		
CATTLE	ME MCAL/KG *		1.25	3.66		
SHEEP	ME MCAL/KG *		1.04	3.03		
SWINE	ME KCAL/KG *		1208.	3532.		
CATTLE	NE-M MCAL/KG *		0.94	2.75		
CATTLE	NE-GAIN MCAL/KG *		0.57	1.66		
CATTLE	NE-LACTATION MCAL/KG *		0.95	2.77		
CATTLE	TDN % *		34.6	101.3		
SHEEP	TDN % *		28.7	83.8		
SWINE	TDN % *		28.9	84.6		
GUILIELMA GASIPAES, FRUIT, FRESH, (4)						
REF NO 4-10-246						
DRY MATTER		%	40.1	100.0	22	4
ORGANIC MATTER		%	39.1	97.5		
ASH		%	1.0	2.5	57	13
CRUDE FIBER		%	2.0	5.1	54	13
ETHER EXTRACT		%	3.9	9.8	33	13
NITROGEN FREE EXTRACT		%	30.6	76.4	9	13
PROTEIN		%	2.5	6.2	24	13
CATTLE	DIG PROT % *		0.7	1.7		
GOATS	DIG PROT % *		1.2	2.9		
HORSES	DIG PROT % *		1.2	2.9		
SHEEP	DIG PROT % *		1.2	2.9		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.50	3.75		
SHEEP	DE MCAL/KG *		1.46	3.64		
SWINE	DE KCAL/KG *		1451.	3622.		
CATTLE	ME MCAL/KG *		1.23	3.08		
SHEEP	ME MCAL/KG *		1.20	2.98		
SWINE	ME KCAL/KG *		1375.	3431.		
CATTLE	NE-M MCAL/KG *		0.82	2.06		
CATTLE	NE-GAIN MCAL/KG *		0.54	1.35		
CATTLE	NE-LACTATION MCAL/KG *		0.89	2.21		
CATTLE	TDN % *		34.1	85.1		
SHEEP	TDN % *		33.1	82.5		
SWINE	TDN % *		32.9	82.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GUILIELMA GASIPAES, FRUIT, FRESH, MATURE, (4)					
REF NO 4-10-243					
DRY MATTER	%	32.0	100.0		1
ORGANIC MATTER	%	31.1	97.2		
ASH	%	0.9	2.8		1
CRUDE FIBER	%	1.2	3.8		1
ETHER EXTRACT	%	3.5	10.9		1
NITROGEN FREE EXTRACT	%	24.1	75.3		1
PROTEIN	%	2.3	7.2		1
CATTLE DIG PROT	% *	0.8	2.6		
GOATS DIG PROT	% *	1.2	3.8		
HORSES DIG PROT	% *	1.2	3.8		
SHEEP DIG PROT	% *	1.2	3.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.28	4.00		
SHEEP DE	MCAL/KG *	1.19	3.71		
SWINE DE	KCAL/KG *	1176.	3676.		
CATTLE ME	MCAL/KG *	1.05	3.28		
SHEEP ME	MCAL/KG *	0.97	3.05		
SWINE ME	KCAL/KG *	1112.	3476.		
CATTLE NE-M	MCAL/KG *	0.72	2.26		
CATTLE NE-GAIN	MCAL/KG *	0.47	1.47		
CATTLE NE-LACTATION	MCAL/KG *	0.77	2.41		
CATTLE TDN	% *	29.0	90.8		
SHEEP TDN	% *	27.0	84.3		
SWINE TDN	% *	26.7	83.4		
GUILIELMA GASIPAES, MEATS, MECH EXTD GRND, (4)					
REF NO 4-11-873					
DRY MATTER	%	39.0	100.0		2
ORGANIC MATTER	%	37.8	96.9		
ASH	%	1.2	3.1	27	4
CRUDE FIBER	%	4.5	11.5	76	4
ETHER EXTRACT	%	2.7	7.0	48	4
NITROGEN FREE EXTRACT	%	27.5	70.6	11	4
PROTEIN	%	3.1	7.8	7	4
CATTLE DIG PROT	% *	1.2	3.2		
GOATS DIG PROT	% *	1.7	4.4		
HORSES DIG PROT	% *	1.7	4.4		
SHEEP DIG PROT	% *	1.7	4.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.27	3.25		
SHEEP DE	MCAL/KG *	1.33	3.40		
SWINE DE	KCAL/KG *	1340.	3437.		
CATTLE ME	MCAL/KG *	1.04	2.67		
SHEEP ME	MCAL/KG *	1.09	2.79		
SWINE ME	KCAL/KG *	1266.	3245.		
CATTLE NE-M	MCAL/KG *	0.65	1.66		
CATTLE NE-GAIN	MCAL/KG *	0.42	1.08		
CATTLE NE-LACTATION	MCAL/KG *	0.71	1.83		
CATTLE TDN	% *	28.8	73.8		
SHEEP TDN	% *	30.1	77.2		
SWINE TDN	% *	30.4	77.9		
GYMNOPOGON RADIATUS, SKELETONGRASS, RADIATUS					
GYMNOPOGON RADIATUS RADIATUS, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-11-657					
DRY MATTER	%	49.6	100.0		1
ORGANIC MATTER	%	43.5	87.7		
ASH	%	6.1	12.3		1
CRUDE FIBER	%	13.6	27.5		1
ETHER EXTRACT	%	3.7	7.4		1
NITROGEN FREE EXTRACT	%	23.0	46.4		1
PROTEIN	%	3.2	6.4		1
CATTLE DIG PROT	% *	1.7	3.3		
GOATS DIG PROT	% *	1.3	2.5		
HORSES DIG PROT	% *	1.5	3.0		
RABBITS DIG PROT	% *	1.8	3.6		
SHEEP DIG PROT	% *	1.5	3.0		
CALCIUM	%	0.07	0.15		1
PHOSPHORUS	%	0.03	0.06		1
HEAT PROCESSED CORN, GROUND (AAFCO) =SEE ZEA MAYS, GRAIN, HEAT PROCESSED GRND, (4)					
HEAT PROCESSED SOYBEANS (CFA) =SEE GLYCINE MAX, SEEDS, HEAT PROCESSED GRND, (5)					
HEAT PROCESSED SOYBEANS (AAFCO) =SEE GLYCINE MAX, SEEDS, HEAT PROCESSED GRND, (5)					
HEDYSARUM CORONARIUM, SWEETVETCH, SULLA					
HEDYSARUM CORONARIUM SULLA, AERIAL PART, FRESH, (2)					
REF NO 2-11-552					
DRY MATTER	%	8.8	100.0		2
ORGANIC MATTER	%	7.5	86.1		
ASH	%	1.2	13.9		2
CRUDE FIBER	%	2.3	26.1		2
ETHER EXTRACT	%	0.2	2.0		2
NITROGEN FREE EXTRACT	%	2.7	30.5		2
PROTEIN	%	2.4	27.5		2
CATTLE DIG PROT	% *	1.9	21.2		
GOATS DIG PROT	% *	1.9	22.2		
HORSES DIG PROT	% *	1.8	20.8		
RABBITS DIG PROT	% *	1.7	19.9		
SHEEP DIG PROT	% *	2.0	22.6		
CALCIUM	%	0.16	1.83		2
PHOSPHORUS	%	0.08	0.92		2
POTASSIUM	%	0.11	1.25		2
HELIANTHUS ANNUUS, SUNFLOWER, COMMON					
HELIANTHUS ANNUUS COMMON, AERIAL PART, FRESH, (1)					
REF NO 1-11-556					
DRY MATTER	%	15.2	100.0		1
ORGANIC MATTER	%	13.1	86.3		1
ASH	%	2.1	13.7		1
CRUDE FIBER	%	4.4	28.8		1
ETHER EXTRACT	%	0.5	3.4		1
NITROGEN FREE EXTRACT	%	6.5	43.0		1
PROTEIN	%	1.7	11.2		1
CATTLE DIG PROT	% *	1.0	6.7		
GOATS DIG PROT	% *	1.1	7.0		
HORSES DIG PROT	% *	1.1	7.1		
RABBITS DIG PROT	% *	1.1	7.3		
SHEEP DIG PROT	% *	1.0	6.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.36	2.34		
HORSES DE	MCAL/KG *	0.30	2.00		
SHEEP DE	MCAL/KG *	0.35	2.28		
CATTLE ME	MCAL/KG *	0.29	1.92		
HORSES ME	MCAL/KG *	0.25	1.64		
SHEEP ME	MCAL/KG *	0.28	1.87		
CATTLE NE-M	MCAL/KG *	0.17	1.13		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.40		
CATTLE NE-LACTATION	MCAL/KG *	0.17	1.11		
CATTLE TDN	% *	8.1	53.1		
HORSES TDN	% *	7.6	50.0		
SHEEP TDN	% *	7.9	51.7		
HELIANTHUS ANNUUS COMMON, BRAN, (1)					
REF NO 1-13-257					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.2		
ASH	%		4.8		1
CRUDE FIBER	%		29.8		1
ETHER EXTRACT	%		23.9		1
NITROGEN FREE EXTRACT	%		15.4		1
PROTEIN	%		26.0		1
CATTLE DIG PROT	% *		19.5		
GOATS DIG PROT	% *		20.8		
HORSES DIG PROT	% *		19.6		
RABBITS DIG PROT	% *		18.8		
SHEEP DIG PROT	% *		19.9		
CALCIUM	%		0.07		1
MAGNESIUM	%		0.60		1
PHOSPHORUS	%		0.75		1
POTASSIUM	%		1.90		1
HELIANTHUS ANNUUS COMMON, FLOWERS W SEEDS, (1)					
REF NO 1-09-736					
DRY MATTER	%	86.9	100.0		1
ORGANIC MATTER	%	79.5	91.5		
ASH	%	7.4	8.5		1
CRUDE FIBER	%	34.8	40.0		1
ETHER EXTRACT	%	18.6	21.4		1
NITROGEN FREE EXTRACT	%	14.1	16.2		1
PROTEIN	%	12.0	13.8		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	7.7	8.9		
GOATS	DIG PROT % *	8.2	9.4		
HORSES	DIG PROT % *	8.0	9.3		
RABBITS	DIG PROT % *	8.1	9.3		
SHEEP	DIG PROT % *	7.8	9.0		

HELIANTHUS ANNUUS COMMON, HULLS, (1)

REF NO 1-13-395

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.1	100.0		1
ORGANIC MATTER	%	87.7	96.3		
ASH	%	3.4	3.8		2
CRUDE FIBER	%	46.0	50.5		2
ETHER EXTRACT	%	3.8	4.2		2
NITROGEN FREE EXTRACT	%	30.8	33.8		2
PROTEIN	%	7.1	7.8		2
CATTLE	DIG PROT % *	3.4	3.7		
GOATS	DIG PROT % *	3.5	3.6		
HORSES	DIG PROT % *	3.8	4.2		
RABBITS	DIG PROT % *	4.3	4.7		
SHEEP	DIG PROT % *	3.2	3.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.87	2.05		
SHEEP	DE MCAL/KG *	1.96	2.15		
CATTLE	ME MCAL/KG *	1.53	1.68		
SHEEP	ME MCAL/KG *	1.61	1.76		
CATTLE	NE-M MCAL/KG *	0.91	1.00		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.12		
CATTLE	NE-LACTATION MCAL/KG *	0.80	0.88		
CATTLE	TDN % *	42.3	46.4		
SHEEP	TDN % *	44.5	48.8		

HELIANTHUS ANNUUS COMMON, SEEDS, (5)

REF NO 5-10-101

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.6	100.0	2	62
ORGANIC MATTER	%	88.9	97.0	11	9
ASH	%	3.0	3.3	11	16
CRUDE FIBER	%	23.7	25.8	30	16
ETHER EXTRACT	%	33.4	36.4	21	62
NITROGEN FREE EXTRACT	%	15.0	16.4	21	16
PROTEIN	%	16.5	18.1	23	95
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	3.93	4.29		
SHEEP	ME MCAL/KG *	3.22	3.52		
SHEEP	TDN % *	89.1	97.2		
ALANINE	%	0.57	0.62		1
ARGININE	%	1.08	1.18		1
CYSTINE	%	0.16	0.18		1
GLYCINE	%	0.81	0.88		1
HISTIDINE	%	0.25	0.27		1
ISOLEUCINE	%	0.44	0.48		1
LEUCINE	%	0.77	0.84		1
LYSINE	%	0.42	0.46		1
METHIONINE	%	0.26	0.28		1
PHENYLALANINE	%	0.55	0.60		1
PROLINE	%	0.25	0.27		1
SERINE	%	0.64	0.70		1
THREONINE	%	0.45	0.49		1
TRYPTOPHAN	%	0.14	0.15		1
TYROSINE	%	0.29	0.32		1
VALINE	%	0.60	0.66		1

HELIANTHUS ANNUUS COMMON, SEEDS, HECN EXTD GRND, (5)

REF NO 5-10-698

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.8	100.0	1	4
ORGANIC MATTER	%	84.8	92.5	36	3
ASH	%	7.2	7.9	36	5
CRUDE FIBER	%	19.7	21.5	45	5
ETHER EXTRACT	%	4.1	4.4	49	5
NITROGEN FREE EXTRACT	%	33.4	36.4	25	5
PROTEIN	%	27.3	29.8	51	5
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.44	2.65		
SHEEP	DE MCAL/KG *	2.68	2.92		
CATTLE	ME MCAL/KG *	2.00	2.18		
SHEEP	ME MCAL/KG *	2.20	2.39		
CATTLE	NE-M MCAL/KG *	1.18	1.29		
CATTLE	NE-GAIN MCAL/KG *	0.61	0.66		
CATTLE	NE-LACTATION MCAL/KG *	1.25	1.36		
CATTLE	TDN % *	55.2	60.2		
SHEEP	TDN % *	60.7	66.2		
CALCIUM	%	0.32	0.35		2
PHOSPHORUS	%	0.65	0.71		2

HELIANTHUS ANNUUS COMMON, SEEDS, HECN EXTD GRND CAKED, (5)

REF NO 5-09-706

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.0	100.0		1
ORGANIC MATTER	%	84.4	91.7		
ASH	%	7.6	8.3		1
CRUDE FIBER	%	12.2	13.3		1
ETHER EXTRACT	%	4.3	4.7		1
NITROGEN FREE EXTRACT	%	19.7	21.4		1
PROTEIN	%	48.2	52.4		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.70	2.94		
SHEEP	DE MCAL/KG *	3.12	3.39		
CATTLE	ME MCAL/KG *	2.22	2.41		
SHEEP	ME MCAL/KG *	2.56	2.78		
CATTLE	NE-M MCAL/KG *	1.34	1.45		
CATTLE	NE-GAIN MCAL/KG *	0.80	0.87		
CATTLE	NE-LACTATION MCAL/KG *	1.45	1.58		
CATTLE	TDN % *	61.3	66.6		
SHEEP	TDN % *	70.7	76.9		
CALCIUM	%	0.32	0.35		1
PHOSPHORUS	%	1.04	1.13		1

HELIANTHUS ANNUUS COMMON, SEEDS, SOLV EXTD GRND, (5)

REF NO 5-10-700

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.8	100.0	4	4
ORGANIC MATTER	%	79.5	90.6	18	2
ASH	%	7.3	8.3	18	4
CRUDE FIBER	%	14.9	17.0	23	4
ETHER EXTRACT	%	1.2	1.4	13	4
NITROGEN FREE EXTRACT	%	24.2	27.5	8	4
PROTEIN	%	40.2	45.8	5	4
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.14	2.44		
SHEEP	DE MCAL/KG *	2.68	3.05		
CATTLE	ME MCAL/KG *	1.76	2.00		
SHEEP	ME MCAL/KG *	2.20	2.50		
CATTLE	NE-M MCAL/KG *	1.04	1.18		
CATTLE	NE-GAIN MCAL/KG *	0.43	0.49		
CATTLE	NE-LACTATION MCAL/KG *	1.05	1.19		
CATTLE	TDN % *	48.6	55.4		
SHEEP	TDN % *	60.7	69.2		
CALCIUM	%	0.43	0.49		3
IRON	%	0.021	0.023		2
PHOSPHORUS	%	1.20	1.37		3
ALANINE	%	1.76	2.00		1
ARGININE	%	2.83	3.22		1
ASPARTIC ACID	%	6.15	7.00		1
CYSTINE	%	0.47	0.53		1
GLUTAMIC ACID	%	6.46	7.36		1
GLYCINE	%	4.65	5.30		1
HISTIDINE	%	0.63	0.72		1
ISOLEUCINE	%	0.89	1.01		1
LEUCINE	%	2.15	2.45		1
LYSINE	%	0.74	0.84		1
METHIONINE	%	0.69	0.79		1
PHENYLALANINE	%	1.31	1.49		1
PROLINE	%	0.94	1.07		1
SERINE	%	1.58	1.80		1
THREONINE	%	0.93	1.06		1
TRYPTOPHAN	%	0.37	0.42		1
TYROSINE	%	0.51	0.58		1
VALINE	%	1.80	2.05		1

HELIANTHUS ANNUUS COMMON, SEEDS, SOLV EXTD GRND CAKED, (5)

REF NO 5-10-699

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.6	100.0		1
ORGANIC MATTER	%	77.3	91.4		1
ASH	%	4.3	5.1		1
CRUDE FIBER	%	12.0	14.2		1
ETHER EXTRACT	%	1.0	1.2		1
NITROGEN FREE EXTRACT	%	33.5	39.6		1
PROTEIN	%	33.8	40.0		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.80	3.31		
SHEEP	ME MCAL/KG *	2.30	2.72		
SHEEP	TDN % *	63.5	75.1		
CALCIUM	%	4.46	5.27		1
IRON	%	0.035	0.041		1
PHOSPHORUS	%	1.44	1.70		1
NIACIN	MG/KG	166.6	196.9		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
HELIANTHUS ANNUUS COMMON, SEEDS W SOME HULLS, (5)					
REF NO 5-13-791					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		96.7	
ASH		%		3.3	2
CRUDE FIBER		%		15.6	2
ETHER EXTRACT		%		48.5	2
NITROGEN FREE EXTRACT		%		12.2	2
PROTEIN		%		20.3	2
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*		5.39	
SHEEP	ME MCAL/KG	*		4.42	
SHEEP	TDN %	*		122.3	
ALANINE		%		1.09	2
ARGININE		%		1.97	2
CYSTINE		%		0.31	2
GLYCINE		%		1.55	2
HISTIDINE		%		0.45	2
ISOLEUCINE		%		0.81	2
LEUCINE		%		1.40	2
LYSINE		%		0.76	2
METHIONINE		%		0.40	2
PHENYLALANINE		%		1.01	2
PROLINE		%		0.52	2
SERINE		%		1.08	2
THREONINE		%		0.82	2
TRYPTOPHAN		%		0.28	2
TYROSINE		%		0.50	2
VALINE		%		1.21	2

HELIANTHUS MULTIFLANUS, SUNFLOWER, MULTIFLANUS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
HELIANTHUS MULTIFLANUS MULTIFLANUS, AERIAL PART, ENSILED, (3)					
REF NO 3-13-255					
DRY MATTER		%	30.5	100.0	1
ORGANIC MATTER		%	26.4	86.6	1
ASH		%	4.1	13.4	1
CRUDE FIBER		%	10.8	35.5	1
ETHER EXTRACT		%	1.1	2.5	1
NITROGEN FREE EXTRACT		%	11.5	37.6	1
PROTEIN		%	3.1	10.0	1
CATTLE	DIG PROT	% *	1.6	5.3	
GOATS	DIG PROT	% *	1.6	5.3	
HORSES	DIG PROT	% *	1.6	5.3	
SHEEP	DIG PROT	% *	1.6	5.3	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.71	2.32	
SHEEP	DE MCAL/KG	*	0.71	2.33	
CATTLE	ME MCAL/KG	*	0.58	1.91	
SHEEP	ME MCAL/KG	*	0.58	1.91	
CATTLE	NE-M MCAL/KG	*	0.34	1.12	
CATTLE	NE-GAIN MCAL/KG	*	0.12	0.39	
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.10	
CATTLE	TDN %	*	16.1	52.7	
SHEEP	TDN %	*	16.1	52.9	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
HELIANTHUS MULTIFLANUS MULTIFLANUS, AERIAL PART W SOMN GRAIN GRND ADDED, ENSILED, (3)					
REF NO 3-13-254					
DRY MATTER		%	41.1	100.0	1
ORGANIC MATTER		%	37.0	90.1	1
ASH		%	4.1	9.9	1
CRUDE FIBER		%	13.5	32.9	1
ETHER EXTRACT		%	1.5	3.7	1
NITROGEN FREE EXTRACT		%	17.8	43.4	1
PROTEIN		%	4.2	10.2	1
CATTLE	DIG PROT	% *	2.2	5.5	
GOATS	DIG PROT	% *	2.2	5.5	
HORSES	DIG PROT	% *	2.2	5.5	
SHEEP	DIG PROT	% *	2.2	5.5	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	1.02	2.48	
SHEEP	DE MCAL/KG	*	1.06	2.59	
CATTLE	ME MCAL/KG	*	0.83	2.03	
SHEEP	ME MCAL/KG	*	0.87	2.12	
CATTLE	NE-M MCAL/KG	*	0.49	1.20	
CATTLE	NE-GAIN MCAL/KG	*	0.21	0.52	
CATTLE	NE-LACTATION MCAL/KG	*	0.50	1.22	
CATTLE	TDN %	*	33.1	96.1	
SHEEP	TDN %	*	24.1	58.6	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
HELIANTHUS MULTIFLANUS MULTIFLANUS, AERIAL PART W MOLASSES ADDED, ENSILED, (3)					
REF NO 3-13-256					
DRY MATTER		%	37.0	100.0	1
ORGANIC MATTER		%	32.5	87.8	1
ASH		%	4.5	12.2	1
CRUDE FIBER		%	12.5	33.9	1
ETHER EXTRACT		%	1.4	3.8	1
NITROGEN FREE EXTRACT		%	14.9	40.3	1
PROTEIN		%	3.6	9.7	1
CATTLE	DIG PROT	% *	1.9	5.1	
GOATS	DIG PROT	% *	1.9	5.1	
HORSES	DIG PROT	% *	1.9	5.1	
SHEEP	DIG PROT	% *	1.9	5.1	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.88	2.38	
SHEEP	DE MCAL/KG	*	0.91	2.46	
CATTLE	ME MCAL/KG	*	0.72	1.95	
SHEEP	ME MCAL/KG	*	0.75	2.01	
CATTLE	NE-M MCAL/KG	*	0.43	1.15	
CATTLE	NE-GAIN MCAL/KG	*	0.16	0.44	
CATTLE	NE-LACTATION MCAL/KG	*	0.42	1.14	
CATTLE	TDN %	*	20.0	54.0	
SHEEP	TDN %	*	20.6	55.7	

HELIANTHUS SPP, SUNFLOWER

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
HELIANTHUS SPP, AERIAL PART, FRESH, (2)					
REF NO 2-04-723					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		86.4	
ASH		%		13.7	2
CRUDE FIBER		%		29.0	2
ETHER EXTRACT		%		2.7	2
NITROGEN FREE EXTRACT		%		51.9	2
PROTEIN		%		2.8	2
CATTLE	DIG PROT	% *		0.3	
GOATS	DIG PROT	% *		-0.8	
HORSES	DIG PROT	% *		-0.1	
RABBITS	DIG PROT	% *		0.8	
SHEEP	DIG PROT	% *		-0.4	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.39	
SHEEP	DE MCAL/KG	*		2.47	
CATTLE	ME MCAL/KG	*		1.96	
SHEEP	ME MCAL/KG	*		2.02	
CATTLE	NE-M MCAL/KG	*		1.15	
CATTLE	NE-GAIN MCAL/KG	*		0.49	
CATTLE	NE-LACTATION MCAL/KG	*		1.15	
CATTLE	TDN %	*		54.2	
SHEEP	TDN %	*		54.0	
HELIANTHUS SPP, SEEDS, (5)					
REF NO 5-08-530					
DRY MATTER		%	90.2	100.0	1 10
ETHER EXTRACT		%	26.3	29.1	33 10
PROTEIN		%	13.9	15.4	8 10
HELIANTHUS SPP, SEEDS, EXTN UNSPECIFIED GRND, (5) SUNFLOWER SEED MEAL (CFA) WHOLE PRESSED SUNFLOWER MEAL (AAFCO) SUNFLOWER SEED OIL MEAL, EXTRACTION UNSPECIFIED					
REF NO 5-04-737					
DRY MATTER		%	92.4	100.0	1 13
ORGANIC MATTER		%	85.9	93.0	
ASH		%	6.4	7.0	3 7
CRUDE FIBER		%	31.0	33.6	2
PROTEIN		%	38.4	41.6	13 10
HELIANTHUS SPP, SEEDS, MECH EXTD GRND, (5) SUNFLOWER SEED MEAL, EXPELLER					
REF NO 5-08-091					
DRY MATTER		%	95.3	100.0	1 17
ORGANIC MATTER		%	88.7	94.8	10 1
ASH		%	5.4	5.9	18 4
CRUDE FIBER		%	20.5	33.2	24 13
ETHER EXTRACT		%	2.7	2.9	40 10
NITROGEN FREE EXTRACT		%	34.9	37.8	3
PROTEIN		%	38.0	40.1	14 10

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	2.33	2.52		
SHEEP	DE KCAL/KG *	2.80	3.04		
CATTLE	ME KCAL/KG *	1.91	2.07		
SHEEP	ME KCAL/KG *	2.30	2.49		
CATTLE	NE-M KCAL/KG *	1.13	1.22		
CATTLE	NE-GAIN KCAL/KG *	0.52	0.56		
CATTLE	NE-LACTATION KCAL/KG *	1.16	1.25		
CATTLE	TDN % *	52.8	57.2		
SHEEP	TDN % *	63.5	68.9		
CALCIUM	%	0.38	0.41		2
PHOSPHORUS	%	0.68	0.74		2

HELIANTHUS SPP, SEEDS, MECH EXTD GRND PELLETED, (5)

REF NO 5-11-559

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.3	100.0	1	28
ORGANIC MATTER	%	86.0	93.1		
ASH	%	6.3	6.9	4	7
CRUDE FIBER	%	17.4	18.8	4	6
ETHER EXTRACT	%	2.3	2.4	10	13
NITROGEN FREE EXTRACT	%	25.5	27.6		
PROTEIN	%	40.8	44.2	1	16
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	2.36	2.56		
SHEEP	DE KCAL/KG *	2.87	3.11		
CATTLE	ME KCAL/KG *	1.94	2.10		
SHEEP	ME KCAL/KG *	2.36	2.55		
CATTLE	NE-M KCAL/KG *	1.14	1.24		
CATTLE	NE-GAIN KCAL/KG *	0.54	0.59		
CATTLE	NE-LACTATION KCAL/KG *	1.18	1.28		
CATTLE	TDN % *	53.6	58.0		
SHEEP	TDN % *	65.2	70.6		

HELIANTHUS SPP, SEEDS, SOLV EXTD GRND, (5)

REF NO 5-11-557

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.6	100.0		1
CRUDE FIBER	%	15.9	17.1		1
ETHER EXTRACT	%	0.6	0.6		1
PROTEIN	%	42.4	45.7		1

HELIANTHUS SPP, SEEDS NO HULLS, EXTN UNSPECIFIED GRND, (5)
SUNFLOWER OIL MEAL, WITHOUT HULLS, EXTRACTION

REF NO 5-04-740

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.6	100.0		3
CRUDE FIBER	%	9.3	10.0		3
PROTEIN	%	53.3	57.4		3

HELIANTHUS SPP, SEEDS NO HULLS, MECH EXTD GRND, (5)
SUNFLOWER MEAL (AAFCO)
SUNFLOWER OIL MEAL, WITHOUT HULLS, EXPELLER

REF NO 5-04-738

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.0	100.0		1
ORGANIC MATTER	%	84.5	91.8		
ASH	%	7.5	8.2		1
CRUDE FIBER	%	15.1	16.4		1
ETHER EXTRACT	%	7.4	6.0		1
NITROGEN FREE EXTRACT	%	22.3	24.2		
PROTEIN	%	39.7	43.2		1
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	2.93	3.19		
SHEEP	DE KCAL/KG *	3.15	3.43		
CATTLE	ME KCAL/KG *	2.40	2.61		
SHEEP	ME KCAL/KG *	2.59	2.81		
CATTLE	NE-M KCAL/KG *	1.46	1.61		
CATTLE	NE-GAIN KCAL/KG *	0.96	1.04		
CATTLE	NE-LACTATION KCAL/KG *	1.63	1.77		
CATTLE	TDN % *	66.5	72.3		
SHEEP	TDN % *	71.5	77.7		

HELIANTHUS SPP, SEEDS NO HULLS, SOLV EXTD GRND,)
SUNFLOWER , (AAFCO)
SUNFLOWER OIL MEAL, WITHOUT HULLS, SOLVENT EXTRACTED

REF NO 5-04-739

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.0	100.0	0	6
ORGANIC MATTER	%	85.5	92.8		
ASH	%	7.3	7.8		3
CRUDE FIBER	%	12.2	13.1		3
ETHER EXTRACT	%	2.7	2.9		3
NITROGEN FREE EXTRACT	%	25.3	27.2		1
PROTEIN	%	45.4	48.9	12	5
FATTY ACIDS	%				
LINOLEIC	%	1.597	1.720		1
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	2.67	2.88		
SHEEP	DE KCAL/KG *	3.07	3.31		
CATTLE	ME KCAL/KG *	2.19	2.36		
CHICKENS	NE-M KCAL/K.	1756.	1892.		1
SHEEP	ME KCAL/KG *	2.52	2.71		
CATTLE	NE-M KCAL/KG *	1.31	1.42		
CATTLE	NE-GAIN KCAL/KG *	0.77	0.83		
CATTLE	NE-LACTATION KCAL/KG *	1.42	1.53		
CATTLE	TDN % *	60.6	65.3		
SHEEP	TDN % *	69.6	75.0		
CALCIUM	%	(0.46)	(0.50)		2
CHLORINE	%	(0.10)	(0.11)		1
MANGANESE	MG/KG	23.0	24.7		1
PHOSPHORUS	%	(0.75)	(0.81)		2
CHICKENS, CHICKS AVAILABLE	%	(0.30)	(0.32)		1
POTASSIUM	%	(1.00)	(1.08)		1
A-TOCOPHEROL	MG/KG	(11.0)	(11.8)		1
CHOLINE	MG/KG	(2894.)	(3118.)		1
NIACIN	MG/KG	219.5	236.6		1
PANTOTHENIC ACID	MG/KG	(12.4)	(13.4)		2
RIBOFLAVIN	MG/KG	(4.7)	(5.1)		2
VITAMIN B6	MG/KG	15.97	17.20		1
ARGININE	%	(5.48)	(5.91)		3
CYSTINE	%	(0.71)	(0.76)		2
GLYCINE	%	(2.69)	(2.90)		2
HISTIDINE	%	(1.39)	(1.50)		3
ISOLEUCINE	%	(2.78)	(3.00)		3
LEUCINE	%	(3.86)	(4.18)		3
LYSINE	%	(2.20)	(2.38)		3
METHIONINE	%	(1.53)	(1.65)		3
PHENYLALANINE	%	(2.94)	(3.16)		3
THREONINE	%	(2.13)	(2.30)		3
TRYPTOPHAN	%	(0.71)	(0.76)		3
VALINE	%	3.24	3.50		3

HELIANTHUS SPP, SEEDS W SOME HULLS, SOLV EXTD GRND PELLETED, (5)

REF NO 5-11-560

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.9	100.0	1	4
CRUDE FIBER	%	17.8	19.6		2
ETHER EXTRACT	%	1.7	1.9	9	4

HELIOTROPIUM ANGIOSPERMUM, HELIOTROPE, ANGIOSPERMUM

HELIOTROPIUM ANGIOSPERMUM ANGIOSPERMUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-498

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.1	100.0		1
ORGANIC MATTER	%	16.4	85.8		1
ASH	%	2.7	14.1		1
CRUDE FIBER	%	4.3	22.6		1
ETHER EXTRACT	%	0.3	1.6		1
NITROGEN FREE EXTRACT	%	8.4	43.9		1
PROTEIN	%	3.4	18.0		1
CATTLE	DIG PROT % *	2.5	13.2		
GOATS	DIG PROT % *	2.6	13.4		
HORSES	DIG PROT % *	2.4	12.6		
RABBITS	DIG PROT % *	2.4	12.6		
SHEEP	DIG PROT % *	2.6	13.6		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	0.51	2.66		
SHEEP	DE KCAL/KG *	0.52	2.70		
CATTLE	ME KCAL/KG *	0.42	2.16		
SHEEP	ME KCAL/KG *	0.42	2.22		
CATTLE	NE-M KCAL/KG *	0.35	1.29		
CATTLE	NE-GAIN KCAL/KG *	0.13	0.67		
CATTLE	NE-LACTATION KCAL/KG *	0.26	1.36		
CATTLE	TDN % *	11.5	60.4		
SHEEP	TDN % *	11.7	61.3		
CALCIUM	%	0.47	2.46		1
PHOSPHORUS	%	0.05	0.24		1

HEMARTHRIA ALTISSIMA, SWAMP COUCH

HEMARTHRIA ALTISSIMA, AERIAL PART, FRESH, (2)

REF NO 2-10-410

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.9	100.0		2
ORGANIC MATTER	%	21.9	91.7		
ASH	%	2.0	8.4		2
CRUDE FIBER	%	7.4	30.9		2
PROTEIN	%	2.1	8.6		2
CATTLE	DIG PROT % *	1.2	5.2		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT % *	1.1	4.6	
HORSES	DIG PROT % *	1.2	4.8	
RABBITS	DIG PROT % *	1.3	5.3	
SHEEP	DIG PROT % *	1.2	5.0	

HETEROPOGON CONTORTUS, TANGLEHEAD

HETEROPOGON CONTORTUS, AERIAL PART, FRESH, (2)

REF NO 2-04-805

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.4	
ASH	%		11.6	1
CRUDE FIBER	%		32.1	1
ETHER EXTRACT	%		0.4	1
NITROGEN FREE EXTRACT	%		51.4	1
PROTEIN	%		4.5	1
CATTLE	DIG PROT % *		1.7	
GOATS	DIG PROT % *		0.8	
HORSES	DIG PROT % *		1.4	
RABBITS	DIG PROT % *		2.1	
SHEEP	DIG PROT % *		1.2	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		2.36	
SHEEP	ME MCAL/KG *		1.93	
SHEEP	TDN % *		53.5	

HIBISCUS CANNABINUS, HIBISCUS, KENAF

HIBISCUS CANNABINUS KENAF, SEEDS, SOLV EXTD GRND, (1)

REF NO 1-10-407

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	93.8	100.0	1
ORGANIC MATTER	%	89.1	95.0	
ASH	%	4.7	5.0	1
CRUDE FIBER	%	86.8	92.5	1
ETHER EXTRACT	%	0.2	0.2	1
NITROGEN FREE EXTRACT	%	0.6	0.6	1
PROTEIN	%	1.5	1.6	1
CATTLE	DIG PROT % *	-1.6	-1.7	
GOATS	DIG PROT % *	-1.8	-1.9	
HORSES	DIG PROT % *	-1.0	-1.1	
RABBITS	DIG PROT % *	-0.1	-0.1	
SHEEP	DIG PROT % *	-1.9	-2.0	

HIBISCUS ROSA-SINENSIS, HIBISCUS, CHINESE

HIBISCUS ROSA-SINENSIS CHINESE, LEAVES, FRESH, (2)

REF NO 2-10-511

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.8	
ASH	%		10.2	1
CRUDE FIBER	%		13.9	1
ETHER EXTRACT	%		3.1	1
NITROGEN FREE EXTRACT	%		59.0	1
PROTEIN	%		13.8	1
CATTLE	DIG PROT % *		9.6	
GOATS	DIG PROT % *		9.4	
HORSES	DIG PROT % *		9.2	
RABBITS	DIG PROT % *		9.3	
SHEEP	DIG PROT % *		9.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.95	
SHEEP	DE MCAL/KG *		3.18	
CATTLE	ME MCAL/KG *		3.24	
SHEEP	ME MCAL/KG *		2.61	
CATTLE	NE-M MCAL/KG *		2.21	
CATTLE	NE-GAIN MCAL/KG *		1.45	
CATTLE	NE-LACTATION MCAL/KG *		2.37	
CATTLE	TDN % *		69.5	
SHEEP	TDN % *		72.1	

HIBISCUS SABDARIFFA, ROSELLE

HIBISCUS SABDARIFFA, FRUIT, (4)

REF NO 4-10-510

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.1	
ASH	%		5.9	1
CRUDE FIBER	%		25.8	1
ETHER EXTRACT	%		0.5	1
NITROGEN FREE EXTRACT	%		56.9	1
PROTEIN	%		11.5	1
CATTLE	DIG PROT % *		6.6	
GOATS	DIG PROT % *		7.8	
HORSES	DIG PROT % *		7.8	
SHEEP	DIG PROT % *		7.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.25	
SHEEP	DE MCAL/KG *		3.14	
SWINE	DE KCAL/KG *		1832.	
CATTLE	ME MCAL/KG *		1.85	
SHEEP	ME MCAL/KG *		2.58	
SWINE	ME KCAL/KG *		1716.	
CATTLE	NE-M MCAL/KG *		1.09	
CATTLE	NE-GAIN MCAL/KG *		0.32	
CATTLE	NE-LACTATION MCAL/KG *		1.04	
CATTLE	TDN % *		51.1	
SHEEP	TDN % *		71.2	
SWINE	TDN % *		41.6	

HIERUCHLOE MEXICANA, SWEETGRASS, MEXICAN

HIERUCHLOE MEXICANA MEXICAN, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-15-436

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	23.1	92.2	1
ASH	%	2.0	7.8	1
CRUDE FIBER	%	7.2	28.8	1
ETHER EXTRACT	%	0.6	2.5	1
NITROGEN FREE EXTRACT	%	12.3	49.3	1
PROTEIN	%	2.9	11.6	1
CATTLE	DIG PROT % *	1.9	7.8	
GOATS	DIG PROT % *	1.8	7.4	
HORSES	DIG PROT % *	1.8	7.4	
RABBITS	DIG PROT % *	1.9	7.6	
SHEEP	DIG PROT % *	2.0	7.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.69	2.75	
SHEEP	DE MCAL/KG *	0.68	2.72	
CATTLE	ME MCAL/KG *	0.56	2.26	
SHEEP	ME MCAL/KG *	0.56	2.23	
CATTLE	NE-M MCAL/KG *	0.34	1.34	
CATTLE	NE-GAIN MCAL/KG *	0.18	0.74	
CATTLE	NE-LACTATION MCAL/KG *	0.36	1.43	
CATTLE	TDN % *	15.6	62.4	
SHEEP	TDN % *	15.4	61.8	
CALCIUM	%	0.04	0.14	1
PHOSPHORUS	%	0.03	0.12	1

HILARIA BELANGERI, CURLYMESQUITE

HILARIA BELANGERI, AERIAL PART, FRESH, (2)

REF NO 2-01-728

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.5	
ASH	%		5.6	2
CRUDE FIBER	%		19.9	2
ETHER EXTRACT	%		1.0	2
NITROGEN FREE EXTRACT	%		66.9	2
PROTEIN	%		6.8	2
CATTLE	DIG PROT % *		3.6	
GOATS	DIG PROT % *		2.9	
HORSES	DIG PROT % *		3.3	
RABBITS	DIG PROT % *		3.9	
SHEEP	DIG PROT % *		3.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.17	
SHEEP	DE MCAL/KG *		3.12	
CATTLE	ME MCAL/KG *		2.60	
SHEEP	ME MCAL/KG *		2.56	
CATTLE	NE-M MCAL/KG *		1.60	
CATTLE	NE-GAIN MCAL/KG *		1.03	
CATTLE	NE-LACTATION MCAL/KG *		1.76	
CATTLE	TDN % *		71.9	
SHEEP	TDN % *		70.7	

HILARIA MUTICA, TUBOSA

HILARIA MUTICA, AERIAL PART, FRESH, (2)

REF NO 2-13-390

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		91.1	
ASH	%		8.9	8
CRUDE FIBER	%		31.0	8
ETHER EXTRACT	%		2.2	8
NITROGEN FREE EXTRACT	%		49.2	8
PROTEIN	%		8.0	8
CATTLE	DIG PROT % *		4.7	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT % *		4.0		
HORSES	DIG PROT % *		4.3		
RABBITS	DIG PROT % *		4.8		
SHEEP	DIG PROT % *		4.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.45		
SHEEP	DE MCAL/KG *		2.58		
CATTLE	ME MCAL/KG *		2.01		
SHEEP	ME MCAL/KG *		2.11		
CATTLE	NE-M MCAL/KG *		1.19		
CATTLE	NE-GAIN MCAL/KG *		0.50		
CATTLE	NE-LACTATION MCAL/KG *		1.20		
CATTLE	TDN % *		55.6		
SHEEP	TDN % *		58.5		

HIRSCHFELDIA INCANIA

HIRSCHFELDIA INCANIA INCANIA, AERIAL PART, FRESH, (2)

REF NO 2-11-039

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
OM IN VITRO (TILLY)	DIG COEF %		30.		1
PROTEIN	%		5.9		3
CATTLE	DIG PROT % *		2.9		
GOATS	DIG PROT % *		2.1		
HORSES	DIG PROT % *		2.5		
RABBITS	DIG PROT % *		3.2		
SHEEP	DIG PROT % *		2.5		
PHOSPHORUS	%		0.19		2

HIRSCHFELDIA INCANIA INCANIA, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-17-501

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
OM IN VITRO (TILLY)	DIG COEF %		30.		1
PROTEIN	%		5.9		3
CATTLE	DIG PROT % *		2.9		
GOATS	DIG PROT % *		2.1		
HORSES	DIG PROT % *		2.5		
RABBITS	DIG PROT % *		3.2		
SHEEP	DIG PROT % *		2.5		
PHOSPHORUS	%		0.19		2

HOLCUS LANATUS, VELVETGRASS, COMMON

HOLCUS LANATUS COMMON, STRAW, (1)

REF NO 1-13-394

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.2	100.0		1
ORGANIC MATTER	%	79.3	93.1		1
ASH	%	5.9	6.9		1
SHEEP	DIG COEF %	57.	57.		
PROTEIN	%	5.5	6.5		1
SHEEP	DIG COEF %	36.	36.		1
CATTLE	DIG PROT % *	2.2	2.6		
GOATS	DIG PROT % *	2.2	2.6		
HORSES	DIG PROT % *	2.6	3.0		
RABBITS	DIG PROT % *	3.1	3.7		
SHEEP	DIG PROT %	2.0	2.3		
CELL WALLS (VAN SOEST)	%	65.5	76.9		1
FIBER, ACID DETERGENT (VS)	%	43.9	51.5		1
LIGNIN (VAN SOEST)	%	5.9	6.9		1
ENERGY	GE KCAL/KG	3837.	4504.		1
SHEEP	GL DIG COEF %	43.	43.		1
SHEEP	DE MCAL/KG	1.65	1.94		1
SHEEP	ME MCAL/KG *	1.35	1.59		
SHEEP	TDN % *	37.4	44.0		

HOMARUS AMERICANUS, LOBSTER

HOMARUS AMERICANUS, PROCESS RESIDUE, DEHY GRND, (5)

REF NO 5-02-635

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.9	100.0		2
ORGANIC MATTER	%	60.0	69.4		
ASH	%	26.9	30.6		2
CRUDE FIBER	%	14.1	16.3		2
ETHER EXTRACT	%	2.7	3.2		2
NITROGEN FREE EXTRACT	%	5.2	6.0		2
PROTEIN	%	38.0	44.0		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.63	0.73		
SHEEP	DE MCAL/KG *	1.62	1.87		
CATTLE	ME MCAL/KG *	0.52	0.60		
SHEEP	ME MCAL/KG *	1.33	1.54		
CATTLE	NE-M MCAL/KG *	0.50	0.58		
CATTLE	NE-GAIN MCAL/KG *	-1.42	-1.65		
CATTLE	NE-LACTATION MCAL/KG *	-0.13	-0.14		
CATTLE	TDN % *	14.3	16.6		
SHEEP	TDN % *	36.8	42.5		
CALCIUM	%	12.65	14.62		2
PHOSPHORUS	%	1.35	1.56		2
ALANINE	%	0.82	0.95		1
ARGININE	%	1.68	1.94		1
ASPARTIC ACID	%	2.95	3.41		1
GLUTAMIC ACID	%	4.08	4.72		1
GLYCINE	%	2.08	2.40		1
HISTIDINE	%	0.63	0.73		1
ISOLEUCINE	%	1.37	1.58		1
LEUCINE	%	1.90	2.20		1
LYSINE	%	1.58	1.83		1
METHIONINE	%	0.53	0.61		1
PHENYLALANINE	%	1.37	1.58		1
PROLINE	%	1.10	1.27		1
SERINE	%	1.05	1.21		1
THREONINE	%	1.40	1.62		1
TYROSINE	%	1.37	1.58		1
VALINE	%	2.50	2.89		1

HOMINY FEED (CFA)
*SEE ZEA MAYS, GRITS BY-PRODUCT, MN 5% FAT, (4)

HOMINY FEED (AAFCO)
*SEE ZEA MAYS, GRITS BY-PRODUCT, MN 5% FAT, (4)

HOMINY GRITS (AAFCO)
*SEE ZEA MAYS, GRITS, CRACKED FINE SCREENED, (4)

HOMOLEPSIS ATURENSIS

HOMOLEPSIS ATURENSIS ATURENSIS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-619

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.6		
ASH	%		7.4		1
CRUDE FIBER	%		43.7		1
ETHER EXTRACT	%		1.6		1
NITROGEN FREE EXTRACT	%		41.8		1
PROTEIN	%		6.3		1
CATTLE	DIG PROT % *		3.2		
GOATS	DIG PROT % *		2.4		
HORSES	DIG PROT % *		2.9		
RABBITS	DIG PROT % *		3.5		
SHEEP	DIG PROT % *		2.9		

HORDEUM DISTICHON, BARLEY, 2-ROW

HORDEUM DISTICHON 2-ROW, HAY, 8-C, (1)

REF NO I-10-406

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	99.1	100.0		1
ORGANIC MATTER	%	94.8	95.7		
ASH	%	4.3	4.3		1
CRUDE FIBER	%	43.4	43.8		1
ETHER EXTRACT	%	1.0	1.0		1
NITROGEN FREE EXTRACT	%	47.9	48.3		1
PROTEIN	%	2.5	2.5		1
CATTLE	DIG PROT % *	-0.9	-0.9		
GOATS	DIG PROT % *	-1.1	-1.1		
HORSES	DIG PROT % *	-0.3	-0.3		
RABBITS	DIG PROT % *	0.6	0.6		
SHEEP	DIG PROT % *	-1.2	-1.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.28	2.30		
HORSES	DE MCAL/KG *	1.14	1.15		
SHEEP	DE MCAL/KG *	2.20	2.22		
CATTLE	ME MCAL/KG *	1.87	1.89		
HORSES	ME MCAL/KG *	0.93	0.94		
SHEEP	ME MCAL/KG *	1.80	1.82		
CATTLE	NE-M MCAL/KG *	1.10	1.11		
CATTLE	NE-GAIN MCAL/KG *	0.36	0.37		
CATTLE	NE-LACTATION MCAL/KG *	1.07	1.08		
CATTLE	TDN % *	51.7	52.2		
HORSES	TDN % *	26.5	26.7		
SHEEP	TDN % *	49.9	50.3		
CALCIUM	%	0.25	0.25		1
MAGNESIUM	%	0.06	0.06		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%	0.03	0.03		1

HORDEUM DISTICHON 2-ROW, MALT HULLS, (1)

REF NO 1-11-887

DRY MATTER		%	87.2	100.0	2
ORGANIC MATTER		%	80.7	92.6	
ASH		%	6.4	7.4	2
CRUDE FIBER		%	31.2	35.8	2
ETHER EXTRACT		%	2.2	2.5	2
NITROGEN FREE EXTRACT		%	42.0	48.2	2
PROTEIN		%	5.3	6.1	2
CATTLE	DIG PROT	% *	1.9	2.2	
GOATS	DIG PROT	% *	2.0	2.2	
HORSES	DIG PROT	% *	2.4	2.7	
RABBITS	DIG PROT	% *	2.9	3.4	
SHEEP	DIG PROT	% *	1.8	2.0	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.04	2.35	
HORSES	DE	MCAL/KG *	1.56	1.80	
SHEEP	DE	MCAL/KG *	1.97	2.26	
CATTLE	ME	MCAL/KG *	1.68	1.92	
HORSES	ME	MCAL/KG *	1.28	1.47	
SHEEP	ME	MCAL/KG *	1.61	1.85	
CATTLE	NE-M	MCAL/KG *	0.99	1.13	
CATTLE	NE-GAIN	MCAL/KG *	0.35	0.41	
CATTLE	NE-LACTATION	MCAL/KG *	0.97	1.12	
CATTLE	TDN	% *	46.4	53.2	
HORSES	TDN	% *	38.8	44.5	
SHEEP	TDN	% *	44.6	51.2	

HORDEUM DISTICHON 2-ROW, MALT HULLS W CHAFF, (1)

REF NO 1-11-888

DRY MATTER		%	86.9	100.0	1
ORGANIC MATTER		%	79.4	91.4	
ASH		%	7.5	8.6	1
CRUDE FIBER		%	14.5	16.7	1
ETHER EXTRACT		%	2.4	2.8	1
NITROGEN FREE EXTRACT		%	52.6	60.5	1
PROTEIN		%	9.9	11.4	1
CATTLE	DIG PROT	% *	5.9	6.8	
GOATS	DIG PROT	% *	6.2	7.2	
HORSES	DIG PROT	% *	6.3	7.2	
RABBITS	DIG PROT	% *	6.5	7.5	
SHEEP	DIG PROT	% *	5.9	6.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.47	2.84	
HORSES	DE	MCAL/KG *	1.60	1.84	
SHEEP	DE	MCAL/KG *	2.40	2.77	
CATTLE	ME	MCAL/KG *	2.03	2.33	
HORSES	ME	MCAL/KG *	1.31	1.51	
SHEEP	ME	MCAL/KG *	1.97	2.27	
CATTLE	NE-M	MCAL/KG *	1.21	1.40	
CATTLE	NE-GAIN	MCAL/KG *	0.70	0.81	
CATTLE	NE-LACTATION	MCAL/KG *	1.31	1.50	
CATTLE	TDN	% *	56.0	64.5	
HORSES	TDN	% *	39.6	45.6	
SHEEP	TDN	% *	54.9	62.8	

HORDEUM DISTICHON 2-ROW, STRAW, S-C, (1)

REF NO 1-10-229

DRY MATTER		%	97.3	100.0	1
ORGANIC MATTER		%	91.2	93.7	
ASH		%	6.1	6.3	1
CRUDE FIBER		%	45.3	46.6	1
ETHER EXTRACT		%	2.6	2.7	1
NITROGEN FREE EXTRACT		%	40.6	41.7	1
PROTEIN		%	2.7	2.8	1
CATTLE	DIG PROT	% *	-0.6	-0.7	
GOATS	DIG PROT	% *	-0.8	-0.9	
HORSES	DIG PROT	% *	-0.1	-0.1	
RABBITS	DIG PROT	% *	0.8	0.8	
SHEEP	DIG PROT	% *	-0.9	-0.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.16	2.22	
HORSES	DE	MCAL/KG *	1.61	1.65	
SHEEP	DE	MCAL/KG *	2.07	2.13	
CATTLE	ME	MCAL/KG *	1.77	1.82	
HORSES	ME	MCAL/KG *	1.32	1.35	
SHEEP	ME	MCAL/KG *	1.70	1.74	
CATTLE	NE-M	MCAL/KG *	1.05	1.08	
CATTLE	NE-GAIN	MCAL/KG *	0.29	0.30	
CATTLE	NE-LACTATION	MCAL/KG *	0.99	1.02	
CATTLE	TDN	% *	49.1	50.6	
HORSES	TDN	% *	39.4	40.5	
SHEEP	TDN	% *	46.9	48.3	
CALCIUM		%	0.29	0.30	1
MAGNESIUM		%	0.07	0.07	1
PHOSPHORUS		%	0.02	0.02	1

HORDEUM DISTICHON 2-ROW, GRAIN, (4)

REF NO 4-11-889

DRY MATTER		%		100.0	
PROTEIN		%		11.1	1
CATTLE	DIG PROT	% *		6.2	
GOATS	DIG PROT	% *		7.4	
HORSES	DIG PROT	% *		7.4	
SHEEP	DIG PROT	% *		7.4	

HORDEUM DISTICHON 2-ROW, MALT, (4)

REF NO 4-11-891

DRY MATTER		%	86.8	100.0	3
ORGANIC MATTER		%	84.2	97.0	
ASH		%	2.6	3.0	2
CRUDE FIBER		%	2.2	2.6	3
ETHER EXTRACT		%	2.0	2.3	2
NITROGEN FREE EXTRACT		%	69.2	79.8	2
PROTEIN		%	10.7	12.4	3
CATTLE	DIG PROT	% *	6.4	7.4	
GOATS	DIG PROT	% *	7.4	8.6	
HORSES	DIG PROT	% *	7.4	8.6	
SHEEP	DIG PROT	% *	7.4	8.6	
STARCH		%	67.3	77.5	2
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	3.00	3.45	
SHEEP	DE	MCAL/KG *	3.28	3.78	
SWINE	DE	KCAL/KG *	3252.	3748.	
CATTLE	ME	MCAL/KG *	2.46	2.83	
SHEEP	ME	MCAL/KG *	2.69	3.10	
SWINE	ME	KCAL/KG *	3041.	3504.	
CATTLE	NE-M	MCAL/KG *	1.56	1.80	
CATTLE	NE-GAIN	MCAL/KG *	1.04	1.20	
CATTLE	NE-LACTATION	MCAL/KG *	1.72	1.98	
CATTLE	TDN	% *	68.0	78.3	
SHEEP	TDN	% *	74.4	85.8	
SWINE	TDN	% *	73.8	85.0	

HORDEUM DISTICHON 2-ROW, MALT, DEHY GRND, (4)

REF NO 4-10-402

DRY MATTER		%	94.3	100.0	1
ORGANIC MATTER		%	87.3	92.6	
ASH		%	7.0	7.4	1
CRUDE FIBER		%	17.0	18.0	1
ETHER EXTRACT		%	2.8	3.0	1
NITROGEN FREE EXTRACT		%	53.0	56.2	1
PROTEIN		%	14.5	15.4	1
CATTLE	DIG PROT	% *	9.6	10.1	
GOATS	DIG PROT	% *	10.7	11.3	
HORSES	DIG PROT	% *	10.7	11.3	
SHEEP	DIG PROT	% *	10.7	11.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.21	2.34	
SHEEP	DE	MCAL/KG *	2.84	3.02	
SWINE	DE	KCAL/KG *	2276.	2414.	
CATTLE	ME	MCAL/KG *	1.81	1.92	
SHEEP	ME	MCAL/KG *	2.33	2.47	
SWINE	ME	KCAL/KG *	2114.	2242.	
CATTLE	NE-M	MCAL/KG *	1.07	1.13	
CATTLE	NE-GAIN	MCAL/KG *	0.38	0.40	
CATTLE	NE-LACTATION	MCAL/KG *	1.05	1.11	
CATTLE	TDN	% *	50.0	53.1	
SHEEP	TDN	% *	64.5	68.4	
SWINE	TDN	% *	51.6	54.7	

HORDEUM DISTICHON 2-ROW, BREWERS GRAINS, COOKED, (3)

REF NO 5-10-403

DRY MATTER		%	42.3	100.0	1
ORGANIC MATTER		%	40.2	95.0	
ASH		%	2.1	5.0	1
CRUDE FIBER		%	7.5	17.7	1
ETHER EXTRACT		%	4.1	9.7	1
NITROGEN FREE EXTRACT		%	18.2	43.0	1
PROTEIN		%	10.4	24.6	1
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.36	3.22	
SHEEP	DE	MCAL/KG *	1.46	3.50	
CATTLE	ME	MCAL/KG *	1.12	2.64	
SHEEP	ME	MCAL/KG *	1.21	2.87	
CATTLE	NE-M	MCAL/KG *	0.69	1.64	
CATTLE	NE-GAIN	MCAL/KG *	0.45	1.06	
CATTLE	NE-LACTATION	MCAL/KG *	0.76	1.80	
CATTLE	TDN	% *	30.9	73.1	
SHEEP	TDN	% *	33.6	79.4	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORDEUM DISTICHON 2-ROW, BREWERS GRAINS, DEHY, (5)						
REF NO 5-10-404						
DRY MATTER		%	89.5	100.0		2
ORGANIC MATTER		%	84.6	94.5		
ASH		%	4.9	5.5		3
CRUDE FIBER		%	13.0	14.6		3
ETHER EXTRACT		%	2.6	2.9		3
NITROGEN FREE EXTRACT		%	48.1	53.8		3
PROTEIN		%	20.8	23.3		3
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.92	3.27		
SHEEP	DE MCAL/KG *		2.97	3.32		
CATTLE	ME MCAL/KG *		2.40	2.68		
SHEEP	ME MCAL/KG *		2.44	2.72		
CATTLE	NE-M MCAL/KG *		1.49	1.67		
CATTLE	NE-GAIN MCAL/KG *		0.97	1.09		
CATTLE	NE-LACTATION MCAL/KG *		1.64	1.84		
CATTLE	TDN % *		66.3	74.1		
SHEEP	TDN % *		67.4	75.3		
CALCIUM		%	0.17	0.19		1
COPPER		MG/KG	12.4	13.8		1
IRON		%	0.019	0.022		1
MAGNESIUM		%	0.14	0.16		1
MANGANESE		MG/KG	32.2	36.0		1
HORDEUM DISTICHON 2-ROW, BREWERS GRAINS, WET, (5)						
REF NO 5-10-405						
DRY MATTER		%	22.6	100.0		2
ORGANIC MATTER		%	20.3	90.2		
ASH		%	2.2	9.8		2
CRUDE FIBER		%	3.6	16.2		2
ETHER EXTRACT		%	1.1	4.8		2
NITROGEN FREE EXTRACT		%	10.2	45.3		2
PROTEIN		%	5.4	23.9		2
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.64	2.86		
SHEEP	DE MCAL/KG *		0.69	3.07		
CATTLE	ME MCAL/KG *		0.53	2.34		
SHEEP	ME MCAL/KG *		0.57	2.52		
CATTLE	NE-M MCAL/KG *		0.32	1.40		
CATTLE	NE-GAIN MCAL/KG *		0.18	0.82		
CATTLE	NE-LACTATION MCAL/KG *		0.34	1.51		
CATTLE	TDN % *		14.6	64.8		
SHEEP	TDN % *		15.7	69.6		
HORDEUM DISTICHON 2-ROW, MALT SPROUT CLEANINGS, (5)						
REF NO 5-11-893						
DRY MATTER		%	90.7	100.0		2
ORGANIC MATTER		%	85.7	94.5		
ASH		%	5.0	5.5		2
CRUDE FIBER		%	8.2	9.0		2
ETHER EXTRACT		%	3.9	4.3		2
NITROGEN FREE EXTRACT		%	56.9	62.8		2
PROTEIN		%	16.6	18.4		2
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		3.40	3.75		
SHEEP	DE MCAL/KG *		3.36	3.71		
CATTLE	ME MCAL/KG *		2.79	3.08		
SHEEP	ME MCAL/KG *		2.76	1.04		
CATTLE	NE-M MCAL/KG *		1.85	2.04		
CATTLE	NE-GAIN MCAL/KG *		1.23	1.35		
CATTLE	NE-LACTATION MCAL/KG *		2.01	2.21		
CATTLE	TDN % *		77.2	85.1		
SHEEP	TDN % *		76.3	84.1		
HORDEUM DISTICHON 2-ROW, MALT SPROUT CLEANINGS W HULLS, DEHY, (5)						
REF NO 5-11-894						
DRY MATTER		%	70.6	100.0	49	4
ORGANIC MATTER		%	66.6	94.4		
ASH		%	3.9	5.6	11	4
CRUDE FIBER		%	9.4	13.4	18	4
ETHER EXTRACT		%	2.6	3.6	93	4
NITROGEN FREE EXTRACT		%	38.5	54.6	11	4
PROTEIN		%	16.1	22.9	11	4
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.37	3.36		
SHEEP	DE MCAL/KG *		2.41	3.42		
CATTLE	ME MCAL/KG *		1.94	2.75		
SHEEP	ME MCAL/KG *		1.98	2.80		
CATTLE	NE-M MCAL/KG *		1.22	1.73		
CATTLE	NE-GAIN MCAL/KG *		0.81	1.14		
CATTLE	NE-LACTATION MCAL/KG *		1.35	1.91		
CATTLE	TDN % *		95.7	76.2		
SHEEP	TDN % *		54.7	77.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALCIUM		%	0.11	0.15		1
COPPER		MG/KG	26.4	37.4		1
IRON		%	0.012	0.018		1
MAGNESIUM		%	0.11	0.15		1
MANGANESE		MG/KG	31.0	44.0		1
HORDEUM DISTICHON 2-ROW, MALT SPROUTS W HULLS, DEHY, (5)						
REF NO 5-11-892						
DRY MATTER		%	86.2	100.0		2
ORGANIC MATTER		%	82.1	95.3		
ASH		%	4.1	4.7		2
CRUDE FIBER		%	14.5	16.8		2
ETHER EXTRACT		%	3.7	4.4		2
NITROGEN FREE EXTRACT		%	52.2	60.6		2
PROTEIN		%	11.7	13.5		2
HORDEUM LEPORINUM, BARLEY, LEPORINUM						
HORDEUM LEPORINUM LEPORINUM, HAY, 5-C, EARLY VEGETATIVE, CUT 1, (1)						
REF NO 1-15-434						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		41.	13	9
PROTEIN		%		10.4	23	5
CATTLE	DIG PROT	% *		6.0		
GOATS	DIG PROT	% *		6.3		
HORSES	DIG PROT	% *		6.4		
RABBITS	DIG PROT	% *		6.7		
SHEEP	DIG PROT	% *		5.9		
PHOSPHORUS		%		0.21		2
HORDEUM LEPORINUM LEPORINUM, AERIAL PART, FRESH, (2)						
REF NO 2-07-758						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		41.	13	5
PROTEIN		%		10.4	23	5
CATTLE	DIG PROT	% *		6.8		
GOATS	DIG PROT	% *		6.3		
HORSES	DIG PROT	% *		6.4		
RABBITS	DIG PROT	% *		6.7		
SHEEP	DIG PROT	% *		6.7		
PHOSPHORUS		%		0.21		2
HORDEUM MUTICUM, BARLEY, MUTICUM						
HORDEUM MUTICUM MUTICUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-11-624						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		81.		1
PROTEIN		%		15.1		1
CATTLE	DIG PROT	% *		10.7		
GOATS	DIG PROT	% *		10.6		
HORSES	DIG PROT	% *		10.3		
RABBITS	DIG PROT	% *		10.3		
SHEEP	DIG PROT	% *		11.1		
CELL WALLS (VAN SOEST)		%		56.8		1
CELL WALLS IN VITRO	DIG COEF	%		67.		1
CELLULOSE (VAN SOEST)		%		21.8		1
FIBER, ACID DETERGENT (VS)		%		28.0		1
HEMICELLULOSE		%		29.8		1
LIGNIN RAMDA (VS)		%		(4.0)		1
HORDEUM SPP, BARLEY						
HORDEUM SPP, AERIAL PART, FRESH, (2)						
REF NO 2-13-392						
DRY MATTER		%		(100.0)		
ORGANIC MATTER		%		(92.8)		
ASH		%		(7.2)		1
ETHER EXTRACT		%		(1.9)		1
PROTEIN		%		(11.3)		1
CATTLE	DIG PROT	% *		(7.9)		
GOATS	DIG PROT	% *		(7.1)		
HORSES	DIG PROT	% *		(7.1)		
RABBITS	DIG PROT	% *		(7.4)		
SHEEP	DIG PROT	% *		7.5		
HORDEUM VULGARE, BARLEY						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORDEUM VULGARE, BRAN, (1)						
REF NO 1-00-515						
DRY MATTER		%	22.4	100.0		1
ORGANIC MATTER		%	21.5	96.1		
ASH		%	0.9	3.9		1
CRUDE FIBER		%	3.1	13.9		1
ETHER EXTRACT		%	0.7	3.1		1
NITROGEN FREE EXTRACT		%	10.1	45.0		1
PROTEIN		%	7.7	34.2		1
CATTLE	DIG PROT	% *	6.0	26.6		
GOATS	DIG PROT	% *	6.4	28.5		
HORSES	DIG PROT	% *	6.0	26.6		
RABBITS	DIG PROT	% *	5.6	25.1		
SHEEP	DIG PROT	% *	6.1	27.3		
HORDEUM VULGARE, HAY, S-C, (1)						
REF NO 1-00-495						
DRY MATTER		%	84.2	100.0		1
ORGANIC MATTER		%	79.9	94.9		
ASH		%	4.3	5.1		1
CRUDE FIBER		%	13.7	16.3		1
ETHER EXTRACT		%	2.1	2.5		1
NITROGEN FREE EXTRACT		%	54.5	64.7		1
PROTEIN		%	9.6	11.4		1
CATTLE	DIG PROT	% *	5.7	6.8		
GOATS	DIG PROT	% *	6.1	7.2		
HORSES	DIG PROT	% *	6.1	7.2		
RABBITS	DIG PROT	% *	6.3	7.5		
SHEEP	DIG PROT	% *	5.7	6.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.40	2.85		
SHEEP	DE	MCAL/KG *	2.40	2.85		
CATTLE	ME	MCAL/KG *	1.97	2.34		
SHEEP	ME	MCAL/KG *	1.97	2.34		
CATTLE	NE-M	MCAL/KG *	1.18	1.40		
CATTLE	NE-GAIN	MCAL/KG *	0.69	0.82		
CATTLE	NE-LACTATION	MCAL/KG *	1.27	1.51		
CATTLE	TDN	% *	54.5	64.7		
SHEEP	TDN	% *	54.4	64.6		
HORDEUM VULGARE, HULLS, (1) BARLEY HULLS (AAFCO)						
REF NO 1-00-496						
DRY MATTER		%	89.6	100.0		2
ORGANIC MATTER		%	82.3	91.9		
ASH		%	7.3	8.1		3
CRUDE FIBER		%	26.8	30.0	24	4
ETHER EXTRACT		%	1.2	1.4		2
NITROGEN FREE EXTRACT		%	45.2	50.4		2
PROTEIN		%	9.1	10.2		3
CATTLE	DIG PROT	% *	5.2	5.7		
GOATS	DIG PROT	% *	5.4	6.0		
HORSES	DIG PROT	% *	5.5	6.2		
RABBITS	DIG PROT	% *	5.8	6.5		
SHEEP	DIG PROT	% *	5.1	5.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.13	2.37		
HORSES	DE	MCAL/KG *	1.55	1.73		
SHEEP	DE	MCAL/KG *	2.13	2.38		
CATTLE	ME	MCAL/KG *	1.74	1.95		
HORSES	ME	MCAL/KG *	1.27	1.42		
SHEEP	ME	MCAL/KG *	1.75	1.95		
CATTLE	NE-M	MCAL/KG *	1.03	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.39	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	1.02	1.14		
CATTLE	TDN	% *	48.3	53.9		
HORSES	TDN	% *	38.2	42.7		
SHEEP	TDN	% *	(48.3)	(53.9)		
HORDEUM VULGARE, HULLS, GROUND, (1)						
REF NO 1-13-393						
DRY MATTER		%	(95.7)	(100.0)		1
ORGANIC MATTER		%	83.8	87.6		
ASH		%	11.9	12.4		1
CRUDE FIBER		%	23.4	24.5		1
ETHER EXTRACT		%	2.9	3.0		1
NITROGEN FREE EXTRACT		%	53.1	55.5		
PROTEIN		%	4.4	4.6		1
CATTLE	DIG PROT	% *	0.9	0.9		
GOATS	DIG PROT	% *	0.8	0.8		
HORSES	DIG PROT	% *	1.4	1.4		
RABBITS	DIG PROT	% *	2.1	2.2		
SHEEP	DIG PROT	% *	0.7	0.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.31	2.41		
HORSES	DE	MCAL/KG *	1.91	1.99		
SHEEP	DE	MCAL/KG *	2.21	2.31		
CATTLE	ME	MCAL/KG *	1.89	1.98		
HORSES	ME	MCAL/KG *	1.56	1.63		
SHEEP	ME	MCAL/KG *	1.81	1.89		
CATTLE	NE-M	MCAL/KG *	1.12	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.45	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	1.12	1.17		
CATTLE	TDN	% *	52.4	54.8		
HORSES	TDN	% *	47.7	49.9		
SHEEP	TDN	% *	50.0	52.3		
HORDEUM VULGARE, MALT HULLS, (1) MALT HULLS (AAFCO)						
REF NO 1-00-497						
DRY MATTER		%	89.6	100.0		1
ORGANIC MATTER		%	84.6	94.4		
ASH		%	5.0	5.6		1
CRUDE FIBER		%	21.1	23.5		1
ETHER EXTRACT		%	0.6	0.7		1
NITROGEN FREE EXTRACT		%	48.8	54.5		1
PROTEIN		%	14.1	15.7		1
CATTLE	DIG PROT	% *	9.5	10.6		
GOATS	DIG PROT	% *	10.1	11.2		
HORSES	DIG PROT	% *	9.8	10.9		
RABBITS	DIG PROT	% *	9.7	10.8		
SHEEP	DIG PROT	% *	9.6	10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.28	2.54		
SHEEP	DE	MCAL/KG *	2.35	2.62		
CATTLE	ME	MCAL/KG *	1.87	2.08		
SHEEP	ME	MCAL/KG *	1.93	2.15		
CATTLE	NE-M	MCAL/KG *	1.10	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.51	0.57		
CATTLE	NE-LACTATION	MCAL/KG *	1.14	1.27		
CATTLE	TDN	% *	51.6	57.6		
SHEEP	TDN	% *	53.3	59.5		
HORDEUM VULGARE, STRAW, (1).						
REF NO 1-00-498						
DRY MATTER		%	89.4	100.0		1
ORGANIC MATTER		%	79.6	89.1		
ASH		%	9.8	10.9		2
CRUDE FIBER		%	26.5	29.7		2
ETHER EXTRACT		%	2.0	2.2		2
NITROGEN FREE EXTRACT		%	43.9	49.1		2
PROTEIN		%	7.2	8.1		2
CATTLE	DIG PROT	% *	3.5	3.9		
GOATS	DIG PROT	% *	3.7	4.1		
HORSES	DIG PROT	% *	3.9	4.4		
RABBITS	DIG PROT	% *	4.4	4.9		
SHEEP	DIG PROT	% *	3.4	3.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.09	2.33		
HORSES	DE	MCAL/KG *	1.64	1.84		
SHEEP	DE	MCAL/KG *	2.04	2.28		
CATTLE	ME	MCAL/KG *	1.71	1.91		
HORSES	ME	MCAL/KG *	1.35	1.51		
SHEEP	ME	MCAL/KG *	1.67	1.87		
CATTLE	NE-M	MCAL/KG *	1.01	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.35	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.99	1.11		
CATTLE	TDN	% *	47.3	52.9		
HORSES	TDN	% *	40.8	45.6		
SHEEP	TDN	% *	46.3	51.8		
HORDEUM VULGARE, AERIAL PART, FRESH, (2)						
REF NO 2-00-511						
DRY MATTER		%	29.3	100.0		1
ORGANIC MATTER		%	27.1	92.4		
ASH		%	2.2	7.6	33	5
CRUDE FIBER		%	6.3	21.5		3
SHEEP	DIG COEF	%	59.	59.		1
ETHER EXTRACT		%	0.9	3.1		2
SHEEP	DIG COEF	%	38.	38.		1
NITROGEN FREE EXTRACT		%	16.4	56.0		2
SHEEP	DIG COEF	%	76.	76.		1
PROTEIN		%	3.5	11.8	41	6
SHEEP	DIG COEF	%	71.	71.		1
CATTLE	DIG PROT	% *	2.3	7.9		
GOATS	DIG PROT	% *	2.2	7.6		
HORSES	DIG PROT	% *	2.2	7.6		
RABBITS	DIG PROT	% *	2.3	7.8		
SHEEP	DIG PROT	%	2.5	8.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.03	3.51		
SHEEP	DE	MCAL/KG *	0.86	2.92		
CATTLE	ME	MCAL/KG *	0.84	2.87		
SHEEP	ME	MCAL/KG *	0.70	2.40		
CATTLE	NE-M	MCAL/KG *	0.54	1.84		
CATTLE	NE-GAIN	MCAL/KG *	0.36	1.23		
CATTLE	NE-LACTATION	MCAL/KG *	0.59	2.02		
CATTLE	TDN	% *	23.3	79.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		TDN %	19.4	66.3		
CALCIUM		%	0.11	0.36	32	4
COPPER		MG/KG	0.7	2.2		3
MANGANESE		MG/KG	9.2	31.5		3
MOLYBDENUM		MG/KG	0.32	1.09		3
PHOSPHORUS		%	0.07	0.24	43	4
ZINC		MG/KG	6.3	21.4		3

HORDEUM VULGARE, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-00-499

DRY MATTER		%	17.5	100.0	22	26
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.	10	27
PROTEIN		%	3.6	20.8	21	27
CATTLE	DIG PROT	% *	2.7	15.6		
GOATS	DIG PROT	% *	2.8	16.0		
HORSES	DIG PROT	% *	2.7	15.2		
RABBITS	DIG PROT	% *	2.6	14.7		
SHEEP	DIG PROT	% *	2.9	16.4		
FIBER, ACID DETERGENT (VS)		%	4.6	26.2	13	27

HORDEUM VULGARE, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-042

DRY MATTER		%	15.7	100.0	39	15
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.	10	5
PROTEIN		%	4.3	27.4	14	15
CATTLE	DIG PROT	% *	3.3	21.2		
GOATS	DIG PROT	% *	3.5	22.2		
HORSES	DIG PROT	% *	3.3	20.8		
RABBITS	DIG PROT	% *	3.1	19.9		
SHEEP	DIG PROT	% *	3.6	22.6		

HORDEUM VULGARE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-041

DRY MATTER		%	11.5	100.0	8	14
DM IN VITRO (TILLY)	DIG COEF	%	67.	67.	5	14
ORGANIC MATTER		%	10.0	87.1		
ASH		%	1.5	12.9		1
CRUDE FIBER		%	1.9	16.4		1
ETHER EXTRACT		%	0.4	3.7		1
NITROGEN FREE EXTRACT		%	5.1	44.1		1
PROTEIN		%	2.6	22.9	13	15
CATTLE	DIG PROT	% *	2.0	17.4		
GOATS	DIG PROT	% *	2.1	17.9		
HORSES	DIG PROT	% *	2.0	17.0		
RABBITS	DIG PROT	% *	1.9	16.4		
SHEEP	DIG PROT	% *	2.1	18.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.35	3.05		
SHEEP	DE	MCAL/KG *	0.35	3.02		
CATTLE	ME	MCAL/KG *	0.29	2.50		
SHEEP	ME	MCAL/KG *	0.28	2.47		
CATTLE	NE-M	MCAL/KG *	0.18	1.52		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.95		
CATTLE	NE-LACTATION	MCAL/KG *	0.19	1.67		
CATTLE		TDN % *	8.0	69.2		
SHEEP		TDN % *	7.9	68.4		

HORDEUM VULGARE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-13-040

DRY MATTER		%	20.0	100.0	26	35
DM IN VITRO (TILLY)	DIG COEF	%	59.	59.	9	11
PROTEIN		%	3.6	17.9	40	35
CATTLE	DIG PROT	% *	2.6	13.1		
GOATS	DIG PROT	% *	2.6	13.2		
HORSES	DIG PROT	% *	2.5	12.7		
RABBITS	DIG PROT	% *	2.5	12.5		
SHEEP	DIG PROT	% *	2.7	13.7		

HORDEUM VULGARE, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-00-500

DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.6		
ASH		%		5.5		2
PROTEIN		%		7.2		2
CATTLE	DIG PROT	% *		4.0		
GOATS	DIG PROT	% *		3.8		
HORSES	DIG PROT	% *		3.6		
RABBITS	DIG PROT	% *		4.2		
SHEEP	DIG PROT	% *		3.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALCIUM		%		0.20		2
COPPER		MG/KG		2.0		2
MANGANESE		MG/KG		17.9		2
MOLYBDENUM		MG/KG		1.54		2
PHOSPHORUS		%		0.10		2
ZINC		MG/KG		7.3		2

HORDEUM VULGARE, AERIAL PART, FRESH, EARLY BLOOM, CUT 3, (2)

REF NO 2-13-039

DRY MATTER		%	23.3	100.0	8	19
DM IN VITRO (TILLY)	DIG COEF	%	60.	60.	3	5
PROTEIN		%	2.3	9.8	25	19
CATTLE	DIG PROT	% *	1.4	6.2		
GOATS	DIG PROT	% *	1.3	5.7		
HORSES	DIG PROT	% *	1.4	5.8		
RABBITS	DIG PROT	% *	1.4	6.2		
SHEEP	DIG PROT	% *	1.4	6.1		

HORDEUM VULGARE, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-13-059

DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.1	
ASH		%		6.9	3
CRUDE FIBER		%		15.2	3
ETHER EXTRACT		%		2.2	3
NITROGEN FREE EXTRACT		%		66.8	3
PROTEIN		%		8.8	3
CATTLE	DIG PROT	% *		5.4	
GOATS	DIG PROT	% *		4.8	
HORSES	DIG PROT	% *		5.0	
RABBITS	DIG PROT	% *		5.5	
SHEEP	DIG PROT	% *		5.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		3.94	
SHEEP	DE	MCAL/KG *		3.29	
CATTLE	ME	MCAL/KG *		3.23	
SHEEP	ME	MCAL/KG *		2.70	
CATTLE	NE-M	MCAL/KG *		2.21	
CATTLE	NE-GAIN	MCAL/KG *		1.45	
CATTLE	NE-LACTATION	MCAL/KG *		2.36	
CATTLE		TDN % *		89.4	
SHEEP		TDN % *		74.6	

HORDEUM VULGARE, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-00-503

DRY MATTER		%	29.1	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	34.	34.		1
PROTEIN		%	4.3	14.7		1
CATTLE	DIG PROT	% *	3.0	10.4		
GOATS	DIG PROT	% *	3.0	10.3		
HORSES	DIG PROT	% *	2.9	10.0		
RABBITS	DIG PROT	% *	2.9	10.0		
SHEEP	DIG PROT	% *	3.1	10.7		
FIBER, ACID DETERGENT (VS)		%	8.5	29.2		1

HORDEUM VULGARE, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-00-504

DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.7	
ASH		%		8.3	3
CRUDE FIBER		%		21.2	1
ETHER EXTRACT		%		2.2	1
NITROGEN FREE EXTRACT		%		55.0	1
PROTEIN		%		13.3	3
CATTLE	DIG PROT	% *		9.2	
GOATS	DIG PROT	% *		8.9	
HORSES	DIG PROT	% *		8.8	
RABBITS	DIG PROT	% *		8.9	
SHEEP	DIG PROT	% *		9.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		3.16	
SHEEP	DE	MCAL/KG *		2.95	
CATTLE	ME	MCAL/KG *		2.59	
SHEEP	ME	MCAL/KG *		2.42	
CATTLE	NE-M	MCAL/KG *		1.59	
CATTLE	NE-GAIN	MCAL/KG *		1.02	
CATTLE	NE-LACTATION	MCAL/KG *		1.75	
CATTLE		TDN % *		71.6	
SHEEP		TDN % *		66.9	
CALCIUM		%		0.37	2
COPPER		MG/KG		4.0	2
MANGANESE		MG/KG		59.1	2
MOLYBDENUM		MG/KG		1.05	2

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHOSPHORUS	%		0.21		2
ZINC	MG/KG		17.5		2

HORDEUM VULGARE, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)

REF NO 2-13-391

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.0		
ASH	%		10.0	20	4
CRUDE FIBER	%		30.0	20	4
ETHER EXTRACT	%		2.6	29	4
NITROGEN FREE EXTRACT	%		48.9	16	4
PROTEIN	%		8.5	38	4
CATTLE DIG PROT	% *		5.1		
GOATS DIG PROT	% *		4.5		
HORSES DIG PROT	% *		4.8		
RABBITS DIG PROT	% *		5.3		
SHEEP DIG PROT	% *		4.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.55		
SHEEP DE	MCAL/KG *		2.61		
CATTLE ME	MCAL/KG *		2.09		
SHEEP ME	MCAL/KG *		2.14		
CATTLE NE-M	MCAL/KG *		1.23		
CATTLE NE-GAIN	MCAL/KG *		0.58		
CATTLE NE-LACTATION	MCAL/KG *		1.27		
CATTLE TDN	% *		57.8		
SHEEP TDN	% *		59.1		

HORDEUM VULGARE, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-00-505

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.7	100.0		2
DM IN VITRO (TILLY) DIG COEF	%	44.	44.		1
ORGANIC MATTER	%	22.5	87.4		
ASH	%	3.2	12.6		1
CRUDE FIBER	%	9.0	34.9		1
ETHER EXTRACT	%	0.4	1.6		1
NITROGEN FREE EXTRACT	%	0.3	1.2		1
PROTEIN	%	12.8	49.7		2
CATTLE DIG PROT	% *	10.3	40.1		
GOATS DIG PROT	% *	11.0	42.9		
HORSES DIG PROT	% *	10.2	39.7		
RABBITS DIG PROT	% *	9.5	37.0		
SHEEP DIG PROT	% *	11.1	43.3		
FIBER, ACID DETERGENT (VS)	%	9.2	35.7		1
CALCIUM	%	0.11	0.41		1
PHOSPHORUS	%	0.05	0.19		1

HORDEUM VULGARE, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)

REF NO 2-13-461

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.3		
ASH	%		12.5		1
CRUDE FIBER	%		24.2		1
ETHER EXTRACT	%		3.0		1
NITROGEN FREE EXTRACT	%		46.3		1
PROTEIN	%		14.0		1
CATTLE DIG PROT	% *		9.8		
GOATS DIG PROT	% *		9.6		
HORSES DIG PROT	% *		9.4		
RABBITS DIG PROT	% *		9.5		
SHEEP DIG PROT	% *		10.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.79		
SHEEP DE	MCAL/KG *		2.74		
CATTLE ME	MCAL/KG *		2.29		
SHEEP ME	MCAL/KG *		2.24		
CATTLE NE-M	MCAL/KG *		1.37		
CATTLE NE-GAIN	MCAL/KG *		0.77		
CATTLE NE-LACTATION	MCAL/KG *		1.47		
CATTLE TDN	% *		63.4		
SHEEP TDN	% *		62.1		

HORDEUM VULGARE, FLOUR BY-PRODUCT MILL RUN, (4)
BARLEY MIXED FEED (CFA)
BARLEY MILL BY-PRODUCT (AAFCO)

REF NO 4-00-523

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.7	100.0		1
ORGANIC MATTER	%	81.2	92.6		
ASH	%	6.5	7.4	47	5
CRUDE FIBER	%	15.6	17.8	33	5
ETHER EXTRACT	%	2.7	3.1	52	5
NITROGEN FREE EXTRACT	%	52.2	59.6	13	5
PROTEIN	%	10.6	12.1	26	5
CATTLE DIG PROT	% *	6.3	7.2		
GOATS DIG PROT	% *	7.3	8.4		
HORSES DIG PROT	% *	7.3	8.4		
SHEEP DIG PROT	% *	7.3	8.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.06	2.34		
SHEEP DE	MCAL/KG *	2.69	3.06		
SWINE DE	KCAL/KG *	2267.	2586.		
CATTLE ME	MCAL/KG *	1.69	1.92		
SHEEP ME	MCAL/KG *	2.20	2.51		
SWINE ME	KCAL/KG *	2121.	2419.		
CATTLE NE-M	MCAL/KG *	0.99	1.13		
CATTLE NE-GAIN	MCAL/KG *	0.36	0.41		
CATTLE NE-LACTATION	MCAL/KG *	0.98	1.12		
CATTLE TDN	% *	46.6	53.2		
SHEEP TDN	% *	61.0	69.5		
SWINE TDN	% *	51.4	58.6		

HORDEUM VULGARE, GRAIN, (4)

REF NO 4-00-549

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.7	100.0	2	22
ORGANIC MATTER	%	87.4	97.5	37	1
ASH	%	2.7	3.0	37	43
CRUDE FIBER	%	5.6	6.3	35	44
ETHER EXTRACT	%	1.8	2.0	51	43
NITROGEN FREE EXTRACT	%	69.3	77.3	4	31
PROTEIN	%	10.2	11.3	17	80
CATTLE DIG PROT	% *	5.8	6.4		
GOATS DIG PROT	% *	6.8	7.6		
HORSES DIG PROT	% *	6.8	7.6		
SHEEP DIG PROT	% *	6.8	7.6		
ENERGY GE	KCAL/KG	3921.	4372.	5	5
CATTLE DE	MCAL/KG *	2.97	3.31		
SHEEP DE	MCAL/KG *	3.30	3.68		
SWINE DE	KCAL/KG *	3305.	3686.		
CATTLE ME	MCAL/KG *	2.43	2.71		
SHEEP ME	MCAL/KG *	2.70	3.02		
SWINE ME	KCAL/KG *	3098.	3454.		
CATTLE NE-M	MCAL/KG *	1.52	1.69		
CATTLE NE-GAIN	MCAL/KG *	1.00	1.11		
CATTLE NE-LACTATION	MCAL/KG *	1.67	1.87		
CATTLE TDN	% *	67.3	75.0		
SHEEP TDN	% *	74.8	83.4		
SWINE TDN	% *	75.0	83.6		
CALCIUM	%	0.06	0.09	65	17
IRON	%	0.006	0.006	26	12
PHOSPHORUS	%	0.35	0.39	66	16
ASCORBIC ACID	MG/KG	3.0	3.4	20	11
NIACIN	MG/KG	71.3	79.5	28	11
RIBOFLAVIN	MG/KG	1.6	1.7	10	11
THIAMINE	MG/KG	2.6	2.9	37	11

HORDEUM VULGARE, GRAIN, GRND, (4)

REF NO 4-00-526

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.9	100.0	2	43
ORGANIC MATTER	%	(84.0)	(96.6)		
ASH	%	(2.9)	(3.4)	67	9
CRUDE FIBER	%	(7.4)	(8.5)	30	9
ETHER EXTRACT	%	(2.1)	(2.5)	44	9
NITROGEN FREE EXTRACT	%	(64.3)	(74.0)	8	8
PROTEIN	%	(10.2)	(11.7)	14	47
CATTLE DIG PROT	% *	(5.9)	(6.8)		
GOATS DIG PROT	% *	(6.9)	(8.0)		
HORSES DIG PROT	% *	(6.9)	(8.0)		
SHEEP DIG PROT	% *	(6.9)	(8.0)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(2.76)	(3.20)		
SHEEP DE	MCAL/KG *	(3.11)	(3.58)		
SWINE DE	KCAL/KG *	(3104.)	(357[illegible].)		
CATTLE ME	MCAL/KG *	(2.28)	(2.63)		
SHEEP ME	MCAL/KG *	(2.55)	(2.94)		
SWINE ME	KCAL/KG *	(2906.)	(3345.)		
CATTLE NE-M	MCAL/KG *	(1.41)	(1.62)		
CATTLE NE-GAIN	MCAL/KG *	(0.91)	(1.05)		
CATTLE NE-LACTATION	MCAL/KG *	(1.55)	(1.79)		
CATTLE TDN	% *	(63.1)	(72.7)		
SHEEP TDN	% *	(70.6)	(81.3)		
SWINE TDN	% *	(70.4)	(81.0)		

HORDEUM VULGARE, GRAIN SCREENINGS, (4)

REF NO 4-00-542

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(88.9)	(100.0)		9
ORGANIC MATTER	%	(85.7)	(96.5)		
ASH	%	(3.2)	(3.5)		1
SHEEP DIG COEF	%	(13.)	(13.)		
CRUDE FIBER	%	(13.3)	(14.9)		1
ETHER EXTRACT	%	(1.8)	(2.0)		1
SHEEP DIG COEF	%	(87.)	(83.)		1
NITROGEN FREE EXTRACT	%	(58.9)	(66.3)		1
SHEEP DIG COEF	%	(93.)	(93.)		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PROTEIN		%	(11.7)	(13.2)	4	4
SHEEP	DIG COEF	%	(80.)	(80.)		1
CATTLE	DIG PROT	% *	(7.2)	(8.1)		
GOATS	DIG PROT	% *	(8.3)	(9.3)		
HORSES	DIG PROT	% *	(8.3)	(9.3)		
SHEEP	DIG PROT	%	(9.4)	(10.5)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(2.63)	(2.96)		
SHEEP	DE	MCAL/KG *	(3.41)	(3.84)		
SWINE	DE	KCAL/KG *	(2755.)	(3101.)		
CATTLE	ME	MCAL/KG *	(2.16)	(2.43)		
SHEEP	ME	MCAL/KG *	(2.79)	(3.15)		
SWINE	ME	KCAL/KG *	(2572.)	(2894.)		
CATTLE	NE-M	MCAL/KG *	(1.30)	(1.47)		
CATTLE	NE-GAIN	MCAL/KG *	(0.79)	(0.89)		
CATTLE	NE-LACTATION	MCAL/KG *	(1.42)	(1.60)		
CATTLE	TDN	% *	(59.7)	(67.2)		
SHEEP	TDN	%	(77.3)	(87.0)		1
SWINE	TDN	% *	62.5	70.3		
CALCIUM		%	0.41	0.46		1
PHOSPHORUS		%	0.29	0.32		1

HORDEUM VULGARE, GRAIN, TOASTED, (4)

REF NO 4-13-194

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	94.9	100.0		1
ORGANIC MATTER		%	92.2	97.2		
ASH		%	2.7	2.8		1
CRUDE FIBER		%	6.4	6.7		1
ETHER EXTRACT		%	1.2	1.3		1
NITROGEN FREE EXTRACT		%	74.0	78.0		
PROTEIN		%	10.6	11.2		1
CATTLE	DIG PROT	% *	6.0	6.3		
GOATS	DIG PROT	% *	7.1	7.5		
HORSES	DIG PROT	% *	7.1	7.5		
SHEEP	DIG PROT	% *	7.1	7.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.16	3.33		
SHEEP	DE	MCAL/KG *	3.51	3.70		
SWINE	DE	KCAL/KG *	3515.	3704.		
CATTLE	ME	MCAL/KG *	2.59	2.73		
SHEEP	ME	MCAL/KG *	2.88	3.03		
SWINE	ME	KCAL/KG *	3295.	3472.		
CATTLE	NE-M	MCAL/KG *	1.62	1.71		
CATTLE	NE-GAIN	MCAL/KG *	1.07	1.12		
CATTLE	NE-LACTATION	MCAL/KG *	1.79	1.88		
CATTLE	TDN	% *	71.6	75.4		
SHEEP	TDN	% *	79.6	83.9		
SWINE	TDN	% *	79.7	84.0		
CALCIUM		%	0.07	0.07		1
IRON		%	0.005	0.005		1
PHOSPHORUS		%	0.37	0.39		1
ASCORBIC ACID		MG/KG	2.2	2.3		1
NIACIN		MG/KG	33.7	35.5		1
RIBOFLAVIN		MG/KG	2.2	2.3		1
THIAMINE		MG/KG	0.4	0.4		1

HORDEUM VULGARE, GRAIN W HULLS, (4)

REF NO 4-13-700

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.9	100.0	1	6
ORGANIC MATTER		%	85.8	96.6		
ASH		%	3.1	3.5	14	6
CRUDE FIBER		%	9.8	11.1	18	6
ETHER EXTRACT		%	1.3	1.5	56	6
NITROGEN FREE EXTRACT		%	64.0	72.0	4	6
PROTEIN		%	10.6	12.0	14	6
CATTLE	DIG PROT	% *	6.2	7.0		
GOATS	DIG PROT	% *	7.3	8.2		
HORSES	DIG PROT	% *	7.3	8.2		
SHEEP	DIG PROT	% *	7.3	8.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.75	3.09		
SHEEP	DE	MCAL/KG *	3.15	3.54		
SWINE	DE	KCAL/KG *	3054.	3437.		
CATTLE	ME	MCAL/KG *	2.25	2.53		
SHEEP	ME	MCAL/KG *	2.58	2.91		
SWINE	ME	KCAL/KG *	2858.	3216.		
CATTLE	NE-M	MCAL/KG *	1.38	1.55		
CATTLE	NE-GAIN	MCAL/KG *	0.87	0.98		
CATTLE	NE-LACTATION	MCAL/KG *	1.51	1.70		
CATTLE	TDN	% *	62.3	70.1		
SHEEP	TDN	% *	71.4	80.4		
SWINE	TDN	% *	69.3	78.0		
ARGININE		%	0.52	0.58		1
HISTIDINE		%	0.32	0.36		1
ISOLEUCINE		%	0.39	0.44		1
LEUCINE		%	0.71	0.80		1
LYSINE		%	0.40	0.45		1
METHIONINE		%	0.07	0.08		1
PHENYLALANINE		%	0.53	0.60		1
THREONINE		%	0.35	0.39		1
TRYPTOPHAN		%	0.11	0.12		1
TYROSINE		%	0.33	0.37		1
VALINE		%	0.49	0.55		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORDEUM VULGARE, MALT, (4)						
REF NO 4-08-345						
DRY MATTER		%	88.9	100.0		1
ORGANIC MATTER		%	85.9	96.6		
ASH		%	3.0	3.4		1
CRUDE FIBER		%	9.0	10.1		1
ETHER EXTRACT		%	9.9	11.1		1
NITROGEN FREE EXTRACT		%	56.6	63.9		
PROTEIN		%	8.4	9.4		1
CATTLE	DIG PROT	% *	4.2	4.7		
GOATS	DIG PROT	% *	5.2	5.9		
HORSES	DIG PROT	% *	5.2	5.9		
SHEEP	DIG PROT	% *	5.2	5.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.53	3.97		
SHEEP	DE	MCAL/KG *	3.07	3.46		
SWINE	DE	KCAL/KG *	3191.	3589.		
CATTLE	ME	MCAL/KG *	2.90	3.26		
SHEEP	ME	MCAL/KG *	2.52	2.84		
SWINE	ME	KCAL/KG *	3002.	3377.		
CATTLE	NE-M	MCAL/KG *	1.99	2.24		
CATTLE	NE-GAIN	MCAL/KG *	1.30	1.46		
CATTLE	NE-LACTATION	MCAL/KG *	2.12	2.39		
CATTLE	TDN	% *	80.1	90.1		
SHEEP	TDN	% *	69.7	78.4		
SWINE	TDN	% *	72.4	81.4		
CALCIUM		%	0.12	0.13		1
PHOSPHORUS		%	0.23	0.26		1

HORDEUM VULGARE, MALT, DEHY, (4)

REF NO 4-00-578

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.8	100.0		1
ORGANIC MATTER		%	80.3	91.5		
ASH		%	7.5	8.5		1
CRUDE FIBER		%	5.2	5.9		1
ETHER EXTRACT		%	1.1	1.3		1
NITROGEN FREE EXTRACT		%	48.7	55.5		1
PROTEIN		%	25.3	28.8		1
CATTLE	DIG PROT	% *	19.7	22.5		
GOATS	DIG PROT	% *	20.7	23.6		
HORSES	DIG PROT	% *	20.7	23.6		
SHEEP	DIG PROT	% *	20.7	23.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.06	3.49		
SHEEP	ME	MCAL/KG *	2.51	2.86		
SHEEP	TDN	% *	69.5	79.2		

HORDEUM VULGARE, BREWERS GRAINS, DEHY, (5)
BARLEY BREWERS DRIED GRAINS

REF NO 5-00-516

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.1	100.0	1	4
ORGANIC MATTER		%	87.8	95.4	37	2
ASH		%	4.3	4.6	37	5
CRUDE FIBER		%	18.0	19.5	15	5
ETHER EXTRACT		%	6.5	7.1	48	5
NITROGEN FREE EXTRACT		%	40.6	44.0	18	5
PROTEIN		%	22.8	24.7	31	5
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.88	3.13		
SHEEP	DE	MCAL/KG *	3.03	3.29		
CATTLE	ME	MCAL/KG *	2.36	2.56		
SHEEP	ME	MCAL/KG *	2.49	2.70		
CATTLE	NE-M	MCAL/KG *	1.45	1.57		
CATTLE	NE-GAIN	MCAL/KG *	0.92	1.00		
CATTLE	NE-LACTATION	MCAL/KG *	1.59	1.73		
CATTLE	TDN	% *	65.3	70.9		
SHEEP	TDN	% *	68.8	74.6		
CALCIUM		%	0.19	0.21		1
PHOSPHORUS		%	0.46	0.50		1

HORDEUM VULGARE, DISTILLERS GRAINS, DEHY, (5)
BARLEY DISTILLERS DRIED GRAINS (AAFCO)

REF NO 5-00-518

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.0	100.0		2
ORGANIC MATTER		%	84.4	93.8		
ASH		%	5.6	6.2		3
CRUDE FIBER		%	9.8	10.8		3
ETHER EXTRACT		%	6.8	7.6		3
NITROGEN FREE EXTRACT		%	40.1	44.5		3
PROTEIN		%	27.7	30.8		3
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.06	3.40		
SHEEP	DE	MCAL/KG *	3.35	3.72		
CATTLE	ME	MCAL/KG *	2.51	2.79		
SHEEP	ME	MCAL/KG *	2.74	3.05		
CATTLE	NE-M	MCAL/KG *	1.58	1.76		
CATTLE	NE-GAIN	MCAL/KG *	1.05	1.17		
CATTLE	NE-LACTATION	MCAL/KG *	1.74	1.94		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *	69.3	77.0		
SHEEP	TDN % *	75.9	84.3		
CALCIUM	%	0.18	0.20		1
PHOSPHORUS	%	0.41	0.45		1
ARGININE	%	0.95	1.05		1
CYS INE	%	0.39	0.43		1
HISTIDINE	%	0.66	0.73		1
ISOLEUCINE	%	1.07	1.19		1
LEUCINE	%	2.66	2.95		1
LYSINE	%	0.88	0.98		1
METHIONINE	%	0.58	0.64		1
PHENYLALANINE	%	1.20	1.33		1
THREONINE	%	0.92	1.02		1
TRYPTOPHAN	%	0.22	0.24		1
VALINE	%	1.36	1.51		1

HORDEUM VULGARE, DISTILLERS GRAINS, WET, (5)

REF NO 5-00-519

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.3		
ASH	%		4.7		1
CRUDE FIBER	%		11.9		1
ETHER EXTRACT	%		11.9		1
NITROGEN FREE EXTRACT	%		39.1		1
PROTEIN	%		32.3		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.40		
SHEEP	DE MCAL/KG *		3.97		
CATTLE	ME MCAL/KG *		2.79		
SHEEP	ME MCAL/KG *		3.26		
CATTLE	NE-M MCAL/KG *		1.76		
CATTLE	NE-GAIN MCAL/KG *		1.17		
CATTLE	NE-LACTATION MCAL/KG *		1.94		
CATTLE	TDN % *		77.2		
SHEEP	TDN % *		90.1		
CALCIUM	%		0.30		1
PHOSPHORUS	%		0.72		1

HORDEUM VULGARE, DISTILLERS SOLUBLES, DEHY, (5)
BARLEY DISTILLERS DRIED SOLUBLES (AAFCO)

REF NO 5-00-520

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.4		
ASH	%		3.6		1
CRUDE FIBER	%		13.1		1
ETHER EXTRACT	%		8.1		1
NITROGEN FREE EXTRACT	%		43.5		1
PROTEIN	%		31.8		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.42		
SHEEP	DE MCAL/KG *		3.81		
CATTLE	ME MCAL/KG *		2.80		
SHEEP	ME MCAL/KG *		3.12		
CATTLE	NE-M MCAL/KG *		1.78		
CATTLE	NE-GAIN MCAL/KG *		1.18		
CATTLE	NE-LACTATION MCAL/KG *		1.96		
CATTLE	TDN % *		77.6		
SHEEP	TDN % *		86.4		

HORDEUM VULGARE, DISTILLERS STILLAGE, (5)

REF NO 5-09-756

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.1		
ASH	%		3.9		1
CRUDE FIBER	%		11.1		1
ETHER EXTRACT	%		10.1		1
NITROGEN FREE EXTRACT	%		43.1		1
PROTEIN	%		31.7		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.43		
SHEEP	DE MCAL/KG *		3.98		
CATTLE	ME MCAL/KG *		2.82		
SHEEP	ME MCAL/KG *		3.26		
CATTLE	NE-M MCAL/KG *		1.79		
CATTLE	NE-GAIN MCAL/KG *		1.19		
CATTLE	NE-LACTATION MCAL/KG *		1.97		
CATTLE	TDN % *		77.9		
SHEEP	TDN % *		90.3		

HORDEUM VULGARE, MALT SPROUTS W HULLS, DEHY, (5)
MALT SPROUTS (CFA)

REF NO 5-00-546

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.9	100.0		3
ORGANIC MATTER	%	86.7	95.4	22	1
ASH	%	4.9	5.4	22	6
CRUDE FIBER	%	15.8	17.4	15	6
ETHER EXTRACT	%	5.3	5.8	64	6
NITROGEN FREE EXTRACT	%	37.5	41.2	7	5
PROTEIN	%	27.4	30.1	9	6
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.82	3.11		
SHEEP	DE MCAL/KG *	3.04	3.35		
CATTLE	ME MCAL/KG *	2.31	2.55		
SHEEP	ME MCAL/KG *	2.49	2.74		
CATTLE	NE-M MCAL/KG *	1.42	1.56		
CATTLE	NE-GAIN MCAL/KG *	0.90	0.99		
CATTLE	NE-LACTATION MCAL/KG *	1.55	1.71		
CATTLE	TDN % *	64.0	70.4		
SHEEP	TDN % *	(69.0)	(75.9)		

HORDEUM VULGARE, MALT SPROUTS W HULLS, DEHY, MN 24% PROTEIN, (5)
MALT SPROUTS (AAFCO)

REF NO 5-00-545

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.3)	(100.0)		10
ORGANIC MATTER	%	86.0	93.2		
ASH	%	6.3	6.8	4	7
SHEEP	DIG COEF %	19.	19.		
CRUDE FIBER	%	16.2	17.5	31	8
SHEEP	DIG COEF %	64.	64.		1
ETHER EXTRACT	%	1.4	1.5	7	7
SHEEP	DIG COEF %	68.	68.		1
NITROGEN FREE EXTRACT	%	42.4	45.1	1	6
SHEEP	DIG COEF %	64.	64.		1
PROTEIN	%	25.8	28.0	2	7
SHEEP	DIG COEF %	91.	91.		1
SHEEP	DIG PROT %	23.5	25.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.57	2.78		
SHEEP	DE MCAL/KG *	2.79	3.02		
SWINE	DE KCAL/KG *	1544.	1672.		
CATTLE	ME MCAL/KG *	2.10	2.28		
CHICKENS	ME-N KCAL/KG	1423.	1541.		2
SHEEP	ME MCAL/KG *	2.29	2.48		
SWINE	ME KCAL/KG	1406.	1523.		1
CATTLE	NE-M MCAL/KG *	1.25	1.36		
CATTLE	NE-GAIN MCAL/KG *	0.70	0.76		
CATTLE	NE-LACTATION MCAL/KG *	(1.34)	(1.45)		
CHICKENS	PRODUCTIVE KCAL/KG	1165.	1261.		2
CATTLE	TDN % *	58.2	63.0		
SHEEP	TDN %	63.3	68.5		1
SWINE	TDN %	(35.0)	(37.9)		1
CALCIUM	%	(0.24)	(0.26)	11	5
CHLORINE	%	(0.36)	(0.39)		2
MAGNESIUM	%	(0.18)	(0.19)		3
MANGANESE	MG/KG	(31.6)	(34.2)		3
PHOSPHORUS	%	(0.76)	(0.83)	5	6
CHICKENS, CHICKS AVAILABLE	%	(0.24)	(0.26)		1
POTASSIUM	%	(0.21)	(0.23)		2
SODIUM	%	(1.35)	(1.46)		2
SULPHUR	%	(0.80)	(0.86)		2
A-TOCOPHEROL	MG/KG	(4.2)	(4.6)		1
CHOLINE	MG/KG	(1585.)	(1716.)		1
FOLIC ACID	MG/KG	(0.20)	(0.22)		1
NIACIN	MG/KG	(54.8)	(59.4)	11	5
PANTOTHENIC ACID	MG/KG	(8.6)	(9.3)		1
RIBOFLAVIN	MG/KG	(8.6)	(9.3)	46	5
THIAMINE	MG/KG	(6.4)	(6.9)		3
ARGININE	%	(1.16)	(1.26)	9	4
CYSTINE	%	(0.24)	(0.26)		3
HISTIDINE	%	(0.53)	(0.57)		1
ISOLEUCINE	%	(1.09)	(1.18)		1
LEUCINE	%	(1.64)	(1.77)		1
LYSINE	%	(1.27)	(1.37)	9	4
METHIONINE	%	(0.33)	(0.36)	12	4
PHENYLALANINE	%	(0.91)	(0.98)		1
THREONINE	%	(1.01)	(1.09)		1
TRYPTOPHAN	%	(0.41)	(0.44)	1	4
VALINE	%	1.46	1.58		1

HUMULUS LUPULUS, HOP, COMMON

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HUMULUS LUPULUS COMMON, FRUIT, DEHY GRND, (4)						
REF NO 4-13-244						
DRY MATTER		%	90.6	100.0		1
ORGANIC MATTER		%	81.3	89.7		1
ASH		%	9.3	10.3		1
CRUDE FIBER		%	16.9	18.7		1
ETHER EXTRACT		%	14.5	16.0		1
NITROGEN FREE EXTRACT		%	34.2	37.7		
PROTEIN		%	15.7	17.3		1
CATTLE	DIG PROT	% *	10.8	11.9		
GOATS	DIG PROT	% *	11.9	13.1		
HORSES	DIG PROT	% *	11.9	13.1		
SHEEP	DIG PROT	% *	11.9	13.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.19	3.52		
SHEEP	DE	MCAL/KG *	3.15	3.47		
SWINE	DE	KCAL/KG *	2665.	2941.		
CATTLE	ME	MCAL/KG *	2.62	2.89		
SHEEP	ME	MCAL/KG *	2.58	2.85		
SWINE	ME	KCAL/KG *	2465.	2721.		
CATTLE	NE-M	MCAL/KG *	1.68	1.85		
CATTLE	NE-GAIN	MCAL/KG *	1.12	1.24		
CATTLE	NE-LACTATION	MCAL/KG *	1.85	2.04		
CATTLE	TDN	% *	72.4	79.9		
SHEEP	TDN	% *	71.4	78.8		
SWINE	TDN	% *	60.4	66.7		
CALCIUM		%	1.30	1.44		1
PHOSPHORUS		%	0.43	0.47		1
HYDROLYZED POULTRY FEATHERS (AAFCO) =SEE POULTRY, FEATHERS, HYDROLYZED DEHY GRND, MIN 75% OF PROTEIN DIGESTIBLE, (5)						
HYMENACHNE AMPLEXICAULIS						
HYMENACHNE AMPLEXICAULIS AMPLEXICAULIS, AERIAL PART, FRESH, (2)						
REF NO 2-11-064						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.1		
ASH		%		8.9	18	5
CRUDE FIBER		%		29.6	11	5
ETHER EXTRACT		%		1.4	11	5
NITROGEN FREE EXTRACT		%		49.5	6	5
PROTEIN		%		10.6	11	5
CATTLE	DIG PROT	% *		6.9		
GOATS	DIG PROT	% *		6.4		
HORSES	DIG PROT	% *		6.5		
RABBITS	DIG PROT	% *		6.8		
SHEEP	DIG PROT	% *		6.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.62		
SHEEP	DE	MCAL/KG *		2.63		
CATTLE	ME	MCAL/KG *		2.15		
SHEEP	ME	MCAL/KG *		2.16		
CATTLE	NE-M	MCAL/KG *		1.27		
CATTLE	NE-GAIN	MCAL/KG *		0.64		
CATTLE	NE-LACTATION	MCAL/KG *		1.33		
CATTLE	TDN	% *		59.4		
SHEEP	TDN	% *		59.7		
HYMENACHNE AMPLEXICAULIS AMPLEXICAULIS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-547						
DRY MATTER		%	18.0	100.0		1
ORGANIC MATTER		%	16.0	88.8		1
ASH		%	2.0	11.2		1
CRUDE FIBER		%	5.4	30.2		1
ETHER EXTRACT		%	0.4	2.2		1
NITROGEN FREE EXTRACT		%	7.4	41.3		1
PROTEIN		%	2.7	15.1		1
CATTLE	DIG PROT	% *	1.9	10.7		
GOATS	DIG PROT	% *	1.9	10.6		
HORSES	DIG PROT	% *	1.9	10.3		
RABBITS	DIG PROT	% *	1.9	10.3		
SHEEP	DIG PROT	% *	2.0	11.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.59		
SHEEP	DE	MCAL/KG *	0.47	2.63		
CATTLE	ME	MCAL/KG *	0.38	2.13		
SHEEP	ME	MCAL/KG *	0.39	2.16		
CATTLE	NE-M	MCAL/KG *	0.23	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.31		
CATTLE	TDN	% *	10.6	58.8		
SHEEP	TDN	% *	10.8	59.7		
CALCIUM		%	0.06	0.32		1
PHOSPHORUS		%	0.03	0.17		1
HYMENACHNE AMPLEXICAULIS AMPLEXICAULIS, AERIAL PART, FRESH, POST RIPE, (2)						
REF NO 2-17-548						
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	23.1	92.5		1
ASH		%	1.9	7.5		1
CRUDE FIBER		%	9.4	37.5		1
ETHER EXTRACT		%	0.3	1.3		1
NITROGEN FREE EXTRACT		%	12.1	48.2		1
PROTEIN		%	1.4	5.5		1
CATTLE	DIG PROT	% *	0.6	2.6		
GOATS	DIG PROT	% *	0.4	1.7		
HORSES	DIG PROT	% *	0.5	2.2		
RABBITS	DIG PROT	% *	0.7	2.9		
SHEEP	DIG PROT	% *	0.5	2.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.55	2.22		
SHEEP	DE	MCAL/KG *	0.60	2.41		
CATTLE	ME	MCAL/KG *	0.45	1.82		
SHEEP	ME	MCAL/KG *	0.49	1.98		
CATTLE	NE-M	MCAL/KG *	0.27	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.02		
CATTLE	TDN	% *	12.6	50.3		
SHEEP	TDN	% *	13.7	54.7		
CALCIUM		%	0.05	0.19		1
PHOSPHORUS		%	0.05	0.18		1
HYMENACHNE DONACIFOLIA						
HYMENACHNE DONACIFOLIA DONACIFOLIA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-549						
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	22.6	90.5		1
ASH		%	2.4	9.5		1
CRUDE FIBER		%	10.0	40.0		1
ETHER EXTRACT		%	0.3	1.3		1
NITROGEN FREE EXTRACT		%	8.6	34.4		1
PROTEIN		%	3.7	14.8		1
CATTLE	DIG PROT	% *	2.6	10.5		
GOATS	DIG PROT	% *	2.6	10.4		
HORSES	DIG PROT	% *	2.5	10.1		
RABBITS	DIG PROT	% *	2.5	10.1		
SHEEP	DIG PROT	% *	2.7	10.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.70	2.79		
SHEEP	DE	MCAL/KG *	0.63	2.52		
CATTLE	ME	MCAL/KG *	0.57	2.29		
SHEEP	ME	MCAL/KG *	0.52	2.06		
CATTLE	NE-M	MCAL/KG *	0.34	1.37		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.77		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.47		
CATTLE	TDN	% *	15.8	63.4		
SHEEP	TDN	% *	14.3	57.1		
CALCIUM		%	0.09	0.36		1
PHOSPHORUS		%	0.04	0.16		1
HYMENAEA COURBARIL, COURBARIL						
HYMENAEA COURBARIL, FRUIT NO PEELINGS NO SEEDS, (4)						
REF NO 4-15-424						
DRY MATTER		%	93.6	100.0		1
ORGANIC MATTER		%	90.4	96.6		
ASH		%	3.2	3.4		1
CRUDE FIBER		%	14.5	15.5		1
ETHER EXTRACT		%	1.3	1.4		1
NITROGEN FREE EXTRACT		%	68.4	73.1		
PROTEIN		%	6.2	6.6		1
CATTLE	DIG PROT	% *	2.0	2.1		
GOATS	DIG PROT	% *	3.1	3.3		
HORSES	DIG PROT	% *	3.1	3.3		
SHEEP	DIG PROT	% *	3.1	3.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.86	3.07		
SHEEP	DE	MCAL/KG *	3.26	3.48		
SWINE	DE	KCAL/KG *	3182.	3400.		
CATTLE	ME	MCAL/KG *	2.36	2.52		
SHEEP	ME	MCAL/KG *	2.67	2.85		
SWINE	ME	KCAL/KG *	3013.	3218.		
CATTLE	NE-M	MCAL/KG *	1.44	1.54		
CATTLE	NE-GAIN	MCAL/KG *	0.90	0.97		
CATTLE	NE-LACTATION	MCAL/KG *	1.58	1.69		
CATTLE	TDN	% *	65.3	69.7		
SHEEP	TDN	% *	73.8	78.9		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SWINE		TDN % *	72.2	77.1		
CALCIUM		%	0.21	0.22		1
IRON		%	0.005	0.005		1
PHOSPHORUS		%	0.08	0.09		1
ASCORBIC ACID		MG/KG	1.5	1.6		1
NIACIN		MG/KG	9.0	9.6		1
RIBOFLAVIN		MG/KG	1.8	1.9		1
THIAMINE		MG/KG	1.6	1.7		1
VITAMIN A EQUIV		IU/G	0.5	0.5		

HYPARRHENIA HIRTA

HYPARRHENIA HIRTA HIRTA, AERIAL PART, FRESH, (2)

REF NO 2-11-549

DRY MATTER		%	40.1	100.0	1
ORGANIC MATTER		%	31.4	78.2	1
ASH		%	8.7	21.8	1
CRUDE FIBER		%	12.5	31.2	1
ETHER EXTRACT		%	1.3	3.3	1
NITROGEN FREE EXTRACT		%	14.1	35.3	1
PROTEIN		%	3.4	8.5	1
CATTLE	DIG PROT	% *	2.0	5.1	
GOATS	DIG PROT	% *	1.8	4.5	
HORSES	DIG PROT	% *	1.9	4.7	
RABBITS	DIG PROT	% *	2.1	5.2	
SHEEP	DIG PROT	% *	2.0	4.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.72	1.80	
SHEEP	DE	MCAL/KG *	0.93	2.33	
CATTLE	ME	MCAL/KG *	0.59	1.48	
SHEEP	ME	MCAL/KG *	0.76	1.91	
CATTLE	NE-M	MCAL/KG *	0.36	0.90	
CATTLE	NE-GAIN	MCAL/KG *	-0.06	-0.14	
CATTLE	NE-LACTATION	MCAL/KG *	0.28	0.69	
CATTLE		TDN % *	16.4	40.9	
SHEEP		TDN % *	21.2	52.7	
CALCIUM		%	0.02	0.05	1
IRON		%	0.034	0.084	1
PHOSPHORUS		%	0.06	0.14	1
VITAMIN A EQUIV		IU/G	7.6	18.9	

HYPARRHENIA HIRTA HIRTA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-545

DRY MATTER		%	68.7	100.0	1
ORGANIC MATTER		%	62.2	90.6	1
ASH		%	6.5	9.4	1
CRUDE FIBER		%	37.1	54.0	1
ETHER EXTRACT		%	0.8	1.1	1
NITROGEN FREE EXTRACT		%	22.1	32.2	1
PROTEIN		%	2.3	3.3	1
CATTLE	DIG PROT	% *	0.5	0.7	
GOATS	DIG PROT	% *	-0.2	-0.4	
HORSES	DIG PROT	% *	0.2	0.3	
RABBITS	DIG PROT	% *	0.8	1.2	
SHEEP	DIG PROT	% *	0.0	0.1	
CALCIUM		%	0.08	0.12	1
PHOSPHORUS		%	0.03	0.04	1

HYPARRHENIA HIRTA HIRTA, AERIAL PART, FRESH, HIGHBLOOM, (2)

REF NO 2-17-544

DRY MATTER		%	35.0	100.0	1
ORGANIC MATTER		%	31.5	89.9	1
ASH		%	3.5	10.1	1
CRUDE FIBER		%	14.4	41.2	1
ETHER EXTRACT		%	0.5	1.5	1
NITROGEN FREE EXTRACT		%	14.7	42.1	1
PROTEIN		%	1.8	5.1	1
CATTLE	DIG PROT	% *	0.8	2.2	
GOATS	DIG PROT	% *	0.5	1.3	
HORSES	DIG PROT	% *	0.7	1.9	
RABBITS	DIG PROT	% *	0.9	2.6	
SHEEP	DIG PROT	% *	0.6	1.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.75	2.13	
SHEEP	DE	MCAL/KG *	0.81	2.32	
CATTLE	ME	MCAL/KG *	0.61	1.75	
SHEEP	ME	MCAL/KG *	0.67	1.90	
CATTLE	NE-M	MCAL/KG *	0.36	1.04	
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.21	
CATTLE	NE-LACTATION	MCAL/KG *	0.33	0.95	
CATTLE		TDN % *	16.9	48.4	
SHEEP		TDN % *	18.4	52.6	
CALCIUM		%	0.20	0.56	1
PHOSPHORUS		%	0.03	0.09	1

HYPARRHENIA HIRTA HIRTA, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-543

DRY MATTER		%	30.5	100.0	2
ORGANIC MATTER		%	28.4	93.2	2
ASH		%	2.1	6.9	2
CRUDE FIBER		%	13.1	43.0	2
ETHER EXTRACT		%	0.5	1.7	2
NITROGEN FREE EXTRACT		%	13.2	43.4	2
PROTEIN		%	1.6	5.2	2
CATTLE	DIG PROT	% *	0.7	2.3	
GOATS	DIG PROT	% *	0.4	1.4	
HORSES	DIG PROT	% *	0.6	1.9	
RABBITS	DIG PROT	% *	0.8	2.7	
SHEEP	DIG PROT	% *	0.6	1.8	
CALCIUM		%	0.11	0.37	2
PHOSPHORUS		%	0.03	0.11	2

HYPARRHENIA RUFA, JARAGUA

HYPARRHENIA RUFA, AERIAL PART, DEHY, (1)

REF NO 1-10-766

DRY MATTER		%	91.9	100.0	2
ORGANIC MATTER		%	79.7	86.8	1
ASH		%	16.3	17.7	2
CRUDE FIBER		%	30.9	33.6	2
ETHER EXTRACT		%	2.3	2.5	2
NITROGEN FREE EXTRACT		%	39.4	42.0	2
PROTEIN		%	3.1	3.4	2
CATTLE	DIG PROT	% *	-0.1	-0.1	
GOATS	DIG PROT	% *	-0.3	-0.3	
HORSES	DIG PROT	% *	0.4	0.4	
RABBITS	DIG PROT	% *	1.2	1.3	
SHEEP	DIG PROT	% *	-0.4	-0.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.75	1.91	
HORSES	DE	MCAL/KG *	1.70	1.85	
SHEEP	DE	MCAL/KG *	1.75	1.91	
CATTLE	ME	MCAL/KG *	1.44	1.57	
HORSES	ME	MCAL/KG *	1.39	1.51	
SHEEP	ME	MCAL/KG *	1.44	1.56	
CATTLE	NE-M	MCAL/KG *	0.87	0.94	
CATTLE	NE-GAIN	MCAL/KG *	-0.02	-0.02	
CATTLE	NE-LACTATION	MCAL/KG *	0.71	0.78	
CATTLE		TDN % *	39.8	43.3	
HORSES		TDN % *	42.2	45.9	
SHEEP		TDN % *	39.7	43.3	
CALCIUM		%	1.02	1.11	1
PHOSPHORUS		%	0.04	0.04	1
VITAMIN A EQUIV		IU/G	2.2	2.4	

HYPARRHENIA RUFA, AERIAL PART, DEHY GRND, (1)

REF NO 1-10-767

DRY MATTER		%	90.0	100.0	1
ORGANIC MATTER		%	78.5	87.2	1
ASH		%	11.5	12.8	1
CRUDE FIBER		%	33.2	36.9	1
ETHER EXTRACT		%	2.5	2.8	1
NITROGEN FREE EXTRACT		%	37.0	41.1	1
PROTEIN		%	5.8	6.4	1
CATTLE	DIG PROT	% *	2.3	2.5	
GOATS	DIG PROT	% *	2.3	2.6	
HORSES	DIG PROT	% *	2.7	3.0	
RABBITS	DIG PROT	% *	3.3	3.6	
SHEEP	DIG PROT	% *	2.1	2.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.86	2.06	
HORSES	DE	MCAL/KG *	1.70	1.89	
SHEEP	DE	MCAL/KG *	1.85	2.06	
CATTLE	ME	MCAL/KG *	1.52	1.69	
HORSES	ME	MCAL/KG *	1.40	1.55	
SHEEP	ME	MCAL/KG *	1.52	1.69	
CATTLE	NE-M	MCAL/KG *	0.91	1.01	
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.14	
CATTLE	NE-LACTATION	MCAL/KG *	0.81	0.90	
CATTLE		TDN % *	42.1	46.8	
HORSES		TDN % *	42.5	47.2	
SHEEP		TDN % *	42.1	46.7	
CALCIUM		%	0.45	0.50	1
PHOSPHORUS		%	0.15	0.17	1
VITAMIN A EQUIV		IU/G	142.0	157.8	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, HAY, S-C, (1)						
REF NO 1-09-455						
DRY MATTER		%	89.5	100.0	7	6
ORGANIC MATTER		%	78.6	87.9		
ASH		%	10.9	12.1	69	17
CRUDE FIBER		%	30.3	33.8	19	17
ETHER EXTRACT		%	1.9	2.1	59	17
NITROGEN FREE EXTRACT		%	42.5	47.5	16	17
PROTEIN		%	3.9	4.4	61	17
CATTLE	DIG PROT	% *	0.6	0.7		
GOATS	DIG PROT	% *	0.6	0.6		
HORSES	DIG PROT	% *	1.1	1.2		
RABBITS	DIG PROT	% *	1.8	2.0		
SHEEP	DIG PROT	% *	0.4	0.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.91	2.13		
HORSES	DE	MCAL/KG *	1.53	1.72		
SHEEP	DE	MCAL/KG *	1.88	2.10		
CATTLE	ME	MCAL/KG *	1.57	1.75		
HORSES	ME	MCAL/KG *	1.26	1.41		
SHEEP	ME	MCAL/KG *	1.54	1.72		
CATTLE	NE-M	MCAL/KG *	0.93	1.04		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.21		
CATTLE	NE-LACTATION	MCAL/KG *	0.85	0.95		
CATTLE		TDN % *	43.3	48.4		
HORSES		TDN % *	37.8	42.3		
SHEEP		TDN % *	42.6	47.6		
CALCIUM		%	0.49	0.55		2
PHOSPHORUS		%	0.13	0.14		1
HYPARRHENIA RUFA, AERIAL PART, FRESH, (2)						
REF NO 2-09-407						
DRY MATTER		%	31.9	100.0	40	98
ORGANIC MATTER		%	27.4	86.0	24	56
ASH		%	4.4	13.9	24	98
CRUDE FIBER		%	10.6	33.3	14	98
ETHER EXTRACT		%	0.7	2.2	98	96
NITROGEN FREE EXTRACT		%	14.2	44.5	7	98
PROTEIN		%	1.9	6.1	40	98
CATTLE	DIG PROT	% *	1.0	3.0		
GOATS	DIG PROT	% *	0.7	2.2		
HORSES	DIG PROT	% *	0.9	2.7		
RABBITS	DIG PROT	% *	1.1	3.3		
SHEEP	DIG PROT	% *	0.8	2.6		
CELL CONTENTS (VAN SOEST)		%	11.7	36.7	7	11
CELL WALLS (VAN SOEST)		%	20.5	64.2	4	11
CELLULOSE (VAN SOEST)		%	10.4	32.6	6	13
FIBER, ACID DETERGENT (VS)		%	14.8	46.4	3	13
LIGNIN (VAN SOEST)		%	1.8	5.8	26	3
LIGNIN KMNO4 (VS)		%	1.7	5.5	20	13
ENERGY	GE	KCAL/KG	1247.	3915.		5
CATTLE	DE	MCAL/KG *	0.70	2.20		
SHEEP	DE	MCAL/KG *	0.77	2.41		
CATTLE	ME	MCAL/KG *	0.57	1.80		
SHEEP	ME	MCAL/KG *	0.63	1.97		
CATTLE	NE-M	MCAL/KG *	0.34	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.27		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.00		
CATTLE		TDN % *	15.9	49.9		
SHEEP		TDN % *	17.4	54.6		
CALCIUM		%	0.13	0.41	39	92
COBALT		MG/KG	0.067	0.211	88	16
COPPER		MG/KG	3.9	12.4	98	16
IRON		%	0.002	0.006	83	6
MAGNESIUM		%	0.05	0.15	56	56
MANGANESE		MG/KG	63.4	199.0	38	14
MOLYBDENUM		MG/KG	0.04	0.12	84	12
PHOSPHORUS		%	0.04	0.13	42	91
POTASSIUM		%	0.29	0.91	38	36
SODIUM		%	0.23	0.73		1
SULPHUR		%	0.02	0.08		1
ZINC		MG/KG	38.2	120.0		1
VITAMIN A EQUIV		IU/G	3.7	11.5		
HYPARRHENIA RUFA, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-09-795						
DRY MATTER		%	27.3	100.0	21	24
DM IN VITRO (TILLY)	DIG COEF	%	79.	79.		1
ORGANIC MATTER		%	23.5	86.2	22	2
ASH		%	3.6	13.0	22	25
CRUDE FIBER		%	8.8	32.3	10	25
ETHER EXTRACT		%	0.5	2.0	46	24
NITROGEN FREE EXTRACT		%	11.8	43.1	12	23
PROTEIN		%	2.6	9.7	29	26
CATTLE	DIG PROT	% *	1.7	6.1		
GOATS	DIG PROT	% *	1.5	5.6		
HORSES	DIG PROT	% *	1.6	5.7		
RABBITS	DIG PROT	% *	1.7	6.1		
SHEEP	DIG PROT	% *	1.6	6.0		
CELL WALLS (VAN SOEST)		%	17.9	65.6		1
CELLULOSE (VAN SOEST)		%	7.9	28.9		1
FIBER, ACID DETERGENT (VS)		%	11.7	42.9		1
HEMICELLULOSE		%	6.2	22.7		1
LIGNIN KMNO4 (VS)		%	2.4	8.7		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.39		
SHEEP	DE	MCAL/KG *	0.68	2.48		
CATTLE	ME	MCAL/KG *	0.54	1.96		
SHEEP	ME	MCAL/KG *	0.56	2.03		
CATTLE	NE-M	MCAL/KG *	0.32	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.45		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.15		
CATTLE		TDN % *	14.8	54.3		
SHEEP		TDN % *	15.4	56.2		
ACID INSOLUBLE ASH (SILICA)		%	1.37	5.00		1
HYPARRHENIA RUFA, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-09-725						
DRY MATTER		%	26.4	100.0	26	31
DM IN VITRO (TILLY)	DIG COEF	%	81.	81.		2
ORGANIC MATTER		%	23.1	87.5	26	16
ASH		%	3.0	11.5	26	60
CRUDE FIBER		%	7.9	29.7	13	62
ETHER EXTRACT		%	0.6	2.3	33	53
NITROGEN FREE EXTRACT		%	13.1	49.4	30	51
PROTEIN		%	1.8	7.0	46	64
CATTLE	DIG PROT	% *	1.0	3.8		
GOATS	DIG PROT	% *	0.8	3.1		
HORSES	DIG PROT	% *	0.9	3.5		
RABBITS	DIG PROT	% *	1.1	4.1		
SHEEP	DIG PROT	% *	0.9	3.5		
CELL WALLS (VAN SOEST)		%	15.4	58.1		1
CELLULOSE (CRAMPTON)		%	9.0	34.2		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.46		
SHEEP	DE	MCAL/KG *	0.67	2.55		
CATTLE	ME	MCAL/KG *	0.53	2.02		
SHEEP	ME	MCAL/KG *	0.55	2.09		
CATTLE	NE-M	MCAL/KG *	0.31	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.51		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.20		
CATTLE		TDN % *	14.7	55.8		
SHEEP		TDN % *	15.3	57.8		
HYPARRHENIA RUFA, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-099						
DRY MATTER		%	28.2	100.0	45	13
DM IN VITRO (TILLY)	DIG COEF	%	79.	79.		1
ORGANIC MATTER		%	24.1	85.4	14	7
ASH		%	3.8	13.4	14	14
CRUDE FIBER		%	8.5	30.4	17	16
ETHER EXTRACT		%	0.6	2.3	39	11
NITROGEN FREE EXTRACT		%	13.3	47.3	10	10
PROTEIN		%	1.9	6.6	25	16
CATTLE	DIG PROT	% *	1.0	3.5		
GOATS	DIG PROT	% *	0.8	2.7		
HORSES	DIG PROT	% *	0.9	3.2		
RABBITS	DIG PROT	% *	1.1	3.8		
SHEEP	DIG PROT	% *	0.9	3.2		
CELL WALLS (VAN SOEST)		%	18.2	64.5		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.66	2.35		
SHEEP	DE	MCAL/KG *	0.70	2.48		
CATTLE	ME	MCAL/KG *	0.54	1.93		
SHEEP	ME	MCAL/KG *	0.57	2.04		
CATTLE	NE-M	MCAL/KG *	0.32	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.41		
CATTLE	NE-LACTATION	MCAL/KG *	0.32	1.12		
CATTLE		TDN % *	15.0	53.3		
SHEEP		TDN % *	15.9	56.3		
HYPARRHENIA RUFA, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-09-509						
DRY MATTER		%	25.8	100.0	16	6
DM IN VITRO (TILLY)	DIG COEF	%	79.	79.		1
ORGANIC MATTER		%	22.2	86.1	7	6
ASH		%	3.6	13.9	7	6
CRUDE FIBER		%	9.3	36.0	9	6
ETHER EXTRACT		%	0.7	2.8	45	6
NITROGEN FREE EXTRACT		%	10.6	40.9	8	6
PROTEIN		%	1.7	6.4	24	7
CATTLE	DIG PROT	% *	0.9	3.4		
GOATS	DIG PROT	% *	0.7	2.8		
HORSES	DIG PROT	% *	0.8	3.0		
RABBITS	DIG PROT	% *	0.9	3.6		
SHEEP	DIG PROT	% *	0.8	3.0		
CELL WALLS (VAN SOEST)		%	17.5	67.8		1

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CELLULOSE (VAN SOEST)		%	7.9	30.4		1
FIBER, ACID DETERGENT (VS)		%	11.5	44.5		1
HEMICELLULOSE		%	6.0	23.3		1
LIGNIN KMNO4 (VS)		%	2.2	8.5		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.52	2.03		
SHEEP	DE	MCAL/KG *	0.62	2.39		
CATTLE	ME	MCAL/KG *	0.43	1.67		
SHEEP	ME	MCAL/KG *	0.51	1.96		
CATTLE	NE-M	MCAL/KG *	0.26	0.99		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.11		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	0.67		
CATTLE	TDN	% *	11.9	46.1		
SHEEP	TDN	% *	14.0	54.3		
ACID INSOLUBLE ASH (SILICA)		%	1.37	5.30		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-11-551

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	52.8	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%	76.	76.		2
CRUDE FIBER		%	19.0	36.0		1
PROTEIN		%	2.5	4.8		2
CATTLE	DIG PROT	% *	1.0	2.0		
GOATS	DIG PROT	% *	0.5	1.0		
HORSES	DIG PROT	% *	0.8	1.6		
RABBITS	DIG PROT	% *	1.3	2.4		
SHEEP	DIG PROT	% *	0.8	1.5		
CELL WALLS (VAN SOEST)		%	35.5	67.2		1
CELLULOSE (CRAMPTON)		%	18.0	34.0		1
CELLULOSE (VAN SOEST)		%	17.2	32.6		1
FIBER, ACID DETERGENT (VS)		%	25.7	48.7		1
HEMICELLULOSE		%	9.8	18.5		1
LIGNIN KMNO4 (VS)		%	5.8	10.9		1
ACID INSOLUBLE ASH (SILICA)		%	2.60	4.30		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-649

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		79.		1
PROTEIN		%		5.5		1
CATTLE	DIG PROT	% *		2.6		
GOATS	DIG PROT	% *		1.7		
HORSES	DIG PROT	% *		2.2		
RABBITS	DIG PROT	% *		2.9		
SHEEP	DIG PROT	% *		2.1		
CELL WALLS (VAN SOEST)		%		63.4		1
CELLULOSE (VAN SOEST)		%		29.3		1
FIBER, ACID DETERGENT (VS)		%		43.1		1
HEMICELLULOSE		%		20.3		1
LIGNIN KMNO4 (VS)		%		7.8		1
ACID INSOLUBLE ASH (SILICA)		%		5.90		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-11-550

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	37.0	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	73.	73.		2
PROTEIN		%	1.9	5.2		1
CATTLE	DIG PROT	% *	0.9	2.3		
GOATS	DIG PROT	% *	0.5	1.4		
HORSES	DIG PROT	% *	0.7	1.9		
RABBITS	DIG PROT	% *	1.0	2.7		
SHEEP	DIG PROT	% *	0.7	1.8		
CELL WALLS (VAN SOEST)		%	25.0	67.5		1
CELLULOSE (CRAMPTON)		%	14.7	39.8		1
CELLULOSE (VAN SOEST)		%	11.2	30.4		1
FIBER, ACID DETERGENT (VS)		%	16.6	44.8		1
HEMICELLULOSE		%	8.4	22.7		1
LIGNIN KMNO4 (VS)		%	2.9	7.9		1
ACID INSOLUBLE ASH (SILICA)		%	2.41	6.50		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-651

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		75.		1
PROTEIN		%		5.3		1
CATTLE	DIG PROT	% *		2.4		
GOATS	DIG PROT	% *		1.5		
HORSES	DIG PROT	% *		2.0		
RABBITS	DIG PROT	% *		2.8		
SHEEP	DIG PROT	% *		1.9		
CELL WALLS (VAN SOEST)		%		69.8		1
CELLULOSE (VAN SOEST)		%		32.5		1
FIBER, ACID DETERGENT (VS)		%		48.1		1
HEMICELLULOSE		%		21.7		1
LIGNIN KMNO4 (VS)		%		8.6		1
ACID INSOLUBLE ASH (SILICA)		%		7.30		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-10-112

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.8	100.0	13	5
OM IN VITRO (TILLY)	DIG COEF	%	37.	37.		1
ORGANIC MATTER		%	23.6	88.0	28	6
ASH		%	3.1	11.4	28	15
CRUDE FIBER		%	8.2	30.7	6	9
CATTLE	DIG COEF	%	62.	62.		1
ETHER EXTRACT		%	2.0	7.5	98	8
CATTLE	DIG COEF	%	63.	63.		1
NITROGEN FREE EXTRACT		%	11.6	43.2	38	6
CATTLE	DIG COEF	%	56.	56.		1
PROTEIN		%	1.9	7.2	22	15
CATTLE	DIG COEF	%	60.	60.		1
CATTLE	DIG PROT	%	1.2	4.3		
GOATS	DIG PROT	% *	0.9	3.3		
HORSES	DIG PROT	% *	1.0	3.6		
RABBITS	DIG PROT	% *	1.1	4.2		
SHEEP	DIG PROT	% *	1.0	3.7		
CELL CONTENTS (VAN SOEST)		%	10.0	37.4		2
CELL WALLS (VAN SOEST)		%	16.8	62.6		2
CELLULOSE (VAN SOEST)		%	9.1	34.0		2
FIBER, ACID DETERGENT (VS)		%	12.9	48.2		1
LIGNIN (VAN SOEST)		%	1.4	5.2		2
LIGNIN KMNO4 (VS)		%	1.6	6.2		2
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.69	2.56		
CATTLE	ME	MCAL/KG *	0.56	2.10		
CATTLE	NE-M	MCAL/KG *	0.33	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.29		
CATTLE	TDN	%	15.6	58.1		1
CALCIUM		%	0.14	0.52	28	15
COBALT		MG/KG	0.070	0.261	61	7
COPPER		MG/KG	1.5	5.5	28	8
MAGNESIUM		%	0.03	0.11	19	4
MANGANESE		MG/KG	52.4	195.5	85	8
MOLYBDENUM		MG/KG	0.03	0.11	80	6
PHOSPHORUS		%	0.04	0.14	33	15
POTASSIUM		%	0.31	1.15		3
ZINC		MG/KG	3.2	11.9		2

HYPARRHENIA RUFA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-216

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.8	100.0	28	6
ORGANIC MATTER		%	23.1	83.2	64	5
ASH		%	4.7	16.8	64	6
CRUDE FIBER		%	14.0	50.3	75	6
ETHER EXTRACT		%	0.8	2.8	98	6
NITROGEN FREE EXTRACT		%	4.8	17.2	67	6
PROTEIN		%	3.6	12.8	53	6
CATTLE	DIG PROT	% *	2.4	8.8		
GOATS	DIG PROT	% *	2.4	8.5		
HORSES	DIG PROT	% *	2.3	8.4		
RABBITS	DIG PROT	% *	2.4	8.6		
SHEEP	DIG PROT	% *	2.5	8.9		
ALUMINUM		MG/KG	35.56	128.00		2
BORON		MG/KG	2.639	9.500		2
CALCIUM		%	0.27	0.99	98	8
COPPER		MG/KG	7.6	27.5		2
IRON		%	0.028	0.101		3
MAGNESIUM		%	0.08	0.30		2
MANGANESE		MG/KG	41.3	148.5		2
MOLYBDENUM		MG/KG	0.67	2.40		2
PHOSPHORUS		%	0.09	0.32	99	8
POTASSIUM		%	0.38	1.38		2
SILICON		%	0.14	0.49		1
SODIUM		%	0.00	0.02		2
ZINC		MG/KG	15.1	54.5		2

HYPARRHENIA RUFA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-10-215

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	30.5	100.0		1
ORGANIC MATTER		%	28.7	87.5		1
ASH		%	3.2	10.6		2
CRUDE FIBER		%	6.6	21.5		2
ETHER EXTRACT		%	0.4	1.5		2
NITROGEN FREE EXTRACT		%	14.1	46.3		2
PROTEIN		%	6.1	20.1		2
CATTLE	DIG PROT	% *	4.6	15.0		
GOATS	DIG PROT	% *	4.7	15.3		
HORSES	DIG PROT	% *	4.4	14.6		
RABBITS	DIG PROT	% *	4.3	14.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *	4.8	15.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.86	2.81		
SHEEP	DE MCAL/KG *	0.87	2.85		
CATTLE	ME MCAL/KG *	0.70	2.30		
SHEEP	ME MCAL/KG *	0.71	2.34		
CATTLE	NE-M MCAL/KG *	0.42	1.38		
CATTLE	NE-GAIN MCAL/KG *	0.24	0.78		
CATTLE	NE-LACTATION MCAL/KG *	0.45	1.48		
CATTLE	TDN % *	19.4	63.7		
SHEEP	TDN % *	19.7	64.6		
CALCIUM	%	0.19	0.61		1
PHOSPHORUS	%	0.08	0.25		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-09-921

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		82.1		
ASH	%		17.9		1
CRUDE FIBER	%		36.7		1
ETHER EXTRACT	%		1.8		1
NITROGEN FREE EXTRACT	%		39.5		1
PROTEIN	%		4.0		1
CATTLE	DIG PROT % *		1.3		
GOATS	DIG PROT % *		0.3		
HORSES	DIG PROT % *		0.9		
RABBITS	DIG PROT % *		1.8		
SHEEP	DIG PROT % *		0.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.13		
SHEEP	DE MCAL/KG *		2.22		
CATTLE	ME MCAL/KG *		1.74		
SHEEP	ME MCAL/KG *		1.82		
CATTLE	NE-M MCAL/KG *		1.03		
CATTLE	NE-GAIN MCAL/KG *		0.20		
CATTLE	NE-LACTATION MCAL/KG *		0.95		
CATTLE	TDN % *		48.2		
SHEEP	TDN % *		50.4		

HYPARRHENIA RUFA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-217

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	32.2	100.0	38	8
ORGANIC MATTER	%	29.5	91.5	21	4
ASH	%	3.2	9.8	21	15
CRUDE FIBER	%	11.3	34.9	13	15
CATTLE	DIG COEF %	55.	55.		1
ETHER EXTRACT	%	0.6	1.8	50	9
CATTLE	DIG COEF %	44.	44.		1
NITROGEN FREE EXTRACT	%	15.1	46.8	8	9
CATTLE	DIG COEF %	53.	53.		1
PROTEIN	%	2.1	6.7	25	16
CATTLE	DIG COEF %	25.	25.		1
CATTLE	DIG PROT %	0.5	1.7		
GOATS	DIG PROT % *	0.9	2.8		
HORSES	DIG PROT % *	1.0	3.2		
RABBITS	DIG PROT % *	1.2	3.8		
SHEEP	DIG PROT % *	1.0	3.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.67	2.09		
SHEEP	DE MCAL/KG *	0.79	2.46		
CATTLE	ME MCAL/KG *	0.55	1.72		
SHEEP	ME MCAL/KG *	0.65	2.02		
CATTLE	NE-M MCAL/KG *	0.33	1.02		
CATTLE	NE-GAIN MCAL/KG *	0.05	0.17		
CATTLE	NE-LACTATION MCAL/KG *	0.30	0.92		
CATTLE	TDN %	15.3	47.5		1
SHEEP	TDN % *	18.0	55.8		
CALCIUM	%	0.13	0.40	40	15
COBALT	MG/KG	0.046	0.143	60	6
COPPER	MG/KG	1.5	4.5	16	6
MANGANESE	MG/KG	64.5	200.2	41	6
MOLYBDENUM	MG/KG	0.09	0.27	53	6
PHOSPHORUS	%	0.05	0.16	55	12

HYPARRHENIA RUFA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-11-994

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.6	100.0		1
ORGANIC MATTER	%	28.1	94.9		
ASH	%	1.5	5.1		1
CRUDE FIBER	%	10.6	35.7		1
ETHER EXTRACT	%	0.6	2.1		1
NITROGEN FREE EXTRACT	%	15.4	52.1		1
PROTEIN	%	1.5	5.0		1
CATTLE	DIG PROT % *	0.6	2.1		
GOATS	DIG PROT % *	0.4	1.2		
HORSES	DIG PROT % *	0.5	1.8		
RABBITS	DIG PROT % *	0.7	2.5		
SHEEP	DIG PROT % *	0.5	1.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.65	2.19		
SHEEP	DE MCAL/KG *	0.75	2.53		
CATTLE	ME MCAL/KG *	0.53	1.80		
SHEEP	ME MCAL/KG *	0.61	2.07		
CATTLE	NE-M MCAL/KG *	0.31	1.06		
CATTLE	NE-GAIN MCAL/KG *	0.08	0.27		
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.00		
CATTLE	TDN % *	14.7	49.7		
SHEEP	TDN % *	17.0	57.3		
CALCIUM	%	0.16	0.53		1
PHOSPHORUS	%	0.02	0.08		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-17-541

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	8.0	100.0		1
ORGANIC MATTER	%	6.0	75.4		
ASH	%	2.0	24.6		1
CRUDE FIBER	%	2.3	29.3		1
ETHER EXTRACT	%	0.1	1.5		1
NITROGEN FREE EXTRACT	%	3.4	42.9		1
PROTEIN	%	0.1	1.0		1
CATTLE	DIG PROT % *	-0.1	-0.7		
GOATS	DIG PROT % *	-0.2	-1.9		
HORSES	DIG PROT % *	-0.1	-1.1		
RABBITS	DIG PROT % *	-0.0	-0.1		
SHEEP	DIG PROT % *	-0.1	-1.5		
CALCIUM	%	0.08	0.96		1
PHOSPHORUS	%	0.00	0.03		1

HYPARRHENIA RUFA, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-542

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.4	100.0		2
ORGANIC MATTER	%	26.6	90.6		1
ASH	%	4.6	15.8		2
CRUDE FIBER	%	11.0	37.6		2
ETHER EXTRACT	%	0.3	1.2		2
NITROGEN FREE EXTRACT	%	12.6	43.1		2
PROTEIN	%	0.7	2.3		2
CATTLE	DIG PROT % *	-0.0	-0.1		
GOATS	DIG PROT % *	-0.4	-1.3		
HORSES	DIG PROT % *	-0.1	-0.5		
RABBITS	DIG PROT % *	0.1	0.5		
SHEEP	DIG PROT % *	-0.2	-0.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.67	2.30		
CATTLE	ME MCAL/KG *	0.55	1.88		
CATTLE	NE-M MCAL/KG *	0.33	1.11		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.36		
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.08		
CATTLE	TDN % *	15.3	52.1		
CALCIUM	%	0.23	0.78		2
PHOSPHORUS	%	0.02	0.07		2

HYPARRHENIA RUFA, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-13-658

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.5	100.0		1
CRUDE FIBER	%	11.9	33.5		1
CATTLE	DIG COEF %	47.	47.		1
ETHER EXTRACT	%	0.5	1.4		1
CATTLE	DIG COEF %	42.	42.		1
NITROGEN FREE EXTRACT	%	17.9	50.4		1
CATTLE	DIG COEF %	50.	50.		1
PROTEIN	%	1.0	2.8		1
CATTLE	DIG COEF %	17.	17.		1
CATTLE	DIG PROT %	0.2	0.5		
GOATS	DIG PROT % *	-0.3	-0.8		
HORSES	DIG PROT % *	-0.0	-0.1		
RABBITS	DIG PROT % *	0.3	0.8		
SHEEP	DIG PROT % *	-0.1	-0.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.67	1.89		
SHEEP	DE MCAL/KG *	0.84	2.37		
CATTLE	ME MCAL/KG *	0.55	1.55		
SHEEP	ME MCAL/KG *	0.69	1.94		
CATTLE	NE-M MCAL/KG *	0.33	0.94		
CATTLE	NE-GAIN MCAL/KG *	-0.02	-0.06		
CATTLE	NE-LACTATION MCAL/KG *	0.27	0.76		
CATTLE	TDN %	15.2	42.8		1
SHEEP	TDN % *	19.1	53.8		
CALCIUM	%	0.06	0.17		1
PHOSPHORUS	%	0.02	0.06		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-214						
DRY MATTER		%	48.5	100.0		2
ORGANIC MATTER		%	42.8	88.4	29	1
ASH		%	4.8	9.9	29	4
CRUDE FIBER		%	19.1	39.5		3
ETHER EXTRACT		%	1.0	2.1		3
NITROGEN FREE EXTRACT		%	19.7	40.6		3
PROTEIN		%	3.9	8.0		3
CATTLE	DIG PROT	% *	2.3	4.6		
GOATS	DIG PROT	% *	1.9	4.0		
HORSES	DIG PROT	% *	2.1	4.3		
RABBITS	DIG PROT	% *	2.3	4.8		
SHEEP	DIG PROT	% *	2.1	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.04	2.15		
SHEEP	DE	MCAL/KG *	1.18	2.44		
CATTLE	ME	MCAL/KG *	0.85	1.76		
SHEEP	ME	MCAL/KG *	0.97	2.00		
CATTLE	NE-M	MCAL/KG *	0.51	1.04		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.22		
CATTLE	NE-LACTATION	MCAL/KG *	0.47	0.96		
CATTLE	TDN	% *	23.6	48.7		
SHEEP	TDN	% *	26.8	55.3		
CALCIUM		%	0.26	0.53	58	4
COBALT		MG/KG	0.067	0.139		2
COPPER		MG/KG	2.8	5.8		2
MANGANESE		MG/KG	56.1	115.9		2
MOLYBDENUM		MG/KG	0.07	0.15		2
PHOSPHORUS		%	0.07	0.15	75	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH, POST RIPE, (2)						
REF NO 2-10-124						
DRY MATTER		%	51.7	100.0	14	6
ORGANIC MATTER		%	44.8	86.5	8	6
ASH		%	6.8	13.2	8	6
CRUDE FIBER		%	19.7	38.2	4	6
ETHER EXTRACT		%	0.6	1.2	18	6
NITROGEN FREE EXTRACT		%	23.1	44.6	1	6
PROTEIN		%	1.5	3.0	11	6
CATTLE	DIG PROT	% *	0.2	0.4		
GOATS	DIG PROT	% *	-0.4	-0.7		
HORSES	DIG PROT	% *				
RABBITS	DIG PROT	% *	0.5	0.9		
SHEEP	DIG PROT	% *	-0.1	-0.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.17	2.26		
SHEEP	DE	MCAL/KG *	1.16	2.23		
CATTLE	ME	MCAL/KG *	0.96	1.85		
SHEEP	ME	MCAL/KG *	0.95	1.83		
CATTLE	NE-M	MCAL/KG *	0.57	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.33		
CATTLE	NE-LACTATION	MCAL/KG *	0.54	1.05		
CATTLE	TDN	% *	26.5	51.3		
SHEEP	TDN	% *	26.2	50.6		
CALCIUM		%	0.18	0.35	13	6
MAGNESIUM		%	0.07	0.13	29	6
PHOSPHORUS		%	0.03	0.05	35	6
POTASSIUM		%	0.24	0.46	31	6

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH, CUT 4, (2)						
REF NO 2-17-609						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.7		1
ASH		%		13.3		1
CRUDE FIBER		%		44.9		1
ETHER EXTRACT		%		1.9		1
NITROGEN FREE EXTRACT		%		36.8		1
PROTEIN		%		3.1		1
CATTLE	DIG PROT	% *		0.5		
GOATS	DIG PROT	% *		-0.5		
HORSES	DIG PROT	% *		0.2		
RABBITS	DIG PROT	% *		1.1		
SHEEP	DIG PROT	% *		-0.1		
CALCIUM		%		0.20		1
IRON		%		0.004		1
PHOSPHORUS		%		0.76		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH, CUT 18, (2)						
REF NO 2-10-744						
DRY MATTER		%	19.0	100.0		1
ORGANIC MATTER		%	15.9	83.9		
ASH		%	3.1	16.1		1
CRUDE FIBER		%	6.1	32.1		1
ETHER EXTRACT		%	0.3	1.4		1
NITROGEN FREE EXTRACT		%	7.2	38.0		1
PROTEIN		%	2.4	12.4		1
CATTLE	DIG PROT	% *	1.6	8.4		
GOATS	DIG PROT	% *	1.5	8.1		
HORSES	DIG PROT	% *	1.5	8.1		
RABBITS	DIG PROT	% *	1.6	8.2		
SHEEP	DIG PROT	% *	1.6	8.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.59		
SHEEP	DE	MCAL/KG *	0.46	2.40		
CATTLE	ME	MCAL/KG *	0.40	2.12		
SHEEP	ME	MCAL/KG *	0.37	1.97		
CATTLE	NE-M	MCAL/KG *	0.24	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.31		
CATTLE	TDN	% *	11.2	58.8		
SHEEP	TDN	% *	10.4	54.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH FERTILIZED, (2)						
REF NO 2-13-310						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.0		
ASH		%		10.1	9	6
CRUDE FIBER		%		34.5	11	6
ETHER EXTRACT		%		1.4	64	6
NITROGEN FREE EXTRACT		%		47.0	5	6
PROTEIN		%		5.1	26	6
CATTLE	DIG PROT	% *		2.2		
GOATS	DIG PROT	% *		1.3		
HORSES	DIG PROT	% *		1.9		
RABBITS	DIG PROT	% *		2.6		
SHEEP	DIG PROT	% *		1.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.24		
SHEEP	DE	MCAL/KG *		2.38		
CATTLE	ME	MCAL/KG *		1.83		
SHEEP	ME	MCAL/KG *		1.95		
CATTLE	NE-M	MCAL/KG *		1.06		
CATTLE	NE-GAIN	MCAL/KG *		0.31		
CATTLE	NE-LACTATION	MCAL/KG *		1.03		
CATTLE	TDN	% *		50.7		
SHEEP	TDN	% *		54.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH FERTILIZED, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-13-311						
DRY MATTER		%	20.0	100.0	16	5
ORGANIC MATTER		%	17.3	86.5		
ASH		%	2.7	13.5	13	10
CRUDE FIBER		%	6.3	31.3	4	10
ETHER EXTRACT		%	0.6	2.9	40	10
NITROGEN FREE EXTRACT		%	8.6	43.1	2	10
PROTEIN		%	1.8	9.2	21	10
CATTLE	DIG PROT	% *	1.1	5.7		
GOATS	DIG PROT	% *	1.0	5.1		
HORSES	DIG PROT	% *	1.1	5.3		
RABBITS	DIG PROT	% *	1.1	5.6		
SHEEP	DIG PROT	% *	1.1	5.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.46	2.32		
SHEEP	DE	MCAL/KG *	0.50	2.51		
CATTLE	ME	MCAL/KG *	0.38	1.90		
SHEEP	ME	MCAL/KG *	0.41	2.06		
CATTLE	NE-M	MCAL/KG *	0.22	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.38		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	1.10		
CATTLE	TDN	% *	10.5	52.6		
SHEEP	TDN	% *	11.4	57.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HYPARRHENIA RUFA, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-13-901						
DRY MATTER		%	25.6	100.0	26	38
ORGANIC MATTER		%	22.8	89.3		
ASH		%	2.7	10.7	14	38
CRUDE FIBER		%	5.9	23.1	18	38
PROTEIN		%	1.8	7.1	19	38
CATTLE	DIG PROT	% *	1.0	3.9		
GOATS	DIG PROT	% *	0.8	3.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	0.9	3.6		
RABBITS	DIG PROT % *	1.1	4.2		
SHEEP	DIG PROT % *	0.9	3.6		

HYPARRHENIA RUFA, AERIAL PART, FRESH
FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-314

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	37.3	100.0	31	29
ORGANIC MATTER	%	33.0	88.5		
ASH	%	4.3	11.5	22	37
CRUDE FIBER	%	10.7	28.6	13	37
ETHER EXTRACT	%	1.1	2.8	42	18
NITROGEN FREE EXTRACT	%	19.1	51.1	7	18
PROTEIN	%	2.2	6.0	27	37
CATTLE DIG PROT	% *	1.1	3.0		
GOATS DIG PROT	% *	0.8	2.1		
HORSES DIG PROT	% *	1.0	2.6		
RABBITS DIG PROT	% *	1.2	3.3		
SHEEP DIG PROT	% *	1.0	2.6		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *	0.96	2.58		
SHEEP DE	KCAL/KG *	0.96	2.57		
CATTLE ME	KCAL/KG *	0.79	2.11		
SHEEP ME	KCAL/KG *	0.79	2.11		
CATTLE NE-M	KCAL/KG *	0.47	1.25		
CATTLE NE-GAIN	KCAL/KG *	0.23	0.60		
CATTLE NE-LACTATION	KCAL/KG *	0.48	1.30		
CATTLE TDN	% *	21.8	58.4		
SHEEP TDN	% *	21.8	58.3		

HYPARRHENIA RUFA, AERIAL PART, FRESH
FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-13-904

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.6	100.0	21	18
ORGANIC MATTER	%	21.0	88.8		
ASH	%	2.6	11.2	9	18
CRUDE FIBER	%	6.2	26.4	12	18
PROTEIN	%	1.1	4.6	11	18
CATTLE DIG PROT	% *	0.4	1.8		
GOATS DIG PROT	% *	0.2	0.8		
HORSES DIG PROT	% *	0.3	1.4		
RABBITS DIG PROT	% *	0.5	2.2		
SHEEP DIG PROT	% *	0.3	1.3		

HYPARRHENIA RUFA, AERIAL PART, FRESH
FERTILIZED, 113 TO 126 DAYS' GROWTH,
(2)

REF NO 2-13-315

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	46.6	100.0	12	5
ORGANIC MATTER	%	41.4	88.9		
ASH	%	5.2	11.1	20	6
CRUDE FIBER	%	18.3	39.4	3	6
ETHER EXTRACT	%	0.5	1.1	75	6
NITROGEN FREE EXTRACT	%	20.6	44.1	6	6
PROTEIN	%	2.0	4.3	23	6
CATTLE DIG PROT	% *	0.7	1.6		
GOATS DIG PROT	% *	0.3	0.6		
HORSES DIG PROT	% *	0.6	1.2		
RABBITS DIG PROT	% *	0.9	2.0		
SHEEP DIG PROT	% *	0.5	1.0		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *	1.06	2.27		
SHEEP DE	KCAL/KG *	1.06	2.28		
CATTLE ME	KCAL/KG *	0.87	1.86		
SHEEP ME	KCAL/KG *	0.87	1.87		
CATTLE NE-M	KCAL/KG *	0.51	1.10		
CATTLE NE-GAIN	KCAL/KG *	0.16	0.34		
CATTLE NE-LACTATION	KCAL/KG *	0.49	1.05		
CATTLE TDN	% *	24.0	51.4		
SHEEP TDN	% *	24.1	51.7		

HYPARRHENIA RUFA, LEAVES, FRESH, (2)

REF NO 2-13-246

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.9		
ASH	%		12.1		1
CRUDE FIBER	%		34.2		1
ETHER EXTRACT	%		1.4		1
NITROGEN FREE EXTRACT	%		47.5		1
PROTEIN	%		4.8		1
CATTLE DIG PROT	% *		2.0		
GOATS DIG PROT	% *		1.0		
HORSES DIG PROT	% *		1.6		
RABBITS DIG PROT	% *		2.4		
SHEEP DIG PROT	% *		1.5		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *		2.31		
SHEEP DE	KCAL/KG *		2.37		
CATTLE ME	KCAL/KG *		1.89		
SHEEP ME	KCAL/KG *		1.95		
CATTLE NE-M	KCAL/KG *		1.12		
CATTLE NE-GAIN	KCAL/KG *		0.37		
CATTLE NE-LACTATION	KCAL/KG *		1.09		
CATTLE TDN	% *		52.3		
SHEEP TDN	% *		53.8		

HYPARRHENIA RUFA, STEMS, FRESH, (2)

REF NO 2-13-247

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.0		
ASH	%		12.0		1
CRUDE FIBER	%		40.3		1
ETHER EXTRACT	%		1.4		1
NITROGEN FREE EXTRACT	%		43.8		1
PROTEIN	%		2.5		1
CATTLE DIG PROT	% *				
GOATS DIG PROT	% *		-1.1		
HORSES DIG PROT	% *		-0.3		
RABBITS DIG PROT	% *		0.6		
SHEEP DIG PROT	% *		-0.7		
ENERGY	GE KCAL/KG				
CATTLE DE	KCAL/KG *		2.07		
CATTLE ME	KCAL/KG *		1.70		
CATTLE NE-M	KCAL/KG *		1.01		
CATTLE NE-GAIN	KCAL/KG *		0.15		
CATTLE NE-LACTATION	KCAL/KG *		0.90		
CATTLE TDN	% *		47.0		

HYPARRHENIA RUFA, AERIAL PART, ENSILED, (3)

REF NO 3-10-740

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		84.5	6	10
ASH	%		15.4	6	10
CRUDE FIBER	%		35.5	5	10
ETHER EXTRACT	%		1.4	9	10
NITROGEN FREE EXTRACT	%		43.6	3	10
PROTEIN	%		4.1	20	10
CATTLE DIG PROT	% *		-0.1		
GOATS DIG PROT	% *		-0.1		
HORSES DIG PROT	% *		-0.1		
SHEEP DIG PROT	% *		-0.1		
CALCIUM	%		0.39	7	10
MAGNESIUM	%		0.11	18	10
PHOSPHORUS	%		0.12	18	10
POTASSIUM	%		0.37	38	10

IMPERATA CONTRACTA, SATINTAIL, CONTRACTA

IMPERATA CONTRACTA CONTRACTA, AERIAL PART,
FRESH, MIDBLOOM, (2)

REF NO 2-17-546

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	32.8	100.0		1
ORGANIC MATTER	%	30.5	92.9		1
ASH	%	2.3	7.1		1
CRUDE FIBER	%	15.7	48.0		1
ETHER EXTRACT	%	0.5	1.5		1
NITROGEN FREE EXTRACT	%	12.3	37.5		1
PROTEIN	%	1.9	5.9		1
CATTLE DIG PROT	% *	1.0	2.9		
GOATS DIG PROT	% *	0.7	2.1		
HORSES DIG PROT	% *	0.8	2.5		
RABBITS DIG PROT	% *	1.1	3.2		
SHEEP DIG PROT	% *	0.8	2.5		
CALCIUM	%	0.04	0.13		1
PHOSPHORUS	%	0.03	0.10		1

INDIGOFERA ENDOCAPHYLLA, INDIGO, ENDOCAPHYLLA

INDIGOFERA ENDOCAPHYLLA ENDOCAPHYLLA, AERIAL
PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-499

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.0	100.0		1
ORGANIC MATTER	%	20.6	89.5		1
ASH	%	2.4	10.5		1
CRUDE FIBER	%	8.1	35.4		1
ETHER EXTRACT	%	0.4	1.6		1
NITROGEN FREE EXTRACT	%	8.0	34.6		1
PROTEIN	%	4.1	17.9		1
CATTLE DIG PROT	% *	3.0	13.1		
GOATS DIG PROT	% *	3.1	13.3		
HORSES DIG PROT	% *	2.9	12.7		
RABBITS DIG PROT	% *	2.9	12.5		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SHEEP	DIG PROT	%	3.1	13.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG	0.64	2.78	
SHEEP	DE	MCAL/KG	0.60	2.59	
CATTLE	ME	MCAL/KG	0.52	2.28	
SHEEP	ME	MCAL/KG	0.49	2.13	
CATTLE	NE-M	MCAL/KG	0.31	1.36	
CATTLE	NE-GAIN	MCAL/KG	0.18	0.76	
CATTLE	NE-LACTATION	MCAL/KG	0.33	1.46	
CATTLE	TDN	%	14.5	63.1	
SHEEP	TDN	%	13.5	58.8	
CALCIUM		%	0.44	1.91	1
PHOSPHORUS		%	0.06	0.26	1

INDIGOFERA HIRSUTA, INDIGO, HAIRY

INDIGOFERA HIRSUTA HAIRY, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-09-913

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.4	
ASH		%		9.6	1
CRUDE FIBER		%		30.2	1
ETHER EXTRACT		%		2.5	1
NITROGEN FREE EXTRACT		%		38.0	1
PROTEIN		%		19.8	1
CATTLE	DIG PROT	%		14.7	
GOATS	DIG PROT	%		15.0	
HORSES	DIG PROT	%		14.3	
RABBITS	DIG PROT	%		14.0	
SHEEP	DIG PROT	%		15.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG		2.72	
SHEEP	DE	MCAL/KG		2.75	
CATTLE	ME	MCAL/KG		2.23	
SHEEP	ME	MCAL/KG		2.25	
CATTLE	NE-M	MCAL/KG		1.32	
CATTLE	NE-GAIN	MCAL/KG		0.71	
CATTLE	NE-LACTATION	MCAL/KG		1.41	
CATTLE	TDN	%		61.6	
SHEEP	TDN	%		62.3	

INDIGOFERA HIRSUTA HAIRY, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-500

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	20.1	100.0	1
ORGANIC MATTER		%	18.0	89.4	1
ASH		%	2.1	10.6	1
CRUDE FIBER		%	2.8	13.9	1
ETHER EXTRACT		%	0.3	1.4	1
NITROGEN FREE EXTRACT		%	9.0	44.9	1
PROTEIN		%	5.9	29.2	1
CATTLE	DIG PROT	%	4.6	22.7	
GOATS	DIG PROT	%	4.8	23.8	
HORSES	DIG PROT	%	4.5	22.3	
RABBITS	DIG PROT	%	4.3	21.2	
SHEEP	DIG PROT	%	4.9	24.2	
CALCIUM		%	0.46	2.30	1
PHOSPHORUS		%	0.11	0.56	1

INDIGOFERA HIRSUTA HAIRY, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-417

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	29.4	100.0	2
ORGANIC MATTER		%	27.1	92.2	2
ASH		%	2.3	7.8	2
CRUDE FIBER		%	9.1	31.0	2
ETHER EXTRACT		%	0.4	1.3	2
NITROGEN FREE EXTRACT		%	12.7	43.4	2
PROTEIN		%	4.9	16.7	2
CATTLE	DIG PROT	%	3.5	12.0	
GOATS	DIG PROT	%	3.5	12.1	
HORSES	DIG PROT	%	3.4	11.7	
RABBITS	DIG PROT	%	3.4	11.5	
SHEEP	DIG PROT	%	3.7	12.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG	0.81	2.76	
SHEEP	DE	MCAL/KG	0.79	2.68	
CATTLE	ME	MCAL/KG	0.66	2.27	
SHEEP	ME	MCAL/KG	0.64	2.20	
CATTLE	NE-M	MCAL/KG	0.40	1.35	
CATTLE	NE-GAIN	MCAL/KG	0.22	0.75	
CATTLE	NE-LACTATION	MCAL/KG	0.42	1.44	
CATTLE	TDN	%	18.4	62.7	
SHEEP	TDN	%	17.8	60.8	
CALCIUM		%	0.44	1.50	2
PHOSPHORUS		%	0.08	0.27	2

INDIGOFERA LESPEDEZIOIDES, INDIGO, LESPEDEZIOIDES

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
INDIGOFERA LESPEDEZIOIDES LESPEDEZIOIDES, AERIAL PART, FRESH, (2)					
REF NO 2-17-605					
DRY MATTER		%	32.3	100.0	1
PROTEIN		%	6.3	19.5	1
CATTLE	DIG PROT	%	4.7	14.5	
GOATS	DIG PROT	%	4.8	14.8	
HORSES	DIG PROT	%	4.5	14.1	
RABBITS	DIG PROT	%	4.4	13.7	
SHEEP	DIG PROT	%	4.9	15.2	
CALCIUM		%	0.18	0.57	1
MAGNESIUM		%	0.57	1.77	1
MANGANESE		MG/KG	338.8	1049.0	1
PHOSPHORUS		%	0.08	0.24	1
POTASSIUM		%	0.42	1.29	1
SODIUM		%	0.03	0.10	1
ZINC		MG/KG	18.1	56.0	1

INDIGOFERA LESPEDEZIOIDES LESPEDEZIOIDES, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-418

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	29.2	100.0	1
ORGANIC MATTER		%	24.1	82.6	1
ASH		%	5.1	17.4	1
CRUDE FIBER		%	11.0	37.8	1
ETHER EXTRACT		%	0.3	1.0	1
NITROGEN FREE EXTRACT		%	8.3	28.4	1
PROTEIN		%	4.5	15.4	1
CATTLE	DIG PROT	%	3.2	11.0	
GOATS	DIG PROT	%	3.2	10.9	
HORSES	DIG PROT	%	3.1	10.6	
RABBITS	DIG PROT	%	3.1	10.6	
SHEEP	DIG PROT	%	3.3	11.3	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG	0.69	2.35	
SHEEP	ME	MCAL/KG	0.56	1.93	
SHEEP	TDN	%	15.6	53.3	
CALCIUM		%	1.10	3.76	1
PHOSPHORUS		%	0.09	0.31	1

INDIGOFERA SPP, INDIGO

INDIGOFERA SPP, AERIAL PART, FRESH, (2)

REF NO 2-09-747

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.7	
ASH		%		9.3	1
CRUDE FIBER		%		20.8	1
ETHER EXTRACT		%		3.3	1
NITROGEN FREE EXTRACT		%		45.3	1
PROTEIN		%		21.3	1
CATTLE	DIG PROT	%		16.0	
GOATS	DIG PROT	%		16.5	
HORSES	DIG PROT	%		15.6	
RABBITS	DIG PROT	%		15.1	
SHEEP	DIG PROT	%		16.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG		3.17	
SHEEP	DE	MCAL/KG		2.99	
CATTLE	ME	MCAL/KG		2.60	
SHEEP	ME	MCAL/KG		2.45	
CATTLE	NE-M	MCAL/KG		1.60	
CATTLE	NE-GAIN	MCAL/KG		1.03	
CATTLE	NE-LACTATION	MCAL/KG		1.76	
CATTLE	TDN	%		72.0	
SHEEP	TDN	%		67.8	

INDIGOFERA SPP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-421

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	41.2	100.0	1
ORGANIC MATTER		%	37.7	91.6	1
ASH		%	3.5	8.4	1
CRUDE FIBER		%	11.8	28.1	1
ETHER EXTRACT		%	3.2	7.8	1
NITROGEN FREE EXTRACT		%	15.1	36.8	1
PROTEIN		%	7.9	19.1	1
CATTLE	DIG PROT	%	5.8	14.1	
GOATS	DIG PROT	%	5.9	14.4	
HORSES	DIG PROT	%	5.7	13.7	
RABBITS	DIG PROT	%	5.5	13.4	
SHEEP	DIG PROT	%	6.1	14.8	
CALCIUM		%	0.40	0.96	1
PHOSPHORUS		%	0.09	0.23	1

INDIGOFERA SUBULATA, INDIGO, SUBULATA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
INDIGOFERA SUBULATA SUBULATA, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-17-419					
DRY MATTER		%	29.2	100.0	1
ORGANIC MATTER		%	26.0	89.1	1
ASH		%	3.2	10.9	1
CRUDE FIBER		%	7.2	24.5	1
ETHER EXTRACT		%	0.5	1.6	1
NITROGEN FREE EXTRACT		%	11.1	38.1	1
PROTEIN		%	7.2	24.7	1
CATTLE	DIG PROT	% *	5.5	18.9	
GOATS	DIG PROT	% *	5.7	19.6	
HORSES	DIG PROT	% *	5.4	18.5	
RABBITS	DIG PROT	% *	5.2	17.7	
SHEEP	DIG PROT	% *	5.8	20.0	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.81	2.79	
SHEEP	ME	MCAL/KG *	0.67	2.29	
SHEEP	TDN	% *	18.5	63.3	
CALCIUM		%	0.63	2.17	1
PHOSPHORUS		%	0.09	0.32	1

INDIGOFERA SUMATRANA, INDIGO, SUMATRANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
INDIGOFERA SUMATRANA SUMATRANA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-420					
DRY MATTER		%	24.5	100.0	1
ORGANIC MATTER		%	22.1	90.1	1
ASH		%	2.4	9.9	1
CRUDE FIBER		%	6.8	27.7	1
ETHER EXTRACT		%	0.4	1.7	1
NITROGEN FREE EXTRACT		%	8.6	35.2	1
PROTEIN		%	6.2	25.5	1
CATTLE	DIG PROT	% *	4.8	19.6	
GOATS	DIG PROT	% *	5.0	20.4	
HORSES	DIG PROT	% *	4.7	19.2	
RABBITS	DIG PROT	% *	4.5	18.4	
SHEEP	DIG PROT	% *	5.1	20.8	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.68	2.77	
SHEEP	ME	MCAL/KG *	0.56	2.27	
SHEEP	TDN	% *	15.4	62.8	
CALCIUM		%	0.51	2.10	1
PHOSPHORUS		%	0.09	0.35	1

INDIGOFERA TINCTORIA, INDIGO, TRUE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
INDIGOFERA TINCTORIA TRUE, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-422					
DRY MATTER		%	38.4	100.0	1
ORGANIC MATTER		%	34.7	90.4	1
ASH		%	3.7	9.6	1
CRUDE FIBER		%	12.6	32.8	1
ETHER EXTRACT		%	1.0	2.5	1
NITROGEN FREE EXTRACT		%	15.9	41.5	1
PROTEIN		%	5.2	13.6	1
CATTLE	DIG PROT	% *	3.6	9.5	
GOATS	DIG PROT	% *	3.6	9.2	
HORSES	DIG PROT	% *	3.5	9.1	
RABBITS	DIG PROT	% *	3.5	9.2	
SHEEP	DIG PROT	% *	3.7	9.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.97	2.52	
SHEEP	DE	MCAL/KG *	1.01	2.63	
CATTLE	ME	MCAL/KG *	0.79	2.07	
SHEEP	ME	MCAL/KG *	0.83	2.16	
CATTLE	NE-M	MCAL/KG *	0.47	1.22	
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.56	
CATTLE	NE-LACTATION	MCAL/KG *	0.48	1.25	
CATTLE	TDN	% *	21.9	57.2	
SHEEP	TDN	% *	22.9	59.7	
CALCIUM		%	0.96	2.50	1
PHOSPHORUS		%	0.07	0.17	1

INGA AFFINIS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
INGA AFFINIS AFFINIS, FRUIT, FRESH, (4)					
REF NO 4-13-461					
DRY MATTER		%	17.3	100.0	1
ORGANIC MATTER		%	16.9	97.7	
ASH		%	0.4	2.3	1
CRUDE FIBER		%	0.9	5.2	1
ETHER EXTRACT		%	0.2	1.2	1
NITROGEN FREE EXTRACT		%	14.9	86.1	
PROTEIN		%	0.9	5.2	1
CATTLE	DIG PROT	% *	0.1	0.8	
GOATS	DIG PROT	% *	0.3	2.0	
HORSES	DIG PROT	% *	0.3	2.0	
SHEEP	DIG PROT	% *	0.3	2.0	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.61	3.50	
SHEEP	DE	MCAL/KG *	0.65	3.76	
SWINE	DE	KCAL/KG *	679.	3927.	
CATTLE	ME	MCAL/KG *	0.50	2.87	
SHEEP	ME	MCAL/KG *	0.53	3.09	
SWINE	ME	KCAL/KG *	645.	3729.	
CATTLE	NE-M	MCAL/KG *	0.32	1.84	
CATTLE	NE-GAIN	MCAL/KG *	0.21	1.22	
CATTLE	NE-LACTATION	MCAL/KG *	0.35	2.02	
CATTLE	TDN	% *	13.7	79.4	
SHEEP	TDN	% *	14.8	85.4	
SWINE	TDN	% *	15.4	89.1	
CALCIUM		%	0.01	0.06	1
IRON		%	0.001	0.006	1
PHOSPHORUS		%	0.01	0.06	1
ASCORBIC ACID		MG/KG	175.0	1011.6	1
NIACIN		MG/KG	8.4	48.6	1
RIBOFLAVIN		MG/KG	0.6	3.5	1
THIAMINE		MG/KG	0.5	2.9	1

INGA INGOIDES

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
INGA INGOIDES INGOIDES, SEEDS, (4)					
REF NO 4-11-726					
DRY MATTER		%	59.7	100.0	1
ORGANIC MATTER		%	58.4	97.8	1
ASH		%	1.3	2.2	1
CRUDE FIBER		%	2.5	4.2	1
ETHER EXTRACT		%	0.4	0.7	1
NITROGEN FREE EXTRACT		%	45.1	75.5	1
PROTEIN		%	10.4	17.4	1
CATTLE	DIG PROT	% *	7.2	12.0	
GOATS	DIG PROT	% *	7.9	13.2	
HORSES	DIG PROT	% *	7.9	13.2	
SHEEP	DIG PROT	% *	7.9	13.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.03	3.40	
SHEEP	DE	MCAL/KG *	2.28	3.82	
SWINE	DE	KCAL/KG *	2176.	3645.	
CATTLE	ME	MCAL/KG *	1.66	2.79	
SHEEP	ME	MCAL/KG *	1.87	3.14	
SWINE	ME	KCAL/KG *	2013.	3371.	
CATTLE	NE-M	MCAL/KG *	1.05	1.76	
CATTLE	NE-GAIN	MCAL/KG *	0.70	1.17	
CATTLE	NE-LACTATION	MCAL/KG *	1.16	1.94	
CATTLE	TDN	% *	46.0	77.1	
SHEEP	TDN	% *	51.8	86.7	
SWINE	TDN	% *	49.4	82.7	

IPOMOEA BATATAS, SWEETPOTATO

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
IPOMOEA BATATAS, AERIAL PART, FRESH, (2)					
REF NO 2-04-784					
DRY MATTER		%	15.8	100.0	13 6
ORGANIC MATTER		%	13.3	84.0	22 2
ASH		%	1.7	10.7	22 20
CRUDE FIBER		%	3.2	20.4	21 21
SHEEP	DIG COEF	%	39.	58.	1
ETHER EXTRACT		%	0.7	4.2	29 20
SHEEP	DIG COEF	%	59.	59.	1
NITROGEN FREE EXTRACT		%	7.9	50.2	8 20
SHEEP	DIG COEF	%	67.	67.	1
PROTEIN		%	2.3	14.6	20 21
SHEEP	DIG COEF	%	53.	53.	2
CATTLE	DIG PROT	% *	1.6	10.3	
GOATS	DIG PROT	% *	1.6	10.2	
HORSES	DIG PROT	% *	1.6	9.9	
RABBITS	DIG PROT	% *	1.6	10.0	
SHEEP	DIG PROT	%	1.2	7.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.57	3.59	
SHEEP	DE	MCAL/KG *	0.41	2.59	
CATTLE	ME	MCAL/KG *	0.47	2.95	
SHEEP	ME	MCAL/KG *	0.34	2.12	
CATTLE	NE-M	MCAL/KG *	0.30	1.91	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-GAIN	MCAL/KG *	0.20	1.27		
CATTLE NE-LACTATION	MCAL/KG *	0.33	2.09		
CATTLE	TDN % *	12.9	81.5		
SHEEP	TDN %	9.3	58.7		2
CALCIUM	%	0.41	2.58	6	4
PHOSPHORUS	%	0.11	0.70		3
POTASSIUM	%	0.09	0.56		1

IPOMOEA BATATAS, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)

REF NO 2-11-554

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.3	100.0		1
ORGANIC MATTER	%	13.8	80.0		1
ASH	%	3.5	20.0		1
SHEEP DIG COEF	%	25.	25.		
CRUDE FIBER	%	3.3	19.1		1
SHEEP DIG COEF	%	64.	64.		1
ETHER EXTRACT	%	0.6	3.3		1
SHEEP DIG COEF	%	75.	75.		1
NITROGEN FREE EXTRACT	%	7.9	45.9		1
SHEEP DIG COEF	%	81.	81.		1
PROTEIN	%	2.0	11.7		1
SHEEP DIG COEF	%	72.	72.		1
CATTLE DIG PROT	% *	1.4	7.8		
GOATS DIG PROT	% *	1.3	7.5		
HORSES DIG PROT	% *	1.3	7.5		
RABBITS DIG PROT	% *	1.3	7.7		
SHEEP DIG PROT	%	1.5	8.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.44	2.52		
SHEEP DE	MCAL/KG *	0.48	2.80		
CATTLE ME	MCAL/KG *	0.36	2.06		
SHEEP ME	MCAL/KG *	0.40	2.29		
CATTLE NE-M	MCAL/KG *	0.21	1.22		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.55		
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.25		
CATTLE	TDN % *	9.9	57.0		
SHEEP	TDN %	11.0	63.4		1

IPOMOEA BATATAS, AERIAL PART, FRESH, 197 TO 210 DAYS' GROWTH, (2)

REF NO 2-11-553

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.4	100.0		1
ORGANIC MATTER	%	14.0	80.2		1
ASH	%	3.4	19.8		1
SHEEP DIG COEF	%	23.	23.		
CRUDE FIBER	%	3.5	19.9		1
SHEEP DIG COEF	%	66.	66.		1
ETHER EXTRACT	%	0.6	3.2		1
SHEEP DIG COEF	%	70.	70.		1
NITROGEN FREE EXTRACT	%	7.7	44.5		1
SHEEP DIG COEF	%	82.	82.		1
PROTEIN	%	2.2	12.6		1
SHEEP DIG COEF	%	74.	74.		1
CATTLE DIG PROT	% *	1.5	8.6		
GOATS DIG PROT	% *	1.4	8.3		
HORSES DIG PROT	% *	1.4	8.2		
RABBITS DIG PROT	% *	1.5	8.4		
SHEEP DIG PROT	%	1.6	9.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.42	2.44		
SHEEP DE	MCAL/KG *	0.49	2.82		
CATTLE ME	MCAL/KG *	0.35	2.00		
SHEEP ME	MCAL/KG *	0.40	2.31		
CATTLE NE-M	MCAL/KG *	0.21	1.18		
CATTLE NE-GAIN	MCAL/KG *	0.09	0.49		
CATTLE NE-LACTATION	MCAL/KG *	0.21	1.19		
CATTLE	TDN % *	9.6	55.4		
SHEEP	TDN %	11.1	64.0		1

IPOMOEA BATATAS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-424

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	13.7	100.0		2
ORGANIC MATTER	%	12.0	87.8		2
ASH	%	1.7	12.2		2
CRUDE FIBER	%	3.2	23.2		2
ETHER EXTRACT	%	0.4	3.0		2
NITROGEN FREE EXTRACT	%	5.9	43.3		2
PROTEIN	%	2.5	18.4		2
CATTLE DIG PROT	% *	1.8	13.5		
GOATS DIG PROT	% *	1.9	13.7		
HORSES DIG PROT	% *	1.8	13.2		
RABBITS DIG PROT	% *	1.8	12.9		
SHEEP DIG PROT	% *	1.9	14.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.38	2.79		
SHEEP DE	MCAL/KG *	0.38	2.80		
CATTLE ME	MCAL/KG *	0.31	2.29		
SHEEP ME	MCAL/KG *	0.31	2.30		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-M	MCAL/KG *	0.19	1.37		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.77		
CATTLE NE-LACTATION	MCAL/KG *	0.20	1.47		
CATTLE	TDN % *	8.7	63.4		
SHEEP	TDN % *	8.7	63.6		
CALCIUM	%	0.12	0.86		2
PHOSPHORUS	%	0.05	0.40		2

IPOMOEA BATATAS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-423

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	15.0	100.0	25	5
ORGANIC MATTER	%	13.1	87.3	7	5
ASH	%	1.9	12.7	7	5
CRUDE FIBER	%	3.0	20.0	48	5
ETHER EXTRACT	%	0.3	2.3	15	4
NITROGEN FREE EXTRACT	%	7.4	49.2	7	5
PROTEIN	%	2.4	15.9	16	5
CATTLE DIG PROT	% *	1.7	11.4		
GOATS DIG PROT	% *	1.7	11.4		
HORSES DIG PROT	% *	1.6	11.0		
RABBITS DIG PROT	% *	1.6	10.9		
SHEEP DIG PROT	% *	1.8	11.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.43	2.89		
SHEEP DE	MCAL/KG *	0.43	2.84		
CATTLE ME	MCAL/KG *	0.36	2.37		
SHEEP ME	MCAL/KG *	0.35	2.33		
CATTLE NE-M	MCAL/KG *	0.21	1.42		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.84		
CATTLE NE-LACTATION	MCAL/KG *	0.23	1.54		
CATTLE	TDN % *	9.8	65.6		
SHEEP	TDN % *	9.7	64.5		
CALCIUM	%	0.22	1.44	62	5
PHOSPHORUS	%	0.05	0.32	48	5

IPOMOEA BATATAS, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-10-522

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		82.4		
ASH	%		17.6		1
CRUDE FIBER	%		23.3		1
ETHER EXTRACT	%		3.8		1
NITROGEN FREE EXTRACT	%		42.7		1
PROTEIN	%		12.6		2
CATTLE DIG PROT	% *		8.6		
GOATS DIG PROT	% *		8.3		
HORSES DIG PROT	% *		8.2		
RABBITS DIG PROT	% *		8.4		
SHEEP DIG PROT	% *		8.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.51		
SHEEP DE	MCAL/KG *		2.61		
CATTLE ME	MCAL/KG *		2.05		
SHEEP ME	MCAL/KG *		2.14		
CATTLE NE-M	MCAL/KG *		1.21		
CATTLE NE-GAIN	MCAL/KG *		0.54		
CATTLE NE-LACTATION	MCAL/KG *		1.24		
CATTLE	TDN % *		56.8		
SHEEP	TDN % *		59.1		

IPOMOEA BATATAS, AERIAL PART, FRESH, MATURE, CUT 1, (2)

REF NO 2-10-521

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.1		
ASH	%		13.9	21	6
CRUDE FIBER	%		29.9	7	6
ETHER EXTRACT	%		3.2	21	6
NITROGEN FREE EXTRACT	%		38.0	11	6
PROTEIN	%		15.0	17	6
CATTLE DIG PROT	% *		10.7		
GOATS DIG PROT	% *		10.6		
HORSES DIG PROT	% *		10.3		
RABBITS DIG PROT	% *		10.3		
SHEEP DIG PROT	% *		11.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.40		
SHEEP DE	MCAL/KG *		2.62		
CATTLE ME	MCAL/KG *		1.97		
SHEEP ME	MCAL/KG *		2.15		
CATTLE NE-M	MCAL/KG *		1.16		
CATTLE NE-GAIN	MCAL/KG *		0.45		
CATTLE NE-LACTATION	MCAL/KG *		1.16		
CATTLE	TDN % *		54.4		
SHEEP	TDN % *		59.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IPOMOEA BATATAS, STEMS, FRESH, (2)						
REF NO 2-10-514						
DRY MATTER		%	8.7	100.0		1
ORGANIC MATTER		%	7.3	84.0		
ASH		%	1.4	16.0		1
CRUDE FIBER		%	1.2	13.4		1
ETHER EXTRACT		%	0.3	3.0		1
NITROGEN FREE EXTRACT		%	4.2	48.1		1
PROTEIN		%	1.7	19.5		1
CATTLE	DIG PROT	% *	1.3	14.5		
GOATS	DIG PROT	% *	1.3	14.8		
HORSES	DIG PROT	% *	1.2	14.1		
RABBITS	DIG PROT	% *	1.2	13.7		
SHEEP	DIG PROT	% *	1.3	15.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.25	2.92		
SHEEP	DE	MCAL/KG *	0.26	2.95		
CATTLE	ME	MCAL/KG *	0.21	2.40		
SHEEP	ME	MCAL/KG *	0.21	2.42		
CATTLE	NE-M	MCAL/KG *	0.13	1.44		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.86		
CATTLE	NE-LACTATION	MCAL/KG *	0.14	1.57		
CATTLE	TDN	% *	5.8	66.3		
SHEEP	TDN	% *	5.8	66.9		
IPOMOEA BATATAS, PEELINGS, COOKED, (4)						
REF NO 4-10-512						
DRY MATTER		%	32.6	100.0		1
ORGANIC MATTER		%	31.1	95.5		
ASH		%	1.5	4.5		1
CRUDE FIBER		%	1.9	5.8		1
ETHER EXTRACT		%	0.5	1.4		1
NITROGEN FREE EXTRACT		%	27.1	83.0		1
PROTEIN		%	1.7	5.3		1
CATTLE	DIG PROT	% *	0.3	0.9		
GOATS	DIG PROT	% *	0.7	2.1		
HORSES	DIG PROT	% *	0.7	2.1		
SHEEP	DIG PROT	% *	0.7	2.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.03	3.15		
SHEEP	DE	MCAL/KG *	1.20	3.67		
SWINE	DE	KCAL/KG *	1235.	3790.		
CATTLE	ME	MCAL/KG *	0.84	2.58		
SHEEP	ME	MCAL/KG *	0.98	3.01		
SWINE	ME	KCAL/KG *	1173.	3598.		
CATTLE	NE-M	MCAL/KG *	0.52	1.59		
CATTLE	NE-GAIN	MCAL/KG *	0.33	1.02		
CATTLE	NE-LACTATION	MCAL/KG *	0.57	1.74		
CATTLE	TDN	% *	23.3	71.4		
SHEEP	TDN	% *	27.1	83.2		
SWINE	TDN	% *	28.0	86.0		
IPOMOEA BATATAS, PEELINGS, FRESH, (4)						
REF NO 4-10-515						
DRY MATTER		%	45.2	100.0		1
ORGANIC MATTER		%	42.9	94.9		
ASH		%	2.3	5.1		1
CRUDE FIBER		%	2.3	5.0		1
ETHER EXTRACT		%	0.4	0.9		1
NITROGEN FREE EXTRACT		%	37.4	82.7		1
PROTEIN		%	2.8	6.3		1
CATTLE	DIG PROT	% *	0.8	1.8		
GOATS	DIG PROT	% *	1.4	3.0		
HORSES	DIG PROT	% *	1.4	3.0		
SHEEP	DIG PROT	% *	1.4	3.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.42	3.15		
SHEEP	DE	MCAL/KG *	1.66	3.68		
SWINE	DE	KCAL/KG *	1711.	3785.		
CATTLE	ME	MCAL/KG *	1.17	2.58		
SHEEP	ME	MCAL/KG *	1.36	3.01		
SWINE	ME	KCAL/KG *	1621.	3585.		
CATTLE	NE-M	MCAL/KG *	0.72	1.59		
CATTLE	NE-GAIN	MCAL/KG *	0.46	1.01		
CATTLE	NE-LACTATION	MCAL/KG *	0.79	1.74		
CATTLE	TDN	% *	32.3	71.4		
SHEEP	TDN	% *	37.7	83.4		
SWINE	TDN	% *	38.8	85.8		
IPOMOEA BATATAS, ROOTS, COOKED, (4)						
REF NO 4-10-519						
DRY MATTER		%	44.9	100.0		1
ORGANIC MATTER		%	43.7	97.4		
ASH		%	1.2	2.6		1
CRUDE FIBER		%	1.3	2.8		1
ETHER EXTRACT		%	0.2	0.4		1
NITROGEN FREE EXTRACT		%	40.9	91.1		1
PROTEIN		%	1.4	3.1		1
CATTLE	DIG PROT	% *	-0.5	-1.1		
GOATS	DIG PROT	% *	0.0	0.1		
HORSES	DIG PROT	% *	0.0	0.1		
SHEEP	DIG PROT	% *	0.0	0.1		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.71	3.80		
SWINE	DE	KCAL/KG *	1815.	4041.		
SHEEP	ME	MCAL/KG *	1.40	3.12		
SWINE	ME	KCAL/KG *	1731.	3854.		
SHEEP	TDN	% *	38.7	86.2		
SWINE	TDN	% *	41.2	91.7		
IPOMOEA BATATAS, ROOTS, DEHY GRND, (4) SWEETPOTATO MEAL						
REF NO 4-08-536						
DRY MATTER		%	88.5	100.0	3	11
ORGANIC MATTER		%	86.1	97.3	99	2
ASH		%	3.8	4.3	99	11
CRUDE FIBER		%	3.3	3.8	23	10
ETHER EXTRACT		%	1.3	1.5	24	10
NITROGEN FREE EXTRACT		%	74.5	84.2	3	10
PROTEIN		%	5.5	6.2	42	11
CATTLE	DIG PROT	% *	1.5	1.7		
GOATS	DIG PROT	% *	2.6	2.9		
HORSES	DIG PROT	% *	2.6	2.9		
SHEEP	DIG PROT	% *	2.6	2.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.84	3.21		
SHEEP	DE	MCAL/KG *	3.29	3.72		
SWINE	DE	KCAL/KG *	3355.	3792.		
CATTLE	ME	MCAL/KG *	2.33	2.63		
SHEEP	ME	MCAL/KG *	2.70	3.05		
SWINE	ME	KCAL/KG *	3178.	3592.		
CATTLE	NE-M	MCAL/KG *	1.44	1.63		
CATTLE	NE-GAIN	MCAL/KG *	0.93	1.06		
CATTLE	NE-LACTATION	MCAL/KG *	1.59	1.79		
CATTLE	TDN	% *	64.5	72.9		
SHEEP	TDN	% *	74.7	84.4		
SWINE	TDN	% *	76.1	86.0		
CALCIUM		%	0.12	0.14		2
PHOSPHORUS		%	0.15	0.16		2
IPOMOEA BATATAS, ROOTS, FRESH, (4)						
REF NO 4-04-788						
DRY MATTER		%	32.0	100.0	21	98
ORGANIC MATTER		%	31.7	99.2	48	33
ASH		%	1.1	3.4	48	71
CRUDE FIBER		%	1.2	3.8	79	72
ETHER EXTRACT		%	0.5	1.6	57	57
NITROGEN FREE EXTRACT		%	27.9	87.3	22	54
PROTEIN		%	1.2	3.9	52	98
CATTLE	DIG PROT	% *	-0.1	-0.4		
GOATS	DIG PROT	% *	0.3	0.8		
HORSES	DIG PROT	% *	0.3	0.8		
SHEEP	DIG PROT	% *	0.3	0.8		
GLUCOSIDES		%	1.8	5.7	39	26
STARCH		%	21.1	66.0	12	98
SUGARS, REDUCING		%	1.29	4.05		3
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.20	3.75		
SWINE	DE	KCAL/KG *	1236.	3864.		
SHEEP	ME	MCAL/KG *	0.98	3.08		
SWINE	ME	KCAL/KG *	1177.	3680.		
SHEEP	TDN	% *	27.2	85.1		
SWINE	TDN	% *	28.0	87.6		
CALCIUM		%	0.09	0.28	98	33
IRON		%	0.003	0.010	88	32
PHOSPHORUS		%	0.07	0.23	75	32
NIACIN		MG/KG	7.5	23.5	33	24
VITAMIN A EQUIV		IU/G	11.3	35.2		
IPOMOEA BATATAS, ROOTS, FRESH, 197 TO 210 DAYS' GROWTH, (4)						
REF NO 4-11-555						
DRY MATTER		%	28.3	100.0		1
ORGANIC MATTER		%	27.0	95.5		1
ASH		%	1.3	4.5		1
SHEEP	DIG COEF	%	9.	9.		
CRUDE FIBER		%	1.1	4.0		1
SHEEP	DIG COEF	%	56.	56.		1
ETHER EXTRACT		%	0.4	1.3		1
SHEEP	DIG COEF	%	69.	69.		1
NITROGEN FREE EXTRACT		%	24.3	85.7		1
SHEEP	DIG COEF	%	96.	96.		1
PROTEIN		%	1.3	4.5		1
SHEEP	DIG COEF	%	30.	30.		1
CATTLE	DIG PROT	% *	0.0	0.2		
GOATS	DIG PROT	% *	0.4	1.4		
HORSES	DIG PROT	% *	0.4	1.4		
SHEEP	DIG PROT	%	0.4	1.4		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
ENERGY		GE KCAL/KG			
CATTLE		DE KCAL/KG *	0.91	3.21	
SHEEP		DE KCAL/KG *	1.10	3.87	
SWINE		DE KCAL/KG *	1085.	3833.	
CATTLE		ME KCAL/KG *	0.75	2.63	
SHEEP		ME KCAL/KG *	0.90	3.18	
SWINE		ME KCAL/KG *	1031.	3644.	
CATTLE		NE-M KCAL/KG *	0.46	1.63	
CATTLE		NE-GAIN KCAL/KG *	0.30	1.05	
CATTLE	NE-LACTATION	KCAL/KG *	0.51	1.79	
CATTLE		TDN % *	20.6	72.9	
SHEEP		TDN %	24.9	87.9	1
SWINE		TDN % *	24.6	86.9	

IPOMOEA BATATAS, ROOTS W/ PEELINGS, COOKED, (4)

REF NO 4-10-516

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	47.1	100.0	1
ORGANIC MATTER		%	46.4	98.5	
ASH		%	0.7	1.5	1
CRUDE FIBER		%	0.7	1.5	1
ETHER EXTRACT		%	0.2	0.5	1
NITROGEN FREE EXTRACT		%	43.9	93.1	1
PROTEIN		%	1.6	3.4	1
CATTLE	DIG PROT	% *	-0.4	-0.9	
GOATS	DIG PROT	% *	0.2	0.4	
HORSES	DIG PROT	% *	0.2	0.4	
SHEEP	DIG PROT	% *	0.2	0.4	
ENERGY		GE KCAL/KG			
SHEEP		DE KCAL/KG *	1.82	3.86	
SHEEP		ME KCAL/KG *	1.49	3.17	
SHEEP		TDN % *	41.2	87.6	

IPOMOEA BATATAS, ROOTS W/ PEELINGS, FRESH, (4)

REF NO 4-10-518

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	44.4	100.0	1
ORGANIC MATTER		%	43.6	98.1	
ASH		%	0.8	1.9	1
CRUDE FIBER		%	0.8	1.8	1
ETHER EXTRACT		%	0.1	0.2	1
NITROGEN FREE EXTRACT		%	41.1	92.5	1
PROTEIN		%	1.6	3.6	1
CATTLE	DIG PROT	% *	-0.3	-0.7	
GOATS	DIG PROT	% *	0.2	0.5	
HORSES	DIG PROT	% *	0.2	0.5	
SHEEP	DIG PROT	% *	0.2	0.5	

IPOMOEA PENTAPHYLLA, MORNINGGLORY, PENTAPHYLLA

IPOMOEA PENTAPHYLLA PENTAPHYLLA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-13-272

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	14.2	100.0	1
ORGANIC MATTER		%	13.0	91.3	
ASH		%	1.2	8.7	1
CRUDE FIBER		%	5.5	38.5	1
ETHER EXTRACT		%	0.4	2.6	1
NITROGEN FREE EXTRACT		%	5.3	37.1	1
PROTEIN		%	1.9	13.1	1
CATTLE	DIG PROT	% *	1.3	9.0	
GOATS	DIG PROT	% *	1.2	8.8	
HORSES	DIG PROT	% *	1.2	8.7	
RABBITS	DIG PROT	% *	1.2	8.8	
SHEEP	DIG PROT	% *	1.3	9.2	
ENERGY		GE KCAL/KG			
CATTLE		DE KCAL/KG *	0.33	2.35	
SHEEP		DE KCAL/KG *	0.37	2.60	
CATTLE		ME KCAL/KG *	0.27	1.92	
SHEEP		ME KCAL/KG *	0.30	2.13	
CATTLE		NE-M KCAL/KG *	0.16	1.13	
CATTLE		NE-GAIN KCAL/KG *	0.06	0.41	
CATTLE	NE-LACTATION	KCAL/KG *	0.16	1.12	
CATTLE		TDN % *	7.6	53.2	
SHEEP		TDN % *	8.4	58.9	
CALCIUM		%	0.02	0.11	1
PHOSPHORUS		%	0.02	0.16	1

IPOMOEA SAGITTATA, MORNINGGLORY, SAGITTATA

IPOMOEA SAGITTATA SAGITTATA, AERIAL PART, DEHY, (1)

REF NO 1-11-547

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	90.0	100.0	1
ORGANIC MATTER		%	79.9	88.8	1
ASH		%	10.1	11.2	1
CRUDE FIBER		%	22.4	24.9	1
ETHER EXTRACT		%	3.7	4.1	1
NITROGEN FREE EXTRACT		%	36.6	40.7	1
PROTEIN		%	17.2	19.1	1
CATTLE	DIG PROT	% *	12.1	13.5	
GOATS	DIG PROT	% *	13.0	14.4	
HORSES	DIG PROT	% *	12.4	13.8	
RABBITS	DIG PROT	% *	12.1	13.4	
SHEEP	DIG PROT	% *	12.3	13.7	
ENERGY		GE KCAL/KG			
CATTLE		DE KCAL/KG *	2.40	2.67	
HORSES		DE KCAL/KG *	1.46	1.62	
SHEEP		DE KCAL/KG *	2.36	2.62	
CATTLE		ME KCAL/KG *	1.97	2.19	
HORSES		ME KCAL/KG *	1.19	1.33	
SHEEP		ME KCAL/KG *	1.94	2.15	
CATTLE		NE-M KCAL/KG *	1.17	1.30	
CATTLE		NE-GAIN KCAL/KG *	0.61	0.67	
CATTLE	NE-LACTATION	KCAL/KG *	1.23	1.37	
CATTLE		TDN % *	54.4	60.5	
HORSES		TDN % *	35.6	39.6	
SHEEP		TDN % *	53.5	59.5	
CALCIUM		%	0.69	0.77	1
PHOSPHORUS		%	0.59	0.66	1
VITAMIN A EQUIV		IU/G	427.8	475.3	

IPOMOEA SAGITTATA SAGITTATA, AERIAL PART, FRESH, (2)

REF NO 2-11-548

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	11.1	100.0	3
ORGANIC MATTER		%	9.9	89.5	3
ASH		%	1.2	10.5	3
CRUDE FIBER		%	2.5	22.2	3
ETHER EXTRACT		%	0.3	2.4	3
NITROGEN FREE EXTRACT		%	4.3	39.1	3
PROTEIN		%	2.9	25.8	3
CATTLE	DIG PROT	% *	2.2	19.8	
GOATS	DIG PROT	% *	2.3	20.7	
HORSES	DIG PROT	% *	2.2	19.5	
RABBITS	DIG PROT	% *	2.1	18.6	
SHEEP	DIG PROT	% *	2.3	21.1	
ENERGY		GE KCAL/KG			
SHEEP		DE KCAL/KG *	0.32	2.89	
SHEEP		ME KCAL/KG *	0.26	2.37	
SHEEP		TDN % *	7.3	65.5	

IPOMOEA SPP, MORNINGGLORY

IPOMOEA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-425

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	10.0	100.0	1
ORGANIC MATTER		%	8.7	86.9	1
ASH		%	1.3	13.1	1
CRUDE FIBER		%	3.0	30.2	1
ETHER EXTRACT		%	0.2	2.1	1
NITROGEN FREE EXTRACT		%	3.8	37.8	1
PROTEIN		%	1.7	16.8	1
CATTLE	DIG PROT	% *	1.2	12.2	
GOATS	DIG PROT	% *	1.2	12.2	
HORSES	DIG PROT	% *	1.2	11.8	
RABBITS	DIG PROT	% *	1.2	11.6	
SHEEP	DIG PROT	% *	1.3	12.6	
ENERGY		GE KCAL/KG			
CATTLE		DE KCAL/KG *	0.26	2.58	
SHEEP		DE KCAL/KG *	0.26	2.60	
CATTLE		ME KCAL/KG *	0.21	2.11	
SHEEP		ME KCAL/KG *	0.21	2.13	
CATTLE		NE-M KCAL/KG *	0.12	1.25	
CATTLE		NE-GAIN KCAL/KG *	0.06	0.60	
CATTLE	NE-LACTATION	KCAL/KG *	0.13	1.30	
CATTLE		TDN % *	5.8	58.4	
SHEEP		TDN % *	5.9	58.9	
CALCIUM		%	0.01	0.11	1
PHOSPHORUS		%	0.00	0.02	1

ISCHAEMUM CILIARE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ISCHAEMUM CILIARE CILIANE, AERIAL PART, FRESH, (2)						
REF NO 2-13-791						
DRY MATTER		%	18.8	100.0	7	4
PROTEIN		%	1.6	8.4	15	4
CATTLE	DIG PROT	% *	0.9	5.0		
GOATS	DIG PROT	% *	0.8	4.4		
HORSES	DIG PROT	% *	0.9	4.6		
RABBITS	DIG PROT	% *	1.0	5.1		
SHEEP	DIG PROT	% *	0.9	4.8		
ISCHAEMUM CILIARE CILIANE, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-17-686						
DRY MATTER		%		100.0		
CRUDE FIBER		%				
CATTLE	DIG COEF	%		68.	5	5
ETHER EXTRACT		%				
CATTLE	DIG COEF	%		58.	7	5
NITROGEN FREE EXTRACT		%				
CATTLE	DIG COEF	%		64.	9	5
PROTEIN		%				
CATTLE	DIG COEF	%		49.	24	5
ENERGY	GE KCAL/KG					
CATTLE	GE DIG COEF	%		58.	5	5
ISCHAEMUM CILIARE CILIANE, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-685						
DRY MATTER		%		100.0		
CRUDE FIBER		%				
CATTLE	DIG COEF	%		72.		1
ETHER EXTRACT		%				
CATTLE	DIG COEF	%		70.		1
NITROGEN FREE EXTRACT		%				
CATTLE	DIG COEF	%		65.		1
PROTEIN		%				
CATTLE	DIG COEF	%		65.		1
ENERGY	GE KCAL/KG					
CATTLE	GE DIG COEF	%		67.		1
ISOCARPHA OPPOSITIFOLIA						
ISOCARPHA OPPOSITIFOLIA OPPOSITIFOLIA, AERIAL PART, FRESH, MIUBLOON, (2)						
REF NO 2-17-550						
DRY MATTER		%	21.1	100.0		1
ORGANIC MATTER		%	18.6	88.2		1
ASH		%	2.5	11.8		1
CRUDE FIBER		%	6.6	31.1		1
ETHER EXTRACT		%	0.7	3.2		1
NITROGEN FREE EXTRACT		%	7.5	35.5		1
PROTEIN		%	3.9	18.4		1
CATTLE	DIG PROT	% *	2.9	13.5		
GOATS	DIG PROT	% *	2.9	13.7		
HORSES	DIG PROT	% *	2.8	13.2		
RABBITS	DIG PROT	% *	2.7	12.9		
SHEEP	DIG PROT	% *	3.0	14.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.53	2.50		
SHEEP	DE MCAL/KG	*	0.57	2.72		
CATTLE	ME MCAL/KG	*	0.43	2.05		
SHEEP	ME MCAL/KG	*	0.47	2.23		
CATTLE	NE-M MCAL/KG	*	0.26	1.21		
CATTLE	NE-GAIN MCAL/KG	*	0.11	0.54		
CATTLE	NE-LACTATION MCAL/KG	*	0.26	1.24		
CATTLE	TDN	% *	12.0	56.7		
SHEEP	TDN	% *	13.0	61.6		
CALCIUM		%	0.35	1.68		1
PHOSPHORUS		%	0.05	0.24		1
IXIA ARGENTEA						
IXIA ARGENTEA ARGENTEA, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)						
REF NO 1-15-435						
DRY MATTER		%		100.0		
PROTEIN		%		9.3	12	11
CATTLE	DIG PROT	% *		1.9		
GOATS	DIG PROT	% *		1.5		
HORSES	DIG PROT	% *		2.0		
RABBITS	DIG PROT	% *		2.7		
SHEEP	DIG PROT	% *		1.3		
PHOSPHORUS		%		0.12	24	5
IXIA ARGENTEA ARGENTEA, AERIAL PART, FRESH, (2)						
REF NO 2-11-038						
DRY MATTER		%		100.0		
PROTEIN		%		5.3	12	11
CATTLE	DIG PROT	% *		2.4		
GOATS	DIG PROT	% *		1.5		
HORSES	DIG PROT	% *		2.0		
RABBITS	DIG PROT	% *		2.7		
SHEEP	DIG PROT	% *		1.9		
PHOSPHORUS		%		0.11	26	4
IXOPHORUS UNISETUS, HONDURAS						
IXOPHORUS UNISETUS, HAY, S-C, (1)						
REF NO 1-10-513						
DRY MATTER		%	90.7	100.0		1
ORGANIC MATTER		%	78.6	86.7		
ASH		%	12.1	13.3		1
CRUDE FIBER		%	32.0	35.3		1
ETHER EXTRACT		%	0.8	0.9		1
NITROGEN FREE EXTRACT		%	40.9	45.1		1
PROTEIN		%	4.9	5.4		1
CATTLE	DIG PROT	% *	1.5	1.6		
GOATS	DIG PROT	% *	1.5	1.6		
HORSES	DIG PROT	% *	1.9	2.1		
RABBITS	DIG PROT	% *	2.6	2.8		
SHEEP	DIG PROT	% *	1.3	1.4		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.82	2.00		
HORSES	DE MCAL/KG	*	1.31	1.45		
SHEEP	DE MCAL/KG	*	1.88	2.07		
CATTLE	ME MCAL/KG	*	1.49	1.64		
HORSES	ME MCAL/KG	*	1.08	1.19		
SHEEP	ME MCAL/KG	*	1.54	1.70		
CATTLE	NE-M MCAL/KG	*	0.89	0.98		
CATTLE	NE-GAIN MCAL/KG	*	0.07	0.08		
CATTLE	NE-LACTATION MCAL/KG	*	0.77	0.85		
CATTLE	TDN	% *	41.2	45.4		
HORSES	TDN	% *	31.7	34.9		
SHEEP	TDN	% *	42.6	47.0		
IXOPHORUS UNISETUS, AERIAL PART, FRESH, (2)						
REF NO 2-09-401						
DRY MATTER		%	20.4	100.0	29	6
PROTEIN		%	2.0	9.[illegible]	32	6
CATTLE	DIG PROT	% *	1.3	6.3		
GOATS	DIG PROT	% *	1.2	5.8		
HORSES	DIG PROT	% *	1.3	5.9		
RABBITS	DIG PROT	% *	1.3	6.3		
SHEEP	DIG PROT	% *	1.3	6.2		
CALCIUM		%	0.[illegible]	0.44		3
PHOSPHORUS		%	0.09	0.42		3
IXOPHORUS UNISETUS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-09-557						
DRY MATTER		%	14.8	100.0	12	12
ORGANIC MATTER		%	12.6	85.2	15	12
ASH		%	2.2	14.8	15	12
CRUDE FIBER		%	4.1	28.1	12	12
ETHER EXTRACT		%	0.5	3.6	25	12
NITROGEN FREE EXTRACT		%	5.9	40.0	9	12
PROTEIN		%	2.0	13.5	15	12
CATTLE	DIG PROT	% *	1.4	9.4		
GOATS	DIG PROT	% *	1.4	9.2		
HORSES	DIG PROT	% *	1.3	9.0		
RABBITS	DIG PROT	% *	1.3	9.1		
SHEEP	DIG PROT	% *	1.4	9.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.36	2.42		
SHEEP	DE MCAL/KG	*	0.39	2.61		
CATTLE	ME MCAL/KG	*	0.29	1.98		
SHEEP	ME MCAL/KG	*	0.32	2.14		
CATTLE	NE-M MCAL/KG	*	0.17	1.17		
CATTLE	NE-GAIN MCAL/KG	*	0.07	0.47		
CATTLE	NE-LACTATION MCAL/KG	*	0.17	1.17		
CATTLE	TDN	% *	8.1	54.9		
SHEEP	TDN	% *	8.7	59.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-09-569						
DRY MATTER		%	16.3	100.0	11	8
ORGANIC MATTER		%	14.0	86.0	8	8
ASH		%	2.2	13.8	8	8
CRUDE FIBER		%	4.7	28.9	14	8
ETHER EXTRACT		%	0.5	3.2	42	8
NITROGEN FREE EXTRACT		%	7.1	43.7	9	8
PROTEIN		%	1.7	10.3	25	8
CATTLE	DIG PROT	% *	1.1	6.7		
GOATS	DIG PROT	% *	1.0	6.2		
HORSES	DIG PROT	% *	1.0	6.3		
RABBITS	DIG PROT	% *	1.1	6.7		
SHEEP	DIG PROT	% *	1.1	6.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.40	2.46		
SHEEP	DE	MCAL/KG *	0.42	2.57		
CATTLE	ME	MCAL/KG *	0.33	2.01		
SHEEP	ME	MCAL/KG *	0.34	2.10		
CATTLE	NE-M	MCAL/KG *	0.19	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.50		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.20		
CATTLE	TDN	% *	9.1	55.7		
SHEEP	TDN	% *	9.5	58.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-09-577						
DRY MATTER		%	17.9	100.0	10	7
ORGANIC MATTER		%	15.3	85.7	8	7
ASH		%	2.6	14.3	8	7
CRUDE FIBER		%	5.3	29.5	8	8
ETHER EXTRACT		%	0.5	2.9	19	7
NITROGEN FREE EXTRACT		%	8.0	44.7	7	7
PROTEIN		%	1.5	8.6	14	7
CATTLE	DIG PROT	% *	0.9	5.2		
GOATS	DIG PROT	% *	0.8	4.6		
HORSES	DIG PROT	% *	0.9	4.9		
RABBITS	DIG PROT	% *	1.0	5.1		
SHEEP	DIG PROT	% *	0.9	5.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.42	2.37		
SHEEP	DE	MCAL/KG *	0.45	2.51		
CATTLE	ME	MCAL/KG *	0.35	1.95		
SHEEP	ME	MCAL/KG *	0.37	2.06		
CATTLE	NE-M	MCAL/KG *	0.20	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.14		
CATTLE	TDN	% *	9.6	53.8		
SHEEP	TDN	% *	10.2	57.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-15-433						
DRY MATTER		%	20.7	100.0	41	5
ORGANIC MATTER		%	17.8	86.1		
ASH		%	2.9	13.9	10	5
CRUDE FIBER		%	5.3	25.6	16	5
PROTEIN		%	1.6	7.9	49	5
CATTLE	DIG PROT	% *	1.0	4.6		
GOATS	DIG PROT	% *	0.8	4.0		
HORSES	DIG PROT	% *	0.9	4.3		
RABBITS	DIG PROT	% *	1.0	4.8		
SHEEP	DIG PROT	% *	0.9	4.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)						
REF NO 2-09-790						
DRY MATTER		%	15.0	100.0		1
ORGANIC MATTER		%	13.7	91.2		1
ASH		%	1.3	8.8		1
CRUDE FIBER		%	4.5	30.2		1
ETHER EXTRACT		%	0.6	3.9		1
NITROGEN FREE EXTRACT		%	7.6	50.8		1
PROTEIN		%	0.9	6.3		1
CATTLE	DIG PROT	% *	0.5	3.2		
GOATS	DIG PROT	% *	0.4	2.4		
HORSES	DIG PROT	% *	0.4	2.9		
RABBITS	DIG PROT	% *	0.5	3.5		
SHEEP	DIG PROT	% *	0.4	2.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.44	2.92		
SHEEP	DE	MCAL/KG *	0.39	2.57		
CATTLE	ME	MCAL/KG *	0.36	2.40		
SHEEP	ME	MCAL/KG *	0.32	2.11		
CATTLE	NE-M	MCAL/KG *	0.22	1.44		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.87		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.57		
CATTLE	TDN	% *	9.9	66.3		
SHEEP	TDN	% *	8.8	58.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-09-916						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.4		
ASH		%		13.6		1
CRUDE FIBER		%		30.1		1
ETHER EXTRACT		%		3.5		1
NITROGEN FREE EXTRACT		%		38.6		1
PROTEIN		%		14.3		1
CATTLE	DIG PROT	% *		10.0		
GOATS	DIG PROT	% *		9.9		
HORSES	DIG PROT	% *		9.6		
RABBITS	DIG PROT	% *		9.7		
SHEEP	DIG PROT	% *		10.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.40		
SHEEP	DE	MCAL/KG *		2.63		
CATTLE	ME	MCAL/KG *		1.97		
SHEEP	ME	MCAL/KG *		2.15		
CATTLE	NE-M	MCAL/KG *		1.16		
CATTLE	NE-GAIN	MCAL/KG *		0.45		
CATTLE	NE-LACTATION	MCAL/KG *		1.16		
CATTLE	TDN	% *		54.4		
SHEEP	TDN	% *		59.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-426						
DRY MATTER		%	13.1	100.0		3
ORGANIC MATTER		%	11.1	85.3		2
ASH		%	1.9	14.8		3
CRUDE FIBER		%	3.9	30.0		3
ETHER EXTRACT		%	0.4	3.0		3
NITROGEN FREE EXTRACT		%	5.0	37.9		3
PROTEIN		%	1.9	14.4		3
CATTLE	DIG PROT	% *	1.3	10.1		
GOATS	DIG PROT	% *	1.3	10.0		
HORSES	DIG PROT	% *	1.3	9.8		
RABBITS	DIG PROT	% *	1.3	9.8		
SHEEP	DIG PROT	% *	1.4	10.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.31	2.36		
SHEEP	DE	MCAL/KG *	0.34	2.58		
CATTLE	ME	MCAL/KG *	0.25	1.93		
SHEEP	ME	MCAL/KG *	0.28	2.11		
CATTLE	NE-M	MCAL/KG *	0.15	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.42		
CATTLE	NE-LACTATION	MCAL/KG *	0.15	1.13		
CATTLE	TDN	% *	7.0	53.5		
SHEEP	TDN	% *	7.6	58.5		
CALCIUM		%	0.06	0.48		2
PHOSPHORUS		%	0.04	0.31		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IXOPHORUS UNISETUS, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-17-428						
DRY MATTER		%	21.9	100.0		1
ORGANIC MATTER		%	19.6	89.6		1
ASH		%	2.3	10.4		1
CRUDE FIBER		%	6.7	30.6		1
ETHER EXTRACT		%	0.7	3.3		1
NITROGEN FREE EXTRACT		%	10.2	46.4		1
PROTEIN		%	2.0	9.3		1
CATTLE	DIG PROT	% *	1.3	5.8		
GOATS	DIG PROT	% *	1.1	5.2		
HORSES	DIG PROT	% *	1.2	5.4		
RABBITS	DIG PROT	% *	1.3	5.8		
SHEEP	DIG PROT	% *	1.2	5.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.58		
SHEEP	DE	MCAL/KG *	0.57	2.60		
CATTLE	ME	MCAL/KG *	0.46	2.11		
SHEEP	ME	MCAL/KG *	0.47	2.13		
CATTLE	NE-M	MCAL/KG *	0.27	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.60		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.30		
CATTLE	TDN	% *	12.8	58.4		
SHEEP	TDN	% *	12.9	59.0		
CALCIUM		%	0.10	0.44		1
PHOSPHORUS		%	0.07	0.32		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
IXOPHOBUS UNISETUS, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-17-427					
DRY MATTER		%	47.2	100.0	1
ORGANIC MATTER		%	43.5	92.2	1
ASH		%	3.8	8.0	1
CRUDE FIBER		%	15.2	32.2	1
ETHER EXTRACT		%	0.6	1.3	1
NITROGEN FREE EXTRACT		%	24.4	51.6	1
PROTEIN		%	3.3	6.9	1
CATTLE	DIG PROT	% *	1.8	3.8	
GOATS	DIG PROT	% *	1.4	3.0	
HORSES	DIG PROT	% *	1.6	3.4	
RABBITS	DIG PROT	% *	1.9	4.0	
SHEEP	DIG PROT	% *	1.6	3.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.16	2.45	
SHEEP	DE	MCAL/KG *	1.20	2.54	
CATTLE	ME	MCAL/KG *	0.95	2.01	
SHEEP	ME	MCAL/KG *	0.98	2.09	
CATTLE	NE-M	MCAL/KG *	0.56	1.18	
CATTLE	NE-GAIN	MCAL/KG *	0.23	0.50	
CATTLE	NE-LACTATION	MCAL/KG *	0.56	1.20	
CATTLE	TDN	% *	26.2	55.5	
SHEEP	TDN	% *	27.2	57.7	
CALCIUM		%	0.11	0.23	1
PHOSPHORUS		%	0.13	0.27	1

JUGLANS REGIA, WALNUT, PERSIAN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
JUGLANS REGIA PERSIAN, MEATS, (4)					
REF NO 4-13-396					
DRY MATTER		%	95.9	100.0	1
ORGANIC MATTER		%	94.1	98.1	
ASH		%	1.8	1.9	1
CRUDE FIBER		%	3.0	3.1	1
ETHER EXTRACT		%	51.8	54.0	1
NITROGEN FREE EXTRACT		%	25.5	26.6	
PROTEIN		%	13.8	14.4	1
CATTLE	DIG PROT	% *	8.9	9.2	
GOATS	DIG PROT	% *	10.0	10.4	
HORSES	DIG PROT	% *	10.0	10.4	
SHEEP	DIG PROT	% *	10.0	10.4	
CALCIUM		%	0.09	0.09	1
IRON		%	0.004	0.004	1
PHOSPHORUS		%	0.37	0.39	1
ASCORBIC ACID		MG/KG	29.1	30.3	1
NIACIN		MG/KG	31.0	32.3	1
RIBOFLAVIN		MG/KG	5.2	5.4	1
THIAMINE		MG/KG	2.4	2.5	1
VITAMIN A EQUIV		IU/G	2.0	2.1	
JUGLANS REGIA PERSIAN, MEATS W HULLS, (5)					
REF NO 5-13-243					
DRY MATTER		%	89.4	100.0	1
ORGANIC MATTER		%	81.5	91.2	
ASH		%	7.9	8.8	1
CRUDE FIBER		%	19.0	21.3	1
ETHER EXTRACT		%	13.7	15.3	1
NITROGEN FREE EXTRACT		%	18.2	20.4	1
PROTEIN		%	30.6	34.2	1
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	3.62	4.05	
SHEEP	DE	MCAL/KG *	3.05	3.41	
CATTLE	ME	MCAL/KG *	2.97	3.32	
SHEEP	ME	MCAL/KG *	2.50	2.79	
CATTLE	NE-M	MCAL/KG *	2.07	2.31	
CATTLE	NE-GAIN	MCAL/KG *	1.34	1.49	
CATTLE	NE-LACTATION	MCAL/KG *	2.19	2.45	
CATTLE	TDN	% *	82.2	91.9	
SHEEP	TDN	% *	69.1	77.3	

JUNCUS IMBRICATUS, RUSH, IMBRICATUS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
JUNCUS IMBRICATUS IMBRICATUS, MAY, S-C, (1)					
REF NO 1-11-037					
DRY MATTER		%	84.4	100.0	1
ORGANIC MATTER		%	79.6	94.3	
ASH		%	4.8	5.7	1
CRUDE FIBER		%	27.9	33.1	1
ETHER EXTRACT		%	1.4	1.6	1
NITROGEN FREE EXTRACT		%	36.5	43.2	1
PROTEIN		%	13.8	16.4	1
CATTLE	DIG PROT	% *	9.4	11.1	
GOATS	DIG PROT	% *	10.0	11.9	
HORSES	DIG PROT	% *	9.7	11.5	
RABBITS	DIG PROT	% *	9.6	11.3	
SHEEP	DIG PROT	% *	9.5	11.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.16	2.56	
HORSES	DE	MCAL/KG *	1.69	2.01	
SHEEP	DE	MCAL/KG *	2.15	2.54	
CATTLE	ME	MCAL/KG *	1.77	2.10	
HORSES	ME	MCAL/KG *	1.39	1.65	
SHEEP	ME	MCAL/KG *	1.76	2.08	
CATTLE	NE-M	MCAL/KG *	1.05	1.24	
CATTLE	NE-GAIN	MCAL/KG *	0.50	0.59	
CATTLE	NE-LACTATION	MCAL/KG *	1.08	1.28	
CATTLE	TDN	% *	49.0	58.1	
HORSES	TDN	% *	42.5	50.3	
SHEEP	TDN	% *	48.7	57.7	
CALCIUM		%	0.33	0.39	1
PHOSPHORUS		%	0.08	0.09	1

JUNCUS RIGIDUS, RUSH, RIGIDUS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
JUNCUS RIGIDUS RIGIDUS, AERIAL PART, FRESH, (2)					
REF NO 2-11-036					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		96.6	
ASH		%		3.4	2
CRUDE FIBER		%		28.4	1
PROTEIN		%		8.0	2
CATTLE	DIG PROT	% *		4.7	
GOATS	DIG PROT	% *		4.0	
HORSES	DIG PROT	% *		4.3	
RABBITS	DIG PROT	% *		4.8	
SHEEP	DIG PROT	% *		4.3	
CALCIUM		%		0.18	2
COBALT		MG/KG		0.096	2
COPPER		MG/KG		3.7	2
MANGANESE		MG/KG		106.8	2
MOLYBDENUM		MG/KG		0.07	2
PHOSPHORUS		%		0.09	2
JUNCUS RIGIDUS RIGIDUS, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-11-035					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		96.8	
ASH		%		3.2	1
CRUDE FIBER		%		37.4	1
ETHER EXTRACT		%		2.1	1
NITROGEN FREE EXTRACT		%		51.9	1
PROTEIN		%		5.5	1
CATTLE	DIG PROT	% *		2.5	
GOATS	DIG PROT	% *		1.6	
HORSES	DIG PROT	% *		2.2	
RABBITS	DIG PROT	% *		2.9	
SHEEP	DIG PROT	% *		2.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.12	
SHEEP	DE	MCAL/KG *		2.53	
CATTLE	ME	MCAL/KG *		1.74	
SHEEP	ME	MCAL/KG *		2.08	
CATTLE	NE-M	MCAL/KG *		1.03	
CATTLE	NE-GAIN	MCAL/KG *		0.19	
CATTLE	NE-LACTATION	MCAL/KG *		0.94	
CATTLE	TDN	% *		48.1	
SHEEP	TDN	% *		57.5	
CALCIUM		%		0.13	1
COBALT		MG/KG		0.081	1
COPPER		MG/KG		1.7	1
MANGANESE		MG/KG		129.1	1
MOLYBDENUM		MG/KG		0.07	1
PHOSPHORUS		%		0.06	1

KIKUYO

-SEE PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, (2)

KOA HAOLE

-SEE LEUCAENA GLAUCA WHITEPOPINAC, AERIAL PART, FRESH, (2)

KRAMERIA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
KRAMERIA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)					
RATANY					
REF NO 2-10-113					
DRY MATTER		%	20.7	100.0	2
ORGANIC MATTER		%	18.7	90.5	2
ASH		%	2.0	9.5	2
CRUDE FIBER		%	6.4	31.1	2
ETHER EXTRACT		%	0.5	2.4	2
NITROGEN FREE EXTRACT		%	9.8	47.9	2
PROTEIN		%	2.0	9.8	2
CATTLE	DIG PROT	% *	1.3	6.2	
GOATS	DIG PROT	% *	1.2	5.7	
HORSES	DIG PROT	% *	1.2	5.8	
RABBITS	DIG PROT	% *	1.3	6.2	
SHEEP	DIG PROT	% *	1.3	6.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.52	2.52	
SHEEP	DE	MCAL/KG *	0.54	2.61	
CATTLE	ME	MCAL/KG *	0.43	2.06	
SHEEP	ME	MCAL/KG *	0.44	2.14	
CATTLE	NE-M	MCAL/KG *	0.25	1.22	
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.55	
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.25	
CATTLE		TDN % *	11.8	57.0	
SHEEP		TDN % *	12.2	59.1	
CALCIUM		%	0.08	0.40	2
MAGNESIUM		%	0.11	0.53	2
PHOSPHORUS		%	0.04	0.18	2

LACTALBUMIN, DRIED

SEE NOS SPP, WHEY ALBUMIN, HEAT AND ACID PRECIPITATED DEHY, MN 75% PROTEIN, (5)

LACTUCA SATIVA, LETTUCE

LACTUCA SATIVA, AERIAL PART, FRESH, (2)

REF NO 2-02-624

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	8.7	100.0	1
ORGANIC MATTER		%	7.7	88.5	
ASH		%	1.0	11.5	1
CRUDE FIBER		%	1.1	12.6	1
ETHER EXTRACT		%	0.2	2.3	1
NITROGEN FREE EXTRACT		%	5.2	59.8	
PROTEIN		%	1.2	13.8	1
CATTLE	DIG PROT	% *	0.8	9.6	
GOATS	DIG PROT	% *	0.8	9.4	
HORSES	DIG PROT	% *	0.8	9.2	
RABBITS	DIG PROT	% *	0.8	9.3	
SHEEP	DIG PROT	% *	0.9	9.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.31	3.57	
SHEEP	DE	MCAL/KG *	0.28	3.20	
CATTLE	ME	MCAL/KG *	0.25	2.93	
SHEEP	ME	MCAL/KG *	0.23	2.62	
CATTLE	NE-M	MCAL/KG *	0.16	1.89	
CATTLE	NE-GAIN	MCAL/KG *	0.11	1.26	
CATTLE	NE-LACTATION	MCAL/KG *	0.18	2.07	
CATTLE		TDN % *	7.0	80.9	
SHEEP		TDN % *	6.3	72.6	
CALCIUM		%	0.05	0.57	1
IRON		%	0.001	0.011	1
PHOSPHORUS		%	0.04	0.46	1
ASCORBIC ACID		MG/KG	175.0	2011.5	1
NIACIN		MG/KG	4.8	55.2	1
RIBOFLAVIN		MG/KG	0.5	5.7	1
THIANINE		MG/KG	0.6	6.9	1
VITAMIN A EQUIV		IU/G	40.7	467.5	

LANTANA ACHYRANTHIFOLIA

LANTANA ACHYRANTHIFOLIA ACHYRANTHIFOLIA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-429

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	29.3	100.0	2
ORGANIC MATTER		%	26.0	88.7	2
ASH		%	3.3	11.3	2
CRUDE FIBER		%	7.8	26.7	2
ETHER EXTRACT		%	0.8	2.8	2
NITROGEN FREE EXTRACT		%	13.4	45.7	2
PROTEIN		%	4.0	13.7	2
CATTLE	DIG PROT	% *	2.8	9.5	
GOATS	DIG PROT	% *	2.7	9.3	
HORSES	DIG PROT	% *	2.7	9.1	
RABBITS	DIG PROT	% *	2.7	9.2	
SHEEP	DIG PROT	% *	2.8	9.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.80	2.71	
SHEEP	DE	MCAL/KG *	0.79	2.71	
CATTLE	ME	MCAL/KG *	0.65	2.23	
SHEEP	ME	MCAL/KG *	0.65	2.22	
CATTLE	NE-M	MCAL/KG *	0.39	1.32	
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.71	
CATTLE	NE-LACTATION	MCAL/KG *	0.41	1.40	
CATTLE		TDN % *	18.0	61.6	
SHEEP		TDN % *	18.0	61.4	
CALCIUM		%	0.85	2.89	2
PHOSPHORUS		%	0.07	0.25	2

LANTANA CAMARA, LANTANA, COMMON

LANTANA CAMARA COMMON, AERIAL PART, FRESH, (2)

REF NO 2-11-544

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.2	
ASH		%		6.8	1
CRUDE FIBER		%		68.8	1
ETHER EXTRACT		%		1.2	1
NITROGEN FREE EXTRACT		%		8.1	1
PROTEIN		%		15.1	1
CATTLE	DIG PROT	% *		10.7	
GOATS	DIG PROT	% *		10.6	
HORSES	DIG PROT	% *		10.3	
RABBITS	DIG PROT	% *		10.3	
SHEEP	DIG PROT	% *		11.1	

LANTANA FUCATA

LANTANA FUCATA FUCATA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-430

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	30.1	100.0	1
ORGANIC MATTER		%	26.4	87.7	1
ASH		%	3.7	12.3	1
CRUDE FIBER		%	11.6	38.6	1
ETHER EXTRACT		%	0.5	1.6	1
NITROGEN FREE EXTRACT		%	11.4	37.9	1
PROTEIN		%	2.9	9.6	1
CATTLE	DIG PROT	% *	1.8	6.1	
GOATS	DIG PROT	% *	1.7	5.5	
HORSES	DIG PROT	*	1.7	5.7	
RABBITS	DIG PROT	% *	1.8	6.1	
SHEEP	DIG PROT	% *	1.8	5.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.73	2.43	
SHEEP	DE	MCAL/KG *	0.72	2.40	
CATTLE	ME	MCAL/KG *	0.60	1.99	
SHEEP	ME	MCAL/KG *	0.59	1.97	
CATTLE	NE-M	MCAL/KG *	0.35	1.17	
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.48	
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.18	
CATTLE		TDN % *	16.6	55.0	
SHEEP		TDN % *	16.4	54.4	
CALCIUM		%	0.16	0.53	1
PHOSPHORUS		%	0.04	0.12	1

LANTANA SPP, LANTANA

LANTANA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-431

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	26.4	100.0	1
ORGANIC MATTER		%	23.6	89.5	1
ASH		%	2.8	10.5	1
CRUDE FIBER		%	5.0	18.9	1
ETHER EXTRACT		%	0.3	1.0	1
NITROGEN FREE EXTRACT		%	14.4	54.5	1
PROTEIN		%	4.0	15.1	1
CATTLE	DIG PROT	% *	2.8	10.7	
GOATS	DIG PROT	% *	2.8	10.6	
HORSES	DIG PROT	% *	2.7	10.3	
RABBITS	DIG PROT	% *	2.7	10.3	
SHEEP	DIG PROT	% *	2.9	11.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.76	2.89	
SHEEP	DE	MCAL/KG *	0.78	2.95	
CATTLE	ME	MCAL/KG *	0.63	2.37	
SHEEP	ME	MCAL/KG *	0.64	2.42	
CATTLE	NE-M	MCAL/KG *	0.38	1.42	
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.84	
CATTLE	NE-LACTATION	MCAL/KG *	0.41	1.54	
CATTLE		TDN % *	17.3	65.5	
SHEEP		TDN % *	17.6	66.8	
CALCIUM		%	0.72	2.73	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
PHOSPHORUS		%	0.04	0.17	1

LANTANA SPP, BROWSE, FRESH, (2)

REF NO 2-13-278

DRY MATTER		%	21.7	100.0	1
ORGANIC MATTER		%	20.5	94.4	
ASH		%	1.2	5.6	1
CRUDE FIBER		%	7.9	36.4	1
ETHER EXTRACT		%	1.7	7.8	1
NITROGEN FREE EXTRACT		%	9.0	41.7	1
PROTEIN		%	1.8	8.5	1
CATTLE	DIG PROT	% *	1.1	5.1	
GOATS	DIG PROT	% *	1.0	4.5	
HORSES	DIG PROT	% *	1.0	4.7	
RABBITS	DIG PROT	% *	1.1	5.2	
SHEEP	DIG PROT	% *	1.1	4.9	
CALCIUM		%	0.28	1.31	1
PHOSPHORUS		%	0.02	0.11	1

LARREA TRIDENTATA, CREOSOTEBUSH, COVILLE

LARREA TRIDENTATA COVILLE, BROWSE, DEHY GRND, (1)

REF NO 1-13-463

DRY MATTER		%	90.6	100.0	1
ORGANIC MATTER		%	85.4	94.3	
ASH		%	5.2	5.7	1
CRUDE FIBER		%	20.8	23.0	1
ETHER EXTRACT		%	11.0	12.1	1
NITROGEN FREE EXTRACT		%	41.8	46.1	1
PROTEIN		%	11.8	13.0	1
CATTLE	DIG PROT	% *	7.4	8.2	
GOATS	DIG PROT	% *	7.9	8.7	
HORSES	DIG PROT	% *	7.8	8.6	
RABBITS	DIG PROT	% *	7.9	8.7	
SHEEP	DIG PROT	% *	7.5	8.3	

LARREA TRIDENTATA COVILLE, BROWSE, TREATED W SODIUM HYDROXIDE, (1)

REF NO 1-13-462

DRY MATTER		%	93.9	100.0	1
ORGANIC MATTER		%	79.9	85.0	
ASH		%	14.1	15.0	2
ETHER EXTRACT		%	3.1	3.3	1
NITROGEN FREE EXTRACT		%	48.9	52.1	1
PROTEIN		%	13.8	14.7	1
CATTLE	DIG PROT	% *	9.1	9.7	
GOATS	DIG PROT	% *	9.6	10.3	
HORSES	DIG PROT	% *	9.4	10.0	
RABBITS	DIG PROT	% *	9.4	10.0	
SHEEP	DIG PROT	% *	9.2	9.8	

LARREA TRIDENTATA COVILLE, BROWSE, TREATED W SODIUM HYDROXIDE DEHY CRUSHED, MATURE, CUT 1, (1)

REF NO 1-13-389

DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.9	
ASH		%		6.1	1
CRUDE FIBER		%		34.3	1
ETHER EXTRACT		%		1.4	1
NITROGEN FREE EXTRACT		%		47.3	1
PROTEIN		%		10.9	1
CATTLE	DIG PROT	% *		6.4	
GOATS	DIG PROT	% *		6.7	
HORSES	DIG PROT	% *		6.8	
RABBITS	DIG PROT	% *		7.1	
SHEEP	DIG PROT	% *		6.3	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.41	
HORSES	DE MCAL/KG	*		1.75	
SHEEP	DE MCAL/KG	*		2.39	
CATTLE	ME MCAL/KG	*		1.97	
HORSES	ME MCAL/KG	*		1.43	
SHEEP	ME MCAL/KG	*		1.96	
CATTLE	NE-M	MCAL/KG	*	1.16	
CATTLE	NE-GAIN	MCAL/KG	*	0.46	
CATTLE	NE-LACTATION	MCAL/KG	*	1.16	
CATTLE		TDN	% *	54.6	
HORSES		TDN	% *	43.2	
SHEEP		TDN	% *	54.3	

LARREA TRIDENTATA COVILLE, BROWSE W 20% MOLASSES ADDED, DEHY, (1)

REF NO 1-13-466

DRY MATTER		%	90.4	100.0	1
ORGANIC MATTER		%	82.6	91.4	
ASH		%	7.8	8.6	1
CRUDE FIBER		%	17.0	18.8	1
ETHER EXTRACT		%	2.4	2.7	1
NITROGEN FREE EXTRACT		%	51.0	56.4	1
PROTEIN		%	12.2	13.5	1
CATTLE	DIG PROT	% *	7.8	8.6	
GOATS	DIG PROT	% *	8.3	9.2	
HORSES	DIG PROT	% *	8.1	9.0	
RABBITS	DIG PROT	% *	8.2	9.1	
SHEEP	DIG PROT	% *	7.8	8.7	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	2.57	2.85	
HORSES	DE MCAL/KG	*	1.70	1.88	
SHEEP	DE MCAL/KG	*	2.48	2.75	
CATTLE	ME MCAL/KG	*	2.11	2.33	
HORSES	ME MCAL/KG	*	1.40	1.54	
SHEEP	ME MCAL/KG	*	2.04	2.25	
CATTLE	NE-M	MCAL/KG	*	1.26	1.40
CATTLE	NE-GAIN	MCAL/KG	*	0.73	0.81
CATTLE	NE-LACTATION	MCAL/KG	*	1.36	1.51
CATTLE		TDN	% *	58.4	64.6
HORSES		TDN	% *	42.4	46.9
SHEEP		TDN	% *	56.3	62.3

LARREA TRIDENTATA COVILLE, BROWSE W 10% MOLASSES ADDED, DEHY, (1)

REF NO 1-13-465

DRY MATTER		%	92.0	100.0	1
ORGANIC MATTER		%	84.6	92.0	
ASH		%	7.4	8.0	1
CRUDE FIBER		%	18.8	20.4	1
ETHER EXTRACT		%	2.8	3.0	1
NITROGEN FREE EXTRACT		%	50.1	54.5	1
PROTEIN		%	12.9	14.0	1
CATTLE	DIG PROT	% *	8.4	9.1	
GOATS	DIG PROT	% *	8.9	9.6	
HORSES	DIG PROT	% *	8.7	9.4	
RABBITS	DIG PROT	% *	8.7	9.5	
SHEEP	DIG PROT	% *	8.4	9.1	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	2.65	2.88	
HORSES	DE MCAL/KG	*	1.75	1.90	
SHEEP	DE MCAL/KG	*	2.53	2.75	
CATTLE	ME MCAL/KG	*	2.17	2.36	
HORSES	ME MCAL/KG	*	1.44	1.56	
SHEEP	ME MCAL/KG	*	2.08	2.26	
CATTLE	NE-M	MCAL/KG	*	1.30	1.42
CATTLE	NE-GAIN	MCAL/KG	*	0.77	0.83
CATTLE	NE-LACTATION	MCAL/KG	*	1.41	1.53
CATTLE		TDN	% *	60.1	65.3
HORSES		TDN	% *	43.7	47.5
SHEEP		TDN	% *	57.4	62.4

LARREA TRIDENTATA COVILLE, AERIAL PART, FRESH, (2)

REF NO 2-13-676

DRY MATTER		%		100.0	
ORGANIC MATTER		%		96.0	
ASH		%		4.0	1
CRUDE FIBER		%		17.1	1
ETHER EXTRACT		%		9.3	1
NITROGEN FREE EXTRACT		%		55.1	1
PROTEIN		%		14.5	1
CATTLE	DIG PROT	% *		10.2	
GOATS	DIG PROT	% *		10.1	
HORSES	DIG PROT	% *		9.8	
RABBITS	DIG PROT	% *		9.9	
SHEEP	DIG PROT	% *		10.5	

LARREA TRIDENTATA COVILLE, LEAVES, FRESH, (2)

REF NO 2-13-678

DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.2	
ASH		%		6.8	1
CRUDE FIBER		%		8.8	1
ETHER EXTRACT		%		5.4	1
NITROGEN FREE EXTRACT		%		65.4	1
PROTEIN		%		13.6	1
CATTLE	DIG PROT	% *		9.5	
GOATS	DIG PROT	% *		9.2	
HORSES	DIG PROT	% *		9.1	
RABBITS	DIG PROT	% *		9.2	
SHEEP	DIG PROT	% *		9.7	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ENERGY		GE KCAL/KG				
SHEEP		DE MCAL/KG *		3.47		
SHEEP		ME MCAL/KG *		2.85		
SHEEP		TDN % *		78.7		

LARREA TRIDENTATA COVILLE, STEMS, FRESH, (2)

REF NO 2-13-677

DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.7		
ASH		%		3.3		1
CRUDE FIBER		%		26.7		1
ETHER EXTRACT		%		3.8		1
NITROGEN FREE EXTRACT		%		64.0		1
PROTEIN		%		2.2		1
CATTLE	DIG PROT	% *		-0.2		
GOATS	DIG PROT	% *		-1.4		
HORSES	DIG PROT	% *		-0.6		
RABBITS	DIG PROT	% *		0.4		
SHEEP	DIG PROT	% *		-1.0		

LASIACIS PATENTIFLORA, TRIBSEE, PATENTIFLORA

LASIACIS PATENTIFLORA PATENTIFLORA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-432

DRY MATTER		%	34.8	100.0		1
ORGANIC MATTER		%	29.9	85.9		1
ASH		%	4.9	14.1		1
CRUDE FIBER		%	11.7	33.6		1
ETHER EXTRACT		%	0.3	1.0		1
NITROGEN FREE EXTRACT		%	13.6	39.0		1
PROTEIN		%	4.3	12.3		1
CATTLE	DIG PROT	% *	2.9	8.3		
GOATS	DIG PROT	% *	2.8	8.0		
HORSES	DIG PROT	% *	2.8	8.0		
RABBITS	DIG PROT	% *	2.8	8.2		
SHEEP	DIG PROT	% *	2.9	8.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.95	2.74		
SHEEP	DE MCAL/KG	*	0.84	2.40		
CATTLE	ME MCAL/KG	*	0.78	2.25		
SHEEP	ME MCAL/KG	*	0.69	1.97		
CATTLE	NE-M MCAL/KG	*	0.47	1.34		
CATTLE	NE-GAIN MCAL/KG	*	0.25	0.73		
CATTLE	NE-LACTATION MCAL/KG	*	0.50	1.43		
CATTLE	TDN %	*	21.6	62.2		
SHEEP	TDN %	*	19.0	54.5		
CALCIUM		%	0.09	0.25		1
PHOSPHORUS		%	0.07	0.20		1

LASIACIS SORGHOIDEA, TRIBSEE, SORGHOIDEA

LASIACIS SORGHOIDEA SORGHOIDEA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-434

DRY MATTER		%	27.4	100.0		1
ORGANIC MATTER		%	24.4	88.9		1
ASH		%	3.0	11.1		1
CRUDE FIBER		%	10.2	37.4		1
ETHER EXTRACT		%	0.5	1.9		1
NITROGEN FREE EXTRACT		%	10.3	37.7		1
PROTEIN		%	3.3	11.9		1
CATTLE	DIG PROT	% *	2.2	8.0		
GOATS	DIG PROT	% *	2.1	7.7		
HORSES	DIG PROT	% *	2.1	7.6		
RABBITS	DIG PROT	% *	2.2	7.9		
SHEEP	DIG PROT	% *	2.2	8.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.67	2.44		
SHEEP	DE MCAL/KG	*	0.68	2.49		
CATTLE	ME MCAL/KG	*	0.55	2.00		
SHEEP	ME MCAL/KG	*	0.56	2.04		
CATTLE	NE-M MCAL/KG	*	0.32	1.18		
CATTLE	NE-GAIN MCAL/KG	*	0.13	0.49		
CATTLE	NE-LACTATION MCAL/KG	*	0.33	1.19		
CATTLE	TDN %	*	15.2	55.3		
SHEEP	TDN %	*	15.5	56.5		
CALCIUM		%	0.19	0.69		1
PHOSPHORUS		%	0.11	0.41		1

LASIACIS SORGHOIDEA SORGHOIDEA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-433

DRY MATTER		%	31.3	100.0		1
ORGANIC MATTER		%	27.7	88.5		1
ASH		%	3.6	11.5		1
CRUDE FIBER		%	11.7	37.4		1
ETHER EXTRACT		%	0.7	2.1		1
NITROGEN FREE EXTRACT		%	12.3	39.2		1
PROTEIN		%	3.1	9.8		1
CATTLE	DIG PROT	% *	1.9	6.2		
GOATS	DIG PROT	% *	1.8	5.7		
HORSES	DIG PROT	% *	1.8	5.9		
RABBITS	DIG PROT	% *	2.0	6.2		
SHEEP	DIG PROT	% *	1.9	6.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.72	2.29		
SHEEP	DE MCAL/KG	*	0.77	2.46		
CATTLE	ME MCAL/KG	*	0.59	1.88		
SHEEP	ME MCAL/KG	*	0.63	2.02		
CATTLE	NE-M MCAL/KG	*	0.35	1.11		
CATTLE	NE-GAIN MCAL/KG	*	0.11	0.36		
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.07		
CATTLE	TDN %	*	16.2	51.9		
SHEEP	TDN %	*	17.5	55.8		
CALCIUM		%	0.25	0.79		1
PHOSPHORUS		%	0.15	0.47		1

LATHYRUS SPP, PEAVINE

LATHYRUS SPP, AERIAL PART, FRESH, (2)

REF NO 2-03-669

DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.1		1
ASH		%		6.9		1
CRUDE FIBER		%		19.8		1
ETHER EXTRACT		%		4.4		1
NITROGEN FREE EXTRACT		%		43.4		1
PROTEIN		%		25.5		1
CATTLE	DIG PROT	% *		19.6		
GOATS	DIG PROT	% *		20.4		
HORSES	DIG PROT	% *		19.2		
RABBITS	DIG PROT	% *		18.4		
SHEEP	DIG PROT	% *		20.8		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		3.23		
SHEEP	ME MCAL/KG	*		2.65		
SHEEP	TDN %	*		73.2		

LAURUS PERSEA, LAUREL, PERSEA

LAURUS PERSEA PERSEA, PULP, WET, (1)

REF NO 1-11-376

DRY MATTER		%	25.7	100.0	10	4
ORGANIC MATTER		%	24.6	96.0	12	4
ASH		%	1.0	4.0	12	4
CRUDE FIBER		%	2.1	8.0	12	4
ETHER EXTRACT		%	15.9	62.1	11	4
NITROGEN FREE EXTRACT		%	4.9	19.0	23	4
PROTEIN		%	1.7	6.8	29	4
CATTLE	DIG PROT	% *	0.7	2.8		
GOATS	DIG PROT	% *	0.7	2.9		
HORSES	DIG PROT	% *	0.8	3.3		
RABBITS	DIG PROT	% *	1.0	3.9		
SHEEP	DIG PROT	% *	0.7	2.7		

LEERSIA HEXANDRA, CUTGRASS, CLUBHEAD

LEERSIA HEXANDRA CLUBHEAD, HAY, S-C, (1)

REF NO 1-11-722

DRY MATTER		%	92.3	100.0	2	6
ORGANIC MATTER		%	77.1	83.6		
ASH		%	15.1	16.4	19	6
CRUDE FIBER		%	26.5	28.7	6	6
ETHER EXTRACT		%	2.0	2.2	35	6
NITROGEN FREE EXTRACT		%	41.7	45.2		
PROTEIN		%	6.9	7.5	19	6
CATTLE	DIG PROT	% *	3.2	3.4		
GOATS	DIG PROT	% *	3.3	3.6		
HORSES	DIG PROT	% *	3.6	3.9		
RABBITS	DIG PROT	% *	4.1	4.5		
SHEEP	DIG PROT	% *	3.0	3.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.99	2.16		
HORSES	DE MCAL/KG	*	1.73	1.88		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DE	MCAL/KG *	1.96	2.13		
CATTLE	ME	MCAL/KG *	1.63	1.77		
HORSES	ME	MCAL/KG *	1.42	1.54		
SHEEP	ME	MCAL/KG *	1.61	1.75		
CATTLE	NE-M	MCAL/KG *	0.97	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.24		
CATTLE	NE-LACTATION	MCAL/KG *	0.90	0.97		
CATTLE		TDN % *	45.2	49.0		
HORSES		TDN % *	43.0	46.7		
SHEEP		TDN % *	44.5	48.3		
CALCIUM		%	0.39	0.43	69	6
PHOSPHORUS		%	0.18	0.19	24	6

LEERSIA HEXANDRA CLUBHEAD, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-01-731

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	51.0	100.0		1
ORGANIC MATTER		%	42.2	82.7		1
ASH		%	8.8	17.3		1
CRUDE FIBER		%	19.7	38.7		1
ETHER EXTRACT		%	1.5	2.9		1
NITROGEN FREE EXTRACT		%	15.5	30.3		1
PROTEIN		%	5.5	10.8		1
CATTLE	DIG PROT	% *	3.6	7.1		
GOATS	DIG PROT	% *	3.4	6.6		
HORSES	DIG PROT	% *	3.4	6.7		
RABBITS	DIG PROT	% *	3.6	7.0		
SHEEP	DIG PROT	% *	3.6	7.1		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.24	2.43		
SHEEP	ME	MCAL/KG *	1.02	1.99		
SHEEP		TDN % *	28.1	55.1		
CALCIUM		%	0.13	0.25		1
PHOSPHORUS		%	0.13	0.25		1

LEGUME

LEGUME, HAY, S-C GRNO, (1)

REF NO 1-11-725

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	95.6	100.0		1
ORGANIC MATTER		%	92.4	96.7		
ASH		%	3.2	3.3		1
CRUDE FIBER		%	11.5	12.0		1
ETHER EXTRACT		%	1.5	1.6		1
NITROGEN FREE EXTRACT		%	68.7	71.9		1
PROTEIN		%	10.7	11.2		1
CATTLE	DIG PROT	% *	6.3	6.6		
GOATS	DIG PROT	% *	6.7	7.0		
HORSES	DIG PROT	% *	6.7	7.0		
RABBITS	DIG PROT	% *	7.0	7.3		
SHEEP	DIG PROT	% *	6.3	6.6		

LEGUME, LEAVES, FRESH, (2)

REF NO 2-17-617

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.0		
ASH		%		9.0	25	6
CRUDE FIBER		%		33.3	3	6
ETHER EXTRACT		%		2.1	18	6
NITROGEN FREE EXTRACT		%		42.0	9	6
PROTEIN		%		13.6	24	6
CATTLE	DIG PROT	% *		9.5		
GOATS	DIG PROT	% *		9.3		
HORSES	DIG PROT	% *		9.1		
RABBITS	DIG PROT	% *		9.2		
SHEEP	DIG PROT	% *		9.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.55		
SHEEP	DE	MCAL/KG *		2.62		
CATTLE	ME	MCAL/KG *		2.09		
SHEEP	ME	MCAL/KG *		2.15		
CATTLE	NE-M	MCAL/KG *		1.24		
CATTLE	NE-GAIN	MCAL/KG *		0.58		
CATTLE	NE-LACTATION	MCAL/KG *		1.28		
CATTLE		TDN % *		57.9		
SHEEP		TDN % *		59.4		
CALCIUM		%		1.98	51	6
PHOSPHORUS		%		0.19	71	6

LEPTOCHLOA UNINERVIA, SPRANGLETOP, MEXICAN

LEPTOCHLOA UNINERVIA MEXICAN, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-436

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.5	100.0		1
ORGANIC MATTER		%	19.4	90.0		1
ASH		%	2.2	10.0		1
CRUDE FIBER		%	7.3	33.8		1
ETHER EXTRACT		%	0.3	1.4		1
NITROGEN FREE EXTRACT		%	8.7	40.4		1
PROTEIN		%	3.1	14.4		1
CATTLE	DIG PROT	% *	2.2	10.1		
GOATS	DIG PROT	% *	2.1	10.0		
HORSES	DIG PROT	% *	2.1	9.8		
RABBITS	DIG PROT	% *	2.1	9.8		
SHEEP	DIG PROT	% *	2.2	10.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.67		
SHEEP	DE	MCAL/KG *	0.55	2.56		
CATTLE	ME	MCAL/KG *	0.47	2.19		
SHEEP	ME	MCAL/KG *	0.45	2.10		
CATTLE	NE-M	MCAL/KG *	0.28	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.68		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.37		
CATTLE		TDN % *	13.0	60.5		
SHEEP		TDN % *	12.5	58.0		
CALCIUM		%	0.09	0.43		1
PHOSPHORUS		%	0.05	0.21		1

LEPTOCHLOA VIRGATA, SPRANGLETOP, TROPICS

LEPTOCHLOA VIRGATA TROPICS, AERIAL PART, FRESH, (2)

REF NO 2-10-728

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	54.9	100.0		1
ORGANIC MATTER		%	48.4	88.1		
ASH		%	6.5	11.9		1
CRUDE FIBER		%	13.8	25.1		1
ETHER EXTRACT		%	0.9	1.6		1
NITROGEN FREE EXTRACT		%	28.2	51.4		1
PROTEIN		%	5.5	10.0		1
CATTLE	DIG PROT	% *	3.5	6.4		
GOATS	DIG PROT	% *	3.2	5.9		
HORSES	DIG PROT	% *	3.3	6.0		
RABBITS	DIG PROT	% *	3.5	6.4		
SHEEP	DIG PROT	% *	3.5	6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.48	2.69		
SHEEP	DE	MCAL/KG *	1.47	2.67		
CATTLE	ME	MCAL/KG *	1.21	2.21		
SHEEP	ME	MCAL/KG *	1.20	2.19		
CATTLE	NE-M	MCAL/KG *	0.72	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.38	0.69		
CATTLE	NE-LACTATION	MCAL/KG *	0.76	1.39		
CATTLE		TDN % *	33.5	61.1		
SHEEP		TDN % *	33.3	60.7		

LEPTOCHLOA VIRGATA TROPICS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-437

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.7	100.0		2
ORGANIC MATTER		%	28.8	88.1		2
ASH		%	3.9	11.9		2
CRUDE FIBER		%	10.0	30.6		2
ETHER EXTRACT		%	0.6	1.9		2
NITROGEN FREE EXTRACT		%	15.1	46.4		2
PROTEIN		%	3.0	9.2		2
CATTLE	DIG PROT	% *	1.9	5.7		
GOATS	DIG PROT	% *	1.7	5.1		
HORSES	DIG PROT	% *	1.7	5.3		
RABBITS	DIG PROT	% *	1.9	5.8		
SHEEP	DIG PROT	% *	1.8	5.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.80	2.46		
SHEEP	DE	MCAL/KG *	0.83	2.53		
CATTLE	ME	MCAL/KG *	0.66	2.02		
SHEEP	ME	MCAL/KG *	0.68	2.08		
CATTLE	NE-M	MCAL/KG *	0.39	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.51		
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.21		
CATTLE		TDN % *	18.3	55.9		
SHEEP		TDN % *	18.7	57.4		
CALCIUM		%	0.15	0.45		2
PHOSPHORUS		%	0.10	0.32		2

LEPTOCORYPHIUM LANATUM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
LEPTOCORYPHIUM LANATUM LANATUM, AERIAL PART, FRESH, (2)						
REF NO 2-17-608						
DRY MATTER		%	34.3	100.0		1
PROTEIN		%	2.7	7.8		1
CATTLE	DIG PROT	% *	1.6	4.5		
GOATS	DIG PROT	% *	1.3	3.8		
HORSES	DIG PROT	% *	1.4	4.2		
RABBITS	DIG PROT	% *	1.6	4.7		
SHEEP	DIG PROT	% *	1.5	4.3		
CALCIUM		%	0.05	0.14		1
MAGNESIUM		%	0.11	0.33		1
MANGANESE		MG/KG	42.5	124.0		1
PHOSPHORUS		%	0.04	0.11		1
POTASSIUM		%	0.46	1.33		1
SODIUM		%	0.03	0.07		1
ZINC		MG/KG	18.2	53.0		1
LEPTOCORYPHIUM LANATUM LANATUM, HAY, S-C, (1)						
REF NO 1-11-723						
DRY MATTER		%	91.7	100.0		4
ORGANIC MATTER		%	85.3	93.1		
ASH		%	6.4	7.0	11	4
CRUDE FIBER		%	32.7	35.7	3	4
ETHER EXTRACT		%	1.1	1.2	14	4
NITROGEN FREE EXTRACT		%	48.2	52.6		
PROTEIN		%	3.3	3.6	21	4
CATTLE	DIG PROT	% *				
GOATS	DIG PROT	% *	-0.1	-0.1		
HORSES	DIG PROT	% *	0.5	0.6		
RABBITS	DIG PROT	% *	1.3	1.4		
SHEEP	DIG PROT	% *	-0.2	-0.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.02	2.21		
HORSES	DE	MCAL/KG *	1.22	1.34		
SHEEP	DE	MCAL/KG *	2.01	2.19		
CATTLE	ME	MCAL/KG *	1.66	1.81		
HORSES	ME	MCAL/KG *	1.00	1.10		
SHEEP	ME	MCAL/KG *	1.65	1.80		
CATTLE	NE-M	MCAL/KG *	0.98	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.28		
CATTLE	NE-LACTATION	MCAL/KG *	0.92	1.01		
CATTLE	TDN	% *	45.9	50.0		
HORSES	TDN	% *	29.2	31.9		
SHEEP	TDN	% *	45.6	49.8		
CALCIUM		%	0.25	0.27	48	4
PHOSPHORUS		%	0.18	0.20	27	4
LEPTOGLOSSIS LEPTOCARPA						
LEPTOGLOSSIS LEPTOCARPA LEPTOCARPA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-438						
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	23.2	92.8		1
ASH		%	1.8	7.2		1
CRUDE FIBER		%	7.5	29.8		1
ETHER EXTRACT		%	0.8	3.2		1
NITROGEN FREE EXTRACT		%	9.9	39.5		1
PROTEIN		%	5.1	20.3		1
CATTLE	DIG PROT	% *	3.8	15.1		
GOATS	DIG PROT	% *	3.9	15.5		
HORSES	DIG PROT	% *	3.7	14.8		
RABBITS	DIG PROT	% *	3.6	14.3		
SHEEP	DIG PROT	% *	4.0	15.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.71	2.85		
SHEEP	DE	MCAL/KG *	0.72	2.87		
CATTLE	ME	MCAL/KG *	0.58	2.34		
SHEEP	ME	MCAL/KG *	0.59	2.35		
CATTLE	NE-M	MCAL/KG *	0.35	1.40		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.81		
CATTLE	NE-LACTATION	MCAL/KG *	0.38	1.51		
CATTLE	TDN	% *	16.2	64.6		
SHEEP	TDN	% *	16.2	65.0		
CALCIUM		%	0.[illegible]9	1.16		1
PHOSPHORUS		%	0.06	0.25		1
LESPEDEZA SPP, LESPEDEZA						
LESPEDEZA SPP, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-02-540						
DRY MATTER		%		100.0		
CALCIUM		%		(1.35)		1
IRON		%		(0.025)		1
MAGNESIUM		%		(0.27)		1
MANGANESE		MG/KG		(94.6)		1
PHOSPHORUS		%		(0.21)		1
POTASSIUM		%		1.12		1
LESQUERELLA SPP, BLADDERPOD						
LESQUERELLA SPP, AERIAL PART, FRESH, (2)						
REF NO 2-13-361						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.7		
ASH		%		13.3		1
CRUDE FIBER		%		16.6		1
ETHER EXTRACT		%		1.5		1
NITROGEN FREE EXTRACT		%		48.1		1
PROTEIN		%		20.5		1
CATTLE	DIG PROT	% *		15.3		
GOATS	DIG PROT	% *		15.7		
HORSES	DIG PROT	% *		14.9		
RABBITS	DIG PROT	% *		14.5		
SHEEP	DIG PROT	% *		16.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.75		
SHEEP	DE	MCAL/KG *		2.91		
CATTLE	ME	MCAL/KG *		2.25		
SHEEP	ME	MCAL/KG *		2.38		
CATTLE	NE-M	MCAL/KG *		1.34		
CATTLE	NE-GAIN	MCAL/KG *		0.74		
CATTLE	NE-LACTATION	MCAL/KG *		1.43		
CATTLE	TDN	% *		62.3		
SHEEP	TDN	% *		65.9		
LEUCAENA GLAUCA, LEADTREE, WHITEPOPINAC						
LEUCAENA GLAUCA WHITEPOPINAC, AERIAL PART, FRESH, (2) KOA HAOLE						
REF NO 2-08-451						
DRY MATTER		%	22.3	100.0		2
ORGANIC MATTER		%	20.6	92.5		
ASH		%	1.7	7.5		2
CRUDE FIBER		%	4.4	19.9		2
ETHER EXTRACT		%	0.6	2.5		2
NITROGEN FREE EXTRACT		%	9.3	41.7		2
PROTEIN		%	6.3	28.3		2
CATTLE	DIG PROT	% *	4.9	22.0		
GOATS	DIG PROT	% *	5.1	23.0		
HORSES	DIG PROT	% *	4.8	21.6		
RABBITS	DIG PROT	% *	4.6	20.6		
SHEEP	DIG PROT	% *	5.2	23.4		
LEUCAENA GLAUCA WHITEPOPINAC, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-439						
DRY MATTER		%	26.7	100.0		1
ORGANIC MATTER		%	24.9	93.1		1
ASH		%	1.8	6.9		1
CRUDE FIBER		%	5.5	20.7		1
ETHER EXTRACT		%	0.7	2.7		1
NITROGEN FREE EXTRACT		%	10.8	40.5		1
PROTEIN		%	7.8	29.2		1
CATTLE	DIG PROT	% *	6.1	22.7		
GOATS	DIG PROT	% *	6.4	23.8		
HORSES	DIG PROT	% *	6.0	22.3		
RABBITS	DIG PROT	% *	5.7	21.2		
SHEEP	DIG PROT	% *	6.5	24.2		
CALCIUM		%	0.25	0.94		1
PHOSPHORUS		%	0.10	0.37		1
LEUCAENA GLAUCA WHITEPOPINAC, SEEDS, (5)						
REF NO 5-11-724						
DRY MATTER		%	89.4	100.0		1
ORGANIC MATTER		%	85.3	95.4		1
ASH		%	4.1	4.6		1
CRUDE FIBER		%	11.8	13.2		1
ETHER EXTRACT		%	6.1	6.8		1
NITROGEN FREE EXTRACT		%	42.6	47.7		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
PROTEIN	%	24.8	27.7	1
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.01	3.37	
SHEEP	DE MCAL/KG *	3.27	3.66	
CATTLE	ME MCAL/KG *	2.47	2.77	
SHEEP	ME MCAL/KG *	2.68	3.00	
CATTLE	NE-M MCAL/KG *	1.56	1.74	
CATTLE	NE-GAIN MCAL/KG *	1.03	1.15	
CATTLE	NE-LACTATION MCAL/KG *	1.71	1.92	
CATTLE	TDN % *	68.4	76.5	
SHEEP	TDN % *	74.2	83.0	
CALCIUM	%	0.29	0.32	1
IRON	%	0.009	0.010	1
PHOSPHORUS	%	1.00	1.12	1

LEUCAENA LEUCOCEPHALA, LEADTHEE, LEUCOCEPHALA

LEUCAENA LEUCOCEPHALA LEUCOCEPHALA, AERIAL PART, FRESH, (2)

REF NO 2-11-439

DRY MATTER	%	27.4	100.0	1
ORGANIC MATTER	%	25.3	92.4	1
ASH	%	2.1	7.6	1
CRUDE FIBER	%	5.0	18.2	1
ETHER EXTRACT	%	1.6	5.8	1
NITROGEN FREE EXTRACT	%	12.7	46.3	1
PROTEIN	%	6.0	22.1	1
CATTLE	DIG PROT % *	4.6	16.7	
GOATS	DIG PROT % *	4.7	17.2	
HORSES	DIG PROT % *	4.5	16.3	
RABBITS	DIG PROT % *	4.3	15.7	
SHEEP	DIG PROT % *	4.8	17.6	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.91	3.32	
SHEEP	ME MCAL/KG *	0.75	2.72	
SHEEP	TDN % *	20.6	75.3	
CALCIUM	%	0.60	2.20	1
IRON	%	0.005	0.017	1
PHOSPHORUS	%	0.05	0.17	1

LEUCAENA SPP, LEADTHEE

LEUCAENA [illegible] SE, DEMY, (1)

REF NO

DRY MAT[illegible]	%	94.3	100.0	1
ORGANIC MATTER	%	90.6	96.1	
ASH	%	3.7	3.9	1
CRUDE FIBER	%	29.3	31.1	1
ETHER EXTRACT	%	3.4	3.6	1
NITROGEN FREE EXTRACT	%	41.2	43.7	1
PROTEIN	%	16.7	17.7	1
CATTLE	DIG PROT % *	11.6	12.3	
GOATS	DIG PROT % *	12.3	13.1	
HORSES	DIG PROT % *	11.8	12.6	
RABBITS	DIG PROT % *	11.6	12.3	
SHEEP	DIG PROT % *	11.7	12.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.57	2.73	
HORSES	DE MCAL/KG *	1.66	1.76	
SHEEP	DE MCAL/KG *	2.53	2.68	
CATTLE	ME MCAL/KG *	2.11	2.24	
HORSES	ME MCAL/KG *	1.36	1.44	
SHEEP	ME MCAL/KG *	2.07	2.20	
CATTLE	NE-M MCAL/KG *	1.25	1.33	
CATTLE	NE-GAIN MCAL/KG *	0.68	0.72	
CATTLE	NE-LACTATION MCAL/KG *	1.34	1.42	
CATTLE	TDN % *	58.4	61.9	
HORSES	TDN % *	41.1	43.6	
SHEEP	TDN % *	57.3	60.8	

LEUCOPHYLLUM FRUTESCENS, SILVERLEAF, TEXAS

LEUCOPHYLLUM FRUTESCENS TEXAS, BROWSE, FRESH, (2)

REF NO 2-13-388

DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.0	
ASH	%		5.0	1
CRUDE FIBER	%		26.7	1
ETHER EXTRACT	%		5.3	1
NITROGEN FREE EXTRACT	%		50.8	1
PROTEIN	%		12.2	1
CATTLE	DIG PROT % *		8.3	
GOATS	DIG PROT % *		7.9	
HORSES	DIG PROT % *		7.9	
RABBITS	DIG PROT % *		8.1	
SHEEP	DIG PROT % *		8.4	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		4.25	
SHEEP	DE MCAL/KG *		2.84	
CATTLE	ME MCAL/KG *		3.49	
SHEEP	ME MCAL/KG *		2.33	
CATTLE	NE-M MCAL/KG *		2.51	
CATTLE	NE-GAIN MCAL/KG *		1.58	
CATTLE	NE-LACTATION MCAL/KG *		2.61	
CATTLE	TDN % *		96.4	
SHEEP	TDN % *		64.5	

LIABUM OVATUM

LIABUM OVATUM OVATUM, AERIAL PART, FRESH, (2)

REF NO 2-13-344

DRY MATTER	%		100.0	
ORGANIC MATTER	%		76.9	
ASH	%		23.1	1
ETHER EXTRACT	%		4.7	1
PROTEIN	%		16.3	1
CATTLE	DIG PROT % *		11.7	
GOATS	DIG PROT % *		11.7	
HORSES	DIG PROT % *		11.3	
RABBITS	DIG PROT % *		11.2	
SHEEP	DIG PROT % *		12.1	

LIABUM OVATUM OVATUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-345

DRY MATTER	%		100.0	
DM IN VITRO (TILLY) DIG COEF	%		73.	1
CELL WALLS (VAN SOEST)	%		34.5	1
CELL WALLS IN VITRO DIG COEF	%		22.	1
CELLULOSE (VAN SOEST)	%		15.8	1
FIBER, ACID DETERGENT (VS)	%		32.9	1
HEMICELLULOSE	%		1.6	1
LIGNIN KMNO4 (VS)	%		13.2	1

LIABUM OVATUM OVATUM, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)

REF NO 2-13-385

DRY MATTER	%		100.0	
DM IN VITRO (TILLY) DIG COEF	%		76.	1
CELL WALLS (VAN SOEST)	%		36.3	1
CELL WALLS IN VITRO DIG COEF	%		34.	1
CELLULOSE (VAN SOEST)	%		16.2	1
FIBER, ACID DETERGENT (VS)	%		31.1	1
HEMICELLULOSE	%		5.2	1
LIGNIN KMNO4 (VS)	%		13.6	1

LIABUM SPP, LIABUM

LIABUM SPP, AERIAL PART, FRESH, (2)

REF NO 2-13-386

DRY MATTER	%		100.0	
ORGANIC MATTER	%		86.5	
ASH	%		13.5	1
CRUDE FIBER	%		30.2	1
ETHER EXTRACT	%		3.0	1
NITROGEN FREE EXTRACT	%		36.2	1
PROTEIN	%		17.1	1
CATTLE	DIG PROT % *		12.4	
GOATS	DIG PROT % *		12.5	
HORSES	DIG PROT % *		12.0	
RABBITS	DIG PROT % *		11.9	
SHEEP	DIG PROT % *		12.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.43	
SHEEP	DE MCAL/KG *		2.65	
CATTLE	ME MCAL/KG *		2.00	
SHEEP	ME MCAL/KG *		2.17	
CATTLE	NE-M MCAL/KG *		1.18	
CATTLE	NE-GAIN MCAL/KG *		0.48	
CATTLE	NE-LACTATION MCAL/KG *		1.19	
CATTLE	TDN % *		55.2	
SHEEP	TDN % *		60.1	

LIMESTONE

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
LIMESTONE- GRND, MN 33% CALCIUM, (6)					
LIMESTONE, GROUND (AAFCO)					
REF NO 6-02-632					
DRY MATTER	%	97.4	100.0	4	8
ORGANIC MATTER	%	5.2	5.4		
ASH	%	92.2	94.6	7	4
CALCIUM	%	(36.83)	(37.82)	7	6
CHLORINE	%	(0.02)	(0.03)		2
IODINE	MG/KG	(0.005)	(0.006)		1
IRON	%	(0.340)	(0.350)		2
MAGNESIUM	%	(2.01)	(2.06)		2
MANGANESE	MG/KG	(247.2)	(253.8)		3
PHOSPHORUS	%	(0.01)	(0.02)		2
POTASSIUM	%	(0.11)	(0.12)		2
SODIUM	%	(0.05)	(0.06)		2
SULPHUR	%	0.04	0.04		1
LINSEED CAKE (CFA)					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND CAKED, COMMERCIAL MX 0.5% ACID INSOLUBLE ASH, (5)					
LINSEED MEAL, MECHANICAL EXTRACTED (AAFCO)					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND, MX 10% FIBER, (5)					
LINSEED MEAL, SOLVENT EXTRACTED (AAFCO)					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, SOLV EXTD GRND, MX 10% FIBER, (5)					
LINSEED MEAL (CFA)					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND, MX 10% FIBER, (5)					
LINSEED OIL MEAL, EXPELLER EXTRACTED					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND, MX 10% FIBER, (5)					
LINSEED OIL MEAL, HYDRAULIC EXTRACTED					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND, MX 10% FIBER, (5)					
LINSEED OIL MEAL, OLD PROCESS					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND, MX 10% FIBER, (5)					
LINSEED OIL MEAL, SOLVENT EXTRACTED					
-SEE LINUM USITATISSIMUM COMMON, SEEDS, SOLV EXTD GRND, MX 10% FIBER, (5)					
LINUM USITATISSIMUM, FLAX, COMMON					
LINUM USITATISSIMUM COMMON, STRAW, (1)					
REF NO 1-02-038					
DRY MATTER	%	89.9	100.0		1
ORGANIC MATTER	%	82.0	91.2		
ASH	%	7.9	8.8		1
CRUDE FIBER	%	39.1	43.5		1
ETHER EXTRACT	%	2.2	2.4		1
NITROGEN FREE EXTRACT	%	27.1	30.2		1
PROTEIN	%	13.6	15.1		1
CATTLE DIG PROT	% *	9.0	10.0		
GOATS DIG PROT	% *	9.6	10.6		
HORSES DIG PROT	% *	9.3	10.3		
RABBITS DIG PROT	% *	9.3	10.3		
SHEEP DIG PROT	% *	9.1	10.1		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	2.03	2.26		
SHEEP ME	MCAL/KG *	1.67	1.85		
SHEEP TDN	% *	46.1	51.3		
LINUM USITATISSIMUM COMMON, SEEDS, (5)					
REF NO 5-02-052					
DRY MATTER	%	94.4	100.0		1
ORGANIC MATTER	%	91.4	93.8		
ASH	%	3.0	3.2		1
CRUDE FIBER	%	6.0	6.4		1
ETHER EXTRACT	%	44.7	47.3		1
NITROGEN FREE EXTRACT	%	19.9	21.1		1
PROTEIN	%	20.8	22.0		1
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	5.45	5.77		
SHEEP ME	MCAL/KG *	4.47	4.73		
SHEEP TDN	% *	123.5	130.8		
LINUM USITATISSIMUM COMMON, SEEDS, COOKED MECH EXTD GRND, (5)					
REF NO 5-13-205					
DRY MATTER	%	93.1	100.0	2	27
CRUDE FIBER	%	9.4	10.1	9	26
ETHER EXTRACT	%	5.6	6.0	12	15
PROTEIN	%	33.6	36.1	2	27
LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND, MX 10% FIBER, (5)					
LINSEED MEAL (CFA)					
LINSEED MEAL, MECHANICAL EXTRACTED (AAFCO)					
LINSEED OIL MEAL, EXPELLER EXTRACTED					
LINSEED OIL MEAL, HYDRAULIC EXTRACTED					
LINSEED OIL MEAL, OLD PROCESS					
REF NO 5-02-045					
DRY MATTER	%	90.9	100.0		25
ORGANIC MATTER	%	85.2	93.8		
ASH	%	5.6	6.2	3	10
CRUDE FIBER	%	8.7	9.5	13	11
CATTLE DIG COEF	%	28.	28.		1
SWINE DIG COEF	%	20.	20.		1
ETHER EXTRACT	%	4.3	4.8	35	12
CATTLE DIG COEF	%	89.	89.		1
SWINE DIG COEF	%	62.	62.		1
NITROGEN FREE EXTRACT	%	38.3	42.1	13	9
CATTLE DIG COEF	%	82.	82.		1
SWINE DIG COEF	%	80.	80.		1
PROTEIN	%	33.9	37.3	7	14
CATTLE DIG COEF	%	88.	88.		1
SWINE DIG COEF	%	90.	90.		1
CATTLE DIG PROT	%	29.8	32.9		
SWINE DIG PROT	%	30.5	33.6		
ENERGY GE	KCAL/KG	1927.	2121.		1
CATTLE DE	MCAL/KG *	3.19	3.51		
SHEEP DE	MCAL/KG *	3.28	3.61		
SWINE DE	KCAL/KG *	3040.	3345.		
CATTLE ME	MCAL/KG *	2.62	2.88		
CHICKENS ME-N	KCAL/KG	1524.	1677.		2
SHEEP ME	MCAL/KG *	2.69	2.96		
SWINE ME	KCAL/KG	2423.	2667.		1
CATTLE ME-M	MCAL/KG *	1.68	1.84		
CATTLE NE-GAIN	MCAL/KG *	1.12	1.23		
CATTLE NE-LACTATION	MCAL/KG *	(1.84)	(2.03)		
CHICKENS PRODUCTIVE	KCAL/KG	1126.	1240.		2
CATTLE TDN	%	72.4	79.6		1
SHEEP TDN	% *	74.3	81.8		
SWINE TDN	%	(68.9)	(75.9)		2
CALCIUM	%	(0.39)	(0.43)	14	8
CHLORINE	%	(0.04)	(0.04)		2
COBALT	MG/KG	(0.427)	(0.471)		1
COPPER	MG/KG	(27.9)	(30.7)		3
IODINE	MG/KG	(0.074)	(0.081)		1
IRON	%	(0.048)	(0.053)		3
MAGNESIUM	%	(0.57)	(0.63)	5	4
MANGANESE	MG/KG	(38.2)	(42.1)	4	4
PHOSPHORUS	%	(0.84)	(0.93)	6	8
CHICKENS, CHICKS AVAILABLE	%	(0.27)	(0.30)		1
POTASSIUM	%	(1.25)	(1.37)		3
SELENIUM	MG/KG	(0.808)	(0.889)		1
SODIUM	%	(0.09)	(0.10)		3
SULPHUR	%	(0.36)	(0.39)		3
A-TOCOPHEROL	MG/KG	(7.8)	(8.6)		1
CHOLINE	MG/KG	(1697.)	(1868.)	5	6
FOLIC ACID	MG/KG	(2.83)	(3.11)		2
NIACIN	MG/KG	37.9	41.7	15	8
PANTOTHENIC ACID	MG/KG	(12.8)	(14.1)	22	11
RIBOFLAVIN	MG/KG	3.5	3.8	33	8
THIAMINE	MG/KG	5.3	5.9	74	6
VITAMIN A EQUIV	IU/G	(0.3)	(0.3)		
ARGININE	%	(2.99)	(3.29)	9	5
CYSTINE	%	(0.63)	(0.69)	7	5
GLYCINE	%	(1.62)	(1.78)		1
HISTIDINE	%	(0.65)	(0.72)		3

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ISOLEUCINE	%	(1.72)	(1.89)		3
LEUCINE	%	(2.03)	(2.24)		2
LYSINE	%	(1.20)	(1.32)	4	5
METHIONINE	%	(0.58)	(0.64)	14	6
PHENYLALANINE	%	(1.49)	(1.64)		3
THREONINE	%	(1.19)	(1.31)		3
TRYPTOPHAN	%	(0.55)	(0.60)	10	6
TYROSINE	%	(0.98)	(1.08)		1
VALINE	%	1.68	1.85		3

LINUM USITATISSIMUM COMMON, SEEDS, MECH EXTD GRND CAKED, COMMERCIAL MX 0.5% ACID INSOLUBLE ASH, (5)
LINSEED CAKE (CFA)

REF NO 5-02-043

DRY MATTER	%	89.7	100.0		2
ORGANIC MATTER	%	84.5	94.2		
ASH	%	5.2	5.8		1
CRUDE FIBER	%	8.8	9.8		1
ETHER EXTRACT	%	3.4	3.8		1
NITROGEN FREE EXTRACT	%	38.4	42.9		1
PROTEIN	%	33.8	37.8		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.12	3.48		
SHEEP	DE MCAL/KG *	3.23	3.60		
CATTLE	ME MCAL/KG *	2.56	2.85		
SHEEP	ME MCAL/KG *	2.65	2.95		
CATTLE	NE-M MCAL/KG *	1.63	1.82		
CATTLE	NE-GAIN MCAL/KG *	1.09	1.21		
CATTLE	NE-LACTATION MCAL/KG *	1.80	2.00		
CATTLE	TDN % *	70.8	78.9		
SHEEP	TDN % *	73.3	81.7		

LINUM USITATISSIMUM COMMON, SEEDS, SOLV EXTD GRND, MX 10% FIBER, (5)
SOLVENT EXTRACTED LINSEED MEAL (CFA)
LINSEED OIL MEAL, SOLVENT EXTRACTED
LINSEED MEAL, SOLVENT EXTRACTED (AAFCO)

REF NO 5-02-048

DRY MATTER	%	90.4	100.0	1	11
ORGANIC MATTER	%	84.8	93.8		
ASH	%	5.7	6.2	6	7
SHEEP	DIG COEF %	18.	18.		
CRUDE FIBER	%	12.0	13.3	76	9
SHEEP	DIG COEF %	43.	43.		1
ETHER EXTRACT	%	2.3	2.6	98	8
SHEEP	DIG COEF %	92.	92.		1
NITROGEN FREE EXTRACT	%	35.9	39.7	3	7
SHEEP	DIG COEF %	85.	85.		1
PROTEIN	%	34.5	38.1	9	8
SHEEP	DIG COEF %	87.	87.		1
SHEEP	DIG PROT %	30.0	33.2		
ENERGY	GE KCAL/KG	1907.	2109.		1
CATTLE	DE MCAL/KG *	2.82	3.12		
SHEEP	DE MCAL/KG *	3.11	3.44		
SWINE	DE KCAL/KG *	2845.	3146.		
CATTLE	ME MCAL/KG *	2.32	2.56		
CHICKENS	ME-N KCAL/KG	1427.	1570.		2
SHEEP	ME MCAL/KG *	2.55	2.82		
SWINE	ME KCAL/KG	2048.	2265.		1
CATTLE	NE-M MCAL/KG *	1.42	1.57		
CATTLE	NE-GAIN MCAL/KG *	0.90	1.00		
CATTLE	NE-LACTATION MCAL/KG *	(1.56)	(1.72)		
CHICKENS	PRODUCTIVE KCAL/KG	1003.	1109.		2
CATTLE	TDN % *	64.1	70.8		
SHEEP	TDN %	70.6	78.0		1
SWINE	TDN %	(64.5)	(71.3)		1
CALCIUM	%	(0.39)	(0.43)	4	6
CHLORINE	%	(0.04)	(0.04)		2
COBALT	MG/KG	(0.169)	(0.187)		1
COPPER	MG/KG	(25.9)	(28.6)		3
IRON	%	(0.032)	(0.036)		3
MAGNESIUM	%	(0.60)	(0.67)		3
MANGANESE	MG/KG	(37.8)	(41.8)		3
PHOSPHORUS	%	(0.81)	(0.90)	2	6
CHICKENS, CHICKS AVAILABLE	%	(0.25)	(0.27)		1
POTASSIUM	%	(1.39)	(1.54)		2
SELENIUM	MG/KG	(0.819)	(0.906)		1
SODIUM	%	(0.14)	(0.16)		3
A-TOCOPHEROL	MG/KG	(5.9)	(6.6)		1
CHOLINE	MG/KG	(1372.)	(1517.)	20	4
NIACIN	MG/KG	(27.5)	(30.5)	29	6
PANTOTHENIC ACID	MG/KG	(11.9)	(13.1)	36	4
RIBOFLAVIN	MG/KG	(2.7)	(3.0)	44	6
THIAMINE	MG/KG	(6.7)	(7.5)	56	4
ARGININE	%	(3.13)	(3.47)	8	4
CYSTINE	%	(0.64)	(0.70)		3
GLYCINE	%	(1.74)	(1.93)		1
HISTIDINE	%	(0.69)	(0.76)		2
ISOLEUCINE	%	(1.76)	(1.94)		2
LEUCINE	%	(2.18)	(2.41)		1
LYSINE	%	(1.21)	(1.34)	6	4
METHIONINE	%	(0.57)	(0.63)	9	4
PHENYLALANINE	%	(1.59)	(1.76)		2
THREONINE	%	(1.31)	(1.44)		2
TRYPTOPHAN	%	(0.56)	(0.62)	10	4
VALINE	%	1.83	2.03		2

LIPPIA OREGANOIDES

LIPPIA OREGANOIDES OREGANOIDES, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-440

DRY MATTER	%	49.4	100.0	1
ORGANIC MATTER	%	45.7	92.6	1
ASH	%	3.7	7.4	1
CRUDE FIBER	%	10.4	21.0	1
ETHER EXTRACT	%	1.4	2.9	1
NITROGEN FREE EXTRACT	%	27.5	55.6	1
PROTEIN	%	6.5	13.1	1
CATTLE	DIG PROT % *	4.5	9.0	
GOATS	DIG PROT % *	4.3	8.8	
HORSES	DIG PROT % *	4.3	8.7	
RABBITS	DIG PROT % *	4.3	8.8	
SHEEP	DIG PROT % *	4.5	9.2	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.72	3.47	
SHEEP	DE MCAL/KG *	1.48	2.99	
CATTLE	ME MCAL/KG *	1.41	2.85	
SHEEP	ME MCAL/KG *	1.21	2.45	
CATTLE	NE-M MCAL/KG *	0.90	1.82	
CATTLE	NE-GAIN MCAL/KG *	0.60	1.21	
CATTLE	NE-LACTATION MCAL/KG *	0.99	2.00	
CATTLE	TDN % *	38.9	78.8	
SHEEP	TDN % *	33.5	67.8	
CALCIUM	%	0.56	1.13	1
PHOSPHORUS	%	0.13	0.27	1

LIPPIA OREGANOIDES OREGANOIDES, LEAVES, FRESH, (2)

REF NO 2-11-546

DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.0	
ASH	%		5.0	1
CRUDE FIBER	%		26.1	1
ETHER EXTRACT	%		2.0	1
NITROGEN FREE EXTRACT	%		57.2	1
PROTEIN	%		9.7	1
CATTLE	DIG PROT % *		6.1	
GOATS	DIG PROT % *		5.6	
HORSES	DIG PROT % *		5.8	
RABBITS	DIG PROT % *		6.2	
SHEEP	DIG PROT % *		6.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.95	
SHEEP	DE MCAL/KG *		2.86	
CATTLE	ME MCAL/KG *		2.42	
SHEEP	ME MCAL/KG *		2.35	
CATTLE	NE-M MCAL/KG *		1.46	
CATTLE	NE-GAIN MCAL/KG *		0.89	
CATTLE	NE-LACTATION MCAL/KG *		1.59	
CATTLE	TDN % *		67.0	
SHEEP	TDN % *		65.0	

LIPPIA SPP. LIPPIA

LIPPIA SPP, BROWSE, FRESH, (2)

REF NO 2-11-545

DRY MATTER	%	43.0	100.0	1
ORGANIC MATTER	%	33.9	78.9	
ASH	%	9.1	21.1	2
CRUDE FIBER	%	9.3	21.6	2
ETHER EXTRACT	%	1.3	3.1	2
NITROGEN FREE EXTRACT	%	15.5	36.1	2
PROTEIN	%	7.8	18.3	2
CATTLE	DIG PROT % *	5.8	13.4	
GOATS	DIG PROT % *	5.8	13.6	
HORSES	DIG PROT % *	5.6	13.0	
RABBITS	DIG PROT % *	5.5	12.8	
SHEEP	DIG PROT % *	6.0	14.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.89	2.07	
SHEEP	DE MCAL/KG *	1.10	2.55	
CATTLE	ME MCAL/KG *	0.73	1.70	
SHEEP	ME MCAL/KG *	0.90	2.09	
CATTLE	NE-M MCAL/KG *	0.43	1.01	
CATTLE	NE-GAIN MCAL/KG *	0.06	0.15	
CATTLE	NE-LACTATION MCAL/KG *	0.39	0.90	
CATTLE	TDN % *	20.2	47.0	
SHEEP	TDN % *	24.9	57.9	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
LIVER MEAL				
*SEE ANIMAL, LIVERS, DEHY GRND, (5)				

LOLIUM MULTIFLORUM, RYEGRASS, ITALIAN TETRONE

LOLIUM MULTIFLORUM ITALIAN TETRONE, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-531

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	23.5	100.0	1
ORGANIC MATTER	%	20.5	87.4	
ASH	%	3.0	12.6	1
CRUDE FIBER	%	5.7	24.3	1
ETHER EXTRACT	%	1.1	4.5	1
NITROGEN FREE EXTRACT	%	10.9	46.3	1
PROTEIN	%	2.9	12.3	1
CATTLE DIG PROT	% *	2.0	8.3	
GOATS DIG PROT	% *	1.9	8.0	
HORSES DIG PROT	% *	1.9	8.0	
RABBITS DIG PROT	% *	1.9	8.2	
SHEEP DIG PROT	% *	2.0	8.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.75	3.17	
SHEEP DE	MCAL/KG *	0.64	2.72	
CATTLE ME	MCAL/KG *	0.61	2.60	
SHEEP ME	MCAL/KG *	0.53	2.23	
CATTLE NE-M	MCAL/KG *	0.38	1.60	
CATTLE NE-GAIN	MCAL/KG *	0.24	1.03	
CATTLE NE-LACTATION	MCAL/KG *	0.41	1.76	
CATTLE	TDN % *	16.9	71.9	
SHEEP	TDN % *	14.5	61.8	
CALCIUM	%	0.12	0.51	1
COPPER	MG/KG	2.3	9.9	1
IRON	%	0.013	0.055	1
MAGNESIUM	%	0.04	0.18	1
MANGANESE	MG/KG	13.3	56.4	1
PHOSPHORUS	%	0.06	0.27	1
POTASSIUM	%	0.40	1.72	1
SODIUM	%	0.03	0.13	1

LOLIUM MULTIFLORUM ITALIAN TETRONE, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)

REF NO 2-10-532

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	19.0	100.0	1
ORGANIC MATTER	%	17.1	89.8	
ASH	%	1.9	10.2	1
CRUDE FIBER	%	5.1	27.0	1
ETHER EXTRACT	%	0.6	3.3	1
NITROGEN FREE EXTRACT	%	9.6	50.5	1
PROTEIN	%	1.7	9.0	1
CATTLE DIG PROT	% *	1.1	5.5	
GOATS DIG PROT	% *	0.9	5.0	
HORSES DIG PROT	% *	1.0	5.2	
RABBITS DIG PROT	% *	1.1	5.6	
SHEEP DIG PROT	% *	1.0	5.4	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.55	2.89	
SHEEP DE	MCAL/KG *	0.51	2.68	
CATTLE ME	MCAL/KG *	0.45	2.37	
SHEEP ME	MCAL/KG *	0.42	2.20	
CATTLE NE-M	MCAL/KG *	0.27	1.42	
CATTLE NE-GAIN	MCAL/KG *	0.16	0.84	
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.54	
CATTLE	TDN % *	12.5	65.6	
SHEEP	TDN % *	11.5	60.8	

LOLIUM MULTIFLORUM ITALIAN TETRONE, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-10-528

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.3	100.0	1
ORGANIC MATTER	%	19.8	88.6	
ASH	%	2.5	11.4	1
CRUDE FIBER	%	5.8	26.1	1
ETHER EXTRACT	%	1.1	4.8	1
NITROGEN FREE EXTRACT	%	9.5	42.8	1
PROTEIN	%	3.3	14.9	1
CATTLE DIG PROT	% *	2.4	10.6	
GOATS DIG PROT	% *	2.3	10.5	
HORSES DIG PROT	% *	2.3	10.2	
RABBITS DIG PROT	% *	2.3	10.2	
SHEEP DIG PROT	% *	2.4	10.9	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.69	3.07	
SHEEP DE	MCAL/KG *	0.62	2.79	
CATTLE ME	MCAL/KG *	0.56	2.52	
SHEEP ME	MCAL/KG *	0.51	2.29	
CATTLE NE-M	MCAL/KG *	0.34	1.54	
CATTLE NE-GAIN	MCAL/KG *	0.22	0.97	
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.69	
CATTLE	TDN % *	15.5	69.7	
SHEEP	TDN % *	14.1	63.3	
CALCIUM	%	0.09	0.42	1
COPPER	MG/KG	2.0	9.0	1
IRON	%	0.005	0.021	1
MAGNESIUM	%	0.03	0.13	1
MANGANESE	MG/KG	8.9	40.1	1
PHOSPHORUS	%	0.05	0.24	1
POTASSIUM	%	0.47	2.11	1
SODIUM	%	0.01	0.06	1

LOLIUM MULTIFLORUM ITALIAN TETRONE, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)

REF NO 2-10-529

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.8	100.0	2
ORGANIC MATTER	%	20.3	89.1	
ASH	%	2.5	10.9	2
CRUDE FIBER	%	7.1	31.0	2
ETHER EXTRACT	%	1.0	4.2	2
NITROGEN FREE EXTRACT	%	9.6	42.3	2
PROTEIN	%	2.6	11.6	2
CATTLE DIG PROT	% *	1.8	7.8	
GOATS DIG PROT	% *	1.7	7.4	
HORSES DIG PROT	% *	1.7	7.4	
RABBITS DIG PROT	% *	1.7	7.6	
SHEEP DIG PROT	% *	1.8	7.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.60	2.65	
SHEEP DE	MCAL/KG *	0.60	2.64	
CATTLE ME	MCAL/KG *	0.49	2.17	
SHEEP ME	MCAL/KG *	0.49	2.16	
CATTLE NE-M	MCAL/KG *	0.29	1.28	
CATTLE NE-GAIN	MCAL/KG *	0.15	0.66	
CATTLE NE-LACTATION	MCAL/KG *	0.31	1.35	
CATTLE	TDN % *	13.7	60.0	
SHEEP	TDN % *	13.7	59.9	

LOLIUM MULTIFLORUM ITALIAN TETRONE, AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)

REF NO 2-10-530

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	22.3	89.2	
ASH	%	2.7	10.8	1
CRUDE FIBER	%	7.6	30.3	1
ETHER EXTRACT	%	0.8	3.3	1
NITROGEN FREE EXTRACT	%	11.8	47.3	1
PROTEIN	%	2.1	8.3	1
CATTLE DIG PROT	% *	1.2	4.9	
GOATS DIG PROT	% *	1.1	4.3	
HORSES DIG PROT	% *	1.1	4.6	
RABBITS DIG PROT	% *	1.3	5.1	
SHEEP DIG PROT	% *	1.2	4.7	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.64	2.57	
SHEEP DE	MCAL/KG *	0.65	2.58	
CATTLE ME	MCAL/KG *	0.53	2.11	
SHEEP ME	MCAL/KG *	0.53	2.12	
CATTLE NE-M	MCAL/KG *	0.31	1.25	
CATTLE NE-GAIN	MCAL/KG *	0.15	0.60	
CATTLE NE-LACTATION	MCAL/KG *	0.32	1.29	
CATTLE	TDN % *	14.6	58.3	
SHEEP	TDN % *	14.6	58.5	

LOLIUM MULTIFLORUM ITALIAN TETRONE, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-10-524

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	14.0	100.0	1
ORGANIC MATTER	%	12.6	90.3	
ASH	%	1.4	9.7	1
CRUDE FIBER	%	3.6	25.8	1
ETHER EXTRACT	%	0.5	3.8	1
NITROGEN FREE EXTRACT	%	5.6	39.9	1
PROTEIN	%	2.9	20.8	1
CATTLE DIG PROT	% *	2.2	15.6	
GOATS DIG PROT	% *	2.2	16.0	
HORSES DIG PROT	% *	2.1	15.2	
RABBITS DIG PROT	% *	2.1	14.7	
SHEEP DIG PROT	% *	2.3	16.4	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.40	2.89	
SHEEP DE	MCAL/KG *	0.41	2.91	
CATTLE ME	MCAL/KG *	0.33	2.37	
SHEEP ME	MCAL/KG *	0.33	2.38	
CATTLE NE-M	MCAL/KG *	0.20	1.42	
CATTLE NE-GAIN	MCAL/KG *	0.12	0.84	
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.54	
CATTLE	TDN % *	9.2	65.5	
SHEEP	TDN % *	9.2	66.0	
CALCIUM	%	0.09	0.62	1
COPPER	MG/KG	1.6	11.7	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
IRON	%	0.004	0.026		1
MAGNESIUM	%	0.02	0.13		1
MANGANESE	MG/KG	11.5	81.9		1
PHOSPHORUS	%	0.07	0.48		1
POTASSIUM	%	0.28	1.98		1
SODIUM	%	0.01	0.07		1

LOLIUM MULTIFLORUM, RYEGRASS, ITALIAN WESTERWOLTH

LOLIUM MULTIFLORUM ITALIAN WESTERWOLTH, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-10-537

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.0	100.0		2
ORGANIC MATTER	%	14.1	88.4		
ASH	%	1.9	11.7		2
CRUDE FIBER	%	4.1	25.7		2
ETHER EXTRACT	%	0.7	4.5		2
NITROGEN FREE EXTRACT	%	6.4	39.8		2
PROTEIN	%	3.0	18.5		2
CATTLE DIG PROT	% *	2.2	13.6		
GOATS DIG PROT	% *	2.2	13.8		
HORSES DIG PROT	% *	2.1	13.2		
RABBITS DIG PROT	% *	2.1	12.9		
SHEEP DIG PROT	% *	2.3	14.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.45	2.83		
SHEEP DE	MCAL/KG *	0.46	2.86		
CATTLE ME	MCAL/KG *	0.37	2.32		
SHEEP ME	MCAL/KG *	0.38	2.35		
CATTLE NE-M	MCAL/KG *	0.22	1.39		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.80		
CATTLE NE-LACTATION	MCAL/KG *	0.24	1.49		
CATTLE TDN	% *	10.3	64.2		
SHEEP TDN	% *	10.4	64.9		
CALCIUM	%	0.11	0.69		1
COPPER	MG/KG	1.5	9.3		1
IRON	%	0.011	0.069		1
MAGNESIUM	%	0.03	0.18		1
MANGANESE	MG/KG	4.2	26.1		1
PHOSPHORUS	%	0.05	0.29		1
POTASSIUM	%	0.52	3.26		1
SODIUM	%	0.01	0.09		1

LOLIUM MULTIFLORUM ITALIAN WESTERWOLTH, AERIAL PART, FRESH, EARLY BLOOM, CUT 4, (2)

REF NO 2-10-536

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.7	100.0		1
ORGANIC MATTER	%	15.8	89.1		
ASH	%	1.9	10.9		1
CRUDE FIBER	%	5.3	30.2		1
ETHER EXTRACT	%	0.7	3.9		1
NITROGEN FREE EXTRACT	%	7.4	41.9		1
PROTEIN	%	2.3	13.1		1
CATTLE DIG PROT	% *	1.6	9.0		
GOATS DIG PROT	% *	1.6	8.8		
HORSES DIG PROT	% *	1.5	8.7		
RABBITS DIG PROT	% *	1.6	8.8		
SHEEP DIG PROT	% *	1.6	9.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.47	2.64		
SHEEP DE	MCAL/KG *	0.47	2.68		
CATTLE ME	MCAL/KG *	0.38	2.16		
SHEEP ME	MCAL/KG *	0.39	2.20		
CATTLE NE-M	MCAL/KG *	0.23	1.28		
CATTLE NE-GAIN	MCAL/KG *	0.12	0.65		
CATTLE NE-LACTATION	MCAL/KG *	0.24	1.34		
CATTLE TDN	% *	10.6	59.8		
SHEEP TDN	% *	10.8	60.8		

LOLIUM MULTIFLORUM ITALIAN WESTERWOLTH, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-10-533

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	14.2	100.0		2
ORGANIC MATTER	%	12.4	87.9		
ASH	%	1.7	12.2		2
CRUDE FIBER	%	4.0	28.3		2
ETHER EXTRACT	%	0.6	4.1		2
NITROGEN FREE EXTRACT	%	5.5	38.6		2
PROTEIN	%	2.4	16.9		2
CATTLE DIG PROT	% *	1.7	12.3		
GOATS DIG PROT	% *	1.7	12.3		
HORSES DIG PROT	% *	1.7	11.9		
RABBITS DIG PROT	% *	1.7	11.7		
SHEEP DIG PROT	% *	1.8	12.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.37	2.60		
SHEEP DE	MCAL/KG *	0.39	2.76		
CATTLE ME	MCAL/KG *	0.30	2.13		
SHEEP ME	MCAL/KG *	0.32	2.26		
CATTLE NE-M	MCAL/KG *	0.18	1.26		
CATTLE NE-GAIN	MCAL/KG *	0.09	0.62		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.32		
CATTLE TDN	% *	8.4	59.0		
SHEEP TDN	% *	8.9	62.6		
CALCIUM	%	0.08	0.53		2
COPPER	MG/KG	2.1	14.6		2
IRON	%	0.013	0.094		2
MAGNESIUM	%	0.02	0.15		2
MANGANESE	MG/KG	6.7	47.5		2
PHOSPHORUS	%	0.05	0.34		2
POTASSIUM	%	0.35	2.46		2
SODIUM	%	0.01	0.09		2

LOLIUM MULTIFLORUM ITALIAN WESTERWOLTH, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-10-534

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	15.0	100.0		1
ORGANIC MATTER	%	13.4	89.6		
ASH	%	1.6	10.4		1
CRUDE FIBER	%	3.7	24.6		1
ETHER EXTRACT	%	0.7	4.6		1
NITROGEN FREE EXTRACT	%	7.0	46.5		1
PROTEIN	%	2.1	13.9		1
CATTLE DIG PROT	% *	1.5	9.7		
GOATS DIG PROT	% *	1.4	9.5		
HORSES DIG PROT	% *	1.4	9.3		
RABBITS DIG PROT	% *	1.4	9.4		
SHEEP DIG PROT	% *	1.5	9.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.50	3.36		
SHEEP DE	MCAL/KG *	0.42	2.81		
CATTLE ME	MCAL/KG *	0.41	2.76		
SHEEP ME	MCAL/KG *	0.35	2.31		
CATTLE NE-M	MCAL/KG *	0.26	1.73		
CATTLE NE-GAIN	MCAL/KG *	0.17	1.15		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.91		
CATTLE TDN	% *	11.4	76.3		
SHEEP TDN	% *	9.6	63.8		

LOLIUM MULTIFLORUM ITALIAN WESTERWOLTH, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-10-535

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.3	100.0		1
ORGANIC MATTER	%	15.3	88.4		
ASH	%	2.0	11.6		1
CRUDE FIBER	%	4.7	27.2		1
ETHER EXTRACT	%	0.7	4.1		1
NITROGEN FREE EXTRACT	%	7.2	41.9		1
PROTEIN	%	2.6	15.2		1
CATTLE DIG PROT	% *	1.9	10.8		
GOATS DIG PROT	% *	1.9	10.7		
HORSES DIG PROT	% *	1.8	10.4		
RABBITS DIG PROT	% *	1.8	10.4		
SHEEP DIG PROT	% *	1.9	11.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.48	2.79		
SHEEP DE	MCAL/KG *	0.48	2.75		
CATTLE ME	MCAL/KG *	0.40	2.29		
SHEEP ME	MCAL/KG *	0.39	2.26		
CATTLE NE-M	MCAL/KG *	0.24	1.37		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.77		
CATTLE NE-LACTATION	MCAL/KG *	0.25	1.46		
CATTLE TDN	% *	11.0	63.3		
SHEEP TDN	% *	10.8	62.5		

LOLIUM MULTIFLORUM, RYEGRASS, ITALIAN

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C, (1)

REF NO 1-04-069

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.2	100.0		2
ORGANIC MATTER	%	77.1	89.5		
ASH	%	9.1	10.5	11	4
CRUDE FIBER	%	22.4	26.0	16	4
ETHER EXTRACT	%	2.8	3.3	14	4
NITROGEN FREE EXTRACT	%	37.9	44.0	6	4
PROTEIN	%	14.0	16.2	25	4
CATTLE DIG PROT	% *	9.5	11.0		
GOATS DIG PROT	% *	10.1	11.7		
HORSES DIG PROT	% *	9.7	11.3		
RABBITS DIG PROT	% *	9.6	11.2		
SHEEP DIG PROT	% *	9.6	11.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.28	2.65		
HORSES DE	MCAL/KG *	1.65	1.91		
SHEEP DE	MCAL/KG *	2.21	2.56		
CATTLE ME	MCAL/KG *	1.87	2.17		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
HORSES	NE MCAL/KG *	1.35	1.57	
SHEEP	NE MCAL/KG *	1.81	2.10	
CATTLE	NE-M MCAL/KG *	1.11	1.29	
CATTLE	NE-GAIN MCAL/KG *	0.57	0.66	
CATTLE	NE-LACTATION MCAL/KG *	1.17	1.35	
CATTLE	TDN % *	51.8	60.1	
HORSES	TDN % *	41.0	47.6	
SHEEP	TDN % *	50.0	58.1	

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C, 15 TO 28 DAYS' GROWTH, (1)

REF NO 1-10-732

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.4	
ASH	%		11.6	2
CRUDE FIBER	%		22.1	2
ETHER EXTRACT	%		4.9	2
NITROGEN FREE EXTRACT	%		44.6	2
PROTEIN	%		16.8	2
CATTLE	DIG PROT % *		11.5	
GOATS	DIG PROT % *		12.2	
HORSES	DIG PROT % *		11.8	
RABBITS	DIG PROT % *		11.6	
SHEEP	DIG PROT % *		11.6	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.73	
HORSES	DE MCAL/KG *		1.52	
SHEEP	DE MCAL/KG *		2.67	
CATTLE	ME MCAL/KG *		2.24	
HORSES	ME MCAL/KG *		1.24	
SHEEP	ME MCAL/KG *		2.19	
CATTLE	NE-M MCAL/KG *		1.33	
CATTLE	NE-GAIN MCAL/KG *		0.73	
CATTLE	NE-LACTATION MCAL/KG *		1.42	
CATTLE	TDN % *		62.0	
HORSES	TDN % *		36.9	
SHEEP	TDN % *		60.6	

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C, LATE VEGETATIVE, (1)

REF NO 1-04-065

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.0	
ASH	%		13.0	1
CRUDE FIBER	%		19.7	1
ETHER EXTRACT	%		3.7	1
NITROGEN FREE EXTRACT	%		48.3	1
PROTEIN	%		15.3	1
CATTLE	DIG PROT % *		10.2	
GOATS	DIG PROT % *		10.8	
HORSES	DIG PROT % *		10.5	
RABBITS	DIG PROT % *		10.5	
SHEEP	DIG PROT % *		10.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.83	
HORSES	DE MCAL/KG *		1.87	
SHEEP	DE MCAL/KG *		2.67	
CATTLE	ME MCAL/KG *		2.32	
HORSES	ME MCAL/KG *		1.53	
SHEEP	ME MCAL/KG *		2.19	
CATTLE	NE-M MCAL/KG *		1.39	
CATTLE	NE-GAIN MCAL/KG *		0.80	
CATTLE	NE-LACTATION MCAL/KG *		1.50	
CATTLE	TDN % *		64.3	
HORSES	TDN % *		46.5	
SHEEP	TDN % *		60.6	

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C, FULL BLOOM, (1)

REF NO 1-04-067

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	87.3	100.0	1
ORGANIC MATTER	%	81.2	93.0	1
ASH	%	6.1	7.0	1
SHEEP	DIG COEF %	33.	33.	
PROTEIN	%	9.0	10.3	1
SHEEP	DIG COEF %	58.	58.	1
CATTLE	DIG PROT % *	5.1	5.9	
GOATS	DIG PROT % *	5.4	6.2	
HORSES	DIG PROT % *	5.5	6.3	
RABBITS	DIG PROT % *	5.8	6.6	
SHEEP	DIG PROT %	5.2	6.0	
CELL WALLS (VAN SOEST)	%	50.1	57.4	1
FIBER, ACID DETERGENT (VS)	%	39.6	45.4	1
LIGNIN (VAN SOEST)	%	2.9	3.3	1
ENERGY	GE KCAL/KG	3750.	4295.	1
SHEEP	GL DIG COEF %	64.	64.	1
SHEEP	DE MCAL/KG	2.40	2.75	1
SHEEP	ME MCAL/KG *	1.97	2.25	
SHEEP	TDN % *	0.1	0.1	

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C FERTILIZED, 15 TO 28 DAYS' GROWTH, (1)

REF NO 1-10-736

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
CRUDE FIBER	%		24.8	3
PROTEIN	%		21.8	3
CATTLE	DIG PROT % *		15.8	
GOATS	DIG PROT % *		16.9	
HORSES	DIG PROT % *		16.1	
RABBITS	DIG PROT % *		15.5	
SHEEP	DIG PROT % *		16.2	

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C FERTILIZED, 29 TO 42 DAYS' GROWTH, (1)

REF NO 1-10-734

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.4	
ASH	%		10.6	1
CRUDE FIBER	%		23.0	7 4
ETHER EXTRACT	%		3.6	1
NITROGEN FREE EXTRACT	%		47.4	1
PROTEIN	%		15.4	11 4
CATTLE	DIG PROT % *		10.3	
GOATS	DIG PROT % *		10.9	
HORSES	DIG PROT % *		10.6	
RABBITS	DIG PROT % *		10.5	
SHEEP	DIG PROT % *		10.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.76	
HORSES	DE MCAL/KG *		1.88	
SHEEP	DE MCAL/KG *		2.64	
CATTLE	ME MCAL/KG *		2.26	
HORSES	ME MCAL/KG *		1.54	
SHEEP	ME MCAL/KG *		2.16	
CATTLE	NE-M MCAL/KG *		1.35	
CATTLE	NE-GAIN MCAL/KG *		0.75	
CATTLE	NE-LACTATION MCAL/KG *		1.44	
CATTLE	TDN % *		62.6	
HORSES	TDN % *		46.9	
SHEEP	TDN % *		59.8	

LOLIUM MULTIFLORUM ITALIAN, HAY, S-C FERTILIZED, 43 TO 56 DAYS' GROWTH, (1)

REF NO 1-10-733

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.8	
ASH	%		9.2	1
CRUDE FIBER	%		28.5	8 4
ETHER EXTRACT	%		3.5	1
NITROGEN FREE EXTRACT	%		43.4	1
PROTEIN	%		15.3	6 4
CATTLE	DIG PROT % *		10.2	
GOATS	DIG PROT % *		10.8	
HORSES	DIG PROT % *		10.5	
RABBITS	DIG PROT % *		10.5	
SHEEP	DIG PROT % *		10.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.58	
HORSES	DE MCAL/KG *		1.88	
SHEEP	DE MCAL/KG *		2.51	
CATTLE	ME MCAL/KG *		2.11	
HORSES	ME MCAL/KG *		1.54	
SHEEP	ME MCAL/KG *		2.06	
CATTLE	NE-M MCAL/KG *		1.25	
CATTLE	NE-GAIN MCAL/KG *		0.60	
CATTLE	NE-LACTATION MCAL/KG *		1.30	
CATTLE	TDN % *		58.4	
HORSES	TDN % *		46.8	
SHEEP	TDN % *		57.0	

LOLIUM MULTIFLORUM ITALIAN, AERIAL PART, FRESH, (2)

REF NO 2-04-073

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	23.2	100.0	6 7
DM IN VITRO (TILLY) DIG COEF	%	70.	70.	2 7
ORGANIC MATTER	%	20.9	90.1	
ASH	%	2.3	9.9	58 4
CRUDE FIBER	%	3.7	16.0	66 4
ETHER EXTRACT	%	0.9	3.9	44 4
NITROGEN FREE EXTRACT	%	13.5	58.2	42 4
PROTEIN	%	2.6	11.9	44 11
CATTLE	DIG PROT % *	1.9	8.0	
GOATS	DIG PROT % *	1.8	7.7	
HORSES	DIG PROT % *	1.8	7.7	
RABBITS	DIG PROT % *	1.8	7.9	
SHEEP	DIG PROT % *	1.9	8.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.00	4.29	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DE	MCAL/KG *	0.71	3.07		
CATTLE	ME	MCAL/KG *	0.82	3.51		
SHEEP	ME	MCAL/KG *	0.58	2.52		
CATTLE	NE-M	MCAL/KG *	0.59	2.55		
CATTLE	NE-GAIN	MCAL/KG *	0.37	1.59		
CATTLE	NE-LACTATION	MCAL/KG *	0.61	2.63		
CATTLE		TDN % *	22.6	97.2		
SHEEP		TDN % *	16.2	69.7		
CALCIUM		%	0.18	0.79		1
MAGNESIUM		%	0.04	0.18		1
PHOSPHORUS		%	0.04	0.16		1

LOLIUM MULTIFLORUM ITALIAN, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-13-670

DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.0		
ASH		%		9.0		1
CRUDE FIBER		%		12.4		1
ETHER EXTRACT		%		5.1		1
NITROGEN FREE EXTRACT		%		62.1		1
PROTEIN		%		11.4		1
CATTLE	DIG PROT	% *		7.6		
GOATS	DIG PROT	% *		7.2		
HORSES	DIG PROT	% *		7.2		
RABBITS	DIG PROT	% *		7.5		
SHEEP	DIG PROT	% *		7.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		5.89		
SHEEP	DE	MCAL/KG *		3.19		
CATTLE	ME	MCAL/KG *		4.83		
SHEEP	ME	MCAL/KG *		2.62		
CATTLE	NE-M	MCAL/KG *		4.98		
CATTLE	NE-GAIN	MCAL/KG *		2.05		
CATTLE	NE-LACTATION	MCAL/KG *		3.88		
CATTLE		TDN % *		133.5		
SHEEP		TDN % *		72.4		

LOLIUM MULTIFLORUM ITALIAN, LEAVES, FRESH, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-17-607

DRY MATTER		%	17.0	100.0		1
ORGANIC MATTER		%	14.9	87.7		
ASH		%	2.1	12.3		1
CRUDE FIBER		%	4.1	24.0		1
PROTEIN		%	1.6	9.3		1
CATTLE	DIG PROT	% *	1.0	5.8		
GOATS	DIG PROT	% *	0.9	5.2		
HORSES	DIG PROT	% *	0.9	5.4		
RABBITS	DIG PROT	% *	1.0	5.8		
SHEEP	DIG PROT	% *	1.0	5.7		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, RYEGRASS, ITALIAN-CLOVER, WHITE

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, HAY, S-C, 57 TO 70 DAYS' GROWTH, (1)

REF NO 1-11-895

DRY MATTER		%	89.3	100.0		1
ORGANIC MATTER		%	79.7	89.2		
ASH		%	9.6	10.8		1
CRUDE FIBER		%	23.4	26.2		1
ETHER EXTRACT		%	3.0	3.4		1
NITROGEN FREE EXTRACT		%	32.6	36.5		1
PROTEIN		%	20.7	23.2		1
CATTLE	DIG PROT	% *	15.2	17.0		
GOATS	DIG PROT	% *	16.2	18.2		
HORSES	DIG PROT	% *	15.4	17.2		
RABBITS	DIG PROT	% *	14.8	16.6		
SHEEP	DIG PROT	% *	15.5	17.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.44	2.73		
SHEEP	DE	MCAL/KG *	2.39	2.68		
CATTLE	ME	MCAL/KG *	2.00	2.24		
SHEEP	ME	MCAL/KG *	1.96	2.19		
CATTLE	NE-M	MCAL/KG *	1.19	1.33		
CATTLE	NE-GAIN	MCAL/KG *	0.64	0.72		
CATTLE	NE-LACTATION	MCAL/KG *	1.26	1.41		
CATTLE		TDN % *	55.2	61.9		
SHEEP		TDN % *	54.2	60.7		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, RYEGRASS, ITALIAN-CLOVER, WHITE-DALLISGRASS- CLOVER, STRAWBERRY

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-13-117

DRY MATTER		%	27.4	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	53.	53.		1
PROTEIN		%	4.0	14.5		1
CATTLE	DIG PROT	% *	2.8	10.2		
GOATS	DIG PROT	% *	2.8	10.1		
HORSES	DIG PROT	% *	2.7	9.8		
RABBITS	DIG PROT	% *	2.7	9.9		
SHEEP	DIG PROT	% *	2.9	10.5		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-13-119

DRY MATTER		%	29.1	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	57.	57.		1
PROTEIN		%	3.6	12.5		1
CATTLE	DIG PROT	% *	2.5	8.5		
GOATS	DIG PROT	% *	2.4	8.2		
HORSES	DIG PROT	% *	2.4	8.1		
RABBITS	DIG PROT	% *	2.4	8.3		
SHEEP	DIG PROT	% *	2.5	8.6		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-13-122

DRY MATTER		%	34.0	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	48.	48.		1
PROTEIN		%	2.7	7.9		1
CATTLE	DIG PROT	% *	1.6	4.6		
GOATS	DIG PROT	% *	1.3	3.9		
HORSES	DIG PROT	% *	1.4	4.2		
RABBITS	DIG PROT	% *	1.6	4.8		
SHEEP	DIG PROT	% *	1.5	4.4		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-13-123

DRY MATTER		%	36.5	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	44.	44.		1
PROTEIN		%	3.5	9.7		1
CATTLE	DIG PROT	% *	2.2	6.1		
GOATS	DIG PROT	% *	2.0	5.6		
HORSES	DIG PROT	% *	2.1	5.8		
RABBITS	DIG PROT	% *	2.2	6.2		
SHEEP	DIG PROT	% *	2.2	6.0		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 7, (2)

REF NO 2-13-125

DRY MATTER		%	25.2	100.0	8	7
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.		2
PROTEIN		%	3.6	14.3	8	7
CATTLE	DIG PROT	% *	2.5	10.0		
GOATS	DIG PROT	% *	2.5	9.9		
HORSES	DIG PROT	% *	2.4	9.6		
RABBITS	DIG PROT	% *	2.4	9.7		
SHEEP	DIG PROT	% *	2.6	10.3		

LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 8, (2)

REF NO 2-13-127

DRY MATTER		%	34.6	100.0	5	7
PROTEIN		%	3.7	10.6	20	7
CATTLE	DIG PROT	% *	2.4	6.9		
GOATS	DIG PROT	% *	2.2	6.5		
HORSES	DIG PROT	% *	2.3	6.5		
RABBITS	DIG PROT	% *	2.4	6.9		
SHEEP	DIG PROT	% *	2.4	6.9		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH, CUT 9, (2)						
REF NO 2-13-129						
DRY MATTER		%	42.2	100.0	6	7
PROTEIN		%	4.9	11.6	10	7
CATTLE	DIG PROT	% *	3.3	7.8		
GOATS	DIG PROT	% *	3.1	7.4		
HORSES	DIG PROT	% *	3.1	7.4		
RABBITS	DIG PROT	% *	3.2	7.6		
SHEEP	DIG PROT	% *	3.3	7.8		
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, CUT 1, (2)						
REF NO 2-13-118						
DRY MATTER		%	23.1	100.0	13	9
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	6	8
PROTEIN		%	4.0	17.4	12	9
CATTLE	DIG PROT	% *	2.9	12.7		
GOATS	DIG PROT	% *	3.0	12.8		
HORSES	DIG PROT	% *	2.8	12.3		
RABBITS	DIG PROT	% *	2.8	12.1		
SHEEP	DIG PROT	% *	3.0	13.2		
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, CUT 2, (2)						
REF NO 2-13-120						
DRY MATTER		%	24.5	100.0	9	9
DM IN VITRO (TILLY)	DIG COEF	%	65.	65.	4	9
PROTEIN		%	4.5	18.2	15	9
CATTLE	DIG PROT	% *	3.3	13.4		
GOATS	DIG PROT	% *	3.3	13.6		
HORSES	DIG PROT	% *	3.2	13.0		
RABBITS	DIG PROT	% *	3.1	12.8		
SHEEP	DIG PROT	% *	3.4	14.0		
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, CUT 4, (2)						
REF NO 2-13-124						
DRY MATTER		%	33.0	100.0	8	9
DM IN VITRO (TILLY)	DIG COEF	%	48.	48.	6	9
PROTEIN		%	4.2	12.8	12	9
CATTLE	DIG PROT	% *	2.9	8.8		
GOATS	DIG PROT	% *	2.8	8.5		
HORSES	DIG PROT	% *	2.8	8.4		
RABBITS	DIG PROT	% *	2.8	8.6		
SHEEP	DIG PROT	% *	2.9	8.9		
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, CUT 7, (2)						
REF NO 2-13-126						
DRY MATTER		%	24.0	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	67.	67.		1
PROTEIN		%	3.9	16.3		3
CATTLE	DIG PROT	% *	2.8	11.7		
GOATS	DIG PROT	% *	2.8	11.8		
HORSES	DIG PROT	% *	2.7	11.4		
RABBITS	DIG PROT	% *	2.7	11.3		
SHEEP	DIG PROT	% *	2.9	12.2		
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, CUT 8, (2)						
REF NO 2-13-128						
DRY MATTER		%	37.1	100.0		2
PROTEIN		%	3.9	10.5		2
CATTLE	DIG PROT	% *	2.5	6.8		
GOATS	DIG PROT	% *	2.3	6.3		
HORSES	DIG PROT	% *	2.4	6.4		
RABBITS	DIG PROT	% *	2.5	6.7		
SHEEP	DIG PROT	% *	2.5	6.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, (2)						
REF NO 2-13-130						
DRY MATTER		%	41.1	100.0		3
PROTEIN		%	4.8	11.8		3
CATTLE	DIG PROT	% *	3.3	7.9		
GOATS	DIG PROT	% *	3.1	7.6		
HORSES	DIG PROT	% *	3.1	7.5		
RABBITS	DIG PROT	% *	3.2	7.8		
SHEEP	DIG PROT	% *	3.3	8.0		
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, ADESMIA, RYEGRASS, ITALIAN-CLOVER, WHITE-DALLISGRASS- CLOVER, STRAWBERRY						
LOLIUM MULTIFLORUM, TRIFOLIUM REPENS, PASPALUM DILATATUM, TRIFOLIUM FRAGIFERUM, ADESMIA, AERIAL PART, FRESH FERTILIZED, CUT 3, (2)						
REF NO 2-13-121						
DRY MATTER		%	30.2	100.0	6	9
DM IN VITRO (TILLY)	DIG COEF	%	53.	53.	7	9
PROTEIN		%	3.5	11.6	19	9
CATTLE	DIG PROT	% *	2.3	7.8		
GOATS	DIG PROT	% *	2.2	7.4		
HORSES	DIG PROT	% *	2.2	7.4		
RABBITS	DIG PROT	% *	2.3	7.6		
SHEEP	DIG PROT	% *	2.4	7.8		
LOLIUM PERENNE, RYEGRASS, PERENNIAL						
LOLIUM PERENNE PERENNIAL, HAY, 5-C, NATURE, CUT 5, (1)						
REF NO 1-15-425						
DRY MATTER		%	96.7	100.0		1
ORGANIC MATTER		%	87.6	90.6		1
ASH		%	9.1	9.4		1
CRUDE FIBER		%	33.1	34.2		1
ETHER EXTRACT		%	1.8	1.9		1
NITROGEN FREE EXTRACT		%	43.6	45.1		1
PROTEIN		%	9.1	9.4		1
CATTLE	DIG PROT	% *	4.9	5.1		
GOATS	DIG PROT	% *	5.2	5.3		
HORSES	DIG PROT	% *	5.3	5.5		
RABBITS	DIG PROT	% *	5.7	5.9		
SHEEP	DIG PROT	% *	4.8	5.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.22	2.30		
HORSES	DE MCAL/KG	*	1.74	1.80		
SHEEP	DE MCAL/KG	*	2.20	2.28		
CATTLE	ME MCAL/KG	*	1.82	1.88		
HORSES	ME MCAL/KG	*	1.43	1.47		
SHEEP	ME MCAL/KG	*	1.81	1.87		
CATTLE	NE-M MCAL/KG	*	1.07	1.11		
CATTLE	NE-GAIN MCAL/KG	*	0.35	0.36		
CATTLE	NE-LACTATION MCAL/KG	*	1.04	1.08		
CATTLE	TDN	% *	50.4	52.1		
HORSES	TDN	% *	43.1	44.5		
SHEEP	TDN	% *	50.0	51.7		
CALCIUM		%	0.80	0.83		1
COBALT		MG/KG	0.135	0.140		1
COPPER		MG/KG	8.0	8.3		1
IRON		%	0.019	0.020		1
MAGNESIUM		%	0.83	0.86		1
MANGANESE		MG/KG	21.0	21.7		1
MOLYBDENUM		MG/KG	8.09	8.37		1
PHOSPHORUS		%	0.32	0.33		1
POTASSIUM		%	1.10	1.14		1
SODIUM		%	0.21	0.22		1
ZINC		MG/KG	14.8	15.3		1
LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, (2)						
REF NO 2-04-086						
DRY MATTER		%	37.5	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.		1
ORGANIC MATTER		%	34.3	91.7		
ASH		%	3.1	8.3	41	5
CRUDE FIBER		%	7.2	19.1		3
ETHER EXTRACT		%	1.0	2.8		2
NITROGEN FREE EXTRACT		%	23.0	61.5		2
PROTEIN		%	3.1	8.3	15	7
CATTLE	DIG PROT	% *	1.9	4.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT % *	1.6	4.3		
HORSES	DIG PROT % *	1.7	4.6		
RABBITS	DIG PROT % *	1.9	5.1		
SHEEP	DIG PROT % *	1.8	4.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.37	3.67		
SHEEP	DE MCAL/KG *	1.13	3.02		
CATTLE	ME MCAL/KG *	1.13	3.01		
SHEEP	ME MCAL/KG *	0.93	2.48		
CATTLE	NE-M MCAL/KG *	0.74	1.97		
CATTLE	NE-GAIN MCAL/KG *	0.49	1.31		
CATTLE	NE-LACTATION MCAL/KG *	0.81	2.15		
CATTLE	TDN % *	31.2	83.2		
SHEEP	TDN % *	25.7	68.6		
CALCIUM	%	0.22	0.60	19	5
COPPER	MG/KG	1.4	3.9		3
MAGNESIUM	%	0.07	0.19		1
MANGANESE	MG/KG	213.7	570.7		3
MOLYBDENUM	MG/KG	0.45	1.21		3
PHOSPHORUS	%	0.07	0.19	27	5
ZINC	MG/KG	3.3	8.8		3

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-13-142

DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		68.		1
CELL WALLS (VAN SOEST)	%		48.7		1
CELLULOSE (VAN SOEST)	%		22.1		1
FIBER, ACID DETERGENT (VS)	%		29.3		1
HEMICELLULOSE	%		19.3		1
LIGNIN KMNO4 (VS)	%		3.8		1
CALCIUM	%		0.91		1
COBALT	MG/KG		0.347		1
COPPER	MG/KG		35.1		1
MAGNESIUM	%		0.52		1
MANGANESE	MG/KG		36.0		1
PHOSPHORUS	%		0.42		1
ZINC	MG/KG		40.7		1

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-200

DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		82.		2
ORGANIC MATTER	%		79.7		
ASH	%		20.3		1
CRUDE FIBER	%		22.1		1
ETHER EXTRACT	%		5.0		1
NITROGEN FREE EXTRACT	%		38.7		1
PROTEIN	%		13.8		3
CATTLE	DIG PROT % *		9.6		
GOATS	DIG PROT % *		9.4		
HORSES	DIG PROT % *		9.2		
RABBITS	DIG PROT % *		9.3		
SHEEP	DIG PROT % *		9.8		
CELL WALLS (VAN SOEST)	%		45.5		2
CELLULOSE (VAN SOEST)	%		20.8		2
FIBER, ACID DETERGENT (VS)	%		27.2		2
HEMICELLULOSE	%		18.2		2
LIGNIN KMNO4 (VS)	%		3.4		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.35		
SHEEP	DE MCAL/KG *		2.59		
CATTLE	ME MCAL/KG *		1.93		
SHEEP	ME MCAL/KG *		2.13		
CATTLE	NE-M MCAL/KG *		1.14		
CATTLE	NE-GAIN MCAL/KG *		0.41		
CATTLE	NE-LACTATION MCAL/KG *		1.12		
CATTLE	TDN % *		53.3		
SHEEP	TDN % *		58.8		
CALCIUM	%		0.72		2
COBALT	MG/KG		0.250		1
COPPER	MG/KG		35.7		1
MAGNESIUM	%		0.40		2
MANGANESE	MG/KG		28.9		2
PHOSPHORUS	%		0.48		2
ZINC	MG/KG		38.3		2

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-201

DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		82.		2
ORGANIC MATTER	%		84.0		
ASH	%		16.0		1
CRUDE FIBER	%		22.7		1
ETHER EXTRACT	%		4.6		1
NITROGEN FREE EXTRACT	%		43.9		1
PROTEIN	%		12.8	30	4
CATTLE	DIG PROT % *		8.8		
GOATS	DIG PROT % *		8.5		
HORSES	DIG PROT % *		8.4		
RABBITS	DIG PROT % *		8.5		
SHEEP	DIG PROT % *		8.9		
CELL WALLS (VAN SOEST)	%		47.0		2
CELLULOSE (VAN SOEST)	%		20.8		3
FIBER, ACID DETERGENT (VS)	%		26.8		3
HEMICELLULOSE	%		18.4		2
LIGNIN (VAN SOEST)	%		1.6		1
LIGNIN KMNO4 (VS)	%		3.2		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.89		
SHEEP	DE MCAL/KG *		2.67		
CATTLE	ME MCAL/KG *		2.37		
SHEEP	ME MCAL/KG *		2.19		
CATTLE	NE-M MCAL/KG *		1.42		
CATTLE	NE-GAIN MCAL/KG *		0.84		
CATTLE	NE-LACTATION MCAL/KG *		1.54		
CATTLE	TDN % *		65.6		
SHEEP	TDN % *		60.6		
CALCIUM	%		0.56		2
COBALT	MG/KG		0.178		1
COPPER	MG/KG		27.7		2
MAGNESIUM	%		0.33		2
MANGANESE	MG/KG		29.3		2
PHOSPHORUS	%		0.40		2
ACID INSOLUBLE ASH (SILICA)	%		4.60		1
ZINC	MG/KG		32.2		2

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-730

DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		78.	5	4
ORGANIC MATTER	%		96.9		
ASH	%		3.1		1
PROTEIN	%		8.0	34	5
CATTLE	DIG PROT % *		4.7		
GOATS	DIG PROT % *		4.0		
HORSES	DIG PROT % *		4.3		
RABBITS	DIG PROT % *		4.8		
SHEEP	DIG PROT % *		4.4		
CELL WALLS (VAN SOEST)	%		49.3	3	4
CELLULOSE (VAN SOEST)	%		22.9	5	5
FIBER, ACID DETERGENT (VS)	%		30.4	3	5
HEMICELLULOSE	%		18.8	10	4
LIGNIN (VAN SOEST)	%		3.2		1
LIGNIN KMNO4 (VS)	%		4.5	4	4
CALCIUM	%		0.62	14	4
COBALT	MG/KG		0.232	9	4
COPPER	MG/KG		25.7	35	4
MAGNESIUM	%		0.32	21	4
MANGANESE	MG/KG		23.3		3
MOLYBDENUM	MG/KG		31.60		1
PHOSPHORUS	%		0.37		3
ACID INSOLUBLE ASH (SILICA)	%		3.80		1
ZINC	MG/KG		29.8	14	4

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-202

DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		74.		2
ORGANIC MATTER	%		75.0		
ASH	%		25.0		1
CRUDE FIBER	%		20.0		1
ETHER EXTRACT	%		3.8		1
NITROGEN FREE EXTRACT	%		42.7		1
PROTEIN	%		8.5		3
CATTLE	DIG PROT % *		5.1		
GOATS	DIG PROT % *		4.5		
HORSES	DIG PROT % *		4.7		
RABBITS	DIG PROT % *		5.2		
SHEEP	DIG PROT % *		4.9		
CELL WALLS (VAN SOEST)	%		50.5		2
CELLULOSE (VAN SOEST)	%		24.3		2
FIBER, ACID DETERGENT (VS)	%		31.8		2
HEMICELLULOSE	%		18.7		2
LIGNIN KMNO4 (VS)	%		4.7		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.08		
SHEEP	DE MCAL/KG *		2.40		
CATTLE	ME MCAL/KG *		1.70		
SHEEP	ME MCAL/KG *		1.97		
CATTLE	NE-M MCAL/KG *		1.01		
CATTLE	NE-GAIN MCAL/KG *		0.15		
CATTLE	NE-LACTATION MCAL/KG *		0.91		
CATTLE	TDN % *		47.1		
SHEEP	TDN % *		54.4		
CALCIUM	%		0.56		2
COBALT	MG/KG		0.202		2
COPPER	MG/KG		34.8		2

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MAGNESIUM		%		0.35		2
MANGANESE		MG/KG		27.3		2
PHOSPHORUS		%		0.32		2
ZINC		MG/KG		27.8		2

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-140

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		73.	1	4
PROTEIN		%		8.6	31	4
CATTLE	DIG PROT	% *		3.5		
GOATS	DIG PROT	% *		3.6		
HORSES	DIG PROT	% *		3.1		
RABBITS	DIG PROT	% *		3.6		
SHEEP	DIG PROT	% *		3.0		
CELL WALLS (VAN SOEST)		%		51.7	4	4
CELLULOSE (VAN SOEST)		%		28.0	4	4
FIBER, ACID DETERGENT (VS)		%		32.0	3	4
HEMICELLULOSE		%		19.0	9	4
LIGNIN KMNO4 (VS)		%		4.9	14	4
CALCIUM		%		0.48	16	4
COBALT		MG/KG		0.103	26	4
COPPER		MG/KG		16.6	40	4
MAGNESIUM		%		0.25	23	4
MANGANESE		MG/KG		20.6	53	4
PHOSPHORUS		%		0.26	22	4
ZINC		MG/KG		24.9	21	4

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-141

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		72.		3
PROTEIN		%		7.1		3
CATTLE	DIG PROT	% *		3.9		
GOATS	DIG PROT	% *		3.2		
HORSES	DIG PROT	% *		3.6		
RABBITS	DIG PROT	% *		4.2		
SHEEP	DIG PROT	% *		3.6		
CELL WALLS (VAN SOEST)		%		51.8		3
CELLULOSE (VAN SOEST)		%		25.2		3
FIBER, ACID DETERGENT (VS)		%		32.9		3
HEMICELLULOSE		%		20.6		3
LIGNIN KMNO4 (VS)		%		4.4		3
CALCIUM		%		0.60		3
COBALT		MG/KG		0.232		3
COPPER		MG/KG		24.5		3
MAGNESIUM		%		0.32		3
MANGANESE		MG/KG		24.7		3
PHOSPHORUS		%		0.27		3
ZINC		MG/KG		29.9		3

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-147

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		72.		1
PROTEIN		%		7.6		1
CATTLE	DIG PROT	% *		4.4		
GOATS	DIG PROT	% *		3.7		
HORSES	DIG PROT	% *		4.0		
RABBITS	DIG PROT	% *		4.5		
SHEEP	DIG PROT	% *		4.1		
CELL WALLS (VAN SOEST)		%		53.7		1
CELLULOSE (VAN SOEST)		%		26.0		1
FIBER, ACID DETERGENT (VS)		%		34.4		1
HEMICELLULOSE		%		19.3		1
LIGNIN KMNO4 (VS)		%		4.8		1
CALCIUM		%		0.75		1
COBALT		MG/KG		0.260		1
MAGNESIUM		%		0.31		1
MANGANESE		MG/KG		27.0		1
PHOSPHORUS		%		0.28		1
ZINC		MG/KG		30.7		1

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-009

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	33.0	100.0	24	38
DM IN VITRO (TILLY)	DIG COEF	%	59.	59.	9	11
PROTEIN		%	5.1	15.6	84	39
CATTLE	DIG PROT	% *	3.7	11.1		
GOATS	DIG PROT	% *	3.7	11.1		
HORSES	DIG PROT	% *	3.6	10.8		
RABBITS	DIG PROT	% *	3.5	10.7		
SHEEP	DIG PROT	% *	3.8	11.5		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-007

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.8	100.0	3	12
PROTEIN		%	3.4	10.6	8	12
CATTLE	DIG PROT	% *	2.2	6.9		
GOATS	DIG PROT	% *	2.1	6.4		
HORSES	DIG PROT	% *	2.1	6.5		
RABBITS	DIG PROT	% *	2.2	6.9		
SHEEP	DIG PROT	% *	2.2	6.9		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-04-020

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		78.3		
ASH		%		21.7		1
CRUDE FIBER		%		28.4		1
ETHER EXTRACT		%		4.2		1
NITROGEN FREE EXTRACT		%		38.3		1
PROTEIN		%		16.6		2
CATTLE	DIG PROT	% *		16.6		
GOATS	DIG PROT	% *		16.7		
HORSES	DIG PROT	% *		16.8		
RABBITS	DIG PROT	% *		13.7		
SHEEP	DIG PROT	% *		15.1		
CELLULOSE (VAN SOEST)		%		28.8		1
FIBER, ACID DETERGENT (VS)		%		33.1		1
LIGNIN (VAN SOEST)		%		6.8		1
ENERGY	DE MCAL/KG					
CATTLE	DE MCAL/KG	*		1.88		
SHEEP	DE MCAL/KG	*		2.04		
CATTLE	ME MCAL/KG	*		1.54		
SHEEP	ME MCAL/KG	*		2.17		
CATTLE	NE-M MCAL/KG	*		0.93		
CATTLE	NE-GAIN MCAL/KG	*		-0.05		
CATTLE	NE-LACTATION MCAL/KG	*		0.79		
CATTLE	TDN	% *		62.6		
SHEEP	TDN	% *		59.9		
ACID INSOLUBLE ASH (SILICA)		%		4.00		1

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)

REF NO 2-10-523

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.7	100.0		2
ORGANIC MATTER		%	23.0	69.4		
ASH		%	2.7	10.6		2
CRUDE FIBER		%	8.7	33.9		2
ETHER EXTRACT		%	0.9	3.5		2
NITROGEN FREE EXTRACT		%	10.4	40.3		2
PROTEIN		%	3.0	11.7		2
CATTLE	DIG PROT	% *	2.0	7.0		
GOATS	DIG PROT	% *	1.9	7.5		
HORSES	DIG PROT	% *	1.9	7.5		
RABBITS	DIG PROT	% *	2.0	7.7		
SHEEP	DIG PROT	% *	2.0	7.9		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.61	2.37		
SHEEP	DE MCAL/KG	*	0.67	2.60		
CATTLE	ME MCAL/KG	*	0.50	1.95		
SHEEP	ME MCAL/KG	*	0.55	2.14		
CATTLE	NE-M MCAL/KG	*	0.29	1.15		
CATTLE	NE-GAIN MCAL/KG	*	0.11	0.43		
CATTLE	NE-LACTATION MCAL/KG	*	0.29	1.14		
CATTLE	TDN	% *	13.6	53.8		
SHEEP	TDN	% *	15.2	55.1		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-04-081

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	33.4	100.0		1
ORGANIC MATTER		%	28.5	85.3		1
ASH		%	3.8	11.4		3
CRUDE FIBER		%	7.5	22.4		3
ETHER EXTRACT		%	1.0	3.1		3
NITROGEN FREE EXTRACT		%	17.6	52.8		3
PROTEIN		%	3.4	10.3		3
CATTLE	DIG PROT	% *	2.2	6.6		
GOATS	DIG PROT	% *	2.1	6.2		
HORSES	DIG PROT	% *	2.1	6.3		
RABBITS	DIG PROT	% *	2.2	6.6		
SHEEP	DIG PROT	% *	2.2	6.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.05	3.14		
SHEEP	DE MCAL/KG	*	0.93	2.80		
CATTLE	ME MCAL/KG	*	0.86	2.57		
SHEEP	ME MCAL/KG	*	0.77	2.29		
CATTLE	NE-M MCAL/KG	*	0.53	1.58		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-GAIN	MCAL/KG *	0.36	1.01		
CATTLE	NE-LACTATION	MCAL/KG *	0.58	1.73		
CATTLE		TDN % *	23.8	71.2		
SHEEP		TDN % *	21.7	63.4		
CALCIUM		%	0.15	0.46		1
PHOSPHORUS		%	0.06	0.18		1

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-10-731

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
PROTEIN		%		7.9		1
CATTLE	DIG PROT	% *		4.6		
GOATS	DIG PROT	% *		3.9		
HORSES	DIG PROT	% *		4.2		
RABBITS	DIG PROT	% *		4.8		
SHEEP	DIG PROT	% *		4.4		
CELLULOSE (VAN SOEST)		%		25.8		1
FIBER, ACID DETERGENT (VS)		%		27.8		1
LIGNIN (VAN SOEST)		%		1.1		1
ACID INSOLUBLE ASH (SILICA)		%		4.60		1

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)

REF NO 2-13-011

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.4	100.0	4	13
PROTEIN		%	3.4	10.8	9	13
CATTLE	DIG PROT	% *	2.7	7.0		
GOATS	DIG PROT	% *	2.1	6.6		
HORSES	DIG PROT	% *	2.1	6.7		
RABBITS	DIG PROT	% *	2.3	7.4		
SHEEP	DIG PROT	% *	2.3	7.4		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-10-525

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	16.8	100.0		3
ORGANIC MATTER		%	15.1	89.9		
ASH		%	1.7	10.1		3
CRUDE FIBER		%	4.8	28.4		3
ETHER EXTRACT		%	0.8	4.6		3
NITROGEN FREE EXTRACT		%	4.7	28.0		3
PROTEIN		%	3.3	19.7		3
CATTLE	DIG PROT	% *	2.5	14.6		
GOATS	DIG PROT	% *	2.5	14.9		
HORSES	DIG PROT	% *	2.4	14.3		
RABBITS	DIG PROT	% *	2.3	13.9		
SHEEP	DIG PROT	% *	2.6	15.4		
ENERGY	GE MCAL/KG					
CATTLE	DE MCAL/KG *		0.46	2.72		
SHEEP	DE MCAL/KG *		0.49	2.91		
CATTLE	ME MCAL/KG *		0.37	2.23		
SHEEP	ME MCAL/KG *		0.40	2.39		
CATTLE	NE-M MCAL/KG *		0.22	1.32		
CATTLE	NE-GAIN MCAL/KG *		0.12	0.71		
CATTLE	NE-LACTATION MCAL/KG *		0.24	1.41		
CATTLE	TDN % *		10.4	61.6		
SHEEP	TDN % *		11.1	66.0		
CALCIUM		%	0.10	0.61		3
COPPER	MG/KG		3.3	19.6		3
IRON		%	0.011	0.064		3
MAGNESIUM		%	0.03	0.21		3
MANGANESE	MG/KG		16.4	97.5		3
PHOSPHORUS		%	0.06	0.35		3
POTASSIUM		%	0.30	1.80		3
SODIUM		%	0.03	0.17		3

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-10-526

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	20.4	100.0		1
ORGANIC MATTER		%	18.3	89.9		
ASH		%	2.1	10.1		1
CRUDE FIBER		%	5.9	28.9		1
ETHER EXTRACT		%	0.9	4.4		1
NITROGEN FREE EXTRACT		%	8.9	43.6		1
PROTEIN		%	2.7	13.0		1
CATTLE	DIG PROT	% *	1.8	8.9		
GOATS	DIG PROT	% *	1.8	8.7		
HORSES	DIG PROT	% *	1.7	8.8		
RABBITS	DIG PROT	% *	1.8	8.7		
SHEEP	DIG PROT	% *	1.9	9.1		
ENERGY	GE MCAL/KG					
CATTLE	DE MCAL/KG *		0.60	2.93		
SHEEP	DE MCAL/KG *		0.56	2.72		
CATTLE	ME MCAL/KG *		0.49	2.40		
SHEEP	ME MCAL/KG *		0.46	2.23		
CATTLE	NE-M MCAL/KG *		0.29	1.44		
CATTLE	NE-GAIN MCAL/KG *		0.18	0.87		
CATTLE	NE-LACTATION MCAL/KG *		0.32	1.57		
CATTLE	TDN % *		13.5	66.4		
SHEEP	TDN % *		12.6	61.7		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-10-527

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.7	100.0		1
ORGANIC MATTER		%	21.1	89.1		
ASH		%	2.6	10.9		1
CRUDE FIBER		%	8.3	34.9		1
ETHER EXTRACT		%	1.1	4.8		1
NITROGEN FREE EXTRACT		%	9.1	38.4		1
PROTEIN		%	2.6	10.8		1
CATTLE	DIG PROT	% *	1.7	7.1		
GOATS	DIG PROT	% *	1.6	6.6		
HORSES	DIG PROT	% *	1.6	6.7		
RABBITS	DIG PROT	% *	1.7	7.0		
SHEEP	DIG PROT	% *	1.7	7.1		
ENERGY	GE MCAL/KG					
CATTLE	DE MCAL/KG *		0.57	2.42		
SHEEP	DE MCAL/KG *		0.61	2.56		
CATTLE	ME MCAL/KG *		0.47	1.98		
SHEEP	ME MCAL/KG *		0.50	2.13		
CATTLE	NE-M MCAL/KG *		0.28	1.17		
CATTLE	NE-GAIN MCAL/KG *		0.11	0.47		
CATTLE	NE-LACTATION MCAL/KG *		0.28	1.17		
CATTLE	TDN % *		13.0	54.9		
SHEEP	TDN % *		13.9	58.8		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, FERTILIZED, 15 TO 20 LATE BLOOM, (2)

REF NO 2-10-728

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
PROTEIN		%		22.7		1
CATTLE	DIG PROT	% *		17.2		
GOATS	DIG PROT	% *		17.7		
HORSES	DIG PROT	% *		16.6		
RABBITS	DIG PROT	% *		16.7		
SHEEP	DIG PROT	% *		16.1		
CELLULOSE (VAN SOEST)		%		22.7		1
FIBER, ACID DETERGENT (VS)		%		31.0		1
LIGNIN (VAN SOEST)		%		6.5		1
ACID INSOLUBLE ASH (SILICA)		%		3.50		1

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-008

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.7	100.0	16	51
PROTEIN		%	3.9	15.3	23	51
CATTLE	DIG PROT	% *	2.8	10.9		
GOATS	DIG PROT	% *	2.8	10.9		
HORSES	DIG PROT	% *	2.7	10.5		
RABBITS	DIG PROT	% *	2.7	10.5		
SHEEP	DIG PROT	% *	2.9	11.3		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, FERTILIZED, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-019

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.5	100.0	7	8
OM IN VITRO (TILLY)	DIG COEF	%	67.	67.		2
PROTEIN		%	4.2	22.4	7	8
CATTLE	DIG PROT	% *	3.1	17.0		
GOATS	DIG PROT	% *	3.2	17.5		
HORSES	DIG PROT	% *	3.1	16.8		
RABBITS	DIG PROT	% *	3.0	16.0		
SHEEP	DIG PROT	% *	3.3	17.9		

LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH, FERTILIZED, EARLY VEGETATIVE, CUT 3, (2)

REF NO 2-13-020

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.5	100.0	39	8
OM IN VITRO (TILLY)	DIG COEF	%	70.	70.		3
PROTEIN		%	6.7	25.4	9	8
CATTLE	DIG PROT	% *	5.2	19.5		
GOATS	DIG PROT	% *	5.4	20.2		
HORSES	DIG PROT	% *	5.1	19.1		
RABBITS	DIG PROT	% *	4.8	18.3		
SHEEP	DIG PROT	% *	5.5	20.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 4, (2)					
REF NO 2-11-021					
DRY MATTER		%	19.1	100.0	3
DM IN VITRO (TILLY)	DIG COEF	%	72.	72.	2
PROTEIN		%	5.1	26.4	3
CATTLE	DIG PROT	% *	3.9	20.3	
GOATS	DIG PROT	% *	4.1	21.2	
HORSES	DIG PROT	% *	3.8	19.9	
RABBITS	DIG PROT	% *	3.6	19.1	
SHEEP	DIG PROT	% *	4.1	21.6	
LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 5, (2)					
REF NO 2-11-022					
DRY MATTER		%	18.4	100.0	3
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.	2
PROTEIN		%	3.5	19.1	3
CATTLE	DIG PROT	% *	2.6	14.1	
GOATS	DIG PROT	% *	2.6	14.6	
HORSES	DIG PROT	% *	2.5	13.7	
RABBITS	DIG PROT	% *	2.5	13.6	
SHEEP	DIG PROT	% *	2.7	14.8	
LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 7, (2)					
REF NO 2-11-023					
DRY MATTER		%	25.5	100.0	3
PROTEIN		%	5.6	22.0	3
CATTLE	DIG PROT	% *	4.2	16.6	
GOATS	DIG PROT	% *	4.4	17.1	
HORSES	DIG PROT	% *	4.1	16.2	
RABBITS	DIG PROT	% *	4.0	15.7	
SHEEP	DIG PROT	% *	4.5	17.5	
LOLIUM PERENNE PERENNIAL, AERIAL PART, FRESH FERTILIZED, REGROWTH EARLY VEGETATIVE, CUT 2, (2)					
REF NO 2-11-010					
DRY MATTER		%	26.4	100.0	17 25
PROTEIN		%	3.5	13.1	9 25
CATTLE	DIG PROT	% *	2.4	9.1	
GOATS	DIG PROT	% *	2.1	8.0	
HORSES	DIG PROT	% *	2.1	8.7	
RABBITS	DIG PROT	% *	2.1	8.4	
SHEEP	DIG PROT	% *	2.4	9.2	
LOLIUM PERENNE PERENNIAL, LEAVES, FRESH, 113 TO 130 DAYS' GROWTH, (2)					
REF NO 2-17-406					
DRY MATTER		%	18.1	100.0	1
ORGANIC MATTER		%	14.8	81.5	
ASH		%	3.3	18.5	1
CRUDE FIBER		%	4.0	22.2	1
PROTEIN		%	1.7	9.4	1
CATTLE	DIG PROT	% *	1.1	6.9	
GOATS	DIG PROT	% *	1.0	5.3	
HORSES	DIG PROT	% *	1.0	5.5	
RABBITS	DIG PROT	% *	1.1	5.9	
SHEEP	DIG PROT	% *	1.0	5.8	
LOLIUM PERENNE, DACTYLIS GLOMERATA, TRIFOLIUM REPENS, RYEGRASS, PERENNIAL-ORCHARDGRASS-CLOVER, WHITE					
LOLIUM PERENNE, DACTYLIS GLOMERATA, TRIFOLIUM REPENS, AERIAL PART, FRESH, EARLY VEGETATIVE, 50% RYEGRASS 10% ORCHARDGRASS 10% CLOVER, (2)					
REF NO 2-11-097					
DRY MATTER		%		100.0	
PROTEIN		%		16.6	1
CATTLE	DIG PROT	% *		10.3	
GOATS	DIG PROT	% *		10.2	
HORSES	DIG PROT	% *		9.9	
RABBITS	DIG PROT	% *		9.9	
SHEEP	DIG PROT	% *		10.6	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
LOLIUM PERENNE, DACTYLIS GLOMERATA, TRIFOLIUM REPENS, AERIAL PART, FRESH, EARLY BLOOM, 50% RYEGRASS 40% ORCHARDGRASS 10% CLOVER, (2)					
REF NO 2-11-098					
DRY MATTER		%		100.0	
PROTEIN		%		14.2	3
CATTLE	DIG PROT	% *		10.0	
GOATS	DIG PROT	% *		9.8	
HORSES	DIG PROT	% *		9.6	
RABBITS	DIG PROT	% *		9.7	
SHEEP	DIG PROT	% *		10.3	
LOLIUM PERENNE, TRIFOLIUM PRATENSE, RYEGRASS, PERENNIAL-CLOVER, RED					
LOLIUM PERENNE, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-10-203					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		79.8	
ASH		%		20.2	1
CRUDE FIBER		%		21.2	1
ETHER EXTRACT		%		5.9	1
NITROGEN FREE EXTRACT		%		39.4	1
PROTEIN		%		23.3	1
CATTLE	DIG PROT	% *		17.7	
GOATS	DIG PROT	% *		18.3	
HORSES	DIG PROT	% *		17.3	
RABBITS	DIG PROT	% *		16.7	
SHEEP	DIG PROT	% *		18.7	
ENERGY	GE KCAL/KG				
SHEEP	DE KCAL/KG *			2.97	
SHEEP	ME KCAL/KG *			2.68	
SHEEP	TDN % *			67.4	
LOLIUM PERENNE, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)					
REF NO 2-10-204					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		82.5	
ASH		%		17.5	1
CRUDE FIBER		%		22.0	1
ETHER EXTRACT		%		4.7	1
NITROGEN FREE EXTRACT		%		37.7	1
PROTEIN		%		17.9	1
CATTLE	DIG PROT	% *		12.8	
GOATS	DIG PROT	% *		12.9	
HORSES	DIG PROT	% *		12.4	
RABBITS	DIG PROT	% *		12.2	
SHEEP	DIG PROT	% *		13.3	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *			3.41	
SHEEP	DE KCAL/KG *			2.74	
CATTLE	ME KCAL/KG *			1.97	
SHEEP	ME KCAL/KG *			2.25	
CATTLE	NE-M KCAL/KG *			1.16	
CATTLE	NE-GAIN KCAL/KG *			0.46	
CATTLE	NE-LACTATION KCAL/KG *			1.16	
CATTLE	TDN % *			94.6	
SHEEP	TDN % *			62.2	
LOLIUM PERENNE, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-10-205					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		79.2	
ASH		%		20.8	1
CRUDE FIBER		%		19.0	1
ETHER EXTRACT		%		4.0	1
NITROGEN FREE EXTRACT		%		39.3	1
PROTEIN		%		18.0	1
CATTLE	DIG PROT	% *		11.5	
GOATS	DIG PROT	% *		11.5	
HORSES	DIG PROT	% *		11.1	
RABBITS	DIG PROT	% *		11.0	
SHEEP	DIG PROT	% *		11.9	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *			2.28	
SHEEP	DE KCAL/KG *			2.62	
CATTLE	ME KCAL/KG *			1.82	
SHEEP	ME KCAL/KG *			2.15	
CATTLE	NE-M KCAL/KG *			1.00	
CATTLE	NE-GAIN KCAL/KG *			0.30	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION		MCAL/KG *		1.02		
CATTLE		TDN % *		50.4		
SHEEP		TDN % *		59.5		

LOLIUM PERENNE, TRIFOLIUM REPENS, RYEGRASS, PERENNIAL-CLOVER, WHITE

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-046

DRY MATTER		%	24.3	100.0		1
PROTEIN		%	4.0	16.3		1
CATTLE	DIG PROT	% *	2.9	11.7		
GOATS	DIG PROT	% *	2.9	11.8		
HORSES	DIG PROT	% *	2.8	11.4		
RABBITS	DIG PROT	% *	2.7	11.3		
SHEEP	DIG PROT	% *	3.0	12.2		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-037

DRY MATTER		%	23.1	100.0		3
PROTEIN		%	5.1	22.3		3
CATTLE	DIG PROT	% *	3.9	16.8		
GOATS	DIG PROT	% *	4.0	17.3		
HORSES	DIG PROT	% *	3.8	16.4		
RABBITS	DIG PROT	% *	3.7	15.9		
SHEEP	DIG PROT	% *	4.1	17.7		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-033

DRY MATTER		%	17.0	100.0	14	6
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.		2
PROTEIN		%	3.8	22.5	4	6
CATTLE	DIG PROT	% *	2.9	17.0		
GOATS	DIG PROT	% *	3.0	17.9		
HORSES	DIG PROT	% *	2.8	16.6		
RABBITS	DIG PROT	% *	2.7	16.0		
SHEEP	DIG PROT	% *	3.0	17.9		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 3, (2)

REF NO 2-13-034

DRY MATTER		%	26.5	100.0	78	7
DM IN VITRO (TILLY)	DIG COEF	%	66.	66.	4	6
PROTEIN		%	6.6	26.0	11	7
CATTLE	DIG PROT	% *	5.0	19.0		
GOATS	DIG PROT	% *	5.2	19.7		
HORSES	DIG PROT	% *	4.9	18.6		
RABBITS	DIG PROT	% *	4.7	17.9		
SHEEP	DIG PROT	% *	5.3	20.1		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 4, (2)

REF NO 2-13-035

DRY MATTER		%	16.5	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	72.	72.		2
PROTEIN		%	5.0	2[illegible].1		2
CATTLE	DIG PROT	% *	3.9	20.9		
GOATS	DIG PROT	% *	4.0	21.0		
HORSES	DIG PROT	% *	3.8	20.5		
RABBITS	DIG PROT	% *	3.6	19.6		
SHEEP	DIG PROT	% *	4.1	22.2		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 5, (2)

REF NO 2-13-036

DRY MATTER		%	16.7	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	77.	77.		1
PROTEIN		%	3.8	21.2		2
CATTLE	DIG PROT	% *	2.7	16.0		
GOATS	DIG PROT	% *	2.7	16.0		
HORSES	DIG PROT	% *	2.6	15.6		
RABBITS	DIG PROT	% *	2.5	15.1		
SHEEP	DIG PROT	% *	2.8	16.8		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 7, (2)

REF NO 2-13-038

DRY MATTER		%	23.9	100.0		1
PROTEIN		%	5.3	22.0		1
CATTLE	DIG PROT	% *	4.0	16.6		
GOATS	DIG PROT	% *	4.1	17.1		
HORSES	DIG PROT	% *	3.9	16.2		
RABBITS	DIG PROT	% *	3.7	15.7		
SHEEP	DIG PROT	% *	4.2	17.5		

LOLIUM PERENNE, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, 5-6 RYEGRASS 5-6 CLOVER, (2)

REF NO 2-13-384

DRY MATTER		%	27.0	100.0	66	98
DM IN VITRO (TILLY)	DIG COEF	%	58.	58.	17	98
ORGANIC MATTER		%	22.5	83.2		98
DM (TILLY) IN VITRO	DIG COEF	%	16.	59.	12	51
ASH		%	4.5	16.8		

LOLIUM SPP, RYEGRASS

LOLIUM SPP, AERIAL PART, FRESH, (2)

REF NO 2-04-082

DRY MATTER		%	21.4	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	67.	67.		2
ORGANIC MATTER		%	18.0	84.1		1
ASH		%	3.4	15.9		1
CRUDE FIBER		%	4.4	20.5		1
ETHER EXTRACT		%	1.1	4.9		1
NITROGEN FREE EXTRACT		%	10.2	47.7		1
PROTEIN		%	2.4	11.0		3
CATTLE	DIG PROT	% *	1.6	7.3		
GOATS	DIG PROT	% *	1.5	6.9		
HORSES	DIG PROT	% *	1.5	6.9		
RABBITS	DIG PROT	% *	1.5	7.2		
SHEEP	DIG PROT	% *	1.6	7.3		
ENERGY	DE MCAL/KG					
CATTLE	DE MCAL/KG *		0.74	3.39		
SHEEP	DE MCAL/KG *		0.57	2.68		
CATTLE	ME MCAL/KG *		0.60	2.78		
SHEEP	ME MCAL/KG *		0.47	2.20		
CATTLE	NE-M MCAL/KG *		0.38	1.75		
CATTLE	NE-GAIN MCAL/KG *		0.25	1.16		
CATTLE	NE-LACTATION MCAL/KG *		0.41	1.93		
CATTLE	TDN % *		16.5	76.9		
SHEEP	TDN % *		13.0	60.8		

LOTUS CORNICULATUS, DEERVETCH, BIRDSFOOT

LOTUS CORNICULATUS BIRDSFOOT, AERIAL PART, FRESH, (2)

REF NO 2-08-040

DRY MATTER		%	7.6	100.0		1
ORGANIC MATTER		%	7.3	95.7		1
ASH		%	0.3	4.3		1
CRUDE FIBER		%	2.0	26.9		1
ETHER EXTRACT		%	0.3	3.6		1
NITROGEN FREE EXTRACT		%	4.0	52.8		1
PROTEIN		%	0.9	12.4		1
CATTLE	DIG PROT	% *	0.6	8.4		
GOATS	DIG PROT	% *	0.6	8.1		
HORSES	DIG PROT	% *	0.6	8.1		
RABBITS	DIG PROT	% *	0.6	8.2		
SHEEP	DIG PROT	% *	0.6	8.5		
ENERGY	DE MCAL/KG					
CATTLE	DE MCAL/KG *		0.24	3.45		
SHEEP	DE MCAL/KG *		0.22	2.88		
CATTLE	ME MCAL/KG *		0.21	2.83		
SHEEP	ME MCAL/KG *		0.18	2.37		
CATTLE	NE-M MCAL/KG *		0.14	1.88		
CATTLE	NE-GAIN MCAL/KG *		0.09	1.18		
CATTLE	NE-LACTATION MCAL/KG *		0.15	1.98		
CATTLE	TDN % *		5.9	78.2		
SHEEP	TDN % *		5.0	65.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
LOTUS CORNICULATUS BIRDSFOOT, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)				
REF NO 2-09-715				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.5	
ASH	%		10.5	1
CRUDE FIBER	%		27.2	1
ETHER EXTRACT	%		2.3	1
NITROGEN FREE EXTRACT	%		41.3	1
PROTEIN	%		18.7	1
CATTLE DIG PROT	%		13.2	
GOATS DIG PROT	%		14.0	
HORSES DIG PROT	%		13.4	
RABBITS DIG PROT	%		13.1	
SHEEP DIG PROT	%		14.4	
ENERGY	GE KCAL/KG			
CATTLE DE	MCAL/KG		2.74	
SHEEP DE	MCAL/KG		2.75	
CATTLE ME	MCAL/KG		2.24	
SHEEP ME	MCAL/KG		2.25	
CATTLE NE-M	MCAL/KG		1.33	
CATTLE NE-GAIN	MCAL/KG		0.73	
CATTLE NE-LACTATION	MCAL/KG		1.42	
CATTLE TDN	%		62.1	
SHEEP TDN	%		63.3	

LOTUS QUINEY, DEERVETCH, QUINEY

LOTUS QUINEY QUINEY, AERIAL PART, FRESH, (2)

REF NO 2-17-695

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	24.7	100.0	3
ORGANIC MATTER	%	24.2	97.9	
ASH	%	0.5	2.1	3
CRUDE FIBER	%	1.8	7.3	3
ETHER EXTRACT	%	0.3	1.1	3
NITROGEN FREE EXTRACT	%	21.3	86.3	3
PROTEIN	%	0.8	3.2	3
CATTLE DIG PROT	%	0.1	0.6	
GOATS DIG PROT	%	-0.1	-0.5	
HORSES DIG PROT	%	0.1	0.2	
RABBITS DIG PROT	%	0.3	1.1	
SHEEP DIG PROT	%	-0.0	-0.1	
CALCIUM	%	0.07	0.29	3
IRON	%	0.002	0.007	3
PHOSPHORUS	%	0.01	0.05	3

LOTUS ULIGINOSUS, TREFOIL, BIG

LOTUS ULIGINOSUS BIG, HAY, S-C, (1)

REF NO 1-08-545

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	91.6	100.0	1
ORGANIC MATTER	%	82.0	89.7	1
ASH	%	9.6	10.3	1
CRUDE FIBER	%	21.8	23.9	1
ETHER EXTRACT	%	3.9	3.5	1
NITROGEN FREE EXTRACT	%	41.3	45.2	1
PROTEIN	%	15.6	17.1	1
CATTLE DIG PROT	%	10.7	11.7	
GOATS DIG PROT	%	11.4	12.5	
HORSES DIG PROT	%	11.0	12.0	
RABBITS DIG PROT	%	10.9	11.9	
SHEEP DIG PROT	%	10.9	11.9	
ENERGY	GE KCAL/KG			
CATTLE DE	MCAL/KG	2.53	2.76	
HORSES DE	MCAL/KG	1.70	1.86	
SHEEP DE	MCAL/KG	2.42	2.65	
CATTLE ME	MCAL/KG	2.07	2.27	
HORSES ME	MCAL/KG	1.39	1.52	
SHEEP ME	MCAL/KG	1.99	2.17	
CATTLE NE-M	MCAL/KG	1.23	1.35	
CATTLE NE-GAIN	MCAL/KG	0.66	0.73	
CATTLE NE-LACTATION	MCAL/KG	1.32	1.44	
CATTLE TDN	%	57.3	62.7	
HORSES TDN	%	42.2	46.1	
SHEEP TDN	%	55.0	60.1	
CALCIUM	%	1.22	1.33	1
COBALT	MG/KG	0.101	0.110	1
COPPER	MG/KG	14.9	16.3	1
IRON	%	0.015	0.020	1
MAGNESIUM	%	0.30	0.33	1
MANGANESE	MG/KG	64.2	70.2	1
MOLYBDENUM	MG/KG	2.70	2.95	1
PHOSPHORUS	%	0.41	0.45	1
POTASSIUM	%	1.87	2.05	1
SODIUM	%	0.18	0.20	1
ZINC	MG/KG	28.0	30.6	1

LUPINUS ALBUS, LUPINE, SWEET

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
LUPINUS ALBUS SWEET, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-13-466				
DRY MATTER	%	17.2	100.0	1
ORGANIC MATTER	%	16.0	93.0	
ASH	%	1.2	7.0	1
CRUDE FIBER	%	5.8	33.7	1
ETHER EXTRACT	%	0.3	1.7	1
NITROGEN FREE EXTRACT	%	6.3	36.6	1
PROTEIN	%	3.6	20.9	1
CATTLE DIG PROT	%	2.7	15.7	
GOATS DIG PROT	%	2.8	16.1	
HORSES DIG PROT	%	2.6	15.3	
RABBITS DIG PROT	%	2.6	14.8	
SHEEP DIG PROT	%	2.6	14.5	
ENERGY	GE KCAL/KG			
CATTLE DE	MCAL/KG	0.49	2.86	
SHEEP DE	MCAL/KG	0.47	2.74	
CATTLE ME	MCAL/KG	0.40	2.34	
SHEEP ME	MCAL/KG	0.35	2.24	
CATTLE NE-M	MCAL/KG	0.24	1.40	
CATTLE NE-GAIN	MCAL/KG	0.14	0.82	
CATTLE NE-LACTATION	MCAL/KG	0.26	1.52	
CATTLE TDN	%	11.1	64.6	
SHEEP TDN	%	10.7	62.1	

LUPINUS ALBUS SWEET, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-02-739

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	60.7	100.0	1
ORGANIC MATTER	%	56.6	93.6	
ASH	%	3.9	6.4	1
CRUDE FIBER	%	24.9	41.0	1
ETHER EXTRACT	%	1.2	2.0	1
NITROGEN FREE EXTRACT	%	21.7	35.7	1
PROTEIN	%	9.0	14.8	1
CATTLE DIG PROT	%	6.4	10.5	
GOATS DIG PROT	%	6.3	10.4	
HORSES DIG PROT	%	6.1	10.1	
RABBITS DIG PROT	%	6.1	10.1	
SHEEP DIG PROT	%	6.6	10.8	
ENERGY	GE KCAL/KG			
CATTLE DE	MCAL/KG	1.54	2.53	
SHEEP DE	MCAL/KG	1.59	2.62	
CATTLE ME	MCAL/KG	1.26	2.06	
SHEEP ME	MCAL/KG	1.30	2.15	
CATTLE NE-M	MCAL/KG	0.74	1.23	
CATTLE NE-GAIN	MCAL/KG	0.34	0.57	
CATTLE NE-LACTATION	MCAL/KG	0.77	1.26	
CATTLE TDN	%	34.9	57.5	
SHEEP TDN	%	36.1	59.4	

LUPINUS LUTEUS, LUPINE, YELLOW

LUPINUS LUTEUS YELLOW, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-09-928

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.1	
ASH	%		9.9	1
CRUDE FIBER	%		24.7	1
ETHER EXTRACT	%		3.8	1
NITROGEN FREE EXTRACT	%		41.8	1
PROTEIN	%		20.6	1
CATTLE DIG PROT	%		19.4	
GOATS DIG PROT	%		19.8	
HORSES DIG PROT	%		19.8	
RABBITS DIG PROT	%		18.6	
SHEEP DIG PROT	%		18.2	
ENERGY	GE KCAL/KG			
CATTLE DE	MCAL/KG		2.88	
SHEEP DE	MCAL/KG		2.86	
CATTLE ME	MCAL/KG		2.36	
SHEEP ME	MCAL/KG		2.35	
CATTLE NE-M	MCAL/KG		1.42	
CATTLE NE-GAIN	MCAL/KG		0.83	
CATTLE NE-LACTATION	MCAL/KG		1.53	
CATTLE TDN	%		65.3	
SHEEP TDN	%		66.9	

LUPINUS MUTABILIS, LUPINE, SOUTH AMERICAN

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
LUPINUS MUTABILIS SOUTH AMERICAN, SEEDS, (5)				
REF NO 5-13-550				
DRY MATTER	%	90.0	100.0	3
ORGANIC MATTER	%	86.6	96.2	
ASH	%	3.4	3.8	3
CRUDE FIBER	%	10.4	1.6	3
ETHER EXTRACT	%	23.6	26.3	3
NITROGEN FREE EXTRACT	%	19.6	21.6	3
PROTEIN	%	33.1	36.8	3
ENERGY GE KCAL/KG				
SHEEP DE KCAL/KG *		4.10	4.55	
SHEEP ME KCAL/KG *		3.36	3.73	
SHEEP TDN % *		92.9	103.3	
LUPINUS MUTABILIS SOUTH AMERICAN, SEEDS, COOKED, (5)				
REF NO 5-13-221				
DRY MATTER	%	62.9	100.0	2
ORGANIC MATTER	%	61.4	97.5	
ASH	%	1.5	2.5	2
CRUDE FIBER	%	3.6	5.7	2
ETHER EXTRACT	%	13.2	20.9	2
NITROGEN FREE EXTRACT	%	12.8	20.3	
PROTEIN	%	31.8	50.6	2
ENERGY GE KCAL/KG				
CATTLE DE KCAL/KG *		2.71	4.31	
SHEEP DE KCAL/KG *		2.93	4.66	
CATTLE ME KCAL/KG *		2.22	3.54	
SHEEP ME KCAL/KG *		2.40	3.82	
CATTLE NE-M KCAL/KG *		1.62	2.58	
CATTLE NE-GAIN KCAL/KG *		1.01	1.60	
CATTLE NE-LACTATION KCAL/KG *		1.67	2.65	
CATTLE TDN % *		61.5	97.8	
SHEEP TDN % *		66.5	105.7	
CALCIUM	%	0.15	0.24	2
IRON	%	0.036	0.058	2
PHOSPHORUS	%	0.34	0.55	2
ASCORBIC ACID	MG/KG	21.0	33.4	1
NIACIN	MG/KG	17.5	27.9	2
RIBOFLAVIN	MG/KG	4.2	6.7	2
THIAMINE	MG/KG	2.0	3.1	2
LUPINUS SPP. LUPINE				
LUPINUS SPP. SEEDS, (5)				
REF NO 5-02-707				
DRY MATTER	%	90.4	100.0	1
ORGANIC MATTER	%	86.8	96.0	1
ASH	%	3.6	4.0	1
CRUDE FIBER	%	16.1	17.8	1
ETHER EXTRACT	%	4.1	4.5	1
NITROGEN FREE EXTRACT	%	26.4	29.2	1
PROTEIN	%	40.2	44.5	1
ENERGY GE KCAL/KG				
CATTLE DE KCAL/KG *		2.75	3.04	
SHEEP DE KCAL/KG *		3.11	3.44	
CATTLE ME KCAL/KG *		2.25	2.49	
SHEEP ME KCAL/KG *		2.55	2.82	
CATTLE NE-M KCAL/KG *		1.37	1.52	
CATTLE NE-GAIN KCAL/KG *		0.85	0.94	
CATTLE NE-LACTATION KCAL/KG *		1.50	1.66	
CATTLE TDN % *		62.3	69.0	
SHEEP TDN % *		70.6	78.1	
CALCIUM	%	0.22	0.24	1
PHOSPHORUS	%	0.49	0.54	1
LYCOPERSICON ESCULENTUM, TOMATO				
LYCOPERSICON ESCULENTUM, FRUIT, DEHY GRND, (4)				
REF NO 4-09-738				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.1	
ASH	%		9.9	1
CRUDE FIBER	%		26.6	1
ETHER EXTRACT	%		12.4	1
NITROGEN FREE EXTRACT	%		25.8	1
PROTEIN	%		23.3	1
CATTLE DIG PROT % *			17.4	
GOATS DIG PROT % *			18.6	
HORSES DIG PROT % *			18.6	
SHEEP DIG PROT % *			18.6	
CALCIUM	%		0.93	1
PHOSPHORUS	%		0.52	1
LYCOPERSICON ESCULENTUM, FRUIT, FRESH, (4)				
REF NO 4-09-040				
DRY MATTER	%	6.3	100.0	2
ORGANIC MATTER	%	5.7	91.2	
ASH	%	0.6	8.8	2
CRUDE FIBER	%	0.8	13.6	2
ETHER EXTRACT	%	0.3	5.6	2
NITROGEN FREE EXTRACT	%	3.5	56.8	
PROTEIN	%	1.0	15.2	2
CATTLE DIG PROT % *		0.6	10.0	
GOATS DIG PROT % *		0.7	11.2	
HORSES DIG PROT % *		0.7	11.2	
SHEEP DIG PROT % *		0.7	11.2	
ENERGY GE KCAL/KG				
CATTLE DE KCAL/KG *		0.16	2.62	
SHEEP DE KCAL/KG *		0.19	3.03	
SWINE DE KCAL/KG *		182.	2911.	
CATTLE ME KCAL/KG *		0.13	2.15	
SHEEP ME KCAL/KG *		0.16	2.68	
SWINE ME KCAL/KG *		169.	2705.	
CATTLE NE-M KCAL/KG *		0.06	1.27	
CATTLE NE-GAIN KCAL/KG *		0.04	0.66	
CATTLE NE-LACTATION KCAL/KG *		0.08	1.33	
CATTLE TDN % *		3.7	59.5	
SHEEP TDN % *		4.3	68.7	
SWINE TDN % *		4.1	66.0	
CALCIUM	%	0.01	0.26	2
IRON	%	0.001	0.016	2
PHOSPHORUS	%	0.03	0.48	2
ASCORBIC ACID	MG/KG	183.4	2938.0	2
NIACIN	MG/KG	5.6	88.9	2
RIBOFLAVIN	MG/KG	0.7	12.0	2
THIAMINE	MG/KG	0.6	9.8	1
VITAMIN A EQUIV	IU/G	17.6	281.5	
LYCOPERSICON ESCULENTUM, PULP, RET, (5)				
REF NO 5-09-042				
DRY MATTER	%	23.5	100.0	2
ORGANIC MATTER	%	22.6	96.3	2
ASH	%	0.9	3.7	2
CRUDE FIBER	%	9.0	38.3	2
ETHER EXTRACT	%	2.4	10.3	2
NITROGEN FREE EXTRACT	%	7.3	31.1	2
PROTEIN	%	3.9	16.7	2
ENERGY GE KCAL/KG				
SHEEP DE KCAL/KG *		0.46	2.05	
SHEEP ME KCAL/KG *		0.39	1.68	
SHEEP TDN % *		10.9	46.6	
CALCIUM	%	0.03	0.14	2
IRON	%	0.001	0.003	2
PHOSPHORUS	%	0.09	0.39	2
NIACIN	MG/KG	7.6	32.5	2
LYCOPERSICON ESCULENTUM, SEEDS, (5)				
REF NO 5-09-755				
DRY MATTER	%	91.1	100.0	1
ORGANIC MATTER	%	84.5	92.8	
ASH	%	6.6	7.2	1
CRUDE FIBER	%	17.0	18.6	2
ETHER EXTRACT	%	19.6	21.5	2
NITROGEN FREE EXTRACT	%	22.9	25.2	2
PROTEIN	%	25.0	27.4	2
ENERGY GE KCAL/KG				
CATTLE DE KCAL/KG *		3.55	3.90	
SHEEP DE KCAL/KG *		3.46	3.82	
CATTLE ME KCAL/KG *		2.91	3.19	
SHEEP ME KCAL/KG *		2.85	3.13	
CATTLE NE-M KCAL/KG *		1.97	2.17	
CATTLE NE-GAIN KCAL/KG *		1.30	1.42	
CATTLE NE-LACTATION KCAL/KG *		2.17	2.23	
CATTLE TDN % *		80.5	88.4	
SHEEP TDN % *		78.9	86.6	
CALCIUM	%	0.85	0.93	1
PHOSPHORUS	%	(0.47)	(0.52)	1
MALT HULLS (AAFCO)				
*SEE HORDEUM VULGARE, MALT HULLS, (1)				
MALT SPROUTS (AAFCO)				
*SEE HORDEUM VULGARE, MALT SPROUTS W HULLS, DEHY, MN 26% PROTEIN, (5)				
MALT SPROUTS (CFA)				
*SEE HORDEUM VULGARE, MALT SPROUTS W HULLS, DEHY, (5)				

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MALUS SPP. APPLES						
MALUS SPP. PULP, DRY GRND. (4) DRIED APPLE POMACE (AAFCO)						
REF NO 4-00-423						
DRY MATTER		%	(89.8)	(100.0)	1	6
ORGANIC MATTER		%	87.3	97.7		
ASH		%	2.1	2.3	16	4
CRUDE FIBER		%	27.0	30.2	99	5
CATTLE	DIG COEF	%	54.	54.		2
SHEEP	DIG COEF	%	64.	64.		1
ETHER EXTRACT		%	4.4	4.9	32	5
CATTLE	DIG COEF	%	35.	35.		2
SHEEP	DIG COEF	%	35.	35.		1
NITROGEN FREE EXTRACT		%	50.9	57.0	2	5
CATTLE	DIG COEF	%	62.	62.		2
SHEEP	DIG COEF	% *	78.	78.		
PROTEIN		%	5.0	5.6		3
SHEEP	DIG COEF	%	37.	37.		1
CATTLE	DIG PROT	% *	1.0	1.1		
GOATS	DIG PROT	% *	2.1	2.3		
HORSES	DIG PROT	% *	2.1	2.3		
SHEEP	DIG PROT	%	(1.6)	(2.1)		
PECTINS		%	(8.5)	(9.7)		1
PENTOSANS		%	14.1	16.0		1
ENERGY	GE	KCAL/KG	1857.	2078.		1
CATTLE	DE	MCAL/KG *	2.74	3.08		
SHEEP	DE	MCAL/KG *	2.75	3.07		
SWINE	DE	KCAL/KG *	1625.	1819.		
CATTLE	ME	MCAL/KG *	2.24	2.53		
SHEEP	ME	MCAL/KG *	2.25	2.52		
SWINE	ME	KCAL/KG *	1542.	1725.		
CATTLE	NE-M	MCAL/KG *	1.38	1.54		
CATTLE	NE-GAIN	MCAL/KG *	0.87	0.97		
CATTLE	NE-LACTATION	MCAL/KG *	1.51	1.69		
CATTLE	TDN	%	62.5	70.0		2
SHEEP	TDN	% *	62.3	69.7		
SWINE	TDN	% *	(36.9)	(41.2)		
CALCIUM		%	(0.11)	(0.12)		3
IRON		%	(0.027)	(0.030)		2
MAGNESIUM		%	(0.06)	(0.07)		2
MANGANESE		MG/KG	(7.2)	(8.1)		2
PHOSPHORUS		%	(0.10)	(0.11)		3
POTASSIUM		%	(0.44)	(0.49)		2
SODIUM		%	(0.12)	(0.14)		2
SULPHUR		%	0.02	0.02		1
MALUS SYLVESTRIS. APPLE. SYLVESTRIS						
MALUS SYLVESTRIS SYLVESTRIS. FRUIT. FRESH. (4)						
REF NO 4-13-337						
DRY MATTER		%	18.0	100.0		2
ORGANIC MATTER		%	17.7	98.3		
ASH		%	0.3	1.7		2
CRUDE FIBER		%	1.1	6.1		2
ETHER EXTRACT		%	0.2	1.1		2
NITROGEN FREE EXTRACT		%	16.1	89.5		
PROTEIN		%	0.3	1.7		2
CATTLE	DIG PROT	% *	-0.4	-2.4		
GOATS	DIG PROT	% *	-0.2	-1.2		
HORSES	DIG PROT	% *	-0.2	-1.2		
SHEEP	DIG PROT	% *	-0.2	-1.2		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.66	3.77		
SHEEP	ME	MCAL/KG *	0.56	3.09		
SHEEP	TDN	% *	15.4	85.5		
CALCIUM		%	0.01	0.06		2
IRON		%	0.001	0.006		2
PHOSPHORUS		%	0.01	0.06		2
ASCORBIC ACID		MG/KG	50.2	278.7		2
NIACIN		MG/KG	3.1	17.2		2
RIBOFLAVIN		MG/KG	0.4	2.2		2
THIAMINE		MG/KG	0.4	2.2		2
VITAMIN A EQUIV		IU/G	1.5	8.1		
MAMMILLARIA AIRAMPUS						
MAMMILLARIA AIRAMPUS AIRAMPUS. AERIAL PART. FRESH. (2)						
REF NO 2-11-777						
DRY MATTER		%	17.0	100.0		1
ORGANIC MATTER		%	14.7	86.5		
ASH		%	2.3	13.5		1
CRUDE FIBER		%	4.2	24.7		1
ETHER EXTRACT		%	0.7	4.1		1
NITROGEN FREE EXTRACT		%	7.5	44.1		1
PROTEIN		%	2.3	13.5		1
CATTLE	DIG PROT	% *	1.6	9.4		
GOATS	DIG PROT	% *	1.6	9.2		
HORSES	DIG PROT	% *	1.5	9.0		
RABBITS	DIG PROT	% *	1.5	9.1		
SHEEP	DIG PROT	% *	1.6	9.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.86		
SHEEP	DE	MCAL/KG *	0.46	2.71		
CATTLE	ME	MCAL/KG *	0.40	2.34		
SHEEP	ME	MCAL/KG *	0.38	2.23		
CATTLE	NE-M	MCAL/KG *	0.24	1.40		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.82		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.52		
CATTLE	TDN	% *	11.0	64.8		
SHEEP	TDN	% *	10.5	61.6		
MAMMILLARIA AIRAMPUS AIRAMPUS. LEAVES. FRESH. (2)						
REF NO 2-11-776						
DRY MATTER		%	7.6	100.0		2
ORGANIC MATTER		%	6.2	81.5		
ASH		%	1.4	18.5		2
CRUDE FIBER		%	2.3	30.2		2
ETHER EXTRACT		%	0.3	4.0		2
NITROGEN FREE EXTRACT		%	1.3	17.5		2
PROTEIN		%	2.3	29.8		2
CATTLE	DIG PROT	% *	1.8	23.2		
GOATS	DIG PROT	% *	1.9	24.6		
HORSES	DIG PROT	% *	1.7	22.8		
RABBITS	DIG PROT	% *	1.6	21.7		
SHEEP	DIG PROT	% *	1.9	24.8		
MANGEL. ROOTS *SEE BETA SPP MANGEL. ROOTS. FRESH. (2)						
MANGIFERA INDICA. MANGO. COMMON						
MANGIFERA INDICA COMMON. FRUIT. FRESH. (4)						
REF NO 4-13-401						
DRY MATTER		%	16.8	100.0		2
ORGANIC MATTER		%	16.5	98.3		
ASH		%	0.3	1.7		2
CRUDE FIBER		%	0.8	4.5		2
ETHER EXTRACT		%	0.2	1.2		2
NITROGEN FREE EXTRACT		%	15.2	90.7		
PROTEIN		%	0.3	1.9		2
CATTLE	DIG PROT	% *	-0.4	-2.3		
GOATS	DIG PROT	% *	-0.2	-1.0		
HORSES	DIG PROT	% *	-0.2	-1.0		
SHEEP	DIG PROT	% *	-0.2	-1.0		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.64	3.80		
SHEEP	ME	MCAL/KG *	0.52	3.12		
SHEEP	TDN	% *	14.5	86.2		
CALCIUM		%	0.01	0.06		2
PHOSPHORUS		%	0.02	0.12		2
ASCORBIC ACID		MG/KG	210.6	1253.6		2
NIACIN		MG/KG	4.0	23.7		2
RIBOFLAVIN		MG/KG	0.6	3.4		2
THIAMINE		MG/KG	0.5	2.9		2
VITAMIN A EQUIV		IU/G	12.6	74.9		
MANGIFERA INDICA COMMON. PEELINGS. DEHY. (4)						
REF NO 4-13-470						
DRY MATTER		%	89.9	100.0		2
ORGANIC MATTER		%	86.5	96.2		
ASH		%	3.4	3.8		2
CRUDE FIBER		%	13.9	15.5		2
ETHER EXTRACT		%	2.4	2.7		2
NITROGEN FREE EXTRACT		%	65.1	72.4		2
PROTEIN		%	5.1	5.7		2
CATTLE	DIG PROT	% *	1.1	1.2		
GOATS	DIG PROT	% *	2.2	2.4		
HORSES	DIG PROT	% *	2.2	2.4		
SHEEP	DIG PROT	% *	2.2	2.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.63	2.92		
SHEEP	DE	MCAL/KG *	3.07	3.42		
SWINE	DE	KCAL/KG *	3000.	3337.		
CATTLE	ME	MCAL/KG *	2.15	2.40		
SHEEP	ME	MCAL/KG *	2.52	2.80		
SWINE	ME	KCAL/KG *	2846.	3165.		
CATTLE	NE-M	MCAL/KG *	1.30	1.44		
CATTLE	NE-GAIN	MCAL/KG *	0.78	0.86		
CATTLE	NE-LACTATION	MCAL/KG *	1.41	1.57		
CATTLE	TDN	% *	59.6	66.3		
SHEEP	TDN	% *	69.6	77.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SWINE		TDN % *	68.0	75.7		

MANIHOT ESCULENTA, CASSAVA, COMMON

MANIHOT ESCULENTA COMMON, AERIAL PART, DEHY GRND, (1)

REF NO 1-09-652

DRY MATTER		%	90.3	100.0		3
ORGANIC MATTER		%	83.3	92.3		
ASH		%	6.9	7.7	34	4
CRUDE FIBER		%	24.7	27.3	21	4
ETHER EXTRACT		%	4.7	5.2	53	4
NITROGEN FREE EXTRACT		%	43.0	47.7	14	4
PROTEIN		%	10.9	12.1	54	4
CATTLE	DIG PROT	% *	6.7	7.4		
GOATS	DIG PROT	% *	7.1	7.9		
HORSES	DIG PROT	% *	7.1	7.8		
RABBITS	DIG PROT	% *	7.3	8.0		
SHEEP	DIG PROT	% *	6.7	7.4		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	2.39	2.64		
HORSES	DE	MCAL/KG *	1.69	1.87		
SHEEP	DE	MCAL/KG *	2.32	2.57		
CATTLE	ME	MCAL/KG *	1.96	2.17		
HORSES	ME	MCAL/KG *	1.38	1.53		
SHEEP	ME	MCAL/KG *	1.90	2.10		
CATTLE	NE-M	MCAL/KG *	1.16	1.28		
CATTLE	NE-GAIN	MCAL/KG *	0.59	0.66		
CATTLE	NE-LACTATION	MCAL/KG *	1.22	1.35		
CATTLE		TDN % *	54.1	59.9		
HORSES		TDN % *	42.0	46.5		
SHEEP		TDN % *	52.6	58.2		
CALCIUM		%	0.54	0.60		1
PHOSPHORUS		%	0.23	0.26		1

MANIHOT ESCULENTA COMMON, HAY, S-C, (1)

REF NO 1-11-955

DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.8		
ASH		%		9.3		2
CRUDE FIBER		%		21.1		2
ETHER EXTRACT		%		4.7		2
NITROGEN FREE EXTRACT		%		49.5		2
PROTEIN		%		15.6		2
CATTLE	DIG PROT	% *		10.4		
GOATS	DIG PROT	% *		11.1		
HORSES	DIG PROT	% *		10.7		
RABBITS	DIG PROT	% *		10.7		
SHEEP	DIG PROT	% *		10.5		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *		2.91		
HORSES	DE	MCAL/KG *		1.68		
SHEEP	DE	MCAL/KG *		2.79		
CATTLE	ME	MCAL/KG *		2.38		
HORSES	ME	MCAL/KG *		1.37		
SHEEP	ME	MCAL/KG *		2.29		
CATTLE	NE-M	MCAL/KG *		1.43		
CATTLE	NE-GAIN	MCAL/KG *		0.85		
CATTLE	NE-LACTATION	MCAL/KG *		1.56		
CATTLE		TDN % *		66.0		
HORSES		TDN % *		41.2		
SHEEP		TDN % *		63.8		
CALCIUM		%		1.03		1
PHOSPHORUS		%		0.30		1

MANIHOT ESCULENTA COMMON, LEAVES, DEHY GRND, (1)

REF NO 1-10-766

DRY MATTER		%	96.1	100.0	1	4
ORGANIC MATTER		%	87.0	92.5	10	4
ASH		%	7.1	7.5	10	4
CRUDE FIBER		%	13.6	14.5	15	4
ETHER EXTRACT		%	10.7	11.4	21	4
NITROGEN FREE EXTRACT		%	38.6	41.0	6	4
PROTEIN		%	24.0	25.5	21	4
CATTLE	DIG PROT	% *	17.9	19.1		
GOATS	DIG PROT	% *	19.2	20.4		
HORSES	DIG PROT	% *	18.1	19.2		
RABBITS	DIG PROT	% *	17.3	18.4		
SHEEP	DIG PROT	% *	18.3	19.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO

MANIHOT ESCULENTA COMMON, LEAVES, S-C, (1)

REF NO 1-13-552

DRY MATTER		%	69.8	100.0	12	4
ORGANIC MATTER		%	64.1	91.9	26	2
ASH		%	7.3	10.4	26	4
CRUDE FIBER		%	12.6	18.0		2
ETHER EXTRACT		%	4.4	6.3	25	4
NITROGEN FREE EXTRACT		%	26.7	38.3		2
PROTEIN		%	18.8	26.9		2
CATTLE	DIG PROT	% *	16.1	20.3		
GOATS	DIG PROT	% *	15.1	21.7		
HORSES	DIG PROT	% *	14.2	20.4		
RABBITS	DIG PROT	% *	13.6	19.5		
SHEEP	DIG PROT	% *	14.5	20.7		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	1.94	2.78		
SHEEP	DE	MCAL/KG *	2.15	3.08		
CATTLE	ME	MCAL/KG *	1.59	2.28		
SHEEP	ME	MCAL/KG *	1.76	2.52		
CATTLE	NE-M	MCAL/KG *	0.95	1.36		
CATTLE	NE-GAIN	MCAL/KG *	0.53	0.76		
CATTLE	NE-LACTATION	MCAL/KG *	1.02	1.46		
CATTLE		TDN % *	44.0	63.1		
SHEEP		TDN % *	48.7	69.8		
CALCIUM		%	2.95	4.23		2
MAGNESIUM		%	1.64	2.35		2
PHOSPHORUS		%	0.74	1.06		2
POTASSIUM		%	1.74	2.50		2

MANIHOT ESCULENTA COMMON, AERIAL PART, FRESH, (2)

REF NO 2-09-627

DRY MATTER		%		100.0	
ORGANIC MATTER		%		92.2	1
ASH		%		9.8	2
CRUDE FIBER		%		25.0	2
ETHER EXTRACT		%		5.4	2
NITROGEN FREE EXTRACT		%		38.7	2
PROTEIN		%		21.0	2
CATTLE	DIG PROT	% *		15.8	
GOATS	DIG PROT	% *		16.2	
HORSES	DIG PROT	% *		15.4	
RABBITS	DIG PROT	% *		14.9	
SHEEP	DIG PROT	% *		16.6	
ENERGY	GE	MCAL/KG			
SHEEP	DE	MCAL/KG *		3.07	
SHEEP	ME	MCAL/KG *		2.52	
SHEEP		TDN % *		69.7	

MANIHOT ESCULENTA COMMON, LEAVES, FRESH, (2)

REF NO 2-01-153

DRY MATTER		%	26.1	100.0	25	15
ORGANIC MATTER		%	23.8	91.0	24	10
ASH		%	2.3	8.7	24	16
CRUDE FIBER		%	4.0	15.3	36	16
ETHER EXTRACT		%	2.7	10.4	42	16
NITROGEN FREE EXTRACT		%	10.5	40.1	23	16
PROTEIN		%	6.7	25.5	20	16
CATTLE	DIG PROT	% *	5.1	19.5		
GOATS	DIG PROT	% *	5.3	20.3		
HORSES	DIG PROT	% *	5.0	19.2		
RABBITS	DIG PROT	% *	4.8	18.3		
SHEEP	DIG PROT	% *	5.4	20.7		
CALCIUM		%	0.69	2.62		3
COPPER		MG/KG	2.6	9.9		1
IRON		%	0.882	3.373		3
MAGNESIUM		%	0.12	0.45		1
MANGANESE		MG/KG	93.9	359.0		1
PHOSPHORUS		%	0.06	0.22		3
NIACIN		MG/KG	17.6	67.2		1
RIBOFLAVIN		MG/KG	2.8	10.7		1
THIAMINE		MG/KG	1.2	4.7		1
VITAMIN A		IU/G	10.3	39.5		1
VITAMIN A EQUIV		IU/G	1.0	4.0		

MANIHOT ESCULENTA COMMON, PEELINGS, COOKED, (4)

REF NO 4-10-539

DRY MATTER		%	32.9	100.0		1
ORGANIC MATTER		%	31.8	96.8		
ASH		%	1.1	3.2		1
CRUDE FIBER		%	2.6	8.0		1
ETHER EXTRACT		%	0.2	0.6		1
NITROGEN FREE EXTRACT		%	26.4	80.3		1
PROTEIN		%	2.6	7.9		1
CATTLE	DIG PROT	% *	1.1	3.3		
GOATS	DIG PROT	% *	1.5	4.5		
HORSES	DIG PROT	% *	1.5	4.5		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % •	1.5	4.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG •	1.10	3.34		
SHEEP	DE MCAL/KG •	1.21	3.68		
SWINE	DE KCAL/KG •	1245.	3786.		
CATTLE	ME MCAL/KG •	0.90	2.74		
SHEEP	ME MCAL/KG •	0.99	3.02		
SWINE	ME KCAL/KG •	1176.	3574.		
CATTLE	NE-M MCAL/KG •	0.56	1.72		
CATTLE	NE-GAIN MCAL/KG •	0.37	1.13		
CATTLE	NE-LACTATION MCAL/KG •	0.62	1.89		
CATTLE	TDN % •	24.9	75.7		
SHEEP	TDN % •	27.5	83.5		
SWINE	TDN % •	28.2	85.9		

MANIHOT ESCULENTA COMMON, PEELINGS, DEHY. (4)

REF NO 4-11-937

DRY MATTER	%	87.6	100.0	2	10
ORGANIC MATTER	%	85.9	98.0	42	1
ASH	%	3.0	3.4	47	15
CRUDE FIBER	%	5.8	6.6	75	15
ETHER EXTRACT	%	1.0	1.1	42	15
NITROGEN FREE EXTRACT	%	73.0	83.3	4	15
PROTEIN	%	4.8	5.5	58	15
CATTLE	DIG PROT % •	0.9	1.1		
GOATS	DIG PROT % •	2.0	2.3		
HORSES	DIG PROT % •	2.0	2.3		
SHEEP	DIG PROT % •	2.0	2.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG •	2.91	3.32		
SHEEP	DE MCAL/KG •	3.24	3.69		
SWINE	DE KCAL/KG •	3372.	3849.		
CATTLE	ME MCAL/KG •	2.38	2.72		
SHEEP	ME MCAL/KG •	2.65	3.03		
SWINE	ME KCAL/KG •	3200.	3652.		
CATTLE	NE-M MCAL/KG •	1.49	1.70		
CATTLE	NE-GAIN MCAL/KG •	0.98	1.12		
CATTLE	NE-LACTATION MCAL/KG •	1.64	1.88		
CATTLE	TDN % •	65.9	75.2		
SHEEP	TDN % •	73.4	83.7		
SWINE	TDN % •	76.5	87.3		
CALCIUM	%	0.32	0.36	53	4
PHOSPHORUS	%	0.12	0.14	91	4

MANIHOT ESCULENTA COMMON, PEELINGS, DEHY GRND, (4)

REF NO 4-11-954

DRY MATTER	%	87.5	100.0		3
ORGANIC MATTER	%	84.1	96.1	77	2
ASH	%	3.8	4.4	77	4
CRUDE FIBER	%	5.8	6.7	63	4
ETHER EXTRACT	%	1.4	1.6	98	4
NITROGEN FREE EXTRACT	%	73.4	83.9	9	4
PROTEIN	%	3.0	3.4	34	4
CATTLE	DIG PROT % •	-0.7	-0.8		
GOATS	DIG PROT % •	0.3	0.4		
HORSES	DIG PROT % •	0.3	0.4		
SHEEP	DIG PROT % •	0.3	0.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG •	2.73	3.12		
SHEEP	DE MCAL/KG •	3.20	3.65		
SWINE	DE KCAL/KG •	3336.	3814.		
CATTLE	ME MCAL/KG •	2.24	2.56		
SHEEP	ME MCAL/KG •	2.62	3.00		
SWINE	ME KCAL/KG •	3180.	3635.		
CATTLE	NE-M MCAL/KG •	1.37	1.57		
CATTLE	NE-GAIN MCAL/KG •	0.87	1.00		
CATTLE	NE-LACTATION MCAL/KG •	1.51	1.72		
CATTLE	TDN % •	62.0	70.9		
SHEEP	TDN % •	72.5	82.9		
SWINE	TDN % •	75.7	86.5		
CALCIUM	%	0.26	0.29		3
PHOSPHORUS	%	0.08	0.09		3

MANIHOT ESCULENTA COMMON, PEELINGS, FRESH, (4)

REF NO 4-09-900

DRY MATTER	%	28.2	100.0	20	19
ORGANIC MATTER	%	26.8	95.3	49	14
ASH	%	1.3	4.5	49	24
CRUDE FIBER	%	3.4	12.0	26	23
ETHER EXTRACT	%	0.5	1.7	39	24
NITROGEN FREE EXTRACT	%	21.4	75.9	36	22
PROTEIN	%	1.7	5.9	42	24
CATTLE	DIG PROT % •	0.4	1.4		
GOATS	DIG PROT % •	0.7	2.6		
HORSES	DIG PROT % •	0.7	2.6		
SHEEP	DIG PROT % •	0.7	2.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG •	0.84	2.97		
SHEEP	DE MCAL/KG •	0.99	3.51		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SWINE	DE KCAL/KG •	999.	3546.		
CATTLE	ME MCAL/KG •	0.69	2.43		
SHEEP	ME MCAL/KG •	0.81	2.88		
SWINE	ME KCAL/KG •	947.	3362.		
CATTLE	NE-M MCAL/KG •	0.41	1.47		
CATTLE	NE-GAIN CAL/KG •	0.25	0.90		
CATTLE	NE-LACTATION MCAL/KG •	0.45	1.60		
CATTLE	TDN % •	19.0	67.3		
SHEEP	TDN % •	22.4	79.6		
SWINE	TDN % •	22.6	80.4		

MANIHOT ESCULENTA COMMON, PULP, FRESH, (4)

REF NO 4-10-769

DRY MATTER	%	34.7	100.0	25	4
ORGANIC MATTER	%	33.7	97.1	17	4
ASH	%	1.0	2.9	17	4
CRUDE FIBER	%	0.9	2.6	37	4
ETHER EXTRACT	%	0.1	0.4	22	4
NITROGEN FREE EXTRACT	%	31.7	91.5	1	4
PROTEIN	%	0.9	2.6	16	4
CATTLE	DIG PROT % •	-0.5	-1.6		
GOATS	DIG PROT % •	-0.1	-0.4		
HORSES	DIG PROT % •	-0.1	-0.4		
SHEEP	DIG PROT % •	-0.1	-0.4		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG •	1.31	3.79		
SWINE	DE KCAL/KG •	1402.	4043.		
SHEEP	ME MCAL/KG •	1.08	3.11		
SWINE	ME KCAL/KG •	1339.	3860.		
SHEEP	TDN % •	29.6	86.0		
SWINE	TDN % •	31.6	91.7		

MANIHOT ESCULENTA COMMON, ROOT FLOUR, FINE GRND, (4)
TAPIOCA FLOUR

REF NO 4-01-154

DRY MATTER	%	90.4	100.0		3
ORGANIC MATTER	%	88.7	98.2		
ASH	%	1.7	1.8		3
CRUDE FIBER	%	3.1	3.4		3
ETHER EXTRACT	%	0.7	0.8		3
NITROGEN FREE EXTRACT	%	81.8	90.5		3
PROTEIN	%	3.2	3.5		3
CATTLE	DIG PROT % •	-0.7	-0.8		
GOATS	DIG PROT % •	0.4	0.4		
HORSES	DIG PROT % •	0.4	0.4		
SHEEP	DIG PROT % •	0.4	0.4		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG •	3.45	3.82		
SWINE	DE KCAL/KG •	3635.	4023.		
SHEEP	ME MCAL/KG •	2.83	3.13		
SWINE	ME KCAL/KG •	3464.	3833.		
SHEEP	TDN % •	78.2	86.6		
SWINE	TDN % •	82.4	91.2		

MANIHOT ESCULENTA COMMON, ROOT FLOUR W 3% SALT ADDED, FINE GRND, (4)

REF NO 4-13-240

DRY MATTER	%	39.6	100.0		1
ORGANIC MATTER	%	33.5	84.7		
ASH	%	6.1	15.3		1
CRUDE FIBER	%	1.5	3.7		1
ETHER EXTRACT	%	0.2	0.4		1
NITROGEN FREE EXTRACT	%	31.2	78.8		1
PROTEIN	%	0.7	1.8		1
CATTLE	DIG PROT % •	-0.9	-2.3		
GOATS	DIG PROT % •	-0.4	-1.1		
HORSES	DIG PROT % •	-0.4	-1.1		
SHEEP	DIG PROT % •	-0.4	-1.1		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG •	1.33	3.36		
SHEEP	ME MCAL/KG •	1.09	2.76		
SHEEP	TDN % •	30.2	76.3		

MANIHOT ESCULENTA COMMON, ROOTS, COOKED, (4)

REF NO 4-10-538

DRY MATTER	%	35.6	100.0		1
ORGANIC MATTER	%	35.1	98.6		
ASH	%	0.5	1.4		1
CRUDE FIBER	%	0.9	2.4		1
ETHER EXTRACT	%	0.0	0.1		1
NITROGEN FREE EXTRACT	%	32.8	92.1		1
PROTEIN	%	1.4	4.0		1
CATTLE	DIG PROT % •	-0.1	-0.3		
GOATS	DIG PROT % •	0.3	0.9		
HORSES	DIG PROT % •	0.3	0.9		
SHEEP	DIG PROT % •	0.3	0.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MANIHOT ESCULENTA COMMON, ROOTS, DEHY GRND, (4)					
REF NO 4-04-598					
DRY MATTER	%	87.7	100.0	6	13
ORGANIC MATTER	%	85.0	96.8	99	2
ASH	%	5.6	6.4	99	16
CRUDE FIBER	%	3.3	3.8	68	16
ETHER EXTRACT	%	1.0	1.1	98	15
NITROGEN FREE EXTRACT	%	73.7	84.0	11	15
PROTEIN	%	4.1	4.6	60	15
CATTLE DIG PROT	% *	0.3	0.3		
GOATS DIG PROT	% *	1.3	1.5		
HORSES DIG PROT	% *	1.3	1.5		
SHEEP DIG PROT	% *	1.3	1.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	2.62	2.99		
SHEEP DE MCAL/KG	*	3.21	3.65		
SWINE DE KCAL/KG	*	3300.	3761.		
CATTLE ME MCAL/KG	*	2.15	2.45		
SHEEP ME MCAL/KG	*	2.63	3.00		
SWINE ME KCAL/KG	*	3137.	3575.		
CATTLE NE-M MCAL/KG	*	1.30	1.48		
CATTLE NE-GAIN MCAL/KG	*	0.80	0.91		
CATTLE NE-LACTATION MCAL/KG	*	1.42	1.62		
CATTLE TDN	% *	59.5	67.8		
SHEEP TDN	% *	72.7	82.9		
SWINE TDN	% *	74.8	85.3		
CALCIUM	%	0.25	0.29		1
PHOSPHORUS	%	0.05	0.06		1
MANIHOT ESCULENTA COMMON, ROOTS, FRESH, (4)					
REF NO 4-04-599					
DRY MATTER	%	37.1	100.0	18	98
ORGANIC MATTER	%	36.1	97.2	35	27
ASH	%	1.1	3.0	35	98
CRUDE FIBER	%	1.6	4.3	73	98
ETHER EXTRACT	%	0.3	0.9	89	98
NITROGEN FREE EXTRACT	%	32.8	88.3	10	98
PROTEIN	%	1.3	3.5	78	98
CATTLE DIG PROT	% *	-0.3	-0.8		
GOATS DIG PROT	% *	0.2	0.4		
HORSES DIG PROT	% *	0.2	0.4		
SHEEP DIG PROT	% *	0.2	0.4		
GLUCOSIDES	%	2.7	7.3	14	4
STARCH	%	28.9	77.9	7	78
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG	*	1.39	3.76		
SWINE DE KCAL/KG	*	1470.	3960.		
SHEEP ME MCAL/KG	*	1.14	3.08		
SWINE ME KCAL/KG	*	1400.	3774.		
SHEEP TDN	% *	31.6	85.3		
SWINE TDN	% *	33.3	89.8		
CALCIUM	%	0.10	0.26	57	32
COPPER	MG/KG	3.7	10.0		1
IRON	%	0.005	0.014		1
MAGNESIUM	%	0.02	0.06		1
MANGANESE	MG/KG	7.4	19.9		1
PHOSPHORUS	%	0.06	0.16	20	33
POTASSIUM	%	0.40	1.09	18	29
SULPHUR	%	0.42	1.13		1
MANIHOT ESCULENTA COMMON, ROOTS, GRND CAKED, (4)					
REF NO 4-11-984					
DRY MATTER	%	27.5	100.0		1
ORGANIC MATTER	%	26.7	97.0		1
ASH	%	0.8	3.0		1
CRUDE FIBER	%	8.6	31.4		1
ETHER EXTRACT	%	0.1	0.2		1
NITROGEN FREE EXTRACT	%	17.3	63.0		1
PROTEIN	%	0.7	2.4		1
CATTLE DIG PROT	% *	-0.5	-1.8		
GOATS DIG PROT	% *	-0.2	-0.6		
HORSES DIG PROT	% *	-0.2	-0.6		
SHEEP DIG PROT	% *	-0.2	-0.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	0.92	3.33		
SWINE DE KCAL/KG	*	600.	2184.		
CATTLE ME MCAL/KG	*	0.75	2.73		
SWINE ME KCAL/KG	*	574.	2086.		
CATTLE NE-M MCAL/KG	*	0.47	1.71		
CATTLE NE-GAIN MCAL/KG	*	0.31	1.13		
CATTLE NE-LACTATION MCAL/KG	*	0.52	1.89		
CATTLE TDN	% *	20.8	75.6		
SWINE TDN	% *	13.6	49.5		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MANIHOT ESCULENTA COMMON, ROOTS W LEAVES W SOME STEMS, DEHY GRND, (4)					
REF NO 4-11-957					
DRY MATTER	%	88.8	100.0		1
ORGANIC MATTER	%	74.8	84.2		1
ASH	%	14.0	15.8		1
CRUDE FIBER	%	3.3	3.7		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	67.2	75.7		1
PROTEIN	%	3.5	3.9		1
CATTLE DIG PROT	% *	-0.4	-0.4		
GOATS DIG PROT	% *	0.7	0.8		
HORSES DIG PROT	% *	0.7	0.8		
SHEEP DIG PROT	% *	0.7	0.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	1.56	1.76		
SHEEP DE MCAL/KG	*	2.97	3.34		
SWINE DE KCAL/KG	*	2992.	3369.		
CATTLE ME MCAL/KG	*	1.28	1.44		
SHEEP ME MCAL/KG	*	2.43	2.74		
SWINE ME KCAL/KG	*	2849.	3208.		
CATTLE NE-M MCAL/KG	*	0.79	0.89		
CATTLE NE-GAIN MCAL/KG	*	-0.16	-0.18		
CATTLE NE-LACTATION MCAL/KG	*	0.59	0.66		
CATTLE TDN	% *	35.5	40.0		
SHEEP TDN	% *	67.3	75.8		
SWINE TDN	% *	67.9	76.4		
CALCIUM	%	1.70	1.92		1
PHOSPHORUS	%	0.36	0.40		1
MANIHOT ESCULENTA COMMON, ROOTS NO PEELINGS, COOKED, (4)					
REF NO 4-10-540					
DRY MATTER	%	47.0	100.0		1
ORGANIC MATTER	%	46.3	98.6		
ASH	%	0.7	1.4		1
CRUDE FIBER	%	1.0	2.1		1
ETHER EXTRACT	%	0.1	0.2		1
NITROGEN FREE EXTRACT	%	43.9	93.3		1
PROTEIN	%	1.4	3.0		1
CATTLE DIG PROT	% *	-0.6	-1.2		
GOATS DIG PROT	% *	-0.0	-0.0		
HORSES DIG PROT	% *	-0.0	-0.0		
SHEEP DIG PROT	% *	-0.0	-0.0		
MANIHOT ESCULENTA COMMON, ROOTS NO PEELINGS, FRESH, (4)					
REF NO 4-04-901					
DRY MATTER	%	34.9	100.0	14	15
ORGANIC MATTER	%	34.0	97.4	52	11
ASH	%	1.0	2.9	52	25
CRUDE FIBER	%	1.1	3.2	34	24
ETHER EXTRACT	%	0.3	0.8	34	24
NITROGEN FREE EXTRACT	%	31.5	90.3	3	24
PROTEIN	%	1.0	2.8	42	25
CATTLE DIG PROT	% *	-0.5	-1.4		
GOATS DIG PROT	% *	-0.1	-0.2		
HORSES DIG PROT	% *	-0.1	-0.2		
SHEEP DIG PROT	% *	-0.1	-0.2		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG	*	1.32	3.78		
SWINE DE KCAL/KG	*	1393.	3990.		
SHEEP ME MCAL/KG	*	1.08	3.10		
SWINE ME KCAL/KG	*	1330.	3808.		
SHEEP TDN	% *	30.0	85.8		
SWINE TDN	% *	31.6	90.5		
MANIHOT ESCULENTA COMMON, ROOTS NO PEELINGS, S-C GRND, (4)					
REF NO 4-13-553					
DRY MATTER	%	90.4	100.0		2
ORGANIC MATTER	%	87.1	96.4		
ASH	%	3.3	3.6		2
CRUDE FIBER	%	4.1	4.5		2
ETHER EXTRACT	%	0.8	0.9		2
NITROGEN FREE EXTRACT	%	78.0	86.3		2
PROTEIN	%	4.2	4.7		2
CATTLE DIG PROT	% *	0.3	0.3		
GOATS DIG PROT	% *	1.4	1.5		
HORSES DIG PROT	% *	1.4	1.5		
SHEEP DIG PROT	% *	1.4	1.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	3.07	3.39		
SHEEP DE MCAL/KG	*	3.38	3.74		
SWINE DE KCAL/KG	*	3520.	3907.		
CATTLE ME MCAL/KG	*	2.51	2.78		
SHEEP ME MCAL/KG	*	2.77	3.06		
SWINE ME KCAL/KG	*	3353.	3714.		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CATTLE	NE-M	MCAL/KG *	1.59	1.76	
CATTLE	NE-GAIN	MCAL/KG *	1.05	1.16	
CATTLE	NE-LACTATION	MCAL/KG *	1.75	1.94	
CATTLE		TDN % *	69.5	77.0	
SHEEP		TDN % *	76.6	84.8	
SWINE		TDN % *	80.1	88.6	

MANIHOT ESCULENTA COMMON, STARCH BY-PRODUCT, DEHY, (4)

REF NO 4-11-947

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	85.8	100.0	2
ORGANIC MATTER		%	83.2	97.0	2
ASH		%	2.6	3.0	2
CRUDE FIBER		%	9.9	11.5	2
ETHER EXTRACT		%	0.6	0.7	2
NITROGEN FREE EXTRACT		%	71.4	83.2	2
PROTEIN		%	1.3	1.5	2
CATTLE	DIG PROT	% *	-2.2	-2.6	
GOATS	DIG PROT	% *	-1.2	-1.4	
HORSES	DIG PROT	% *	-1.2	-1.4	
SHEEP	DIG PROT	% *	-1.2	-1.4	
CALCIUM		%	0.38	0.44	2
IRON		%	0.044	0.051	2

MANIHOT ESCULENTA COMMON, STARCH BY-PRODUCT, WET, (4)

REF NO 4-11-948

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	4.5	100.0	1
ORGANIC MATTER		%	4.4	97.8	1
ASH		%	0.1	2.2	1
CRUDE FIBER		%	0.9	20.0	1
NITROGEN FREE EXTRACT		%	3.3	73.3	1
PROTEIN		%	0.2	4.4	1
CATTLE	DIG PROT	% *	0.0	0.1	
GOATS	DIG PROT	% *	0.1	1.3	
HORSES	DIG PROT	% *	0.1	1.3	
SHEEP	DIG PROT	% *	0.1	1.3	

MANIHOT SPP, CASSAVA

MANIHOT SPP, AERIAL PART, DEHY, (1)

REF NO 1-13-338

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	94.9	100.0	1
ORGANIC MATTER		%	93.7	98.7	1
ASH		%	1.2	1.3	1
CRUDE FIBER		%	22.8	24.0	1
ETHER EXTRACT		%	0.7	0.7	1
NITROGEN FREE EXTRACT		%	68.4	72.1	1
PROTEIN		%	1.8	1.9	1
CATTLE	DIG PROT	% *	-1.3	-1.4	
GOATS	DIG PROT	% *	-1.6	-1.7	
HORSES	DIG PROT	% *	-0.8	-0.9	
RABBITS	DIG PROT	% *	0.1	0.1	
SHEEP	DIG PROT	% *	-1.6	-1.7	

MANIHOT SPP, ENTIRE PLANT, DEHY GRND, (1)

REF NO 1-11-949

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.2	
ASH		%		6.8	1
CRUDE FIBER		%		23.1	1
ETHER EXTRACT		%		7.3	1
NITROGEN FREE EXTRACT		%		65.3	1
PROTEIN		%		17.5	1
CATTLE	DIG PROT	% *		12.1	
GOATS	DIG PROT	% *		12.9	
HORSES	DIG PROT	% *		12.4	
RABBITS	DIG PROT	% *		12.2	
SHEEP	DIG PROT	% *		12.3	
ENERGY	GE	KCAL/KG			
HORSES	DE	MCAL/KG *		0.29	
SHEEP	DE	MCAL/KG *		2.88	
HORSES	ME	MCAL/KG *		0.24	
SHEEP	ME	MCAL/KG *		2.35	
HORSES		TDN % *		3.3	
SHEEP		TDN % *		64.9	
CALCIUM		%		1.49	1
PHOSPHORUS		%		0.12	1

MANIHOT SPP, HAY, S-C, (1)

REF NO 1-11-953

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		92.9	
ASH		%		7.1	2
CRUDE FIBER		%		24.1	2
ETHER EXTRACT		%		4.3	2
NITROGEN FREE EXTRACT		%		50.5	2
PROTEIN		%		14.0	2
CATTLE	DIG PROT	% *		9.0	
GOATS	DIG PROT	% *		9.6	
HORSES	DIG PROT	% *		7.4	
RABBITS	DIG PROT	% *		9.5	
SHEEP	DIG PROT	% *		9.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.85	
HORSES	DE	MCAL/KG *		1.83	
SHEEP	DE	MCAL/KG *		2.72	
CATTLE	ME	MCAL/KG *		2.33	
HORSES	ME	MCAL/KG *		1.50	
SHEEP	ME	MCAL/KG *		2.23	
CATTLE	NE-M	MCAL/KG *		1.40	
CATTLE	NE-GAIN	MCAL/KG *		0.81	
CATTLE	NE-LACTATION	MCAL/KG *		1.51	
CATTLE		TDN % *		64.6	
HORSES		TDN % *		45.4	
SHEEP		TDN % *		61.7	
CALCIUM		%		1.11	2
PHOSPHORUS		%		0.22	2

MANIHOT SPP, AERIAL PART, FRESH, (2)

REF NO 2-11-899

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	40.3	100.0	1
ORGANIC MATTER		%	35.9	89.1	
ASH		%	4.4	10.9	1
CRUDE FIBER		%	7.5	18.7	1
ETHER EXTRACT		%	3.3	8.3	1
NITROGEN FREE EXTRACT		%	15.5	38.4	1
PROTEIN		%	9.6	23.7	1
CATTLE	DIG PROT	% *	7.3	18.0	
GOATS	DIG PROT	% *	7.5	18.7	
HORSES	DIG PROT	% *	7.1	17.7	
RABBITS	DIG PROT	% *	6.8	17.0	
SHEEP	DIG PROT	% *	7.7	19.1	

MANIHOT SPP, LEAVES, FRESH, (2)

REF NO 2-11-898

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	46.0	100.0	1
ORGANIC MATTER		%	40.9	89.0	
ASH		%	5.1	11.0	1
CRUDE FIBER		%	10.4	22.6	1
ETHER EXTRACT		%	2.4	5.2	1
NITROGEN FREE EXTRACT		%	18.3	39.7	1
PROTEIN		%	9.9	21.5	1
CATTLE	DIG PROT	% *	7.4	16.1	
GOATS	DIG PROT	% *	7.6	16.6	
HORSES	DIG PROT	% *	7.2	15.7	
RABBITS	DIG PROT	% *	7.0	15.2	
SHEEP	DIG PROT	% *	7.8	17.0	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.43	3.11	
SHEEP	DE	MCAL/KG *	1.41	3.06	
CATTLE	ME	MCAL/KG *	1.17	2.55	
SHEEP	ME	MCAL/KG *	1.15	2.51	
CATTLE	NE-M	MCAL/KG *	0.72	1.56	
CATTLE	NE-GAIN	MCAL/KG *	0.45	0.99	
CATTLE	NE-LACTATION	MCAL/KG *	0.79	1.71	
CATTLE		TDN % *	32.4	70.5	
SHEEP		TDN % *	31.9	69.4	

MANIHOT SPP, LEAVES, FRESH GRND, (2)

REF NO 2-17-688

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.7	
ASH		%		6.3	1
PROTEIN		%		28.1	1
CATTLE	DIG PROT	% *		21.8	
GOATS	DIG PROT	% *		22.8	
HORSES	DIG PROT	% *		21.4	
RABBITS	DIG PROT	% *		20.4	
SHEEP	DIG PROT	% *		23.2	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MANIHOT SPP, ENTIRE PLANT, ENSILED, (3)						
REF NO 3-11-950						
DRY MATTER		%	60.0	100.0		1
ORGANIC MATTER		%	55.4	92.4		1
ASH		%	4.4	7.3		2
CRUDE FIBER		%	6.5	10.9		2
ETHER EXTRACT		%	0.9	1.5		2
NITROGEN FREE EXTRACT		%	45.7	76.2		2
PROTEIN		%	2.5	4.1		2
CATTLE	DIG PROT	% *	-0.0	-0.0		
GOATS	DIG PROT	% *	-0.0	-0.0		
HORSES	DIG PROT	% *	-0.0	-0.0		
SHEEP	DIG PROT	% *	-0.0	-0.0		
MANIHOT SPP, PEELINGS, DEHY GRND, (4)						
REF NO 4-11-943						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		98.1		
ASH		%		1.9		1
CRUDE FIBER		%		4.7		1
ETHER EXTRACT		%		0.9		1
NITROGEN FREE EXTRACT		%		88.5		1
PROTEIN		%		4.0		1
CATTLE	DIG PROT	% *		-0.3		
GOATS	DIG PROT	% *		0.9		
HORSES	DIG PROT	% *		0.9		
SHEEP	DIG PROT	% *		0.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		3.79		
SWINE	DE	KCAL/KG *		4006.		
SHEEP	ME	MCAL/KG *		3.11		
SWINE	ME	KCAL/KG *		3813.		
SHEEP	TDN	% *		86.0		
SWINE	TDN	% *		90.9		
MANIHOT SPP, PEELINGS, FRESH, (4)						
REF NO 4-11-941						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.1		
ASH		%		6.9		2
CRUDE FIBER		%		6.0		2
ETHER EXTRACT		%		2.3		2
NITROGEN FREE EXTRACT		%		80.8		2
PROTEIN		%		4.0		2
CATTLE	DIG PROT	% *		-0.3		
GOATS	DIG PROT	% *		0.9		
HORSES	DIG PROT	% *		0.9		
SHEEP	DIG PROT	% *		0.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.69		
SHEEP	DE	MCAL/KG *		3.56		
SWINE	DE	KCAL/KG *		3625.		
CATTLE	ME	MCAL/KG *		2.21		
SHEEP	ME	MCAL/KG *		2.92		
SWINE	ME	KCAL/KG *		3451.		
CATTLE	NE-M	MCAL/KG *		1.31		
CATTLE	NE-GAIN	MCAL/KG *		0.70		
CATTLE	NE-LACTATION	MCAL/KG *		1.39		
CATTLE	TDN	% *		61.1		
SHEEP	TDN	% *		80.8		
SWINE	TDN	% *		82.2		
MANIHOT SPP, ROOT FLOUR, FINE GRND, (4)						
REF NO 4-11-951						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		98.5		
ASH		%		1.5		2
CRUDE FIBER		%		6.0		2
ETHER EXTRACT		%		0.6		2
NITROGEN FREE EXTRACT		%		89.2		2
PROTEIN		%		2.7		2
CATTLE	DIG PROT	% *		-1.5		
GOATS	DIG PROT	% *		-0.3		
HORSES	DIG PROT	% *		-0.3		
SHEEP	DIG PROT	% *		-0.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		3.78		
SWINE	DE	KCAL/KG *		4096.		
SHEEP	ME	MCAL/KG *		3.10		
SWINE	ME	KCAL/KG *		3910.		
SHEEP	TDN	% *		85.7		
SWINE	TDN	% *		92.9		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MANIHOT SPP, ROOTS, (4)						
REF NO 4-01-150						
DRY MATTER		%	62.8	100.0		3
ORGANIC MATTER		%	60.5	96.4	87	1
ASH		%	2.7	4.3	87	5
CRUDE FIBER		%	3.4	5.5	99	5
ETHER EXTRACT		%	0.8	1.2	86	5
NITROGEN FREE EXTRACT		%	53.7	85.4	12	4
PROTEIN		%	2.2	3.6	52	5
CATTLE	DIG PROT	% *	-0.4	-0.7		
GOATS	DIG PROT	% *	0.3	0.5		
HORSES	DIG PROT	% *	0.3	0.5		
SHEEP	DIG PROT	% *	0.3	0.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.03	3.23		
SHEEP	DE	MCAL/KG *	2.32	3.69		
SWINE	DE	KCAL/KG *	2426.	3862.		
CATTLE	ME	MCAL/KG *	1.66	2.64		
SHEEP	ME	MCAL/KG *	1.90	3.03		
SWINE	ME	KCAL/KG *	2311.	3680.		
CATTLE	NE-M	MCAL/KG *	1.03	1.64		
CATTLE	NE-GAIN	MCAL/KG *	0.67	1.06		
CATTLE	NE-LACTATION	MCAL/KG *	1.13	1.80		
CATTLE	TDN	% *	45.9	73.2		
SHEEP	TDN	% *	52.5	83.7		
SWINE	TDN	% *	55.0	87.6		
CALCIUM		%	0.53	0.84		2
PHOSPHORUS		%	0.43	0.68		2
MANIHOT SPP, ROOTS, DEHY, (4)						
REF NO 4-11-952						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.5		
ASH		%		4.5		1
CRUDE FIBER		%		3.3		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		85.2		1
PROTEIN		%		6.0		1
CATTLE	DIG PROT	% *		1.5		
GOATS	DIG PROT	% *		2.7		
HORSES	DIG PROT	% *		2.7		
SHEEP	DIG PROT	% *		2.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.26		
SHEEP	DE	MCAL/KG *		3.74		
SWINE	DE	KCAL/KG *		3823.		
CATTLE	ME	MCAL/KG *		2.67		
SHEEP	ME	MCAL/KG *		3.06		
SWINE	ME	KCAL/KG *		3624.		
CATTLE	NE-M	MCAL/KG *		1.66		
CATTLE	NE-GAIN	MCAL/KG *		1.08		
CATTLE	NE-LACTATION	MCAL/KG *		1.83		
CATTLE	TDN	% *		74.0		
SHEEP	TDN	% *		84.7		
SWINE	TDN	% *		86.7		
CALCIUM		%		1.94		1
PHOSPHORUS		%		0.12		1
MANIHOT SPP, ROOTS, DEHY GRND, (4) CASSAVA MEAL						
REF NO 4-01-152						
DRY MATTER		%	87.3	100.0	2	12
ORGANIC MATTER		%	85.8	98.3	99	2
ASH		%	3.0	3.5	99	10
CRUDE FIBER		%	7.6	8.7	50	14
ETHER EXTRACT		%	0.3	0.4	78	4
NITROGEN FREE EXTRACT		%	73.9	84.7	6	4
PROTEIN		%	2.4	2.8	49	14
CATTLE	DIG PROT	% *	-1.3	-1.4		
GOATS	DIG PROT	% *	-0.2	-0.2		
HORSES	DIG PROT	% *	-0.2	-0.2		
SHEEP	DIG PROT	% *	-0.2	-0.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.03	3.48		
SHEEP	DE	MCAL/KG *	3.20	3.66		
SWINE	DE	KCAL/KG *	3476.	3982.		
CATTLE	ME	MCAL/KG *	2.49	2.85		
SHEEP	ME	MCAL/KG *	2.62	3.00		
SWINE	ME	KCAL/KG *	3317.	3800.		
CATTLE	NE-M	MCAL/KG *	1.59	1.82		
CATTLE	NE-GAIN	MCAL/KG *	1.06	1.21		
CATTLE	NE-LACTATION	MCAL/KG *	1.75	2.00		
CATTLE	TDN	% *	68.8	78.9		
SHEEP	TDN	% *	72.5	83.0		
SWINE	TDN	% *	78.8	90.3		
CALCIUM		%	0.15	0.17		1
PHOSPHORUS		%	0.08	0.09		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MANIHOT SPP, ROOTS WO PEELINGS, DEHY GRND, (4)						
REF NO 4-11-945						
DRY MATTER		%	84.8	100.0		1
ORGANIC MATTER		%	83.0	97.9		1
ASH		%	1.8	2.1		1
CRUDE FIBER		%	1.3	1.5		1
ETHER EXTRACT		%	0.1	0.1		1
NITROGEN FREE EXTRACT		%	80.6	95.1		1
PROTEIN		%	1.0	1.2		1
CATTLE	DIG PROT	% *	-2.4	-2.9		
GOATS	DIG PROT	% *	-1.4	-1.7		
HORSES	DIG PROT	% *	-1.4	-1.7		
SHEEP	DIG PROT	% *	-1.4	-1.7		
CALCIUM		%	0.08	0.10		1
MAGNESIUM		%	0.08	0.09		1
PHOSPHORUS		%	0.06	0.07		1
MANIHOT SPP, ROOTS WO PEELINGS, FRESH, (4)						
REF NO 4-11-900						
DRY MATTER		%	36.9	100.0		1
ORGANIC MATTER		%	37.1	97.9		
ASH		%	0.8	2.1		1
CRUDE FIBER		%	0.6	1.6		1
ETHER EXTRACT		%	0.2	0.7		1
NITROGEN FREE EXTRACT		%	34.5	93.5		1
PROTEIN		%	0.8	2.2		1
CATTLE	DIG PROT	% *	-0.7	-2.0		
GOATS	DIG PROT	% *	-0.3	-0.8		
HORSES	DIG PROT	% *	-0.3	-0.8		
SHEEP	DIG PROT	% *	-0.3	-0.8		
MANIHOT SPP, ROOTS W PEELINGS W STEMS, S-C, (4)						
REF NO 4-11-940						
DRY MATTER		%	23.2	100.0		1
ORGANIC MATTER		%	19.1	82.1		
ASH		%	4.1	17.9		2
CRUDE FIBER		%	1.5	6.6		2
ETHER EXTRACT		%	1.0	4.1		2
NITROGEN FREE EXTRACT		%	14.0	60.3		2
PROTEIN		%	2.6	11.1		3
CATTLE	DIG PROT	% *	1.4	6.2		
GOATS	DIG PROT	% *	1.7	7.4		
HORSES	DIG PROT	% *	1.7	7.4		
SHEEP	DIG PROT	% *	1.7	7.4		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.33	1.41		
SHEEP	DE MCAL/KG	*	0.70	3.00		
SWINE	DE KCAL/KG	*	697.	3004.		
CATTLE	ME MCAL/KG	*	0.27	1.16		
SHEEP	ME MCAL/KG	*	0.57	2.46		
SWINE	ME KCAL/KG	*	653.	2816.		
CATTLE	NE-M MCAL/KG	*	0.18	0.77		
CATTLE	NE-GAIN MCAL/KG	*	-0.14	-0.61		
CATTLE	NE-LACTATION MCAL/KG	*	0.09	0.39		
CATTLE	TDN	% *	7.4	32.0		
SHEEP	TDN	% *	15.8	68.0		
SWINE	TDN	% *	15.8	68.1		
CALCIUM		%	0.50	2.16		1
PHOSPHORUS		%	0.10	0.45		1
MANIHOT SPP, ROOTS W STEMS, FRESH, (4)						
REF NO 4-11-939						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.4		
ASH		%		10.6		1
CRUDE FIBER		%		28.1		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		38.1		1
PROTEIN		%		22.0		1
CATTLE	DIG PROT	% *		16.2		
GOATS	DIG PROT	% *		17.4		
HORSES	DIG PROT	% *		17.4		
SHEEP	DIG PROT	% *		17.4		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		2.56		
SHEEP	ME MCAL/KG	*		2.10		
SHEEP	TDN	% *		58.0		
MANIHOT SPP, ROOTS W STEMS, S-C, (4)						
REF NO 4-11-938						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.9		
ASH		%		6.1		1
CRUDE FIBER		%		17.3		1
ETHER EXTRACT		%		1.4		1
NITROGEN FREE EXTRACT		%		51.9		1
PROTEIN		%		23.1		1
CATTLE	DIG PROT	% *		17.3		
GOATS	DIG PROT	% *		18.4		
HORSES	DIG PROT	% *		18.4		
SHEEP	DIG PROT	% *		18.4		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		3.13		
SHEEP	ME MCAL/KG	*		2.57		
SHEEP	TDN	% *		71.0		
MARANTA ARUNDINACEA, ARRL ROOT, BERMUDA						
MARANTA ARUNDINACEA BERMUDA, PEELINGS, DEHY, (4)						
REF NO 4-11-911						
DRY MATTER		%	87.1	100.0		6
ORGANIC MATTER		%	75.1	86.2		
ASH		%	12.1	13.8	22	6
CRUDE FIBER		%	5.9	6.8	17	6
ETHER EXTRACT		%	0.6	0.7	16	5
NITROGEN FREE EXTRACT		%	63.5	72.9	5	5
PROTEIN		%	5.1	5.8	11	5
CATTLE	DIG PROT	% *	1.2	1.3		
GOATS	DIG PROT	% *	2.2	2.6		
HORSES	DIG PROT	% *	2.2	2.6		
SHEEP	DIG PROT	% *	2.2	2.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.65	1.89		
SHEEP	DE MCAL/KG	*	2.90	3.33		
SWINE	DE KCAL/KG	*	2876.	3301.		
CATTLE	ME MCAL/KG	*	1.35	1.55		
SHEEP	ME MCAL/KG	*	2.38	2.73		
SWINE	ME KCAL/KG	*	2727.	3130.		
CATTLE	NE-M MCAL/KG	*	0.82	0.94		
CATTLE	NE-GAIN MCAL/KG	*	-0.03	-0.04		
CATTLE	NE-LACTATION MCAL/KG	*	0.67	0.76		
CATTLE	TDN	% *	37.4	43.0		
SHEEP	TDN	% *	65.7	75.4		
SWINE	TDN	% *	65.2	74.9		
MARANTA ARUNDINACEA BERMUDA, ROOTS, (4)						
REF NO 4-09-645						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.0		
ASH		%		8.0		1
CRUDE FIBER		%		4.8		1
ETHER EXTRACT		%		0.7		1
NITROGEN FREE EXTRACT		%		81.3		1
PROTEIN		%		5.2		1
CATTLE	DIG PROT	% *		0.8		
GOATS	DIG PROT	% *		2.0		
HORSES	DIG PROT	% *		2.0		
SHEEP	DIG PROT	% *		2.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.81		
SHEEP	DE MCAL/KG	*		3.50		
SWINE	DE KCAL/KG	*		3695.		
CATTLE	ME MCAL/KG	*		2.30		
SHEEP	ME MCAL/KG	*		2.94		
SWINE	ME KCAL/KG	*		3509.		
CATTLE	NE-M MCAL/KG	*		1.38		
CATTLE	NE-GAIN MCAL/KG	*		0.78		
CATTLE	NE-LACTATION MCAL/KG	*		1.48		
CATTLE	TDN	% *		63.7		
SHEEP	TDN	% *		81.3		
SWINE	TDN	% *		83.8		
MAURITIA SPP, MAURITIA						
MAURITIA SPP, FRUIT, (1)						
REF NO 1-09-628						
DRY MATTER		%	92.0	100.0		1
ORGANIC MATTER		%	88.6	96.3		
ASH		%	3.4	3.7		1
CRUDE FIBER		%	31.5	34.2		1
ETHER EXTRACT		%	8.0	8.7		1
NITROGEN FREE EXTRACT		%	43.3	47.1		1
PROTEIN		%	5.8	6.3		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	2.2	2.4		
GOATS	DIG PROT % *	2.2	2.4		
HORSES	DIG PROT % *	2.7	2.9		
RABBITS	DIG PROT % *	3.3	3.5		
SHEEP	DIG PROT % *	2.0	2.2		
ENERGY	GE KCAL/KG				
HORSES	DE MCAL/KG *	2.79	3.04		
SHEEP	DE MCAL/KG *	2.16	2.35		
HORSES	ME MCAL/KG *	2.29	2.49		
SHEEP	ME MCAL/KG *	1.77	1.93		
HORSES	TDN % *	72.2	78.5		
SHEEP	TDN % *	49.0	53.3		
CALCIUM	%	0.30	0.33		1
PHOSPHORUS	%	0.11	0.12		1

MAURITIA VINIFERA, MAURITIA, MINE

MAURITIA VINIFERA MINE, MEATS, SOLV EXTD GRND, (5)

REF NO 5-09-649

DRY MATTER	%	67.7	100.0		2
ORGANIC MATTER	%	84.1	95.9		
ASH	%	3.6	4.1		2
CRUDE FIBER	%	20.4	23.3		2
ETHER EXTRACT	%	1.0	1.1		2
NITROGEN FREE EXTRACT	%	56.9	64.9		2
PROTEIN	%	(5.8)	(6.6)		2

MEAT AND BONE MEAL DIGESTER TANKAGE
-SEE ANIMAL, CARCASS RESIDUE W BLOOD W BONE, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)

MEAT AND BONE MEAL TANKAGE (AAFCO)
-SEE ANIMAL, CARCASS RESIDUE W BLOOD W BONE, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)

MEAT AND BONE MEAL (AAFCO)
-SEE ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)

MEAT AND BONE SCRAP, SOLVENT EXTRACTED
-SEE ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED SOLV EXTD DEHY GRND, (5)

MEAT AND BONE SCRAP
-SEE ANIMAL, CARCASS RESIDUE W BONE, DRY RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MN 4.4% PHOSPHORUS, (5)

MEAT, CATTLE, MEAL
-SEE BOS SPP, CARCASS RESIDUE, DRY RENDERED DEHY GRND, (5)

MEAT MEAL TANKAGE (AAFCO)
-SEE ANIMAL, CARCASS RESIDUE W BLOOD, DRY OR WET RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MX 4.4% PHOSPHORUS, (5)

MEAT MEAL (AAFCO)
-SEE ANIMAL, CARCASS RESIDUE, DRY RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MX 4.4% PHOSPHORUS, (5)

MEAT SCRAP
-SEE ANIMAL, CARCASS RESIDUE, DRY RENDERED DEHY GRND, MN 9% INDIGESTIBLE MATERIAL MX 4.4% PHOSPHORUS, (5)

MEDICAGO HISPIDA, BURCLOVER, CALIFORNIA

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO HISPIDA CALIFORNIA, AERIAL PART, FRESH, (2)					
REF NO 2-01-035					
DRY MATTER	%		(100.0)		
ORGANIC MATTER	%		(93.2)		
ASH	%		(6.8)		1
ETHER EXTRACT	%		(2.3)		1
PROTEIN	%		(23.0)		1
CATTLE	DIG PROT % *		(17.5)		
GOATS	DIG PROT % *		(18.0)		
HORSES	DIG PROT % *		(17.1)		
RABBITS	DIG PROT % *		(16.5)		
SHEEP	DIG PROT % *		18.5		

MEDICAGO HISPIDA CALIFORNIA, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-11-884

DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.3		
ASH	%		7.7		3
PROTEIN	%		20.9		3
CATTLE	DIG PROT % *		15.7		
GOATS	DIG PROT % *		16.1		
HORSES	DIG PROT % *		15.3		
RABBITS	DIG PROT % *		14.8		
SHEEP	DIG PROT % *		16.5		
CALCIUM	%		0.20		3
COPPER	MG/KG		11.1		3
MANGANESE	MG/KG		62.7		3
MOLYBDENUM	MG/KG		0.47		3
PHOSPHORUS	%		0.29		3
ZINC	MG/KG		29.4		3

MEDICAGO LUPULINA, MEDIC, BLACK

MEDICAGO LUPULINA BLACK, AERIAL PART, FRESH, (2)

REF NO 2-03-070

DRY MATTER	%	20.7	100.0		1
ORGANIC MATTER	%	15.9	77.0		
ASH	%	4.8	23.0		1
CRUDE FIBER	%	2.5	12.2		1
ETHER EXTRACT	%	0.5	2.2		1
NITROGEN FREE EXTRACT	%	8.9	43.1		1
PROTEIN	%	4.0	19.5		1
CATTLE	DIG PROT % *	3.0	14.5		
GOATS	DIG PROT % *	3.1	14.8		
HORSES	DIG PROT % *	2.9	14.1		
RABBITS	DIG PROT % *	2.8	13.7		
SHEEP	DIG PROT % *	3.1	15.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.44	2.11		
SHEEP	DE MCAL/KG *	0.55	2.67		
CATTLE	ME MCAL/KG *	0.36	1.73		
SHEEP	ME MCAL/KG *	0.45	2.19		
CATTLE	NE-M MCAL/KG *	0.21	1.03		
CATTLE	NE-GAIN MCAL/KG *	0.04	0.19		
CATTLE	NE-LACTATION MCAL/KG *	0.19	0.93		
CATTLE	TDN % *	9.9	47.8		
SHEEP	TDN % *	12.5	60.5		
CALCIUM	%	0.11	0.53		1
PHOSPHORUS	%	0.03	0.15		1

MEDICAGO SATIVA, ALFALFA

MEDICAGO SATIVA, AERIAL PART, DEHY, (1)

REF NO 1-00-047

DRY MATTER	%	92.4	100.0	1	6
ORGANIC MATTER	%	83.1	90.0	24	3
ASH	%	9.0	9.7	24	7
CRUDE FIBER	%	18.6	20.1	43	7
ETHER EXTRACT	%	3.5	3.8	43	7
NITROGEN FREE EXTRACT	%	42.7	46.2	21	6
PROTEIN	%	18.5	20.0	21	7
CATTLE	DIG PROT % *	13.2	14.3		
GOATS	DIG PROT % *	14.1	15.3		
HORSES	DIG PROT % *	13.4	14.6		
RABBITS	DIG PROT % *	13.1	14.1		
SHEEP	DIG PROT % *	13.4	14.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.78	3.01		
HORSES	DE MCAL/KG *	1.54	1.67		
SHEEP	DE MCAL/KG *	2.65	2.86		
CATTLE	ME MCAL/KG *	2.28	2.47		
HORSES	ME MCAL/KG *	1.26	1.37		
SHEEP	ME MCAL/KG *	2.17	2.35		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-M	MCAL/KG *	1.38	1.50		
CATTLE NE-GAIN	MCAL/KG *	0.85	0.92		
CATTLE NE-LACTATION	MCAL/KG *	1.51	1.64		
CATTLE	TDN % *	63.1	68.3		
HORSES	TDN % *	37.8	40.9		
SHEEP	TDN % *	60.0	65.0		
CALCIUM	%	1.31	1.42		2
COBALT	MG/KG	0.175	0.190		1
COPPER	MG/KG	7.2	7.8		1
IRON	%	0.018	0.020		1
MAGNESIUM	%	0.26	0.28		1
MANGANESE	MG/KG	39.3	42.5		1
MOLYBDENUM	MG/KG	6.47	7.00		1
PHOSPHORUS	%	0.42	0.46		2
POTASSIUM	%	2.60	2.82		1
SODIUM	%	0.06	0.06		1
ZINC	MG/KG	26.4	28.6		1

MEDICAGO SATIVA, AERIAL PART, DEHY GRND, (1)
DEHYDRATED ALFALFA MEAL (AAFCO)

REF NO 1-00-025

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.6	100.0	2	98
ORGANIC MATTER	%	83.6	90.3	29	5
ASH	%	10.9	11.7	29	50
CRUDE FIBER	%	24.0	25.9	23	39
ETHER EXTRACT	%	2.8	3.0	30	98
NITROGEN FREE EXTRACT	%	36.3	39.2	11	33
PROTEIN	%	18.7	20.2	10	98
CATTLE DIG PROT	% *	13.4	14.5		
GOATS DIG PROT	% *	14.3	15.4		
HORSES DIG PROT	% *	13.6	14.7		
RABBITS DIG PROT	% *	13.2	14.3		
SHEEP DIG PROT	% *	13.6	14.7		
ENERGY GE	KCAL/KG	4236.	4576.		1
CATTLE DE	MCAL/KG *	2.49	2.69		
HORSES DE	MCAL/KG *	1.82	1.96		
SHEEP DE	MCAL/KG *	2.41	2.60		
CATTLE ME	MCAL/KG *	2.04	2.20		
HORSES ME	MCAL/KG *	1.49	1.61		
SHEEP ME	MCAL/KG *	1.97	2.13		
CATTLE NE-M	MCAL/KG *	1.21	1.31		
CATTLE NE-GAIN	MCAL/KG *	0.64	0.69		
CATTLE NE-LACTATION	MCAL/KG *	1.28	1.38		
CATTLE	TDN % *	56.4	61.0		
HORSES	TDN % *	45.4	49.1		
SHEEP	TDN % *	54.6	59.0		
CALCIUM	%	1.91	2.06	42	12
COPPER	MG/KG	195.8	211.5		2
IRON	%	0.048	0.052	34	8
MAGNESIUM	%	0.35	0.38	56	5
MANGANESE	MG/KG	53.6	57.9	50	5
PHOSPHORUS	%	0.48	0.52	88	9
POTASSIUM	%	3.70	4.00		2
SODIUM	%	0.26	0.28		2

MEDICAGO SATIVA, AERIAL PART, DEHY GRND, LATE
VEGETATIVE, (1)

REF NO 1-00-018

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.4	100.0	3	13
ORGANIC MATTER	%	(79.9)	(86.5)		
ASH	%	(12.5)	(13.5)	23	13
CRUDE FIBER	%	(26.0)	(28.2)	23	14
ETHER EXTRACT	%	(1.9)	(2.0)	39	13
NITROGEN FREE EXTRACT	%	(34.0)	(36.8)	18	13
PROTEIN	%	(18.0)	(19.5)	12	12
CATTLE DIG PROT	% *	(12.7)	(13.8)		
GOATS DIG PROT	% *	(13.6)	(14.7)		
HORSES DIG PROT	% *	(13.0)	(14.1)		
RABBITS DIG PROT	% *	(12.7)	(13.7)		
SHEEP DIG PROT	% *	(13.0)	(14.0)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(2.34)	(2.54)		
SHEEP DE	MCAL/KG *	(2.29)	(2.48)		
CATTLE ME	MCAL/KG *	(1.92)	(2.08)		
SHEEP ME	MCAL/KG *	(1.88)	(2.04)		
CATTLE NE-M	MCAL/KG *	(1.13)	(1.23)		
CATTLE NE-GAIN	MCAL/KG *	(0.53)	(0.57)		
CATTLE NE-LACTATION	MCAL/KG *	(1.17)	(1.27)		
CATTLE	TDN % *	(53.2)	(57.5)		
SHEEP	TDN % *	52.0	56.3		
PHOSPHORUS	%	0.30	0.33		2
ARGININE	%	0.55	0.59		1
HISTIDINE	%	0.31	0.34		1
ISOLEUCINE	%	0.53	0.57		1
LEUCINE	%	0.89	0.96		1
LYSINE	%	0.66	0.71		1
METHIONINE	%	0.11	0.12		1
PHENYLALANINE	%	0.59	0.64		1
THREONINE	%	0.53	0.57		1
TRYPTOPHAN	%	0.18	0.19		1
TYROSINE	%	0.48	0.52		1
VALINE	%	0.67	0.73		1

MEDICAGO SATIVA, AERIAL PART, DEHY GRND,
MIDBLOOM, (1)

REF NO 1-17-671

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.4	100.0	3	4
PROTEIN	%	18.5	20.3	16	4
CATTLE DIG PROT	% *	13.2	14.5		
GOATS DIG PROT	% *	14.1	15.5		
HORSES DIG PROT	% *	13.5	14.7		
RABBITS DIG PROT	% *	13.1	14.3		
SHEEP DIG PROT	% *	13.5	14.7		
VITAMIN A EQUIV	IU/G	218.6	239.2		
HYDROXYPROLINE	%	0.78	0.85		1
LYSINE	%	0.99	1.08		3
METHIONINE	%	0.18	0.19		3
PHENYLALANINE	%	0.87	0.95		1

MEDICAGO SATIVA, AERIAL PART, DEHY GRND, DOUGH
STAGE, (1)

REF NO 1-17-672

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.2	100.0		3
ORGANIC MATTER	%	78.1	87.5		
ASH	%	11.2	12.5		2
CRUDE FIBER	%	23.3	26.1		2
ETHER EXTRACT	%	1.2	1.3		2
NITROGEN FREE EXTRACT	%	33.3	37.3		2
PROTEIN	%	20.3	22.8		3
CATTLE DIG PROT	% *	14.9	16.7		
GOATS DIG PROT	% *	15.9	17.8		
HORSES DIG PROT	% *	15.1	16.9		
RABBITS DIG PROT	% *	14.5	16.3		
SHEEP DIG PROT	% *	15.2	17.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.44	2.73		
SHEEP DE	MCAL/KG *	2.36	2.64		
CATTLE ME	MCAL/KG *	2.00	2.24		
SHEEP ME	MCAL/KG *	1.93	2.17		
CATTLE NE-M	MCAL/KG *	1.19	1.33		
CATTLE NE-GAIN	MCAL/KG *	0.65	0.72		
CATTLE NE-LACTATION	MCAL/KG *	1.26	1.42		
CATTLE	TDN % *	55.2	61.9		
SHEEP	TDN % *	53.4	59.9		
VITAMIN A EQUIV	IU/G	(312.4)	(350.1)		

MEDICAGO SATIVA, AERIAL PART, DEHY GRND, MN
15% PROTEIN, (1)

REF NO 1-00-022

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(91.8)	(100.0)	1	9
ORGANIC MATTER	%	(82.9)	(90.4)		
ASH	%	(8.9)	(9.6)	2	6
CRUDE FIBER	%	(26.6)	(29.0)	8	8
ETHER EXTRACT	%	(2.2)	(2.4)	11	6
NITROGEN FREE EXTRACT	%	(38.8)	(42.3)	2	5
PROTEIN	%	(15.3)	(16.7)	2	8
CATTLE DIG PROT	% *	(10.4)	(11.4)		
GOATS DIG PROT	% *	(11.1)	(12.1)		
HORSES DIG PROT	% *	(10.7)	(11.7)		
RABBITS DIG PROT	% *	(10.6)	(11.5)		
SHEEP DIG PROT	% *	(10.6)	(11.5)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(2.36)	(2.57)		
HORSES DE	MCAL/KG *	(1.86)	(2.02)		
SHEEP DE	MCAL/KG *	(2.32)	(2.53)		
SWINE DE	KCAL/KG *	(1819.)	(1982.)		
CATTLE ME	MCAL/KG *	(1.94)	(2.11)		
CHICKENS ME-M	KCAL/KG	(1148.)	(1251.)		2
HORSES ME	MCAL/KG *	(1.52)	(1.66)		
SHEEP ME	MCAL/KG *	(1.91)	(2.08)		
SWINE ME	KCAL/KG	(608.)	(663.)		1
CATTLE NE-M	MCAL/KG *	(1.14)	(1.25)		
CATTLE NE-GAIN	MCAL/KG *	(0.55)	(0.60)		
CATTLE NE-LACTATION	MCAL/KG *	(1.19)	(1.29)		
CHICKENS PRODUCTIVE	KCAL/KG	(493.)	(537.)		2
CATTLE	TDN % *	(53.5)	(58.3)		
HORSES	TDN % *	(46.6)	(50.7)		
SHEEP	TDN % *	(52.7)	(57.5)		
SWINE	TDN %	(41.2)	(44.9)		1
CALCIUM	%	(1.35)	(1.47)	4	5
COPPER	MG/KG	(10.7)	(11.7)		1
IRON	%	(0.032)	(0.035)		1
MAGNESIUM	%	(0.30)	(0.33)		1
MANGANESE	MG/KG	(29.9)	(32.6)		1
PHOSPHORUS	%	(0.21)	(0.23)	11	4
CHICKENS, CHICKS AVAILABLE	%	(0.06)	(0.06)		1
POTASSIUM	%	(1.57)	(1.72)		3
SELENIUM	MG/KG	(0.077)	(0.084)		1
SODIUM	%	(0.07)	(0.08)		1
ZINC	MG/KG	(20.6)	(22.5)		1
A-TOCOPHEROL	MG/KG	(101.1)	(110.1)		1
BIOTIN	MG/KG	(0.26)	(0.28)		1
CHOLINE	MG/KG	(1116.)	(1216.)		3
FOLIC ACID	MG/KG	(1.59)	(1.73)		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
NIACIN	MG/KG	(39.8)	(43.4)		3
PANTOTHENIC ACID	MG/KG	(19.0)	(20.7)		3
RIBOFLAVIN	MG/KG	(10.8)	(11.7)	32	5
THIAMINE	MG/KG	(3.1)	(3.4)		1
VITAMIN A	IU/G	(6215.6)	(6772.5)	98	4
VITAMIN A EQUIV	IU/G	(76.2)	(83.1)		
ARGININE	%	(0.67)	(0.73)		3
CYSTINE	%	(0.28)	(0.31)		3
GLYCINE	%	(0.77)	(0.84)		3
HISTIDINE	%	(0.23)	(0.25)		1
ISOLEUCINE	%	(0.62)	(0.67)		1
LYSINE	%	(0.74)	(0.80)		3
METHIONINE	%	(0.24)	(0.26)		3
PHENYLALANINE	%	(0.60)	(0.65)		1
THREONINE	%	(0.52)	(0.56)		1
TRYPTOPHAN	%	(0.26)	(0.28)		3
VALINE	%	(0.62)	(0.67)		1
XANTHOPHYLL	MG/KG	(54.77)	(59.68)		2

MEDICAGO SATIVA, AERIAL PART, DEHY GRND, MN
17% PROTEIN, (1)

REF NO 1-00-023

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(91.9)	(100.0)	1	24
ORGANIC MATTER	%	(82.6)	(89.9)		
ASH	%	(9.3)	(10.1)	9	9
CRUDE FIBER	%	(24.1)	(26.2)	8	11
ETHER EXTRACT	%	(2.6)	(2.8)	12	10
NITROGEN FREE EXTRACT	%	(38.5)	(41.9)	1	7
PROTEIN	%	(17.4)	(19.0)	1	12
CATTLE DIG PROT % *		(12.3)	(13.4)		
GOATS DIG PROT % *		(13.1)	(14.3)		
HORSES DIG PROT % *		(12.5)	(13.6)		
RABBITS DIG PROT % *		(12.2)	(13.3)		
SHEEP DIG PROT % *		(12.5)	(13.6)		
CELLULOSE (MATRONE)	%	(25.9)	(28.2)		1
PENTOSANS	%	(12.4)	(13.5)		1
SUGARS, TOTAL	%	(3.8)	(4.1)		1
FATTY ACIDS	%				
LINOLEIC	%	(0.395)	(0.430)		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		(2.49)	(2.71)		
HORSES DE MCAL/KG *		(1.83)	(2.00)		
SHEEP DE MCAL/KG *		(2.38)	(2.58)		
SWINE DE KCAL/KG *		(1958.)	(2130.)		
CATTLE ME MCAL/KG *		(2.04)	(2.22)		
CHICKENS ME-N KCAL/KG		(1363.)	(1484.)	17	4
HORSES ME MCAL/KG *		(1.50)	(1.64)		
SHEEP ME MCAL/KG *		(1.95)	(2.12)		
SWINE ME KCAL/KG		(1022.)	(1112.)		1
CATTLE NE-M MCAL/KG *		(1.21)	(1.32)		
CATTLE NE-GAIN MCAL/KG *		(0.65)	(0.71)		
CATTLE NE-LACTATION MCAL/KG *		(1.29)	(1.40)		
CHICKENS PRODUCTIVE KCAL/KG		(606.)	(660.)		3
CATTLE TDN % *		(56.5)	(61.4)		
HORSES TDN % *		(45.9)	(50.0)		
SHEEP TDN % *		(53.9)	(58.6)		
SWINE TDN %		(44.4)	(48.3)		1
CALCIUM	%	(1.44)	(1.57)	8	10
CHLORINE	%	(0.37)	(0.40)		3
COBALT	MG/KG	(0.122)	(0.133)		1
COPPER	MG/KG	(10.2)	(11.1)		1
IODINE	MG/KG	(0.586)	(0.638)		1
IRON	%	(0.048)	(0.052)		1
MAGNESIUM	%	(0.35)	(0.39)		2
MANGANESE	MG/KG	(30.8)	(33.5)		2
PHOSPHORUS	%	(0.22)	(0.24)	11	10
CHICKENS, CHICKS AVAILABLE	%	(0.15)	(0.16)		2
POTASSIUM	%	(2.17)	(2.36)		3
SELENIUM	MG/KG	(0.077)	(0.084)		1
SODIUM	%	(0.24)	(0.26)		3
ZINC	MG/KG	(24.1)	(26.2)		2
A-TOCOPHEROL	MG/KG	(156.8)	(170.6)		3
BETAINE	%	(0.349)	(0.379)		1
BIOTIN	MG/KG	(0.30)	(0.33)		2
CHOLINE	MG/KG	(1098.)	(1194.)	33	7
FOLIC ACID	MG/KG	(4.24)	(4.61)	69	4
NIACIN	MG/KG	(26.0)	(28.3)	54	7
PANTOTHENIC ACID	MG/KG	(25.6)	(27.8)	21	7
RIBOFLAVIN	MG/KG	(13.6)	(14.8)	23	8
THIAMINE	MG/KG	(2.8)	(3.1)		3
VITAMIN B6	MG/KG	(9.88)	(10.75)		1
VITAMIN A	IU/G	(19898.3)	(21651.1)	98	5
VITAMIN A EQUIV	IU/G	(118.7)	(129.1)		
ARGININE	%	(0.80)	(0.87)	10	8
CYSTINE	%	(0.33)	(0.36)	10	8
GLYCINE	%	(0.90)	(0.98)	1	6
HISTIDINE	%	(0.32)	(0.35)	15	5
ISOLEUCINE	%	(0.83)	(0.91)	12	5
LEUCINE	%	(1.26)	(1.37)	3	4
LYSINE	%	(0.93)	(1.02)	10	8
METHIONINE	%	(0.23)	(0.25)	37	8
PHENYLALANINE	%	(0.79)	(0.86)	11	5
THREONINE	%	(0.69)	(0.75)	13	5
TRYPTOPHAN	%	(0.28)	(0.30)	29	8
TYROSINE	%	(0.56)	(0.61)		3
VALINE	%	(0.83)	(0.91)	15	5

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
XANTHOPHYLL	MG/KG	(204.86)	(222.90)	33	5

MEDICAGO SATIVA, AERIAL PART, DEHY GRND, MN
20% PROTEIN, (1)

REF NO I-00-024

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(91.5)	(100.0)	1	17
ORGANIC MATTER	%	80.9	88.4		
ASH	%	10.6	11.6	4	8
CRUDE FIBER	%	20.2	22.1	5	9
ETHER EXTRACT	%	2.9	3.2	14	9
NITROGEN FREE EXTRACT	%	37.7	41.2	1	6
PROTEIN	%	20.0	21.9	1	10
CATTLE DIG PROT % *		14.5	15.9		
GOATS DIG PROT % *		15.5	17.0		
HORSES DIG PROT % *		14.7	16.1		
RABBITS DIG PROT % *		14.2	15.6		
SHEEP DIG PROT % *		14.8	16.2		
FATTY ACIDS	%				
LINOLEIC	%	0.511	0.559		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.66	2.91		
HORSES DE MCAL/KG *		1.71	1.87		
SHEEP DE MCAL/KG *		2.46	2.68		
SWINE DE KCAL/KG *		2040.	2229.		
CATTLE ME MCAL/KG *		2.18	2.38		
CHICKENS ME-N KCAL/KG		1631.	1782.		3
HORSES ME MCAL/KG *		1.40	1.53		
SHEEP ME MCAL/KG *		2.01	2.20		
SWINE ME KCAL/KG		1305.	1426.		1
CATTLE NE-M MCAL/KG *		1.31	1.43		
CATTLE NE-GAIN MCAL/KG *		0.78	0.85		
CATTLE NE-LACTATION MCAL/KG *		(1.42)	(1.55)		
CHICKENS PRODUCTIVE KCAL/KG		775.	846.		2
CATTLE TDN % *		60.3	65.9		
HORSES TDN % *		42.6	46.5		
SHEEP TDN % *		55.7	60.8		
SWINE TDN %		(46.3)	(50.6)		1
CALCIUM	%	(1.67)	(1.82)	13	10
CHLORINE	%	(0.46)	(0.50)		2
COPPER	MG/KG	(11.2)	(12.2)		3
IRON	%	(0.040)	(0.043)		3
MAGNESIUM	%	(0.36)	(0.39)		1
MANGANESE	MG/KG	(42.3)	(46.2)	35	4
PHOSPHORUS	%	(0.28)	(0.31)	5	10
CHICKENS, CHICKS AVAILABLE	%	(0.17)	(0.19)		2
POTASSIUM	%	(2.21)	(2.42)		3
SELENIUM	MG/KG	(0.077)	(0.084)		1
SODIUM	%	(0.13)	(0.14)		3
ZINC	MG/KG	(25.0)	(27.3)		2
A-TOCOPHEROL	MG/KG	(147.5)	(161.1)		3
BIOTIN	MG/KG	(0.33)	(0.36)		2
CHOLINE	MG/KG	(1172.)	(1280.)	35	6
FOLIC ACID	MG/KG	(3.30)	(3.61)		2
NIACIN	MG/KG	(40.1)	(43.8)	35	6
PANTOTHENIC ACID	MG/KG	(34.2)	(37.4)	25	6
RIBOFLAVIN	MG/KG	(15.2)	(16.6)	27	7
THIAMINE	MG/KG	(4.6)	(5.0)		3
VITAMIN B6	MG/KG	(10.81)	(11.82)		1
VITAMIN A	IU/G	37101.7	40535.3	98	4
VITAMIN A EQUIV	IU/G	(146.0)	(159.6)		
ARGININE	%	(0.91)	(1.00)	4	5
CYSTINE	%	(0.39)	(0.42)	13	5
GLYCINE	%	(0.97)	(1.06)	5	5
HISTIDINE	%	(0.34)	(0.37)		3
ISOLEUCINE	%	(0.88)	(0.96)		3
LEUCINE	%	(1.30)	(1.42)		2
LYSINE	%	(0.96)	(1.05)	3	5
METHIONINE	%	(0.31)	(0.34)	2	5
PHENYLALANINE	%	(0.85)	(0.93)		3
THREONINE	%	(0.76)	(0.83)		3
TRYPTOPHAN	%	(0.33)	(0.36)	38	5
TYROSINE	%	(0.59)	(0.64)		1
VALINE	%	(0.97)	(1.06)		3
XANTHOPHYLL	MG/KG	319.16	348.70		3

MEDICAGO SATIVA, AERIAL PART, DEHY GRND
PELLETED, (1)

REF NO I-07-848

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.0	100.0		1
ORGANIC MATTER	%	80.7	91.7		1
ASH	%	8.4	9.6		2
CRUDE FIBER	%	20.4	23.1		2
ETHER EXTRACT	%	4.7	5.3		2
NITROGEN FREE EXTRACT	%	36.9	42.0		2
PROTEIN	%	17.6	20.0		2
CATTLE DIG PROT % *		12.6	14.3		
GOATS DIG PROT % *		13.4	15.2		
HORSES DIG PROT % *		12.8	14.5		
RABBITS DIG PROT % *		12.4	14.1		
SHEEP DIG PROT % *		12.8	14.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.38	2.71		
HORSES DE MCAL/KG *		0.90	1.02		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DE	MCAL/KG *	2.43	2.76		
CATTLE	ME	MCAL/KG *	1.95	2.22		
HORSES	ME	MCAL/KG *	0.74	0.84		
SHEEP	ME	MCAL/KG *	1.99	2.27		
CATTLE	NE-M	MCAL/KG *	1.16	1.32		
CATTLE	NE-GAIN	MCAL/KG *	0.62	0.71		
CATTLE	NE-LACTATION	MCAL/KG *	1.23	1.40		
CATTLE		TDN % *	54.1	61.4		
HORSES		TDN % *	20.4	23.2		
SHEEP		TDN % *	55.2	62.7		
CALCIUM		%	0.80	0.91		1
IRON		%	0.024	0.027		1
PHOSPHORUS		%	0.77	0.88		1

MEDICAGO SATIVA, AERIAL PART, DEHY GRND PELLETED, EARLY VEGETATIVE, (1)

REF NO 1-07-815

DRY MATTER		%	90.9	100.0		1
CRUDE FIBER		%	19.5	21.4		1
ETHER EXTRACT		%	3.5	3.8		1
PROTEIN		%	15.1	16.6		1
CATTLE	DIG PROT	% *	10.3	11.3		
GOATS	DIG PROT	% *	11.0	12.0		
HORSES	DIG PROT	% *	10.6	11.6		
RABBITS	DIG PROT	% *	10.4	11.5		
SHEEP	DIG PROT	% *	10.4	11.5		

MEDICAGO SATIVA, AERIAL PART, DEHY GRND PELLETED, FULL BLOOM, (1)

REF NO 1-11-885

DRY MATTER		%	86.3	100.0		1
ORGANIC MATTER		%	77.2	89.4		1
ASH		%	9.1	10.6		1
SHEEP	DIG COEF	%	46.	46.		
PROTEIN		%	14.6	16.9		1
SHEEP	DIG COEF	%	67.	67.		1
CATTLE	DIG PROT	% *	10.0	11.6		
GOATS	DIG PROT	% *	10.6	12.3		
HORSES	DIG PROT	% *	10.3	11.9		
RABBITS	DIG PROT	% *	10.1	11.7		
SHEEP	DIG PROT	%	9.8	11.3		
CELL WALLS (VAN SOEST)		%	43.7	50.6		1
FIBER, ACID DETERGENT (VS)		%	29.7	34.4		1
LIGNIN (VAN SOEST)		%	7.8	9.0		1
ENERGY	GE	KCAL/KG	3909.	4529.		1
SHEEP	DIG COEF	%	52.	52.		1
SHEEP	DE	MCAL/KG	2.03	2.36		1
SHEEP	ME	MCAL/KG *	1.67	1.93		
SHEEP		TDN % *	0.0	0.1		

MEDICAGO SATIVA, HAY, S-C, (1)

REF NO 1-00-078

DRY MATTER		%	86.4	100.0	5	95
DM IN VITRO (TILLY)	DIG COEF	%	54.	54.	8	10
ORGANIC MATTER		%	77.8	90.0	24	13
ASH		%	8.8	10.2	24	72
CRUDE FIBER		%	24.1	27.9	23	70
ETHER EXTRACT		%	2.4	2.8	43	68
NITROGEN FREE EXTRACT		%	33.9	39.2	11	67
PROTEIN		%	17.1	19.8	23	98
CATTLE	DIG PROT	% *	12.2	14.1		
GOATS	DIG PROT	% *	13.0	15.1		
HORSES	DIG PROT	% *	12.4	14.4		
RABBITS	DIG PROT	% *	12.1	14.0		
SHEEP	DIG PROT	% *	12.4	14.4		
CELL CONTENTS (VAN SOEST)		%	46.9	54.3	7	32
CELL WALLS (VAN SOEST)		%	39.5	45.7	8	32
CELLULOSE (VAN SOEST)		%	22.9	26.5	9	32
FIBER, ACID DETERGENT (VS)		%	30.3	35.1	10	42
HEMICELLULOSE		%	8.4	9.7	22	32
CARBOHYDRATES, OTHER		%	33.4	38.6		1
LIGNIN KMNO4 (VS)		%	6.4	7.4	11	32
ENERGY	GE	KCAL/KG	3738.	4327.		3
CATTLE	DE	MCAL/KG *	2.29	2.65		
HORSES	DE	MCAL/KG *	1.73	2.00		
SHEEP	DE	MCAL/KG *	2.23	2.59		
CATTLE	ME	MCAL/KG *	1.88	2.17		
HORSES	ME	MCAL/KG *	1.42	1.64		
SHEEP	ME	MCAL/KG *	1.83	2.12		
CATTLE	NE-M	MCAL/KG *	1.11	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.57	0.66		
CATTLE	NE-LACTATION	MCAL/KG *	1.17	1.35		
CATTLE		TDN % *	51.9	60.1		
HORSES		TDN % *	43.2	50.1		
SHEEP		TDN % *	50.7	58.7		
CALCIUM		%	1.54	1.79	62	18
COBALT		MG/KG	0.084	0.098	17	4
COPPER		MG/KG	9.4	10.9	23	4
IRON		%	0.018	0.021	55	5
MAGNESIUM		%	0.48	0.55	42	7
MANGANESE		MG/KG	45.8	53.0	35	4
MOLYBDENUM		MG/KG	4.92	5.69	53	4
PHOSPHORUS		%	0.26	0.30	81	18
POTASSIUM		%	1.94	2.25	25	4
SODIUM		%	0.21	0.24	98	4
ZINC		MG/KG	33.3	38.6	24	4
NIACIN		MG/KG	48.3	55.9		1
RIBOFLAVIN		MG/KG	7.0	8.1		1
THIAMINE		MG/KG	2.9	3.4		1
VITAMIN A EQUIV		IU/G	259.7	300.7		

MEDICAGO SATIVA, HAY, S-C, 57 TO 70 DAYS' GROWTH, (1)

REF NO 1-10-775

DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.6		
ASH		%		10.4		2
CRUDE FIBER		%		30.8		2
ETHER EXTRACT		%		2.6		2
NITROGEN FREE EXTRACT		%		35.0		2
PROTEIN		%		21.1		2
CATTLE	DIG PROT	% *		15.3		
GOATS	DIG PROT	% *		16.3		
HORSES	DIG PROT	% *		15.5		
RABBITS	DIG PROT	% *		15.0		
SHEEP	DIG PROT	% *		15.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.54		
SHEEP	DE	MCAL/KG *		2.53		
CATTLE	ME	MCAL/KG *		2.08		
SHEEP	ME	MCAL/KG *		2.08		
CATTLE	NE-M	MCAL/KG *		1.23		
CATTLE	NE-GAIN	MCAL/KG *		0.57		
CATTLE	NE-LACTATION	MCAL/KG *		1.27		
CATTLE		TDN % *		57.6		
SHEEP		TDN % *		57.5		

MEDICAGO SATIVA, HAY, S-C, LATE VEGETATIVE, (1)

REF NO 1-00-054

DRY MATTER		%	82.6	100.0		2
ORGANIC MATTER		%	73.3	88.7		
ASH		%	9.3	11.3	11	4
CRUDE FIBER		%	25.0	30.3		2
ETHER EXTRACT		%	1.5	1.8		2
NITROGEN FREE EXTRACT		%	31.5	38.1		2
PROTEIN		%	15.2	18.4	17	4
CATTLE	DIG PROT	% *	10.7	12.9		
GOATS	DIG PROT	% *	11.4	13.8		
HORSES	DIG PROT	% *	10.9	13.2		
RABBITS	DIG PROT	% *	10.7	12.9		
SHEEP	DIG PROT	% *	10.8	13.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.07	2.50		
HORSES	DE	MCAL/KG *	1.77	2.15		
SHEEP	DE	MCAL/KG *	2.05	2.48		
CATTLE	ME	MCAL/KG *	1.70	2.05		
HORSES	ME	MCAL/KG *	1.45	1.76		
SHEEP	ME	MCAL/KG *	1.68	2.03		
CATTLE	NE-M	MCAL/KG *	1.00	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.45	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	1.02	1.24		
CATTLE		TDN % *	46.9	56.8		
HORSES		TDN % *	44.7	54.1		
SHEEP		TDN % *	46.4	56.2		
CALCIUM		%	0.88	1.07		3
COPPER		MG/KG	4.7	5.7		2
MANGANESE		MG/KG	37.4	45.3		2
MOLYBDENUM		MG/KG	0.93	1.13		2
PHOSPHORUS		%	0.14	0.17		3
ZINC		MG/KG	17.7	21.4		2
VITAMIN A EQUIV		IU/G	(44.8)	(54.2)		

MEDICAGO SATIVA, HAY, S-C, EARLY BLOOM, (1)

REF NO 1-00-059

DRY MATTER		%	(90.1)	(100.0)	1	9
ORGANIC MATTER		%	81.5	90.5	7	8
ASH		%	8.1	9.0	7	7
SHEEP	DIG COEF	%	36.	36.		
CRUDE FIBER		%	27.1	30.1	13	8
CATTLE	DIG COEF	%	43.	43.		3
SHEEP	DIG COEF	%	48.	48.		1
ETHER EXTRACT		%	2.0	2.2	30	6
CATTLE	DIG COEF	%	43.	43.		1
SHEEP	DIG COEF	%	10.	10.		1
NITROGEN FREE EXTRACT		%	35.3	39.2	6	5
CATTLE	DIG COEF	%	74.	74.		3
SHEEP	DIG COEF	%	72.	72.		1
PROTEIN		%	17.6	19.5	10	9
CATTLE	DIG COEF	%	73.	73.	4	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DIG COEF	%	78.	78.		1
CATTLE	DIG PROT	%	12.8	14.2		
GOATS	DIG PROT	% *	13.3	14.8		
HORSES	DIG PROT	% *	12.7	14.1		
RABBITS	DIG PROT	% *	12.4	13.7		
SHEEP	DIG PROT	%	(13.7)	(15.2)		
CELLULOSE (MATRONE)		%	(25.2)	(28.0)	20	4
PECTINS		%	(5.0)	(5.6)		1
STARCH		%	(1.6)	(1.8)		1
SUGARS, TOTAL		%	(5.1)	(5.7)		1
LIGNIN (ELLIS)		%	7.7	8.5		2
ENERGY	GE	KCAL/KG	3256.	3615.		3
CATTLE	GE DIG COEF	%	59.	59.		1
CATTLE	DE	MCAL/KG	1.92	2.13		1
HORSES	DE	MCAL/KG *	1.89	2.10		
SHEEP	DE	MCAL/KG *	2.32	2.57		
CATTLE	ME	MCAL/KG	2.11	2.35		1
HORSES	ME	MCAL/KG *	1.55	1.72		
SHEEP	ME	MCAL/KG *	1.90	2.11		
CATTLE	NE-M	MCAL/KG *	1.27	1.41		
CATTLE	NE-GAIN	MCAL/KG *	0.74	0.82		
CATTLE	NE-LACTATION	MCAL/KG *	0.86	0.95		
CATTLE		TDN %	52.4	58.2	2	4
HORSES		TDN % *	47.6	52.9		
SHEEP		TDN %	(52.6)	(58.4)		1
CALCIUM		%	(1.26)	(1.40)		2
CHLORINE		%	(0.34)	(0.38)		1
COBALT		MG/KG	(0.039)	(0.043)		1
COPPER		MG/KG	(5.5)	(6.1)		1
IRON		%	(0.018)	(0.020)		1
MAGNESIUM		%	(0.27)	(0.30)		1
MANGANESE		MG/KG	20.5	22.7		2
PHOSPHORUS		%	(0.17)	(0.19)		3
POTASSIUM		%	(1.87)	(2.08)		1
SODIUM		%	(0.14)	(0.15)		1
SULPHUR		%	0.27	0.30		1
VITAMIN A EQUIV		IU/G	(122.2)	(135.7)		

MEDICAGO SATIVA, HAY, S-C, EARLY BLOOM, CUT 1, (1)

REF NO 1-00-055

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		(100.0)		
ORGANIC MATTER		%		(90.9)		6
ASH		%		(9.1)		6
SHEEP	DIG COEF	%		(33.)		
PROTEIN		%		(22.4)		6
CATTLE	DIG PROT	% *		(16.3)		
GOATS	DIG PROT	% *		(17.5)		
HORSES	DIG PROT	% *		(16.5)		
RABBITS	DIG PROT	% *		(16.0)		
SHEEP	DIG PROT	% *		16.7		

MEDICAGO SATIVA, HAY, S-C, MIDBLOOM, (1)

REF NO 1-00-063

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.4	100.0	1	94
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.	11	9
ORGANIC MATTER		%	81.3	91.0	14	83
ASH		%	8.2	9.1	14	83
CRUDE FIBER		%	27.9	31.2	12	84
ETHER EXTRACT		%	2.6	3.0	20	84
SHEEP	DIG COEF	%	32.	32.		1
NITROGEN FREE EXTRACT		%	36.4	40.7	10	84
PROTEIN		%	14.3	16.0	19	95
SHEEP	DIG COEF	%	76.	76.		1
CATTLE	DIG PROT	% *	9.6	10.8		
GOATS	DIG PROT	% *	10.3	11.5		
HORSES	DIG PROT	% *	9.9	11.1		
RABBITS	DIG PROT	% *	9.8	11.0		
SHEEP	DIG PROT	%	10.9	12.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.23	2.50		
HORSES	DE	MCAL/KG *	1.73	1.94		
SHEEP	DE	MCAL/KG *	2.13	2.38		
CATTLE	ME	MCAL/KG *	1.83	2.05		
HORSES	ME	MCAL/KG *	1.42	1.59		
SHEEP	ME	MCAL/KG *	1.74	1.95		
CATTLE	NE-M	MCAL/KG *	1.08	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.48	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	1.10	1.23		
CATTLE		TDN % *	50.6	56.6		
HORSES		TDN % *	43.2	48.3		
SHEEP		TDN %	48.2	53.9		1
CALCIUM		%	1.47	1.64	29	49
IRON		%	0.024	0.026	90	41
PHOSPHORUS		%	0.23	0.26	33	46

MEDICAGO SATIVA, HAY, S-C, MIDBLOOM, CUT 1, (1)

REF NO 1-00-060

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9	11	6
ASH		%		8.5	11	7
SHEEP	DIG COEF	%		37.		
CRUDE FIBER		%		31.8		1
ETHER EXTRACT		%		2.2		1
NITROGEN FREE EXTRACT		%		40.5		1
PROTEIN		%		17.0	7	7
CATTLE	DIG PROT	% *		11.7		
GOATS	DIG PROT	% *		12.4		
HORSES	DIG PROT	% *		12.0		
RABBITS	DIG PROT	% *		11.8		
SHEEP	DIG PROT	% *		11.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.52		
HORSES	DE	MCAL/KG *		2.03		
SHEEP	DE	MCAL/KG *		2.50		
CATTLE	ME	MCAL/KG *		2.07		
HORSES	ME	MCAL/KG *		1.66		
SHEEP	ME	MCAL/KG *		2.05		
CATTLE	NE-M	MCAL/KG *		1.22		
CATTLE	NE-GAIN	MCAL/KG *		0.56		
CATTLE	NE-LACTATION	MCAL/KG *		1.26		
CATTLE		TDN % *		57.2		
HORSES		TDN % *		50.8		
SHEEP		TDN % *		56.6		

MEDICAGO SATIVA, HAY, S-C, FULL BLOOM, (1)

REF NO 1-00-068

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	84.9	100.0		2
ORGANIC MATTER		%	79.6	93.8	35	17
ASH		%	5.5	6.5	35	18
SHEEP	DIG COEF	%	37.	37.		
CRUDE FIBER		%	26.4	31.1		1
ETHER EXTRACT		%	1.5	1.8		1
NITROGEN FREE EXTRACT		%	42.0	49.5		1
PROTEIN		%	9.4	11.1	36	13
SHEEP	DIG COEF	%	71.	71.		1
CATTLE	DIG PROT	% *	5.5	6.5		
GOATS	DIG PROT	% *	5.9	6.9		
HORSES	DIG PROT	% *	5.9	6.9		
RABBITS	DIG PROT	% *	6.1	7.2		
SHEEP	DIG PROT	%	6.7	7.9		
CELL WALLS (VAN SOEST)		%	48.9	57.6		1
FIBER, ACID DETERGENT (VS)		%	32.7	38.5		1
LIGNIN (VAN SOEST)		%	8.3	9.8		1
ENERGY	GE	KCAL/KG	3860.	4547.		1
SHEEP	GE DIG COEF	%	54.	54.		1
CATTLE	DE	MCAL/KG *	2.10	2.48		
HORSES	DE	MCAL/KG *	1.54	1.81		
SHEEP	DE	MCAL/KG	2.08	2.46		1
CATTLE	ME	MCAL/KG *	1.73	2.03		
HORSES	ME	MCAL/KG *	1.26	1.49		
SHEEP	ME	MCAL/KG *	1.71	2.01		
CATTLE	NE-M	MCAL/KG *	1.02	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.44	0.52		
CATTLE	NE-LACTATION	MCAL/KG *	1.04	1.22		
CATTLE		TDN % *	47.7	56.2		
HORSES		TDN % *	38.2	45.0		
SHEEP		TDN % *	0.0	0.1		

MEDICAGO SATIVA, HAY, S-C, FULL BLOOM, CUT 1, (1)

REF NO 1-00-064

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.5		3
ASH		%		7.5		3
SHEEP	DIG COEF	%		41.		
PROTEIN		%		17.9		3
CATTLE	DIG PROT	% *		12.4		
GOATS	DIG PROT	% *		13.3		
HORSES	DIG PROT	% *		12.7		
RABBITS	DIG PROT	% *		12.5		
SHEEP	DIG PROT	% *		12.6		

MEDICAGO SATIVA, HAY, S-C, MATURE, (1)

REF NO 1-00-071

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.2	100.0		3
ORGANIC MATTER		%	59.2	63.5		
ASH		%	34.1	36.5		3
CRUDE FIBER		%	27.8	29.8		3
ETHER EXTRACT		%	2.8	3.0		3
NITROGEN FREE EXTRACT		%	12.1	13.0		3
PROTEIN		%	16.5	17.7		3
CATTLE	DIG PROT	% *	11.4	12.2		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT	% *	12.2	13.1		
HORSES	DIG PROT	% *	11.7	12.5		
RABBITS	DIG PROT	% *	11.5	12.3		
SHEEP	DIG PROT	% *	11.6	12.4		
CALCIUM		%	0.34	0.37		1
PHOSPHORUS		%	0.21	0.23		1

MEDICAGO SATIVA, HAY, S-C, 17-20% PROTEIN, (1)

REF NO 1-00-097

DRY MATTER		%	14.9	100.0	7	8
ORGANIC MATTER		%	13.3	89.2	8	8
ASH		%	1.6	10.8	8	8
CRUDE FIBER		%	4.5	30.3	12	8
ETHER EXTRACT		%	0.4	2.8	18	8
NITROGEN FREE EXTRACT		%	6.9	46.6	7	8
PROTEIN		%	1.4	9.6	24	8
CATTLE	DIG PROT	% *	0.9	6.0		
GOATS	DIG PROT	% *	0.8	5.5		
HORSES	DIG PROT	% *	0.8	5.6		
RABBITS	DIG PROT	% *	0.9	6.1		
SHEEP	DIG PROT	% *	0.9	5.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.38	2.52		
SHEEP	DE	MCAL/KG *	0.39	2.60		
CATTLE	ME	MCAL/KG *	0.31	2.07		
SHEEP	ME	MCAL/KG *	0.32	2.13		
CATTLE	NE-M	MCAL/KG *	0.18	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.19	1.26		
CATTLE	TDN	% *	8.5	57.2		
SHEEP	TDN	% *	8.8	58.9		

MEDICAGO SATIVA, HAY, S-C CHOPPED, (1)
SUNCURED CHOPPED ALFALFA (AAFCU)
CHOPPED ALFALFA HAY (AAFCO)

REF NO 1-00-104

DRY MATTER		%	89.0	100.0		1
ORGANIC MATTER		%	82.8	93.1		
ASH		%	6.2	7.0		2
CRUDE FIBER		%	30.6	34.4		2
ETHER EXTRACT		%	1.2	1.3		2
NITROGEN FREE EXTRACT		%	39.6	44.5		2
PROTEIN		%	11.4	12.9		2
CATTLE	DIG PROT	% *	7.2	8.1		
GOATS	DIG PROT	% *	7.6	8.5		
HORSES	DIG PROT	% *	7.5	8.4		
RABBITS	DIG PROT	% *	7.6	8.6		
SHEEP	DIG PROT	% *	7.2	8.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.14	2.41		
HORSES	DE	MCAL/KG *	1.64	1.84		
SHEEP	DE	MCAL/KG *	2.15	2.41		
CATTLE	ME	MCAL/KG *	1.76	1.97		
HORSES	ME	MCAL/KG *	1.35	1.51		
SHEEP	ME	MCAL/KG *	1.76	1.98		
CATTLE	NE-M	MCAL/KG *	1.03	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.41	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	1.04	1.16		
CATTLE	TDN	% *	48.6	54.6		
HORSES	TDN	% *	40.8	45.8		
SHEEP	TDN	% *	48.7	54.7		

MEDICAGO SATIVA, HAY, S-C CHOPPED, EARLY BLOOM, CUT 1, (1)

REF NO 1-13-410

DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.9		4
ASH		%		10.1		4
SHEEP	DIG COEF	%		42.		

MEDICAGO SATIVA, HAY, S-C CHOPPED, MIDBLOOM, (1)

REF NO 1-13-071

DRY MATTER		%	89.8	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	56.	56.		1
PROTEIN		%	11.5	12.8		1
CATTLE	DIG PROT	% *	7.2	8.0		
GOATS	DIG PROT	% *	7.6	8.5		
HORSES	DIG PROT	% *	7.5	8.4		
RABBITS	DIG PROT	% *	7.7	8.6		
SHEEP	DIG PROT	% *	7.2	8.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C CHOPPED, MIDBLOOM, CUT 1, (1)						
REF NO 1-13-114						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.6		6
ASH		%		7.4		6
SHEEP	DIG COEF	%		35.		

MEDICAGO SATIVA, HAY, S-C CHOPPED, FULL BLOOM, CUT 1, (1)

REF NO 1-13-112

DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.5	11	8
ASH		%		8.5	11	8
SHEEP	DIG COEF	%		35.		

MEDICAGO SATIVA, HAY, S-C FERTILIZED, 15 TO 28 DAYS' GROWTH, (1)

REF NO 1-10-773

DRY MATTER		%		100.0		
CRUDE FIBER		%		19.1		3
PROTEIN		%		32.4		3
CATTLE	DIG PROT	% *		25.0		
GOATS	DIG PROT	% *		26.8		
HORSES	DIG PROT	% *		25.0		
RABBITS	DIG PROT	% *		23.7		
SHEEP	DIG PROT	% *		25.6		

MEDICAGO SATIVA, HAY, S-C FERTILIZED, 29 TO 42 DAYS' GROWTH, (1)

REF NO 1-10-772

DRY MATTER		%		100.0		
CRUDE FIBER		%		21.6		3
PROTEIN		%		29.1		3
CATTLE	DIG PROT	% *		22.2		
GOATS	DIG PROT	% *		23.7		
HORSES	DIG PROT	% *		22.3		
RABBITS	DIG PROT	% *		21.2		
SHEEP	DIG PROT	% *		22.7		

MEDICAGO SATIVA, HAY, S-C FERTILIZED, 43 TO 56 DAYS' GROWTH, (1)

REF NO 1-10-771

DRY MATTER		%		100.0		
CRUDE FIBER		%		28.9		3
PROTEIN		%		21.4		3
CATTLE	DIG PROT	% *		15.5		
GOATS	DIG PROT	% *		16.5		
HORSES	DIG PROT	% *		15.7		
RABBITS	DIG PROT	% *		15.2		
SHEEP	DIG PROT	% *		15.8		

MEDICAGO SATIVA, HAY, S-C FERTILIZED, 57 TO 70 DAYS' GROWTH, (1)

REF NO 1-10-774

DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.6		
ASH		%		10.4	6	13
CRUDE FIBER		%		30.6	2	13
ETHER EXTRACT		%		2.9	11	13
NITROGEN FREE EXTRACT		%		34.2	3	13
PROTEIN		%		21.9	4	13
CATTLE	DIG PROT	% *		15.9		
GOATS	DIG PROT	% *		17.0		
HORSES	DIG PROT	% *		16.1		
RABBITS	DIG PROT	% *		15.6		
SHEEP	DIG PROT	% *		16.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.54		
SHEEP	DE	MCAL/KG *		2.55		
CATTLE	ME	MCAL/KG *		2.08		
SHEEP	ME	MCAL/KG *		2.09		
CATTLE	NE-M	MCAL/KG *		1.23		
CATTLE	NE-GAIN	MCAL/KG *		0.57		
CATTLE	NE-LACTATION	MCAL/KG *		1.27		
CATTLE	TDN	% *		57.6		
SHEEP	TDN	% *		57.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)						
REF NO 1-10-770						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.0		
ASH		%		11.0	2	8
CRUDE FIBER		%		29.7	2	8
ETHER EXTRACT		%		1.8	7	8
NITROGEN FREE EXTRACT		%		33.8	3	8
PROTEIN		%		23.7	6	8
CATTLE	DIG PROT	% *		17.4		
GOATS	DIG PROT	% *		18.6		
HORSES	DIG PROT	% *		17.6		
RABBITS	DIG PROT	% *		16.9		
SHEEP	DIG PROT	% *		17.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.66		
SHEEP	DE	MCAL/KG *		2.62		
CATTLE	ME	MCAL/KG *		2.18		
SHEEP	ME	MCAL/KG *		2.14		
CATTLE	NE-M	MCAL/KG *		1.29		
CATTLE	NE-GAIN	MCAL/KG *		0.67		
CATTLE	NE-LACTATION	MCAL/KG *		1.36		
CATTLE	TDN	% *		60.3		
SHEEP	TDN	% *		59.3		
MEDICAGO SATIVA, HAY, S-C FERTILIZED, MIDBLOOM, (1)						
REF NO 1-10-411						
DRY MATTER		%	82.3	100.0		1
ORGANIC MATTER		%	72.9	88.6		
ASH		%	9.4	11.4		1
CRUDE FIBER		%	18.5	22.5		1
ETHER EXTRACT		%	1.2	1.4		1
NITROGEN FREE EXTRACT		%	36.2	44.0		1
PROTEIN		%	17.0	20.7		1
CATTLE	DIG PROT	% *	12.2	14.9		
GOATS	DIG PROT	% *	13.1	15.9		
HORSES	DIG PROT	% *	12.4	15.1		
RABBITS	DIG PROT	% *	12.1	14.7		
SHEEP	DIG PROT	% *	12.5	15.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.30	2.80		
HORSES	DE	MCAL/KG *	1.85	2.25		
SHEEP	DE	MCAL/KG *	2.22	2.69		
CATTLE	ME	MCAL/KG *	1.89	2.30		
HORSES	ME	MCAL/KG *	1.52	1.84		
SHEEP	ME	MCAL/KG *	1.82	2.21		
CATTLE	NE-M	MCAL/KG *	1.13	1.37		
CATTLE	NE-GAIN	MCAL/KG *	0.64	0.78		
CATTLE	NE-LACTATION	MCAL/KG *	1.21	1.47		
CATTLE	TDN	% *	52.3	63.5		
HORSES	TDN	% *	46.8	56.8		
SHEEP	TDN	% *	50.3	61.1		
PHOSPHORUS		%	0.26	0.32		1
MEDICAGO SATIVA, HAY, S-C FERTILIZED, MATURE, (1)						
REF NO 1-10-394						
DRY MATTER		%	90.0	100.0		1
ORGANIC MATTER		%	82.2	91.3		
ASH		%	7.8	8.7		1
CRUDE FIBER		%	23.9	26.6		1
ETHER EXTRACT		%	3.9	4.3		1
NITROGEN FREE EXTRACT		%	37.9	42.1		1
PROTEIN		%	16.5	18.3		1
CATTLE	DIG PROT	% *	11.5	12.8		
GOATS	DIG PROT	% *	12.3	13.6		
HORSES	DIG PROT	% *	11.8	13.1		
RABBITS	DIG PROT	% *	11.5	12.8		
SHEEP	DIG PROT	% *	11.7	13.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.40	2.67		
HORSES	DE	MCAL/KG *	1.42	1.58		
SHEEP	DE	MCAL/KG *	2.38	2.64		
CATTLE	ME	MCAL/KG *	1.97	2.19		
HORSES	ME	MCAL/KG *	1.16	1.29		
SHEEP	ME	MCAL/KG *	1.95	2.17		
CATTLE	NE-M	MCAL/KG *	1.17	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.61	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	1.23	1.37		
CATTLE	TDN	% *	54.4	60.5		
HORSES	TDN	% *	34.7	38.5		
SHEEP	TDN	% *	54.0	60.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C GRND, (1) SUNCURED ALFALFA MEAL (AAFCO) GROUND ALFALFA HAY (AAFCO)						
REF NO 1-00-111						
DRY MATTER		%	90.1	100.0	3	44
ORGANIC MATTER		%	81.3	90.3	33	10
ASH		%	10.3	11.4	33	42
CRUDE FIBER		%	22.1	24.6	29	49
ETHER EXTRACT		%	2.5	2.8	39	45
NITROGEN FREE EXTRACT		%	38.2	42.4	22	33
PROTEIN		%	17.0	18.9	27	51
CATTLE	DIG PROT	% *	12.0	13.3		
GOATS	DIG PROT	% *	12.8	14.2		
HORSES	DIG PROT	% *	12.2	13.5		
RABBITS	DIG PROT	% *	11.9	13.2		
SHEEP	DIG PROT	% *	12.2	13.5		
SUGARS, TOTAL		%	32.5	36.1	22	7
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.46	2.74		
HORSES	DE	MCAL/KG *	1.80	2.00		
SHEEP	DE	MCAL/KG *	2.36	2.62		
CATTLE	ME	MCAL/KG *	2.02	2.24		
HORSES	ME	MCAL/KG *	1.48	1.64		
SHEEP	ME	MCAL/KG *	1.94	2.15		
CATTLE	NE-M	MCAL/KG *	1.20	1.33		
CATTLE	NE-GAIN	MCAL/KG *	0.66	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	1.28	1.42		
CATTLE	TDN	% *	55.9	62.0		
HORSES	TDN	% *	45.0	50.0		
SHEEP	TDN	% *	53.6	59.5		
CALCIUM		%	1.17	1.30	23	10
PHOSPHORUS		%	0.25	0.28	23	11
MEDICAGO SATIVA, HAY, S-C GRND, LATE VEGETATIVE, CUT 8, (1)						
REF NO 1-11-886						
DRY MATTER		%	90.2	100.0		1
ORGANIC MATTER		%	79.0	87.6		
ASH		%	11.2	12.4		1
CRUDE FIBER		%	29.6	32.8		1
ETHER EXTRACT		%	2.0	2.2		1
NITROGEN FREE EXTRACT		%	32.8	36.4		1
PROTEIN		%	14.6	16.2		1
CATTLE	DIG PROT	% *	9.9	11.0		
GOATS	DIG PROT	% *	10.5	11.7		
HORSES	DIG PROT	% *	10.2	11.3		
RABBITS	DIG PROT	% *	10.1	11.2		
SHEEP	DIG PROT	% *	10.0	11.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.10	2.33		
SHEEP	DE	MCAL/KG *	2.11	2.34		
CATTLE	ME	MCAL/KG *	1.72	1.91		
SHEEP	ME	MCAL/KG *	1.73	1.92		
CATTLE	NE-M	MCAL/KG *	1.01	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.35	0.39		
CATTLE	NE-LACTATION	MCAL/KG *	0.99	1.10		
CATTLE	TDN	% *	47.6	52.8		
SHEEP	TDN	% *	48.0	53.2		
MEDICAGO SATIVA, HAY, S-C GRND, MIDBLOOM, (1)						
REF NO 1-10-412						
DRY MATTER		%	85.1	100.0		2
ORGANIC MATTER		%	77.3	90.9		
ASH		%	7.7	9.1		2
CRUDE FIBER		%	26.3	31.0		2
ETHER EXTRACT		%	2.3	2.7		2
NITROGEN FREE EXTRACT		%	35.0	41.1		2
PROTEIN		%	13.7	16.2		2
CATTLE	DIG PROT	% *	9.3	10.9		
GOATS	DIG PROT	% *	9.9	11.6		
HORSES	DIG PROT	% *	9.6	11.2		
RABBITS	DIG PROT	% *	9.5	11.1		
SHEEP	DIG PROT	% *	9.4	11.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.14	2.51		
HORSES	DE	MCAL/KG *	1.68	1.97		
SHEEP	DE	MCAL/KG *	2.11	2.48		
CATTLE	ME	MCAL/KG *	1.75	2.06		
HORSES	ME	MCAL/KG *	1.37	1.62		
SHEEP	ME	MCAL/KG *	1.73	2.03		
CATTLE	NE-M	MCAL/KG *	1.03	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.47	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	1.06	1.25		
CATTLE	TDN	% *	48.5	57.0		
HORSES	TDN	% *	41.9	49.3		
SHEEP	TDN	% *	47.8	56.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C GRND, MIDBLOOM, CUT 3, (1)					
REF NO 1-13-409					
DRY MATTER	%	90.1	100.0		1
ORGANIC MATTER	%	80.8	89.7		
ASH	%	9.3	10.3		1
CRUDE FIBER	%	26.5	29.4		1
ETHER EXTRACT	%	2.0	2.2		1
NITROGEN FREE EXTRACT	%	40.0	44.4		1
PROTEIN	%	12.3	13.7		1
CATTLE DIG PROT	% *	7.9	8.8		
GOATS DIG PROT	% *	8.4	9.3		
HORSES DIG PROT	% *	8.3	9.2		
RABBITS DIG PROT	% *	8.3	9.2		
SHEEP DIG PROT	% *	8.0	8.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.23	2.47		
HORSES DE	MCAL/KG *	1.77	1.97		
SHEEP DE	MCAL/KG *	2.18	2.42		
CATTLE ME	MCAL/KG *	1.83	2.03		
HORSES ME	MCAL/KG *	1.45	1.61		
SHEEP ME	MCAL/KG *	1.79	1.99		
CATTLE NE-M	MCAL/KG *	1.08	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.47	0.52		
CATTLE NE-LACTATION	MCAL/KG *	1.10	1.22		
CATTLE TDN	% *	50.5	56.1		
HORSES TDN	% *	44.3	49.2		
SHEEP TDN	% *	49.5	55.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C GRND, MATURE, (1)					
REF NO 1-17-697					
DRY MATTER	%		100.0		
PROTEIN	%		16.0		1
CATTLE DIG PROT	% *		10.8		
GOATS DIG PROT	% *		11.5		
HORSES DIG PROT	% *		11.1		
RABBITS DIG PROT	% *		11.0		
SHEEP DIG PROT	% *		10.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C GRND FERTILIZED, (1)					
REF NO 1-10-401					
DRY MATTER	%	85.8	100.0		1
ORGANIC MATTER	%	77.2	90.0		
ASH	%	8.6	10.0		1
CRUDE FIBER	%	28.8	33.6		1
ETHER EXTRACT	%	2.1	2.4		1
NITROGEN FREE EXTRACT	%	32.7	38.1		1
PROTEIN	%	13.6	15.9		1
CATTLE DIG PROT	% *	9.2	10.7		
GOATS DIG PROT	% *	9.8	11.4		
HORSES DIG PROT	% *	9.5	11.0		
RABBITS DIG PROT	% *	9.4	10.9		
SHEEP DIG PROT	% *	9.3	10.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.05	2.38		
HORSES DE	MCAL/KG *	1.71	1.99		
SHEEP DE	MCAL/KG *	2.05	2.39		
CATTLE ME	MCAL/KG *	1.68	1.95		
HORSES ME	MCAL/KG *	1.40	1.63		
SHEEP ME	MCAL/KG *	1.68	1.96		
CATTLE NE-M	MCAL/KG *	0.99	1.15		
CATTLE NE-GAIN	MCAL/KG *	0.38	0.44		
CATTLE NE-LACTATION	MCAL/KG *	0.98	1.15		
CATTLE TDN	% *	46.4	54.1		
HORSES TDN	% *	42.8	49.9		
SHEEP TDN	% *	46.5	54.3		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C GRND PELLETED, (1)					
REF NO 1-00-124					
DRY MATTER	%	93.0	100.0		6
CRUDE FIBER	%	21.3	22.9		3
PROTEIN	%	19.8	21.3	2	5
CATTLE DIG PROT	% *	14.3	15.4		
GOATS DIG PROT	% *	15.3	16.4		
HORSES DIG PROT	% *	14.5	15.6		
RABBITS DIG PROT	% *	14.1	15.1		
SHEEP DIG PROT	% *	14.6	15.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, HAY, S-C RAINED UN, (1)					
REF NO 1-00-130					
DRY MATTER	%	91.0	100.0		1
ORGANIC MATTER	%	83.5	91.8		
ASH	%	7.5	8.2		1
CRUDE FIBER	%	26.5	29.1		1
ETHER EXTRACT	%	3.6	4.0		1
NITROGEN FREE EXTRACT	%	37.1	40.8		1
PROTEIN	%	16.3	17.9		1
CATTLE DIG PROT	% *	11.3	12.4		
GOATS DIG PROT	% *	12.1	13.3		
HORSES DIG PROT	% *	11.6	12.7		
RABBITS DIG PROT	% *	11.4	12.5		
SHEEP DIG PROT	% *	11.5	12.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.35	2.58		
HORSES DE	MCAL/KG *	1.53	1.68		
SHEEP DE	MCAL/KG *	2.34	2.58		
CATTLE ME	MCAL/KG *	1.93	2.12		
HORSES ME	MCAL/KG *	1.25	1.38		
SHEEP ME	MCAL/KG *	1.92	2.11		
CATTLE NE-M	MCAL/KG *	1.14	1.25		
CATTLE NE-GAIN	MCAL/KG *	0.55	0.61		
CATTLE NE-LACTATION	MCAL/KG *	1.18	1.30		
CATTLE TDN	% *	53.3	58.6		
HORSES TDN	% *	37.6	41.3		
SHEEP TDN	% *	53.2	58.4		
CALCIUM	%	0.32	0.35		1
PHOSPHORUS	%	0.18	0.20		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, LEAVES, DEHY GRND, (1) DEHYDRATED ALFALFA LEAF MEAL (AAFCO)					
REF NO 1-00-137					
DRY MATTER	%	89.6	100.0		3
ORGANIC MATTER	%	80.3	89.5	30	3
ASH	%	11.2	12.5	30	5
CRUDE FIBER	%	20.1	22.4	32	5
ETHER EXTRACT	%	3.8	4.2	17	5
NITROGEN FREE EXTRACT	%	32.7	36.5	13	5
PROTEIN	%	21.8	24.4	21	5
CATTLE DIG PROT	% *	16.2	18.0		
GOATS DIG PROT	% *	17.3	19.3		
HORSES DIG PROT	% *	16.3	18.2		
RABBITS DIG PROT	% *	15.7	17.5		
SHEEP DIG PROT	% *	16.5	18.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.50	2.79		
SHEEP DE	MCAL/KG *	2.47	2.76		
CATTLE ME	MCAL/KG *	2.05	2.29		
SHEEP ME	MCAL/KG *	2.03	2.26		
CATTLE NE-M	MCAL/KG *	1.22	1.37		
CATTLE NE-GAIN	MCAL/KG *	0.69	0.77		
CATTLE NE-LACTATION	MCAL/KG *	1.31	1.47		
CATTLE TDN	% *	56.8	63.3		
SHEEP TDN	% *	56.0	62.5		
VITAMIN A EQUIV	IU/G	300.3	335.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, LEAVES, S-C, (1)					
REF NO 1-00-146					
DRY MATTER	%	91.9	100.0		5
ORGANIC MATTER	%	81.7	88.8		
ASH	%	10.3	11.2		2
CRUDE FIBER	%	14.3	15.6	20	5
ETHER EXTRACT	%	3.8	4.2	36	5
NITROGEN FREE EXTRACT	%	34.8	37.8		1
PROTEIN	%	28.7	31.3	23	5
CATTLE DIG PROT	% *	22.1	24.0		
GOATS DIG PROT	% *	23.7	25.7		
HORSES DIG PROT	% *	22.1	24.1		
RABBITS DIG PROT	% *	21.0	22.8		
SHEEP DIG PROT	% *	22.6	24.6		
CALCIUM	%	0.97	1.06		2
IRON	%	0.018	0.019		1
PHOSPHORUS	%	0.26	0.28		2
ASCORBIC ACID	MG/KG	139.2	151.4		1
NIACIN	MG/KG	7.5	8.1		1
RIBOFLAVIN	MG/KG	11.7	12.8		1
THIAMINE	MG/KG	2.0	2.2		1
VITAMIN A EQUIV	IU/G	2.3	2.5		
ARGININE	%	0.58	0.63		1
CYSTINE	%	0.37	0.40		1
HISTIDINE	%	0.28	0.30		1
ISOLEUCINE	%	0.83	0.90		1
LEUCINE	%	1.20	1.30		1
LYSINE	%	0.92	1.00		1
METHIONINE	%	0.32	0.35		1
PHENYLALANINE	%	0.74	0.80		1
THREONINE	%	0.55	0.60		1
TRYPTOPHAN	%	0.28	0.30		1
VALINE	%	0.74	0.80		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MEDICAGO SATIVA, LEAVES, S-C, MATURE, (1)						
REF NO 1-17-699						
DRY MATTER		%	91.0	100.0		2
CRUDE FIBER		%	9.7	10.7		2
ETHER EXTRACT		%	5.6	6.2		2
PROTEIN		%	29.0	31.9		2
CATTLE	DIG PROT	% *	22.4	24.6		
GOATS	DIG PROT	% *	24.0	26.3		
HORSES	DIG PROT	% *	22.4	24.6		
RABBITS	DIG PROT	% *	21.2	23.3		
SHEEP	DIG PROT	% *	22.9	25.2		
MEDICAGO SATIVA, LEAVES, S-C CHOPPED, (1)						
REF NO 1-13-551						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.9		
ASH		%		11.1		1
CRUDE FIBER		%		29.8		1
ETHER EXTRACT		%		2.5		1
NITROGEN FREE EXTRACT		%		36.8		1
PROTEIN		%		19.8		1
CATTLE	DIG PROT	% *		14.1		
GOATS	DIG PROT	% *		15.0		
HORSES	DIG PROT	% *		14.3		
RABBITS	DIG PROT	% *		14.0		
SHEEP	DIG PROT	% *		14.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.54		
SHEEP	DE	MCAL/KG *		2.51		
CATTLE	ME	MCAL/KG *		2.09		
SHEEP	ME	MCAL/KG *		2.06		
CATTLE	NE-M	MCAL/KG *		1.23		
CATTLE	NE-GAIN	MCAL/KG *		0.58		
CATTLE	NE-LACTATION	MCAL/KG *		1.27		
CATTLE	TDN	% *		57.7		
SHEEP	TDN	% *		57.0		
MEDICAGO SATIVA, LEAVES, S-C GRND, (1)						
REF NO 1-00-147						
DRY MATTER		%	87.2	100.0	3	4
ORGANIC MATTER		%	78.1	89.6	10	4
ASH		%	9.5	10.9	10	5
CRUDE FIBER		%	23.0	26.3	23	5
ETHER EXTRACT		%	3.3	3.8	38	5
NITROGEN FREE EXTRACT		%	31.2	35.7	22	5
PROTEIN		%	20.3	23.2	37	5
CATTLE	DIG PROT	% *	14.9	17.1		
GOATS	DIG PROT	% *	15.9	18.2		
HORSES	DIG PROT	% *	15.0	17.3		
RABBITS	DIG PROT	% *	14.5	16.6		
SHEEP	DIG PROT	% *	15.2	17.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.32	2.66		
SHEEP	DE	MCAL/KG *	2.32	2.66		
CATTLE	ME	MCAL/KG *	1.90	2.18		
SHEEP	ME	MCAL/KG *	1.90	2.18		
CATTLE	NE-M	MCAL/KG *	1.13	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.58	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	1.19	1.36		
CATTLE	TDN	% *	52.6	60.4		
SHEEP	TDN	% *	52.6	60.3		
VITAMIN A EQUIV		IU/G	(342.5)	(392.8)		
MEDICAGO SATIVA, LEAVES, S-C GRND, MN 20% PROTEIN MX 18% FIBER, (1) SUNCURED ALFALFA LEAF MEAL (AAFCO)						
REF NO 1-00-246						
DRY MATTER		%	(90.0)	(100.0)		1
MANGANESE		MG/KG	26.0	28.9		1
MEDICAGO SATIVA, STEMS, S-C, (1)						
REF NO 1-00-164						
DRY MATTER		%	91.5	100.0		2
ORGANIC MATTER		%	82.3	90.0		
ASH		%	9.1	10.0		1
CRUDE FIBER		%	35.0	38.3		3
ETHER EXTRACT		%	2.0	2.2		3
NITROGEN FREE EXTRACT		%	34.4	37.6		1
PROTEIN		%	10.9	11.9		3
CATTLE	DIG PROT	% *	6.6	7.3		
GOATS	DIG PROT	% *	7.0	7.7		
HORSES	DIG PROT	% *	7.0	7.6		
RABBITS	DIG PROT	% *	7.2	7.9		
SHEEP	DIG PROT	% *	6.6	7.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.01	2.20		
SHEEP	DE	MCAL/KG *	2.06	2.25		
CATTLE	ME	MCAL/KG *	1.65	1.81		
SHEEP	ME	MCAL/KG *	1.69	1.84		
CATTLE	NE-M	MCAL/KG *	0.98	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.25	0.27		
CATTLE	NE-LACTATION	MCAL/KG *	0.92	1.00		
CATTLE	TDN	% *	45.7	49.9		
SHEEP	TDN	% *	46.6	51.0		
MEDICAGO SATIVA, STEMS, S-C, MATURE, (1)						
REF NO 1-17-698						
DRY MATTER		%	91.5	100.0		2
CRUDE FIBER		%	36.2	39.6		2
ETHER EXTRACT		%	2.3	2.5		2
PROTEIN		%	12.0	13.2		2
CATTLE	DIG PROT	% *	7.6	8.3		
GOATS	DIG PROT	% *	8.1	8.8		
HORSES	DIG PROT	% *	8.0	8.7		
RABBITS	DIG PROT	% *	8.1	8.8		
SHEEP	DIG PROT	% *	7.7	8.4		
MEDICAGO SATIVA, AERIAL PART, FRESH, (2)						
REF NO 2-00-196						
DRY MATTER		%	22.1	100.0	27	29
DM IN VITRO (TILLY)	DIG COEF	%	71.	71.		2
ORGANIC MATTER		%	19.8	89.5	99	2
ASH		%	3.0	13.5	99	56
CRUDE FIBER		%	7.1	32.1	78	51
ETHER EXTRACT		%	0.8	3.6	98	50
NITROGEN FREE EXTRACT		%	5.6	25.1	99	48
PROTEIN		%	5.6	25.5	98	60
CATTLE	DIG PROT	% *	4.3	19.5		
GOATS	DIG PROT	% *	4.5	20.3		
HORSES	DIG PROT	% *	4.2	19.1		
RABBITS	DIG PROT	% *	4.1	18.3		
SHEEP	DIG PROT	% *	4.6	20.7		
FIBER, ACID DETERGENT (VS)		%	5.7	25.8		2
ENERGY	GE	KCAL/KG	1003.	4533.		1
SHEEP	DE	MCAL/KG	0.58	2.62		1
SHEEP	ME	MCAL/KG *	0.48	2.15		
SHEEP	TDN	% *	13.1	59.4		
CALCIUM		%	0.25	1.12	81	27
COBALT		MG/KG	0.054	0.245		3
COPPER		MG/KG	3.2	14.3	64	9
MANGANESE		MG/KG	12.1	54.5	35	9
MOLYBDENUM		MG/KG	0.29	1.33	64	8
PHOSPHORUS		%	0.12	0.56	98	26
POTASSIUM		%	0.30	1.37		1
ACID INSOLUBLE ASH (SILICA)		%	0.91	4.10	98	13
ZINC		MG/KG	6.4	28.9	50	6
MEDICAGO SATIVA, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-17-670						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		85.0		
ASH		%		15.0		1
CRUDE FIBER		%		24.5		2
ETHER EXTRACT		%		4.8		1
NITROGEN FREE EXTRACT		%		20.7		1
PROTEIN		%		35.1		2
CATTLE	DIG PROT	% *		27.7		
GOATS	DIG PROT	% *		29.3		
HORSES	DIG PROT	% *		27.3		
RABBITS	DIG PROT	% *		25.8		
SHEEP	DIG PROT	% *		29.7		
CALCIUM		%		1.50		3
COBALT		MG/KG		0.147		3
COPPER		MG/KG		27.2		3
MANGANESE		MG/KG		17.5		3
MOLYBDENUM		MG/KG		0.07		2
PHOSPHORUS		%		0.41		3
MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-00-177						
DRY MATTER		%	38.4	100.0	47	10
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.	2	10
ORGANIC MATTER		%	34.3	89.4		10
ASH		%	4.8	12.6		3
SHEEP	DIG COEF	%	32.	32.		
CRUDE FIBER		%	11.0	28.6		3
ETHER EXTRACT		%	1.0	2.7		3
NITROGEN FREE EXTRACT		%	12.3	32.1		2
PROTEIN		%	9.3	24.1	12	17
SHEEP	DIG COEF	%	83.	83.	3	10

CONTINUED

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT	% *	7.1	18.4		
GOATS	DIG PROT	% *	7.3	19.0		
HORSES	DIG PROT	% *	6.9	18.0		
RABBITS	DIG PROT	% *	6.6	17.3		
SHEEP	DIG PROT	%	7.6	19.9		
FIBER, ACID DETERGENT (VS)		%	8.5	22.1	25	10
ENERGY	GE	KCAL/KG	1730.	4501.	2	10
SHEEP	DE	MCAL/KG	1.11	2.90	6	10
SHEEP	ME	MCAL/KG *	0.91	2.38		
SHEEP		TDN %	24.0	62.5	5	10
ALUMINUM		MG/KG	24.60	64.00		1
BORON		MG/KG	9.608	25.000		1
CALCIUM		%	0.59	1.55	20	8
COBALT		MG/KG	0.103	0.267	45	8
COPPER		MG/KG	9.4	24.5	25	9
IRON		%	0.006	0.016		1
MAGNESIUM		%	0.13	0.33		1
MANGANESE		MG/KG	14.9	38.7	40	9
MOLYBDENUM		MG/KG	0.70	1.82	98	4
PHOSPHORUS		%	0.11	0.28	35	9
POTASSIUM		%	1.09	2.84		1
SILICON		%	0.02	0.04		1
SODIUM		%	0.03	0.08		1
ZINC		MG/KG	28.4	74.0		1

MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-017

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.6	100.0	19	11
DM IN VITRO (TILLY)	DIG COEF	%	62.	62.	15	10
PROTEIN		%	7.2	24.2	13	10
CATTLE	DIG PROT	% *	5.5	18.5		
GOATS	DIG PROT	% *	5.7	19.2		
HORSES	DIG PROT	% *	5.4	18.1		
RABBITS	DIG PROT	% *	5.1	17.4		
SHEEP	DIG PROT	% *	5.8	19.6		
FIBER, ACID DETERGENT (VS)		%	6.2	20.9	9	6

MEDICAGO SATIVA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-00-181

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.6	100.0	36	9
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	10	4
ORGANIC MATTER		%	24.8	89.7	11	9
ASH		%	3.0	11.0	11	11
SHEEP	DIG COEF	%	36.	36.		
CRUDE FIBER		%	7.5	27.3	15	5
ETHER EXTRACT		%	0.6	2.1	17	5
NITROGEN FREE EXTRACT		%	10.4	37.7	7	5
PROTEIN		%	6.0	21.9	19	15
SHEEP	DIG COEF	%	74.	74.	2	4
CATTLE	DIG PROT	% *	4.6	16.5		
GOATS	DIG PROT	% *	4.7	17.0		
HORSES	DIG PROT	% *	4.4	16.1		
RABBITS	DIG PROT	% *	4.3	15.6		
SHEEP	DIG PROT	%	4.5	16.1		
FIBER, ACID DETERGENT (VS)		%	9.6	34.9	11	4
ENERGY	GE	KCAL/KG	1204.	4363.		4
CATTLE	DE	MCAL/KG *	0.76	2.75		
SHEEP	DE	MCAL/KG	0.72	2.62	5	4
CATTLE	ME	MCAL/KG *	0.62	2.25		
SHEEP	ME	MCAL/KG *	0.59	2.15		
CATTLE	NE-M	MCAL/KG *	0.37	1.34		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.74		
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.43		
CATTLE		TDN % *	17.2	62.3		
SHEEP		TDN %	16.4	59.3	4	4
ALUMINUM		MG/KG	18.22	66.00		2
BORON		MG/KG	8.418	30.500		2
CALCIUM		%	0.42	1.51	27	13
COPPER		MG/KG	3.9	14.1	98	8
IRON		%	0.004	0.014		2
MAGNESIUM		%	0.09	0.34		2
MANGANESE		MG/KG	28.7	103.9	65	8
MOLYBDENUM		MG/KG	0.53	1.93	47	8
PHOSPHORUS		%	0.09	0.34	28	13
POTASSIUM		%	0.63	2.28		2
SILICON		%	0.01	0.04		2
SODIUM		%	0.07	0.25		2
ZINC		MG/KG	11.2	40.6	28	8

MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-00-184

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.5	100.0	27	4
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.		1
ORGANIC MATTER		%	21.8	88.8	8	1
ASH		%	2.8	11.5	8	19
CRUDE FIBER		%	6.9	28.0	20	12
ETHER EXTRACT		%	0.6	2.6	40	12
NITROGEN FREE EXTRACT		%	8.6	35.1	21	10
PROTEIN		%	5.6	22.8	13	32
CATTLE	DIG PROT	% *	4.2	17.2		
GOATS	DIG PROT	% *	4.4	17.8		
HORSES	DIG PROT	% *	4.1	16.9		
RABBITS	DIG PROT	% *	4.0	16.2		
SHEEP	DIG PROT	% *	4.5	18.2		
CELL WALLS (VAN SOEST)		%	13.2	53.9		1
CELLULOSE (VAN SOEST)		%	6.6	27.1		1
FIBER, ACID DETERGENT (VS)		%	8.2	33.4		1
HEMICELLULOSE		%	5.0	20.5		1
LIGNIN KMNO4 (VS)		%	1.4	5.6		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.67		
SHEEP	DE	MCAL/KG *	0.68	2.77		
CATTLE	ME	MCAL/KG *	0.54	2.19		
SHEEP	ME	MCAL/KG *	0.56	2.27		
CATTLE	NE-M	MCAL/KG *	0.32	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.68		
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.37		
CATTLE		TDN % *	14.9	60.6		
SHEEP		TDN % *	15.4	62.7		
CALCIUM		%	0.40	1.64	22	34
COBALT		MG/KG	0.061	0.250	32	23
COPPER		MG/KG	4.3	17.5	31	30
MAGNESIUM		%	0.08	0.32		2
MANGANESE		MG/KG	9.4	38.3	54	29
MOLYBDENUM		MG/KG	0.18	0.72	98	22
PHOSPHORUS		%	0.06	0.26	28	34
ZINC		MG/KG	7.7	31.4	30	7

MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-00-182

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.8	100.0		2
ORGANIC MATTER		%	20.3	88.9		
ASH		%	2.5	11.1		2
CRUDE FIBER		%	7.5	32.8		2
ETHER EXTRACT		%	1.0	4.5		2
NITROGEN FREE EXTRACT		%	7.2	31.7		2
PROTEIN		%	4.5	19.9		3
CATTLE	DIG PROT	% *	3.4	14.8		
GOATS	DIG PROT	% *	3.5	15.2		
HORSES	DIG PROT	% *	3.3	14.4		
RABBITS	DIG PROT	% *	3.2	14.1		
SHEEP	DIG PROT	% *	3.5	15.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.66	2.88		
SHEEP	ME	MCAL/KG *	0.54	2.36		
SHEEP		TDN % *	14.9	65.2		
CALCIUM		%	0.54	2.36		1
MAGNESIUM		%	0.07	0.32		1
PHOSPHORUS		%	0.06	0.27		1

MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)

REF NO 2-00-183

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.4	100.0	10	6
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.	6	4
PROTEIN		%	5.4	21.4	17	6
CATTLE	DIG PROT	% *	4.1	16.1		
GOATS	DIG PROT	% *	4.2	16.6		
HORSES	DIG PROT	% *	4.0	15.7		
RABBITS	DIG PROT	% *	3.9	15.2		
SHEEP	DIG PROT	% *	4.3	17.0		

MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY BLOOM, CUT 3, (2)

REF NO 2-07-905

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.4	100.0	7	5
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.		3
PROTEIN		%	5.4	18.4	22	4
CATTLE	DIG PROT	% *	4.0	13.5		
GOATS	DIG PROT	% *	4.0	13.7		
HORSES	DIG PROT	% *	3.9	13.2		
RABBITS	DIG PROT	% *	3.8	12.9		
SHEEP	DIG PROT	% *	4.2	14.1		

MEDICAGO SATIVA, AERIAL PART, FRESH, EARLY BLOOM, CUT 4, (2)

REF NO 2-13-018

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	36.3	100.0	10	4
PROTEIN		%	5.5	15.1	9	4
CATTLE	DIG PROT	% *	3.9	10.7		
GOATS	DIG PROT	% *	3.9	10.6		
HORSES	DIG PROT	% *	3.8	10.3		
RABBITS	DIG PROT	% *	3.7	10.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT	% *	4.0	11.1		

MEDICAGO SATIVA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-00-185

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.7	100.0	20	19
OM IN VITRO (TILLY)	DIG COEF	%	64.	64.	8	8
ORGANIC MATTER		%	26.2	91.0	17	11
ASH		%	3.0	10.3	17	24
CRUDE FIBER		%	8.2	28.5	14	24
ETHER EXTRACT		%	0.7	2.5	24	23
NITROGEN FREE EXTRACT		%	10.6	37.0	10	17
PROTEIN		%	6.3	21.8	14	45
CATTLE	DIG PROT	% *	4.7	16.4		
GOATS	DIG PROT	% *	4.9	16.9		
HORSES	DIG PROT	% *	4.6	16.0		
RABBITS	DIG PROT	% *	4.5	15.5		
SHEEP	DIG PROT	% *	5.0	17.3		
CELL WALLS (VAN SOEST)		%	17.6	61.4		2
CELLULOSE (VAN SOEST)		%	10.1	35.1		2
FIBER, ACID DETERGENT (VS)		%	10.3	35.8	59	8
HEMICELLULOSE		%	4.1	14.3		2
LIGNIN KMNO4 (VS)		%	3.3	11.6		2
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.79	2.74		
SHEEP	DE	MCAL/KG *	0.80	2.77		
CATTLE	ME	MCAL/KG *	0.64	2.24		
SHEEP	ME	MCAL/KG *	0.65	2.27		
CATTLE	NE-M	MCAL/KG *	0.38	1.33		
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	0.41	1.42		
CATTLE	TDN	% *	17.8	62.1		
SHEEP	TDN	% *	18.1	62.8		
CALCIUM		%	0.45	1.58	23	42
COBALT		MG/KG	0.073	0.254	32	28
COPPER		MG/KG	5.4	18.9	29	31
MANGANESE		MG/KG	11.1	38.5	33	29
MOLYBDENUM		MG/KG	0.15	0.53	98	23
PHOSPHORUS		%	0.09	0.30	64	43
ZINC		MG/KG	10.9	37.9		3

MEDICAGO SATIVA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-00-188

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	45.7	100.0	6	4
OM IN VITRO (TILLY)	DIG COEF	%	60.	60.	6	6
ORGANIC MATTER		%	40.6	88.8		
ASH		%	5.1	11.2	15	14
CRUDE FIBER		%	12.8	27.9	22	19
ETHER EXTRACT		%	1.2	2.6	61	19
NITROGEN FREE EXTRACT		%	17.6	38.5	13	10
PROTEIN		%	9.0	19.8	21	30
CATTLE	DIG PROT	% *	6.7	14.7		
GOATS	DIG PROT	% *	6.9	15.0		
HORSES	DIG PROT	% *	6.5	14.3		
RABBITS	DIG PROT	% *	6.4	13.9		
SHEEP	DIG PROT	% *	7.0	15.4		
CELL WALLS (VAN SOEST)		%	27.8	60.8	7	6
CELLULOSE (VAN SOEST)		%	15.0	32.9	10	5
FIBER, ACID DETERGENT (VS)		%	19.8	43.4	12	6
HEMICELLULOSE		%	8.0	17.4	10	6
LIGNIN KMNO4 (VS)		%	4.9	10.6	19	6
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.22	2.68		
SHEEP	DE	MCAL/KG *	1.25	2.74		
CATTLE	ME	MCAL/KG *	1.00	2.20		
SHEEP	ME	MCAL/KG *	1.03	2.24		
CATTLE	NE-M	MCAL/KG *	0.60	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.31	0.68		
CATTLE	NE-LACTATION	MCAL/KG *	0.63	1.38		
CATTLE	TDN	% *	27.8	60.8		
SHEEP	TDN	% *	28.4	62.1		
CALCIUM		%	0.83	1.82	19	30
COBALT		MG/KG	0.155	0.340	44	20
COPPER		MG/KG	8.5	18.6	25	23
MAGNESIUM		%	0.12	0.27	11	4
MANGANESE		MG/KG	17.1	37.3	37	21
MOLYBDENUM		MG/KG	0.08	0.17	90	14
PHOSPHORUS		%	0.11	0.24	18	31

MEDICAGO SATIVA, AERIAL PART, FRESH, FULL BLOOM, CUT 2, (2)

REF NO 2-00-187

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	34.4	100.0		1
ORGANIC MATTER		%	30.2	87.8		
ASH		%	4.2	12.2		1
CRUDE FIBER		%	10.8	31.5		1
ETHER EXTRACT		%	1.1	3.1		1
NITROGEN FREE EXTRACT		%	14.1	41.0		1
PROTEIN		%	4.2	12.2		1
CATTLE	DIG PROT	% *	2.8	8.3		
GOATS	DIG PROT	% *	2.7	7.9		
HORSES	DIG PROT	% *	2.7	7.9		
RABBITS	DIG PROT	% *	2.8	8.1		
SHEEP	DIG PROT	% *	2.9	8.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.83	2.41		
SHEEP	DE	MCAL/KG *	0.89	2.59		
CATTLE	ME	MCAL/KG *	0.68	1.98		
SHEEP	ME	MCAL/KG *	0.73	2.13		
CATTLE	NE-M	MCAL/KG *	0.40	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	0.40	1.17		
CATTLE	TDN	% *	18.8	54.7		
SHEEP	TDN	% *	20.2	58.8		

MEDICAGO SATIVA, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-11-068

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	57.9	100.0		2
ORGANIC MATTER		%	51.6	89.1		
ASH		%	6.3	10.9	13	42
CRUDE FIBER		%	11.2	19.3	24	38
ETHER EXTRACT		%	1.6	2.8	48	38
NITROGEN FREE EXTRACT		%	27.6	47.7	8	38
PROTEIN		%	11.2	19.4	24	42
CATTLE	DIG PROT	% *	8.3	14.4		
GOATS	DIG PROT	% *	8.5	14.6		
HORSES	DIG PROT	% *	8.1	14.0		
RABBITS	DIG PROT	% *	7.9	13.6		
SHEEP	DIG PROT	% *	8.7	15.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.76	3.07		
SHEEP	DE	MCAL/KG *	1.71	2.95		
CATTLE	ME	MCAL/KG *	1.46	2.52		
SHEEP	ME	MCAL/KG *	1.40	2.42		
CATTLE	NE-M	MCAL/KG *	0.89	1.54		
CATTLE	NE-GAIN	MCAL/KG *	0.56	0.97		
CATTLE	NE-LACTATION	MCAL/KG *	0.97	1.68		
CATTLE	TDN	% *	40.3	69.7		
SHEEP	TDN	% *	38.7	66.8		
CALCIUM		%	0.83	1.44	11	4
COPPER		MG/KG	4.5	7.8	2	4
MANGANESE		MG/KG	38.4	66.3	27	4
MOLYBDENUM		MG/KG	1.27	2.20	18	4
PHOSPHORUS		%	0.12	0.20	10	4
ZINC		MG/KG	15.2	26.2	9	4

MEDICAGO SATIVA, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)

REF NO 2-13-397

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.3	100.0	20	29
OM IN VITRO (TILLY)	DIG COEF	%	66.	66.	6	29
PROTEIN		%	5.7	23.6	17	30
CATTLE	DIG PROT	% *	4.4	17.9		
GOATS	DIG PROT	% *	4.5	18.5		
HORSES	DIG PROT	% *	4.3	17.5		
RABBITS	DIG PROT	% *	4.1	16.9		
SHEEP	DIG PROT	% *	4.6	18.9		
FIBER, ACID DETERGENT (VS)		%	6.3	25.8	20	29

MEDICAGO SATIVA, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-00-191

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.1	100.0	20	5
ORGANIC MATTER		%	15.4	90.0		
ASH		%	1.7	10.0	10	15
CRUDE FIBER		%	3.9	22.8	10	15
ETHER EXTRACT		%	0.7	3.9	13	15
NITROGEN FREE EXTRACT		%	6.9	40.1	4	15
PROTEIN		%	4.0	23.2	12	15
CATTLE	DIG PROT	% *	3.0	17.6		
GOATS	DIG PROT	% *	3.1	18.2		
HORSES	DIG PROT	% *	2.9	17.2		
RABBITS	DIG PROT	% *	2.8	16.5		
SHEEP	DIG PROT	% *	3.2	18.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.51	2.98		
SHEEP	DE	MCAL/KG *	0.51	2.99		
CATTLE	ME	MCAL/KG *	0.42	2.44		
SHEEP	ME	MCAL/KG *	0.42	2.45		
CATTLE	NE-M	MCAL/KG *	0.25	1.48		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.90		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.61		
CATTLE	TDN	% *	11.6	67.5		
SHEEP	TDN	% *	11.6	67.8		
CALCIUM		%	0.03	0.15	10	4
COPPER		MG/KG	2.2	12.6	19	4
IRON		%	0.006	0.037	16	4
MAGNESIUM		%	0.37	2.17	19	4

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MANGANESE	MG/KG	4.8	28.2	33	4
PHOSPHORUS	%	0.06	0.34	34	4
POTASSIUM	%	0.04	0.26	15	4
SODIUM	%	0.02	0.10	31	4

MEDICAGO SATIVA, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-00-193

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.7	100.0	16	5
ORGANIC MATTER		%	16.0	90.1		
ASH		%	1.8	9.9	15	15
CRUDE FIBER		%	4.2	23.7	13	15
ETHER EXTRACT		%	0.6	3.5	17	15
NITROGEN FREE EXTRACT		%	7.1	40.1	9	15
PROTEIN		%	4.0	22.7	11	15
CATTLE	DIG PROT	% *	3.0	17.2		
GOATS	DIG PROT	% *	3.1	17.8		
HORSES	DIG PROT	% *	3.0	16.8		
RABBITS	DIG PROT	% *	2.9	16.2		
SHEEP	DIG PROT	% *	3.2	18.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.52	2.92		
SHEEP	DE	MCAL/KG *	0.52	2.94		
CATTLE	ME	MCAL/KG *	0.42	2.39		
SHEEP	ME	MCAL/KG *	0.43	2.41		
CATTLE	NE-M	MCAL/KG *	0.26	1.44		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.86		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.56		
CATTLE	TDN	% *	11.7	66.2		
SHEEP	TDN	% *	11.8	66.6		
CALCIUM		%	0.03	0.15		1
COPPER		MG/KG	2.6	14.5		1
IRON		%	0.006	0.036		1
MAGNESIUM		%	0.04	0.20		1
MANGANESE		MG/KG	10.8	60.7		1
PHOSPHORUS		%	0.06	0.36		1
POTASSIUM		%	0.55	3.13		1
SODIUM		%	0.02	0.12		1

MEDICAGO SATIVA, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-00-194

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	20.0	100.0	19	4
ORGANIC MATTER		%	18.0	89.9		
ASH		%	2.0	10.1	23	12
CRUDE FIBER		%	4.5	22.4	17	12
ETHER EXTRACT		%	1.0	5.2	84	12
NITROGEN FREE EXTRACT		%	8.3	41.5	14	12
PROTEIN		%	4.2	20.9	12	12
CATTLE	DIG PROT	% *	3.1	15.6		
GOATS	DIG PROT	% *	3.2	16.0		
HORSES	DIG PROT	% *	3.0	15.2		
RABBITS	DIG PROT	% *	3.0	14.8		
SHEEP	DIG PROT	% *	3.3	16.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.67	3.33		
SHEEP	DE	MCAL/KG *	0.61	3.07		
CATTLE	ME	MCAL/KG *	0.55	2.73		
SHEEP	ME	MCAL/KG *	0.50	2.52		
CATTLE	NE-M	MCAL/KG *	0.34	1.71		
CATTLE	NE-GAIN	MCAL/KG *	0.23	1.13		
CATTLE	NE-LACTATION	MCAL/KG *	0.38	1.89		
CATTLE	TDN	% *	15.1	75.5		
SHEEP	TDN	% *	13.9	69.7		

MEDICAGO SATIVA, LEAVES, FRESH, (2)

REF NO 2-00-202

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.7	100.0		1
ORGANIC MATTER		%	26.7	89.9		
ASH		%	3.0	10.1	21	27
CRUDE FIBER		%	5.2	17.5	53	27
ETHER EXTRACT		%	1.2	4.0	36	27
NITROGEN FREE EXTRACT		%	11.8	39.7	14	26
PROTEIN		%	8.5	28.6	22	27
CATTLE	DIG PROT	% *	6.6	22.2		
GOATS	DIG PROT	% *	6.9	23.3		
HORSES	DIG PROT	% *	6.5	21.8		
RABBITS	DIG PROT	% *	6.2	20.8		
SHEEP	DIG PROT	% *	7.0	23.7		
CALCIUM		%	0.76	2.56	46	26
IRON		%	0.010	0.034		1
PHOSPHORUS		%	0.09	0.32	32	21
POTASSIUM		%	0.19	0.65		1
ASCORBIC ACID		MG/KG	285.0	959.6		1
NIACIN		MG/KG	8.2	27.6		1
RIBOFLAVIN		MG/KG	9.5	32.0		1
THIAMINE		MG/KG	1.7	5.7		1
VITAMIN A EQUIV		IU/G	240.7	810.5		

MEDICAGO SATIVA, AERIAL PART, ENSILED, (3)

REF NO 3-00-212

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.7	100.0	29	14
ORGANIC MATTER		%	24.4	85.0		
ASH		%	4.3	15.0	61	5
CRUDE FIBER		%	8.9	31.0	14	11
SHEEP	DIG COEF	%	50.	50.		1
ETHER EXTRACT		%	1.1	3.8	51	5
SHEEP	DIG COEF	%	58.	58.		1
NITROGEN FREE EXTRACT		%	9.7	33.7	19	5
SHEEP	DIG COEF	% *	61.	61.		
PROTEIN		%	4.7	16.5	21	12
CATTLE	DIG COEF	%	48.	48.		1
SHEEP	DIG COEF	%	64.	64.		1
CATTLE	DIG PROT	%	2.3	7.9		
GOATS	DIG PROT	% *	3.2	11.2		
HORSES	DIG PROT	% *	3.2	11.2		
SHEEP	DIG PROT	%	(3.0)	(10.5)		
LIGNIN (ELLIS)		%	3.4	11.7		1
ENERGY	GE	KCAL/KG	1328.	4621.		2
CATTLE	GE DIG COEF	%	58.	58.		1
SHEEP	GE DIG COEF	%	63.	63.		1
CATTLE	DE	MCAL/KG	0.77	2.68		1
SHEEP	DE	MCAL/KG	0.84	2.91		
CATTLE	ME	MCAL/KG *	0.63	2.20		
SHEEP	ME	MCAL/KG *	0.69	2.39		
CATTLE	NE-M	MCAL/KG *	0.37	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.69		
CATTLE	NE-LACTATION	MCAL/KG *	0.40	1.38		
CATTLE	TDN	%	17.1	59.4		1
SHEEP	TDN	% *	(14.8)	(51.6)		
CALCIUM		%	(0.52)	(1.82)	23	9
CHLORINE		%	(0.13)	(0.45)		1
COPPER		MG/KG	(1.8)	(6.2)		3
IRON		%	(0.008)	(0.028)		3
MAGNESIUM		%	(0.10)	(0.36)		3
MANGANESE		MG/KG	(9.7)	(33.9)		3
PHOSPHORUS		%	(0.07)	(0.26)	38	9
POTASSIUM		%	(0.68)	(2.38)		3
SODIUM		%	(0.05)	(0.16)		1
SULPHUR		%	0.10	0.36		1
VITAMIN A EQUIV		IU/G	39.5	137.6		
PH -	PH	UNITS	5.30	5.30		1

MEDICAGO SATIVA, AERIAL PART, ENSILED, LATE VEGETATIVE, (3)

REF NO 3-00-204

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.4	100.0	1	11
ORGANIC MATTER		%	19.3	86.4	1	11
ASH		%	3.1	13.6	1	11
PROTEIN		%	4.3	19.3	11	11
CATTLE	DIG PROT	% *	3.1	13.7		
GOATS	DIG PROT	% *	3.1	13.7		
HORSES	DIG PROT	% *	3.1	13.7		
SHEEP	DIG PROT	% *	3.1	13.7		

MEDICAGO SATIVA, AERIAL PART, ENSILED TRENCH SILO, LATE VEGETATIVE, (3)

REF NO 3-13-113

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.4	100.0		6
ORGANIC MATTER		%	22.8	86.5		6
ASH		%	3.6	13.6		6
PROTEIN		%	4.4	16.6		6
CATTLE	DIG PROT	% *	3.0	11.3		
GOATS	DIG PROT	% *	3.0	11.3		
HORSES	DIG PROT	% *	3.0	11.3		
SHEEP	DIG PROT	% *	3.0	11.3		

MEDICAGO SATIVA, AERIAL PART, WILTED ENSILED, (3)

REF NO 3-00-221

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	38.4	100.0		1
ORGANIC MATTER		%	(33.8)	(87.9)		
ASH		%	(4.6)	(12.1)		1
CRUDE FIBER		%	(9.4)	(24.4)		1
ETHER EXTRACT		%	(2.3)	(5.9)		1
NITROGEN FREE EXTRACT		%	(14.5)	(37.7)		1
PROTEIN		%	(7.6)	(19.9)		1
CATTLE	DIG PROT	% *	(5.5)	(14.3)		
GOATS	DIG PROT	% *	(5.5)	(14.3)		
HORSES	DIG PROT	% *	(5.5)	(14.3)		
SHEEP	DIG PROT	% *	(5.5)	(14.3)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(1.16)	(3.02)		
SHEEP	DE	MCAL/KG *	(1.08)	(2.81)		
CATTLE	ME	MCAL/KG *	(0.95)	(2.47)		
SHEEP	ME	MCAL/KG *	(0.88)	(2.30)		
CATTLE	NE-M	MCAL/KG *	(0.58)	(1.50)		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CATTLE	NE-GAIN	MCAL/KG *	(0.36)	(0.93)	
CATTLE	NE-LACTATION	MCAL/KG *	(0.63)	(1.64)	
CATTLE		TDN % *	(26.3)	(68.4)	
SHEEP		TDN % *	24.5	63.7	
PH		PH UNITS	3.90	3.90	1

MEDICAGO SATIVA, ALFALFA, BUFFALO

MEDICAGO SATIVA BUFFALO, HAY, S-C, (1)

REF NO 1-13-603

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
PROTEIN		%		25.6	1
CATTLE	DIG PROT	% *		19.1	
GOATS	DIG PROT	% *		20.5	
HORSES	DIG PROT	% *		19.3	
RABBITS	DIG PROT	% *		18.5	
SHEEP	DIG PROT	% *		19.6	

MEDICAGO SATIVA BUFFALO, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-13-655

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.8	
ASH		%		9.2	1
CRUDE FIBER		%		20.4	1
ETHER EXTRACT		%		3.4	1
NITROGEN FREE EXTRACT		%		41.3	1
PROTEIN		%		25.6	1
CATTLE	DIG PROT	% *		19.6	
GOATS	DIG PROT	% *		20.4	
HORSES	DIG PROT	% *		19.2	
RABBITS	DIG PROT	% *		18.4	
SHEEP	DIG PROT	% *		20.8	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		3.04	
SHEEP	ME	MCAL/KG *		2.50	
SHEEP		TDN % *		69.0	

MEDICAGO SATIVA BUFFALO, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-13-653

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.4	
ASH		%		8.6	1
CRUDE FIBER		%		21.9	1
ETHER EXTRACT		%		3.1	1
NITROGEN FREE EXTRACT		%		40.3	1
PROTEIN		%		26.1	1
CATTLE	DIG PROT	% *		20.1	
GOATS	DIG PROT	% *		20.9	
HORSES	DIG PROT	% *		19.7	
RABBITS	DIG PROT	% *		18.8	
SHEEP	DIG PROT	% *		21.3	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		3.01	
SHEEP	ME	MCAL/KG *		2.47	
SHEEP		TDN % *		68.3	

MEDICAGO SATIVA BUFFALO, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-13-650

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.0	
ASH		%		9.0	1
CRUDE FIBER		%		21.3	1
ETHER EXTRACT		%		3.4	1
NITROGEN FREE EXTRACT		%		47.0	1
PROTEIN		%		19.4	1
CATTLE	DIG PROT	% *		14.4	
GOATS	DIG PROT	% *		14.6	
HORSES	DIG PROT	% *		14.0	
RABBITS	DIG PROT	% *		13.6	
SHEEP	DIG PROT	% *		15.0	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		3.25	
SHEEP	DE	MCAL/KG *		2.98	
CATTLE	ME	MCAL/KG *		2.67	
SHEEP	ME	MCAL/KG *		2.44	
CATTLE	NE-M	MCAL/KG *		1.66	
CATTLE	NE-GAIN	MCAL/KG *		1.08	
CATTLE	NE-LACTATION	MCAL/KG *		1.83	
CATTLE		TDN % *		73.8	
SHEEP		TDN % *		67.5	

MEDICAGO SATIVA, ALFALFA, CALIVERDE

MEDICAGO SATIVA CALIVERDE, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-13-654

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.7	
ASH		%		9.3	1
CRUDE FIBER		%		19.3	1
ETHER EXTRACT		%		3.4	1
NITROGEN FREE EXTRACT		%		40.2	1
PROTEIN		%		27.8	1
CATTLE	DIG PROT	% *		21.5	
GOATS	DIG PROT	% *		22.5	
HORSES	DIG PROT	% *		21.1	
RABBITS	DIG PROT	% *		20.1	
SHEEP	DIG PROT	% *		22.9	

MEDICAGO SATIVA CALIVERDE, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-13-652

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.9	
ASH		%		9.1	1
CRUDE FIBER		%		21.2	1
ETHER EXTRACT		%		2.9	1
NITROGEN FREE EXTRACT		%		40.6	1
PROTEIN		%		26.2	1
CATTLE	DIG PROT	% *		20.1	
GOATS	DIG PROT	% *		21.0	
HORSES	DIG PROT	% *		19.7	
RABBITS	DIG PROT	% *		18.9	
SHEEP	DIG PROT	% *		21.4	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *		2.99	
SHEEP	ME	MCAL/KG *		2.45	
SHEEP		TDN % *		67.8	

MEDICAGO SATIVA CALIVERDE, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-13-651

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.4	
ASH		%		8.6	1
CRUDE FIBER		%		21.8	1
ETHER EXTRACT		%		3.2	1
NITROGEN FREE EXTRACT		%		33.2	2

MEDICAGO SATIVA, ALFALFA, RANGER

MEDICAGO SATIVA RANGER, HAY, S-C, (1)

REF NO 1-13-602

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
PROTEIN		%		24.7	2
CATTLE	DIG PROT	% *		18.4	
GOATS	DIG PROT	% *		19.6	
HORSES	DIG PROT	% *		18.5	
RABBITS	DIG PROT	% *		17.8	
SHEEP	DIG PROT	% *		18.8	

MEDICAGO SATIVA, TRIFOLIUM PRATENSE, ALFALFA-CLOVER, RED

MEDICAGO SATIVA, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, (2)

REF NO 2-17-414

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	21.8	100.0	2
ORGANIC MATTER		%	19.8	91.2	2
ASH		%	2.0	9.4	2
CRUDE FIBER		%	5.6	25.8	2
ETHER EXTRACT		%	1.9	8.7	2
NITROGEN FREE EXTRACT		%	8.5	38.9	2
PROTEIN		%	3.8	17.3	2
CATTLE	DIG PROT	% *	2.7	12.6	
GOATS	DIG PROT	% *	2.8	12.7	
HORSES	DIG PROT	% *	2.6	12.2	
RABBITS	DIG PROT	% *	2.6	12.0	
SHEEP	DIG PROT	% *	2.8	13.1	
ENERGY	GE	KCAL/KG	985.	4529.	2
SHEEP	DE	MCAL/KG	0.63	2.90	2
SHEEP	ME	MCAL/KG *	0.52	2.38	
SHEEP		TDN % *	14.3	65.8	

MEDICAGO SPP, MEDIC

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MEDICAGO SPP, AERIAL PART, FRESH, (2)					
REF NO 2-11-883					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.7		
ASH	%		10.3		1
PROTEIN	%		23.2		1
CATTLE	DIG PROT % *		17.6		
GOATS	DIG PROT % *		18.2		
HORSES	DIG PROT % *		17.2		
RABBITS	DIG PROT % *		16.6		
SHEEP	DIG PROT % *		18.6		
CALCIUM	%		2.53		1
COPPER	MG/KG		27.0		1
MANGANESE	MG/KG		62.2		1
MOLYBDENUM	MG/KG		1.04		1
PHOSPHORUS	%		0.16		1
ZINC	MG/KG		49.8		1
MELANTHERA DELTOIDEA					
MELANTHERA DELTOIDEA DELTOIDEA, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-552					
DRY MATTER	%	23.7	100.0		2
ORGANIC MATTER	%	19.9	84.0		2
ASH	%	3.8	16.0		2
CRUDE FIBER	%	8.1	34.1		2
ETHER EXTRACT	%	0.5	1.9		2
NITROGEN FREE EXTRACT	%	8.3	35.0		2
PROTEIN	%	3.1	13.0		2
CATTLE	DIG PROT % *	2.1	8.9		
GOATS	DIG PROT % *	2.1	8.7		
HORSES	DIG PROT % *	2.0	8.6		
RABBITS	DIG PROT % *	2.1	8.7		
SHEEP	DIG PROT % *	2.2	9.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.58	2.46		
SHEEP	DE MCAL/KG *	0.58	2.43		
CATTLE	ME MCAL/KG *	0.48	2.02		
SHEEP	ME MCAL/KG *	0.47	1.99		
CATTLE	NE-M MCAL/KG *	0.28	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.29	1.21		
CATTLE	TDN % *	13.2	55.8		
SHEEP	TDN % *	13.1	55.1		
CALCIUM	%	0.52	2.21		2
PHOSPHORUS	%	0.15	0.62		2
MELILOTUS ALBA, SWEETCLOVER, WHITE					
MELILOTUS ALBA WHITE, AERIAL PART, FRESH, (2)					
REF NO 2-09-597					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.4		
ASH	%		11.6		2
CRUDE FIBER	%		25.9		2
ETHER EXTRACT	%		4.2		2
NITROGEN FREE EXTRACT	%		44.0		2
PROTEIN	%		14.2		2
CATTLE	DIG PROT % *		10.0		
GOATS	DIG PROT % *		9.9		
HORSES	DIG PROT % *		9.6		
RABBITS	DIG PROT % *		9.7		
SHEEP	DIG PROT % *		10.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.96		
SHEEP	DE MCAL/KG *		2.76		
CATTLE	ME MCAL/KG *		2.43		
SHEEP	ME MCAL/KG *		2.26		
CATTLE	NE-M MCAL/KG *		1.47		
CATTLE	NE-GAIN MCAL/KG *		0.89		
CATTLE	NE-LACTATION MCAL/KG *		1.60		
CATTLE	TDN % *		67.2		
SHEEP	TDN % *		62.6		
CALCIUM	%		0.25		1
PHOSPHORUS	%		0.01		1
MELILOTUS ALBA WHITE, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-11-586					
DRY MATTER	%	42.5	100.0		1
ORGANIC MATTER	%	39.8	93.7		
ASH	%	2.7	6.3		1
CRUDE FIBER	%	12.3	28.9		1
ETHER EXTRACT	%	0.6	1.5		1
NITROGEN FREE EXTRACT	%	21.7	51.1		1
PROTEIN	%	5.2	12.2		1
CATTLE	DIG PROT % *	3.5	8.3		
GOATS	DIG PROT % *	3.4	7.9		
HORSES	DIG PROT % *	3.4	7.9		
RABBITS	DIG PROT % *	3.4	8.1		
SHEEP	DIG PROT % *	3.6	8.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.15	2.71		
SHEEP	DE MCAL/KG *	1.17	2.74		
CATTLE	ME MCAL/KG *	0.95	2.22		
SHEEP	ME MCAL/KG *	0.96	2.25		
CATTLE	NE-M MCAL/KG *	0.56	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.30	0.71		
CATTLE	NE-LACTATION MCAL/KG *	0.60	1.40		
CATTLE	TDN % *	26.2	61.5		
SHEEP	TDN % *	26.4	62.2		
CALCIUM	%	0.20	0.46		1
PHOSPHORUS	%	0.00	0.01		1
MELILOTUS ALBA WHITE, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-17-553					
DRY MATTER	%	33.8	100.0		1
ORGANIC MATTER	%	31.2	92.3		1
ASH	%	2.6	7.7		1
CRUDE FIBER	%	11.3	33.3		1
ETHER EXTRACT	%	0.5	1.6		1
NITROGEN FREE EXTRACT	%	13.9	41.1		1
PROTEIN	%	5.5	16.3		1
CATTLE	DIG PROT % *	4.0	11.7		
GOATS	DIG PROT % *	4.0	11.8		
HORSES	DIG PROT % *	3.8	11.4		
RABBITS	DIG PROT % *	3.8	11.3		
SHEEP	DIG PROT % *	4.1	12.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.92	2.71		
SHEEP	DE MCAL/KG *	0.90	2.66		
CATTLE	ME MCAL/KG *	0.75	2.22		
SHEEP	ME MCAL/KG *	0.74	2.18		
CATTLE	NE-M MCAL/KG *	0.45	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.24	0.71		
CATTLE	NE-LACTATION MCAL/KG *	0.47	1.40		
CATTLE	TDN % *	20.8	61.4		
SHEEP	TDN % *	20.4	60.2		
CALCIUM	%	0.32	0.94		1
PHOSPHORUS	%	0.08	0.25		1
MELINIS MINUTIFLORA, MOLASSESGRASS					
MELINIS MINUTIFLORA, AERIAL PART, DEHY, (1)					
REF NO 1-17-551					
DRY MATTER	%	94.3	100.0		4
ORGANIC MATTER	%	84.7	89.8		
ASH	%	9.6	10.2	23	4
CRUDE FIBER	%	30.5	32.4	12	4
ETHER EXTRACT	%	1.5	1.6	14	4
NITROGEN FREE EXTRACT	%	44.3	46.9	1	4
PROTEIN	%	8.4	8.9	14	4
CATTLE	DIG PROT % *	4.4	4.7		
GOATS	DIG PROT % *	4.6	4.9		
HORSES	DIG PROT % *	4.8	5.1		
RABBITS	DIG PROT % *	5.3	5.6		
SHEEP	DIG PROT % *	4.3	4.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.14	2.27		
HORSES	DE MCAL/KG *	1.64	1.74		
SHEEP	DE MCAL/KG *	2.14	2.27		
CATTLE	ME MCAL/KG *	1.76	1.86		
HORSES	ME MCAL/KG *	1.35	1.43		
SHEEP	ME MCAL/KG *	1.75	1.86		
CATTLE	NE-M MCAL/KG *	1.04	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.32	0.39		
CATTLE	NE-LACTATION MCAL/KG *	1.00	1.06		
CATTLE	TDN % *	48.6	51.6		
HORSES	TDN % *	40.6	43.0		
SHEEP	TDN % *	48.5	51.4		
MELINIS MINUTIFLORA, AERIAL PART, 8-C FERTILIZED, EARLY VEGETATIVE, CUT 1, (1)					
REF NO 1-17-664					
DRY MATTER	%	74.9	100.0	9	6
PROTEIN	%	2.0	2.7	17	6
CATTLE	DIG PROT % *	-0.6	-0.8		
GOATS	DIG PROT % *	-0.7	-1.0		
HORSES	DIG PROT % *	-0.2	-0.2		
RABBITS	DIG PROT % *	0.5	0.7		
SHEEP	DIG PROT % *	-0.8	-1.0		
CALCIUM	%	0.34	0.46	62	6

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MAGNESIUM	%	0.26	0.34	49	6
MANGANESE	MG/KG	131.3	175.3	43	6
PHOSPHORUS	%	0.03	0.05	30	6
POTASSIUM	%	0.28	0.38	25	6
SODIUM	%	0.27	0.36	98	6
ZINC	MG/KG	42.4	56.6	28	6

MELINIS MINUTIFLORA, HAY, S-C, (1)

REF NO 1-09-456

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.9	100.0		1
ORGANIC MATTER	%	80.4	87.5		
ASH	%	11.5	12.5	99	10
CRUDE FIBER	%	29.0	31.5	34	10
ETHER EXTRACT	%	2.9	3.1	33	10
NITROGEN FREE EXTRACT	%	43.0	46.8	11	10
PROTEIN	%	5.6	6.1	18	10
CATTLE DIG PROT % *		2.0	2.2		
GOATS DIG PROT % *		2.0	2.2		
HORSES DIG PROT % *		2.5	2.7		
RABBITS DIG PROT % *		3.1	3.4		
SHEEP DIG PROT % *		1.9	2.0		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.06	2.24		
HORSES DE MCAL/KG *		1.84	2.01		
SHEEP DE MCAL/KG *		1.99	2.16		
CATTLE ME MCAL/KG *		1.69	1.84		
HORSES ME MCAL/KG *		1.51	1.64		
SHEEP ME MCAL/KG *		1.63	1.77		
CATTLE NE-M MCAL/KG *		1.00	1.09		
CATTLE NE-GAIN MCAL/KG *		0.29	0.31		
CATTLE NE-LACTATION MCAL/KG *		0.95	1.03		
CATTLE TDN % *		46.7	50.8		
HORSES TDN % *		46.2	50.2		
SHEEP TDN % *		45.1	49.0		

MELINIS MINUTIFLORA, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)

REF NO 1-17-652

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.5	100.0	11	4
PROTEIN	%	2.1	2.5	15	4
CATTLE DIG PROT % *		-0.8	-0.9		
GOATS DIG PROT % *		-1.0	-1.2		
HORSES DIG PROT % *		-0.3	-0.4		
RABBITS DIG PROT % *		0.5	0.6		
SHEEP DIG PROT % *		-1.1	-1.2		
CALCIUM	%	0.39	0.45	74	4
MAGNESIUM	%	0.35	0.41	39	4
MANGANESE	MG/KG	147.4	170.5	33	4
PHOSPHORUS	%	0.03	0.04	16	4
POTASSIUM	%	0.48	0.56	54	4
SODIUM	%	0.06	0.07	39	4
ZINC	MG/KG	62.7	72.5	24	4

MELINIS MINUTIFLORA, HAY, S-C, LATE VEGETATIVE, (1)

REF NO 1-10-234

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.5	100.0		2
ORGANIC MATTER	%	85.6	93.5		
ASH	%	5.9	6.5		2
CRUDE FIBER	%	33.4	36.5		2
SHEEP DIG COEF %		59.	59.		2
ETHER EXTRACT	%	3.2	3.5		2
SHEEP DIG COEF %		66.	66.		2
NITROGEN FREE EXTRACT	%	44.5	48.6		2
SHEEP DIG COEF %		53.	53.		2
PROTEIN	%	4.6	5.0		2
SHEEP DIG COEF %		29.	29.		2
CATTLE DIG PROT % *		1.2	1.3		
GOATS DIG PROT % *		1.1	1.2		
HORSES DIG PROT % *		1.6	1.8		
RABBITS DIG PROT % *		2.3	2.5		
SHEEP DIG PROT %		1.3	1.4		
ENERGY GE KCAL/KG		4652.	5085.		2
SHEEP GE DIG COEF %		53.	53.		2
CATTLE DE MCAL/KG *		2.21	2.42		
HORSES DE MCAL/KG *		1.86	2.03		
SHEEP DE MCAL/KG		2.44	2.67		
CATTLE ME MCAL/KG *		1.81	1.98		
HORSES ME MCAL/KG *		1.53	1.67		
SHEEP ME MCAL/KG *		2.00	2.19		
CATTLE NE-M MCAL/KG *		1.07	1.17		
CATTLE NE-GAIN MCAL/KG *		0.43	0.47		
CATTLE NE-LACTATION MCAL/KG *		1.07	1.17		
CATTLE TDN % *		50.2	54.8		
HORSES TDN % *		46.6	51.0		
SHEEP TDN %		48.8	53.4		2

MELINIS MINUTIFLORA, STEMS, S-C, EARLY VEGETATIVE, CUT 3, (1)

REF NO 1-17-653

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	83.1	100.0		2
PROTEIN	%	2.8	3.4		2
CATTLE DIG PROT % *		-0.1	-0.1		
GOATS DIG PROT % *		-0.2	-0.3		
HORSES DIG PROT % *		0.3	0.4		
RABBITS DIG PROT % *		1.1	1.3		
SHEEP DIG PROT % *		-0.3	-0.4		
CALCIUM	%	0.66	0.79		2
MAGNESIUM	%	0.24	0.29		2
MANGANESE	MG/KG	103.4	124.5		2
PHOSPHORUS	%	0.04	0.05		2
POTASSIUM	%	0.28	0.34		2
SODIUM	%	0.04	0.05		2
ZINC	MG/KG	64.8	78.0		2

MELINIS MINUTIFLORA, STEMS, S-C, EARLY VEGETATIVE, CUT 4, (1)

REF NO 1-17-654

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	76.3	100.0		1
PROTEIN	%	3.1	4.1		1
CATTLE DIG PROT % *		0.4	0.5		
GOATS DIG PROT % *		0.3	0.4		
HORSES DIG PROT % *		0.8	1.0		
RABBITS DIG PROT % *		1.4	1.8		
SHEEP DIG PROT % *		0.2	0.2		
CALCIUM	%	0.03	0.04		1
MAGNESIUM	%	0.31	0.40		1
MANGANESE	MG/KG	32.8	43.0		1
PHOSPHORUS	%	0.02	0.02		1
POTASSIUM	%	0.11	0.15		1
SODIUM	%	0.04	0.06		1
ZINC	MG/KG	8.0	10.5		1

MELINIS MINUTIFLORA, STEMS, S-C, LATE BLOOM, CUT 4, (1)

REF NO 1-17-651

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	70.0	100.0		1
PROTEIN	%	2.2	3.1		1
CATTLE DIG PROT % *		-0.3	-0.4		
GOATS DIG PROT % *		-0.4	-0.5		
HORSES DIG PROT % *		0.1	0.2		
RABBITS DIG PROT % *		0.7	1.1		
SHEEP DIG PROT % *		-0.5	-0.6		
CALCIUM	%	0.07	0.10		1
MAGNESIUM	%	0.30	0.43		1
MANGANESE	MG/KG	102.9	147.0		1
PHOSPHORUS	%	0.07	0.10		1
POTASSIUM	%	0.11	0.16		1
SODIUM	%	0.04	0.06		1
ZINC	MG/KG	28.7	41.0		1

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, EARLY VEGETATIVE, (1)

REF NO 1-17-660

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	71.1	100.0		1
PROTEIN	%	2.1	2.9		1
CATTLE DIG PROT % *		-0.4	-0.5		
GOATS DIG PROT % *		-0.5	-0.7		
HORSES DIG PROT % *		-0.0	-0.0		
RABBITS DIG PROT % *		0.6	0.9		
SHEEP DIG PROT % *		-0.6	-0.8		
CALCIUM	%	0.54	0.76		1
MAGNESIUM	%	0.16	0.22		1
MANGANESE	MG/KG	134.4	189.0		1
PHOSPHORUS	%	0.09	0.12		1
POTASSIUM	%	0.33	0.46		1
SODIUM	%	0.05	0.06		1
ZINC	MG/KG	56.2	79.0		1

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, EARLY VEGETATIVE, CUT 3, (1)

REF NO 1-17-662

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
PROTEIN	%		3.4		2
CATTLE DIG PROT % *			-0.2		
GOATS DIG PROT % *			-0.3		
HORSES DIG PROT % *			0.4		
RABBITS DIG PROT % *			1.3		
SHEEP DIG PROT % *			-0.4		
CALCIUM	%		0.65		2
MAGNESIUM	%		0.26		2
MANGANESE	MG/KG		144.0		2

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%		0.05		2
POTASSIUM		%		0.34		2
SODIUM		%		0.96		2
ZINC		MG/KG		69.5		2

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, EARLY VEGETATIVE, CUT 4, (1)

REF NO 1-17-663

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	68.6	100.0		1
PROTEIN		%	2.1	3.1		1
CATTLE	DIG PROT	% *	-0.3	-0.4		
GOATS	DIG PROT	% *	-0.4	-0.5		
HORSES	DIG PROT	% *	0.1	0.2		
RABBITS	DIG PROT	% *	0.7	1.1		
SHEEP	DIG PROT	% *	-0.4	-0.6		
CALCIUM		%	0.06	0.09		1
MAGNESIUM		%	0.18	0.26		1
MANGANESE		MG/KG	65.2	95.0		1
PHOSPHORUS		%	0.01	0.02		1
POTASSIUM		%	0.11	0.16		1
SODIUM		%	0.03	0.04		1
ZINC		MG/KG	11.5	16.8		1

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, LATE VEGETATIVE, CUT 3, (1)

REF NO 1-17-655

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	65.9	100.0		2
PROTEIN		%	2.9	4.5		2
CATTLE	DIG PROT	% *	0.5	0.8		
GOATS	DIG PROT	% *	0.5	0.7		
HORSES	DIG PROT	% *	0.9	1.3		
RABBITS	DIG PROT	% *	1.4	2.1		
SHEEP	DIG PROT	% *	0.4	0.6		
CALCIUM		%	0.22	0.33		2
MAGNESIUM		%	0.06	0.09		2
MANGANESE		MG/KG	30.0	45.5		2
PHOSPHORUS		%	0.03	0.05		2
POTASSIUM		%	0.19	0.30		2
SODIUM		%	0.05	0.07		2
ZINC		MG/KG	19.4	29.5		2

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, LATE VEGETATIVE, CUT 4, (1)

REF NO 1-17-656

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	64.7	100.0		1
PROTEIN		%	2.9	4.5		1
CATTLE	DIG PROT	% *	0.5	0.8		
GOATS	DIG PROT	% *	0.5	0.8		
HORSES	DIG PROT	% *	0.9	1.4		
RABBITS	DIG PROT	% *	1.4	2.1		
SHEEP	DIG PROT	% *	0.4	0.6		
CALCIUM		%	0.10	0.16		1
MAGNESIUM		%	0.09	0.14		1
MANGANESE		MG/KG	46.3	71.5		1
PHOSPHORUS		%	0.02	0.03		1
POTASSIUM		%	1.16	1.80		1
SODIUM		%	0.04	0.06		1
ZINC		MG/KG	17.8	27.5		1

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, LATE BLOOM, CUT 1, (1)

REF NO 1-17-657

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	72.2	100.0		1
PROTEIN		%	1.8	2.5		1
CATTLE	DIG PROT	% *	-0.6	-0.9		
GOATS	DIG PROT	% *	-0.8	-1.1		
HORSES	DIG PROT	% *	-0.3	-0.3		
RABBITS	DIG PROT	% *	0.4	0.6		
SHEEP	DIG PROT	% *	-0.9	-1.2		
CALCIUM		%	0.49	0.68		1
MAGNESIUM		%	0.21	0.29		1
MANGANESE		MG/KG	152.3	211.0		1
PHOSPHORUS		%	0.04	0.06		1
POTASSIUM		%	0.25	0.34		1
SODIUM		%	0.03	0.04		1
ZINC		MG/KG	48.4	67.0		1

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, LATE BLOOM, CUT 2, (1)

REF NO 1-17-658

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	72.3	100.0		2
PROTEIN		%	2.5	3.5		2
CATTLE	DIG PROT	% *	-0.1	-0.1		
GOATS	DIG PROT	% *	-0.2	-0.2		
HORSES	DIG PROT	% *	0.3	0.5		
RABBITS	DIG PROT	% *	1.0	1.3		
SHEEP	DIG PROT	% *	-0.2	-0.3		
CALCIUM		%	0.16	0.23		2
MAGNESIUM		%	0.06	0.08		2
MANGANESE		MG/KG	166.4	230.3		2
PHOSPHORUS		%	0.02	0.03		2
POTASSIUM		%	0.22	0.31		1
SODIUM		%	0.03	0.04		2
ZINC		MG/KG	24.7	34.3		2

MELINIS MINUTIFLORA, STEMS, S-C FERTILIZED, LATE BLOOM, CUT 4, (1)

REF NO 1-17-659

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	67.6	100.0		1
PROTEIN		%	2.2	3.3		1
CATTLE	DIG PROT	% *	-0.1	-0.2		
GOATS	DIG PROT	% *	-0.2	-0.4		
HORSES	DIG PROT	% *	0.2	0.3		
RABBITS	DIG PROT	% *	0.8	1.2		
SHEEP	DIG PROT	% *	-0.3	-0.5		
CALCIUM		%	0.10	0.15		1
MAGNESIUM		%	0.01	0.02		1
MANGANESE		MG/KG	61.2	90.5		1
PHOSPHORUS		%	0.02	0.03		1
POTASSIUM		%	0.12	0.18		1
SODIUM		%	0.02	0.04		1
ZINC		MG/KG	18.8	27.8		1

MELINIS MINUTIFLORA, AERIAL PART, FRESH, (2)

REF NO 2-03-130

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.6	100.0	22	98
ORGANIC MATTER		%	24.2	91.2	30	90
ASH		%	2.3	8.8	30	98
CRUDE FIBER		%	8.0	30.2	17	98
ETHER EXTRACT		%	0.8	3.2	89	98
NITROGEN FREE EXTRACT		%	12.9	48.3	12	98
PROTEIN		%	2.5	9.4	33	98
CATTLE	DIG PROT	% *	1.6	5.9		
GOATS	DIG PROT	% *	1.4	5.4		
HORSES	DIG PROT	% *	1.5	5.5		
RABBITS	DIG PROT	% *	1.6	6.0		
SHEEP	DIG PROT	% *	1.5	5.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.71	2.69		
SHEEP	DE MCAL/KG	*	0.70	2.65		
CATTLE	ME MCAL/KG	*	0.59	2.20		
SHEEP	ME MCAL/KG	*	0.58	2.17		
CATTLE	NE-M MCAL/KG	*	0.35	1.31		
CATTLE	NE-GAIN MCAL/KG	*	0.18	0.69		
CATTLE	NE-LACTATION MCAL/KG	*	0.37	1.38		
CATTLE	TDN	% *	16.2	60.9		
SHEEP	TDN	% *	16.0	60.0		
CALCIUM		%	0.08	0.31	51	51
COBALT		MG/KG	0.017	0.066	15	14
COPPER		MG/KG	5.4	20.5	10	15
IRON		%	0.021	0.080		2
MAGNESIUM		%	0.09	0.33	30	4
MANGANESE		MG/KG	21.4	80.6	64	4
PHOSPHORUS		%	0.05	0.18	49	40
POTASSIUM		%	0.30	1.13		3
SODIUM		%	0.11	0.40		3
ZINC		MG/KG	21.0	79.0		3
VITAMIN A EQUIV		IU/G	4.1	15.8		

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-10-702

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.9	100.0	15	21
ORGANIC MATTER		%	21.4	89.7		
ASH		%	2.5	10.3	19	21
CRUDE FIBER		%	8.6	35.8	9	21
ETHER EXTRACT		%	0.4	1.6	19	21
NITROGEN FREE EXTRACT		%	10.1	42.2	8	21
PROTEIN		%	2.4	10.1	17	21
CATTLE	DIG PROT	% *	1.5	6.5		
GOATS	DIG PROT	% *	1.4	6.0		
HORSES	DIG PROT	% *	1.5	6.1		
RABBITS	DIG PROT	% *	1.5	6.5		
SHEEP	DIG PROT	% *	1.5	6.1		
ENERGY	GE KCAL/KG					

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	DE	MCAL/KG *	0.58	2.44		
SHEEP	DE	MCAL/KG *	0.59	2.48		
CATTLE	ME	MCAL/KG *	0.48	2.00		
SHEEP	ME	MCAL/KG *	0.49	2.03		
CATTLE	NE-M	MCAL/KG *	0.28	1.18		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.49		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.19		
CATTLE		TDN % *	13.2	55.4		
SHEEP		TDN % *	13.4	56.1		

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-09-515

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.6	100.0	21	10
DM IN VITRO (TILLY)	DIG COEF	%	75.	75.		1
ORGANIC MATTER		%	22.2	90.5	31	5
ASH		%	2.0	8.1	31	32
CRUDE FIBER		%	7.6	31.0	9	32
ETHER EXTRACT		%	0.6	2.6	28	32
NITROGEN FREE EXTRACT		%	12.4	50.5	10	32
PROTEIN		%	1.9	7.9	32	32
CATTLE	DIG PROT	% *	1.1	4.6		
GOATS	DIG PROT	% *	1.0	3.9		
HORSES	DIG PROT	% *	1.0	4.2		
RABBITS	DIG PROT	% *	1.2	4.7		
SHEEP	DIG PROT	% *	1.1	4.3		
CELLULOSE (CRAMPTON)		%	8.9	36.2		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.55		
SHEEP	DE	MCAL/KG *	0.64	2.62		
CATTLE	ME	MCAL/KG *	0.51	2.09		
SHEEP	ME	MCAL/KG *	0.53	2.15		
CATTLE	NE-M	MCAL/KG *	0.30	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.28		
CATTLE		TDN % *	14.2	57.9		
SHEEP		TDN % *	14.6	59.4		

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-09-718

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.2	100.0	6	5
ORGANIC MATTER		%	19.3	91.0	30	5
ASH		%	1.8	8.6	30	9
CRUDE FIBER		%	6.6	30.9	9	9
ETHER EXTRACT		%	0.7	3.3	29	9
NITROGEN FREE EXTRACT		%	10.2	48.3	11	9
PROTEIN		%	1.9	8.8	12	10
CATTLE	DIG PROT	% *	1.1	5.4		
GOATS	DIG PROT	% *	1.0	4.8		
HORSES	DIG PROT	% *	1.1	5.0		
RABBITS	DIG PROT	% *	1.2	5.5		
SHEEP	DIG PROT	% *	1.1	5.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.66		
SHEEP	DE	MCAL/KG *	0.56	2.63		
CATTLE	ME	MCAL/KG *	0.46	2.18		
SHEEP	ME	MCAL/KG *	0.46	2.15		
CATTLE	NE-M	MCAL/KG *	0.27	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.14	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.36		
CATTLE		TDN % *	12.8	60.4		
SHEEP		TDN % *	12.6	59.6		

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-09-525

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.7	100.0	10	7
ORGANIC MATTER		%	20.0	87.8	21	6
ASH		%	2.8	12.2	21	6
CRUDE FIBER		%	7.9	34.9	18	7
ETHER EXTRACT		%	0.7	3.2	32	7
NITROGEN FREE EXTRACT		%	9.5	41.8	15	6
PROTEIN		%	1.8	7.9	22	7
CATTLE	DIG PROT	% *	1.1	4.6		
GOATS	DIG PROT	% *	0.9	4.0		
HORSES	DIG PROT	% *	1.0	4.3		
RABBITS	DIG PROT	% *	1.1	4.8		
SHEEP	DIG PROT	% *	1.0	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.17		
SHEEP	DE	MCAL/KG *	0.56	2.48		
CATTLE	ME	MCAL/KG *	0.40	1.78		
SHEEP	ME	MCAL/KG *	0.46	2.03		
CATTLE	NE-M	MCAL/KG *	0.24	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.24		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	0.98		
CATTLE		TDN % *	11.2	49.2		
SHEEP		TDN % *	12.8	56.2		

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-727

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.7	100.0	35	7
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.		1
ORGANIC MATTER		%	26.4	89.0		
ASH		%	3.3	11.0	9	6
CRUDE FIBER		%	8.8	29.5	14	6
PROTEIN		%	1.7	5.9	17	7
CATTLE	DIG PROT	% *	0.9	2.9		
GOATS	DIG PROT	% *	0.6	2.0		
HORSES	DIG PROT	% *	0.7	2.5		
RABBITS	DIG PROT	% *	1.0	3.2		
SHEEP	DIG PROT	% *	0.7	2.5		
CELLULOSE (CRAMPTON)		%	11.1	37.5		1

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-15-431

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.8	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.		1
CELLULOSE (CRAMPTON)		%	10.4	42.1		1

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-09-723

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	35.0	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	40.	40.		1
ORGANIC MATTER		%	31.3	89.5		1
ASH		%	3.7	10.5		3
SHEEP	DIG COEF	%	49.	49.		
CRUDE FIBER		%	11.3	32.2		2
ETHER EXTRACT		%	1.2	3.4		2
NITROGEN FREE EXTRACT		%	17.0	48.5		2
PROTEIN		%	1.9	5.4		2
CATTLE	DIG PROT	% *	0.9	2.[illegible]		
GOATS	DIG PROT	% *	0.6	1.6		
HORSES	DIG PROT	% *	0.7	2.1		
RABBITS	DIG PROT	% *	1.0	2.8		
SHEEP	DIG PROT	% *	0.7	2.0		
CELLULOSE (CRAMPTON)		%	36.8	105.1		1
CELLU (C) IN VITRO	DIG COEF	%	50.	50.		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.85	2.44		
SHEEP	DE	MCAL/KG *	0.87	2.50		
CATTLE	ME	MCAL/KG *	0.70	2.00		
SHEEP	ME	MCAL/KG *	0.72	2.05		
CATTLE	NE-M	MCAL/KG *	0.41	1.18		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.49		
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.19		
CATTLE		TDN % *	19.3	55.3		
SHEEP		TDN % *	19.8	56.6		

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 169 TO 182 DAYS' GROWTH, (2)

REF NO 2-11-581

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.3	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	40.	40.		1
ORGANIC MATTER		%	26.4	93.2		1
ASH		%	2.0	6.9		3
SHEEP	DIG COEF	%	53.	53.		
ETHER EXTRACT		%	0.8	2.9		2
NITROGEN FREE EXTRACT		%	13.0	46.1		2
CELLULOSE (CRAMPTON)		%	10.3	36.3		3
CELLU (C) IN VITRO	DIG COEF	%	50.	50.		1
CALCIUM		%	0.12	0.43		2
COBALT		MG/KG	0.021	0.075		2
COPPER		MG/KG	4.4	15.7		2
IRON		%	0.006	0.021		2
MAGNESIUM		%	0.10	0.34		2
MANGANESE		MG/KG	6.3	22.1		2
MOLYBDENUM		MG/KG	0.37	1.31		2
ZINC		MG/KG	17.8	63.0		2

MELINIS MINUTIFLORA, AERIAL PART, FRESH, 225 TO 238 DAYS' GROWTH, (2)

REF NO 2-11-580

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	49.8	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	36.	36.		1
ORGANIC MATTER		%	47.3	94.9		1
ASH		%	2.5	5.1		1
SHEEP	DIG COEF	%	56.	56.		
CELLULOSE (CRAMPTON)		%	20.3	40.8		1
CELLU (C) IN VITRO	DIG COEF	%	46.	46.		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MELINIS MINUTIFLORA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-03-126						
DRY MATTER		%	30.1	100.0	14	7
ORGANIC MATTER		%	27.8	92.3	23	8
ASH		%	2.9	9.6	23	9
CRUDE FIBER		%	8.8	29.3	11	9
ETHER EXTRACT		%	1.4	4.8	33	9
NITROGEN FREE EXTRACT		%	13.8	45.8	9	9
PROTEIN		%	3.2	10.6	25	9
CATTLE	DIG PROT % *		2.1	6.9		
GOATS	DIG PROT % *		1.9	6.4		
HORSES	DIG PROT % *		2.0	6.5		
RABBITS	DIG PROT % *		2.1	6.8		
SHEEP	DIG PROT % *		2.1	6.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.95	3.15		
SHEEP	DE MCAL/KG *		0.80	2.66		
CATTLE	ME MCAL/KG *		0.78	2.59		
SHEEP	ME MCAL/KG *		0.66	2.18		
CATTLE	NE-M MCAL/KG *		0.48	1.59		
CATTLE	NE-GAIN MCAL/KG *		0.31	1.02		
CATTLE	NE-LACTATION MCAL/KG *		0.53	1.75		
CATTLE	TDN % *		21.5	71.6		
SHEEP	TDN % *		18.1	60.3		
CALCIUM		%	0.14	0.45	30	8
MANGANESE		MG/KG	21.1	70.0		1
PHOSPHORUS		%	0.07	0.23	42	8
ZINC		MG/KG	5.3	17.7		2
MELINIS MINUTIFLORA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-10-241						
DRY MATTER		%	24.1	100.0	23	5
ORGANIC MATTER		%	22.0	91.5	10	4
ASH		%	2.0	8.4	10	5
CRUDE FIBER		%	8.7	36.0	10	5
ETHER EXTRACT		%	0.4	1.7	33	5
NITROGEN FREE EXTRACT		%	11.2	46.7	4	5
PROTEIN		%	1.8	7.3	38	5
CATTLE	DIG PROT % *		1.0	4.1		
GOATS	DIG PROT % *		0.8	3.3		
HORSES	DIG PROT % *		0.9	3.7		
RABBITS	DIG PROT % *		1.0	4.3		
SHEEP	DIG PROT % *		0.9	3.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.55	2.28		
SHEEP	DE MCAL/KG *		0.60	2.48		
CATTLE	ME MCAL/KG *		0.45	1.87		
SHEEP	ME MCAL/KG *		0.49	2.03		
CATTLE	NE-M MCAL/KG *		0.27	1.10		
CATTLE	NE-GAIN MCAL/KG *		0.08	0.35		
CATTLE	NE-LACTATION MCAL/KG *		0.26	1.07		
CATTLE	TDN % *		12.5	51.8		
SHEEP	TDN % *		13.5	56.2		
ALUMINUM		MG/KG	21.19	88.00		1
BORON		MG/KG	1.926	8.000		1
CALCIUM		%	0.08	0.35	34	6
COPPER		MG/KG	14.2	59.0		1
IRON		%	0.025	0.105		1
MAGNESIUM		%	0.05	0.19		1
MANGANESE		MG/KG	35.4	147.0		1
MOLYBDENUM		MG/KG	0.41	1.69		1
PHOSPHORUS		%	0.05	0.19	50	6
POTASSIUM		%	0.37	1.54		1
SILICON		%	0.06	0.26		1
ZINC		MG/KG	18.8	78.0		1
MELINIS MINUTIFLORA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-09-919						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9		
ASH		%		8.1		1
CRUDE FIBER		%		28.1		1
ETHER EXTRACT		%		4.0		1
NITROGEN FREE EXTRACT		%		49.9		1
PROTEIN		%		9.9		1
CATTLE	DIG PROT % *			6.3		
GOATS	DIG PROT % *			5.8		
HORSES	DIG PROT % *			5.9		
RABBITS	DIG PROT % *			6.3		
SHEEP	DIG PROT % *			6.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *			3.18		
SHEEP	DE MCAL/KG *			2.71		
CATTLE	ME MCAL/KG *			2.61		
SHEEP	ME MCAL/KG *			2.22		
CATTLE	NE-M MCAL/KG *			1.61		
CATTLE	NE-GAIN MCAL/KG *			1.03		
CATTLE	NE-LACTATION MCAL/KG *			1.77		
CATTLE	TDN % *			72.1		
SHEEP	TDN % *			61.5		
MELINIS MINUTIFLORA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-09-410						
DRY MATTER		%	29.4	100.0	17	10
ORGANIC MATTER		%	27.2	92.5	34	8
ASH		%	2.2	7.5	34	9
CRUDE FIBER		%	11.3	38.6	12	9
SHEEP	DIG COEF %		58.	58.		1
ETHER EXTRACT		%	0.6	2.1	37	9
SHEEP	DIG COEF %		48.	48.		1
NITROGEN FREE EXTRACT		%	13.2	44.8	10	9
SHEEP	DIG COEF %		58.	58.		1
PROTEIN		%	2.1	7.0	35	10
SHEEP	DIG COEF %		39.	39.		1
CATTLE	DIG PROT % *		1.1	3.8		
GOATS	DIG PROT % *		0.9	3.1		
HORSES	DIG PROT % *		1.0	3.5		
RABBITS	DIG PROT % *		1.2	4.1		
SHEEP	DIG PROT %		0.8	2.7		
ENERGY	GE KCAL/KG		1327.	4516.		1
SHEEP	GE DIG COEF %		55.	55.		1
CATTLE	DE MCAL/KG *		0.62	2.12		
SHEEP	DE MCAL/KG		0.73	2.48		
CATTLE	ME MCAL/KG *		0.51	1.74		
SHEEP	ME MCAL/KG *		0.60	2.04		
CATTLE	NE-M MCAL/KG *		0.30	1.03		
CATTLE	NE-GAIN MCAL/KG *		0.06	0.20		
CATTLE	NE-LACTATION MCAL/KG *		0.28	0.94		
CATTLE	TDN % *		14.2	48.2		
SHEEP	TDN %		15.7	53.4		1
CALCIUM		%	0.07	0.24	13	5
PHOSPHORUS		%	0.07	0.25	81	5
MELINIS MINUTIFLORA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-03-129						
DRY MATTER		%	35.5	100.0		1
ORGANIC MATTER		%	32.3	91.1		
ASH		%	3.2	8.9		3
SHEEP	DIG COEF %		6.	6.		1
CRUDE FIBER		%	13.0	36.7		2
SHEEP	DIG COEF %		52.	52.		1
ETHER EXTRACT		%	0.7	2.0		2
SHEEP	DIG COEF %		44.	44.		1
NITROGEN FREE EXTRACT		%	17.4	49.1		2
SHEEP	DIG COEF %		47.	47.		1
PROTEIN		%	1.2	3.3		2
SHEEP	DIG COEF %		17.	17.		1
CATTLE	DIG PROT % *		0.2	0.7		
GOATS	DIG PROT % *		-0.1	-0.4		
HORSES	DIG PROT % *		0.1	0.3		
RABBITS	DIG PROT % *		0.4	1.2		
SHEEP	DIG PROT %		0.2	0.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.72	2.04		
SHEEP	DE MCAL/KG *		0.70	1.97		
CATTLE	ME MCAL/KG *		0.59	1.67		
SHEEP	ME MCAL/KG *		0.57	1.62		
CATTLE	NE-M MCAL/KG *		0.35	1.00		
CATTLE	NE-GAIN MCAL/KG *		0.04	0.12		
CATTLE	NE-LACTATION MCAL/KG *		0.31	0.88		
CATTLE	TDN % *		16.4	46.3		
SHEEP	TDN %		15.9	44.7		
CALCIUM		%	0.10	0.28		2
PHOSPHORUS		%	0.06	0.17		1
MELINIS MINUTIFLORA, AERIAL PART, FRESH CHOPPED, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-11-583						
DRY MATTER		%	24.6	100.0		1
DM IN VITRO (TILLY)	DIG COEF %		46.	46.		1
ORGANIC MATTER		%	22.8	92.6		1
ASH		%	1.8	7.4		1
SHEEP	DIG COEF %		38.	38.		
CELLULOSE (CRAMPTON)		%	8.4	34.2		1
CELLU (C) IN VITRO	DIG COEF %		55.	55.		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MELINIS MINUTIFLORA, AERIAL PART, FRESH FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-725						
DRY MATTER		%		100.0		
PROTEIN		%		10.1		3
CATTLE	DIG PROT	% *		6.5		
GOATS	DIG PROT	% *		6.0		
HORSES	DIG PROT	% *		6.1		
RABBITS	DIG PROT	% *		6.5		
SHEEP	DIG PROT	% *		6.4		
MELINIS MINUTIFLORA, AERIAL PART, FRESH FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-10-726						
DRY MATTER		%		100.0		
PROTEIN		%		9.7		3
CATTLE	DIG PROT	% *		6.1		
GOATS	DIG PROT	% *		5.6		
HORSES	DIG PROT	% *		5.8		
RABBITS	DIG PROT	% *		6.2		
SHEEP	DIG PROT	% *		6.0		
LIGNIN (ELLIS)		%		9.8		1
CALCIUM		%		0.43		1
MAGNESIUM		%		0.33		1
PHOSPHORUS		%		0.24		1
POTASSIUM		%		2.24		1
MELINIS MINUTIFLORA, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-17-661						
DRY MATTER		%	22.8	100.0		1
PROTEIN		%	0.6	2.7		1
CATTLE	DIG PROT	% *	0.0	0.2		
GOATS	DIG PROT	% *	-0.2	-0.9		
HORSES	DIG PROT	% *	-0.0	-0.2		
RABBITS	DIG PROT	% *	0.2	0.8		
SHEEP	DIG PROT	% *	-0.1	-0.5		
CALCIUM		%	0.04	0.18		1
MAGNESIUM		%	0.02	0.07		1
MANGANESE		MG/KG	9.1	40.0		1
PHOSPHORUS		%	0.01	0.03		1
POTASSIUM		%	0.08	0.36		1
SODIUM		%	0.02	0.09		1
ZINC		MG/KG	7.3	32.0		1
MELINIS MINUTIFLORA, LEAVES, FRESH, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-15-406						
DRY MATTER		%	23.6	100.0		1
ORGANIC MATTER		%	20.8	88.2		
ASH		%	2.8	11.8		1
CRUDE FIBER		%	7.2	30.6		1
PROTEIN		%	1.6	6.6		1
CATTLE	DIG PROT	% *	0.8	3.5		
GOATS	DIG PROT	% *	0.6	2.7		
HORSES	DIG PROT	% *	0.7	3.1		
RABBITS	DIG PROT	% *	0.9	3.8		
SHEEP	DIG PROT	% *	0.7	3.1		

MENTHA SPP, MINT

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MENTHA SPP, LEAVES, FRESH, (2)						
REF NO 2-13-403						
DRY MATTER		%	20.4	100.0		1
ORGANIC MATTER		%	18.0	88.2		
ASH		%	2.4	11.8		1
CRUDE FIBER		%	1.9	9.3		1
ETHER EXTRACT		%	1.2	5.9		1
NITROGEN FREE EXTRACT		%	11.0	53.9		
PROTEIN		%	3.9	19.1		1
CATTLE	DIG PROT	% *	2.9	14.1		
GOATS	DIG PROT	% *	2.9	14.4		
HORSES	DIG PROT	% *	2.8	13.8		
RABBITS	DIG PROT	% *	2.7	13.4		
SHEEP	DIG PROT	% *	3.0	14.8		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	0.69	3.36		
SHEEP	ME MCAL/KG	*	0.56	2.75		
SHEEP	TDN	% *	15.5	76.2		
CALCIUM		%	0.19	0.93		1
IRON		%	0.007	0.034		1
PHOSPHORUS		%	0.06	0.29		1
ASCORBIC ACID		MG/KG	1006.0	4931.4		1
NIACIN		MG/KG	10.2	50.0		1
RIBOFLAVIN		MG/KG	2.7	13.2		1
THIAMINE		MG/KG	1.3	6.4		1
VITAMIN A EQUIV		IU/G	134.9	661.1		
MIDDLINGS, MX 4.5% FIBER (CFA) -SEE TRITICUM SPP, FLOUR BY-PRODUCT, FINE SIFTED, MX 4% FIBER, (4)						
MILK, ALBUMIN, DRIED -SEE BOS SPP, WHEY ALBUMIN, HEAT AND ACID PRECIPITATED DEHY, MN 75% PROTEIN, (5)						
MILK, CATTLE, FRESH -SEE BOS SPP, MILK, FRESH, (5)						
MILK, SKIMMED, DRIED -SEE BOS SPP, MILK, SKIMMED DEHY, MX 8% MOISTURE, (5)						
MILK, WHOLE, DRIED -SEE BOS SPP, MILK, DEHY, FEED GR MX 8% MOISTURE MN 26% FAT, (5)						
MILO GLUTEN MEAL -SEE SORGHUM VULGARE, SUBGLABRESCENS MILO, GLUTEN, WET MILLED DEHY GRND, (5)						

MIMOSA CAESALPENIFOLIA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MIMOSA CAESALPENIFOLIA CAESALPENIFOLIA, BROWSE, FRESH, FULL BLOOM, (2)						
REF NO 2-13-274						
DRY MATTER		%	49.3	100.0		1
ORGANIC MATTER		%	46.1	93.6		
ASH		%	3.2	6.4		1
CRUDE FIBER		%	9.8	19.8		1
ETHER EXTRACT		%	3.0	6.0		1
NITROGEN FREE EXTRACT		%	25.6	51.9		1
PROTEIN		%	7.8	15.9		1
CATTLE	DIG PROT	% *	5.6	11.4		
GOATS	DIG PROT	% *	5.6	11.4		
HORSES	DIG PROT	% *	5.4	11.0		
RABBITS	DIG PROT	% *	5.4	10.9		
SHEEP	DIG PROT	% *	5.8	11.8		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	1.53	3.10		
SHEEP	ME MCAL/KG	*	1.25	2.54		
SHEEP	TDN	% *	34.7	70.3		

MIMOSA TENUIFLORA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MIMOSA TENUIFLORA TENUIFLORA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-554						
DRY MATTER		%	35.1	100.0		1
ORGANIC MATTER		%	31.9	91.0		1
ASH		%	3.2	9.0		1
CRUDE FIBER		%	4.9	13.9		1
ETHER EXTRACT		%	1.9	5.4		1
NITROGEN FREE EXTRACT		%	19.2	54.6		1
PROTEIN		%	6.0	17.1		1
CATTLE	DIG PROT	% *	4.4	12.4		
GOATS	DIG PROT	% *	4.4	12.5		
HORSES	DIG PROT	% *	4.2	12.0		
RABBITS	DIG PROT	% *	4.2	11.9		
SHEEP	DIG PROT	% *	4.5	12.9		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	1.14	3.23		
SHEEP	ME MCAL/KG	*	0.93	2.65		
SHEEP	TDN	% *	25.7	73.4		
CALCIUM		%	0.20	0.57		1
PHOSPHORUS		%	0.04	0.12		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
MOLASSES, CANE, DRIED -SEE SACCHARUM OFFICINARUM, MOLASSES, DEHY, (4)					
MOLASSES, CANE -SEE SACCHARUM OFFICINARUM, MOLASSES, MN 48% INVERT SUGAR MN 79.5 DEGREES BRIX, (4)					
MOLASSES DISTILLERS DRIED SOLUBLES (AAFCO) -SEE SACCHARUM OFFICINARUM, MOLASSES DISTILLATION SOLUBLES, DEHY, (4)					
MOLASSES DRIED FERMENTATION SOLUBLES -SEE SACCHARUM OFFICINARUM, MOLASSES DISTILLATION SOLUBLES, DEHY, (4)					
MOLASSES FERMENTATION SOLUBLES, DRIED -SEE SACCHARUM OFFICINARUM, MOLASSES FERMENTATION SOLUBLES, DEHY, (5)					
MOLASSES (CFA) -SEE BETA SACCHARIFERA SUGAR, MOLASSES, MN 48% INVERT SUGAR MN 79.5 DEGREES BRIX, (4)					
MORUS ALBA, MULBERRY, WHITE					
MORUS ALBA WHITE, LEAVES, S-C, (1)					
REF NO 1-11-585					
DRY MATTER		%	95.5	100.0	1
ORGANIC MATTER		%	83.1	87.0	
ASH		%	12.4	13.0	1
CRUDE FIBER		%	14.0	14.7	1
ETHER EXTRACT		%	7.0	7.3	1
NITROGEN FREE EXTRACT		%	46.3	48.5	1
PROTEIN		%	15.8	16.5	1
CATTLE	DIG PROT	% *	10.7	11.2	
GOATS	DIG PROT	% *	11.4	12.0	
HORSES	DIG PROT	% *	11.0	11.5	
RABBITS	DIG PROT	% *	10.9	11.4	
SHEEP	DIG PROT	% *	10.9	11.4	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	2.86	3.00	
SHEEP	ME	MCAL/KG *	2.35	2.46	
SHEEP	TDN	% *	64.9	67.9	
CALCIUM		%	2.11	2.21	1
PHOSPHORUS		%	0.19	0.20	1
MORUS ALBA WHITE, STEMS, S-C, (1)					
REF NO 1-11-584					
DRY MATTER		%	95.2	100.0	1
ORGANIC MATTER		%	92.8	97.5	
ASH		%	2.4	2.5	1
CRUDE FIBER		%	51.3	53.9	1
ETHER EXTRACT		%	1.9	2.0	1
NITROGEN FREE EXTRACT		%	36.7	38.6	1
PROTEIN		%	2.9	3.0	1
CATTLE	DIG PROT	% *	-0.4	-0.5	
GOATS	DIG PROT	% *	-0.6	-0.6	
HORSES	DIG PROT	% *	0.1	0.1	
RABBITS	DIG PROT	% *	0.9	1.0	
SHEEP	DIG PROT	% *	-0.7	-0.7	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	2.18	2.29	
SHEEP	ME	MCAL/KG *	1.78	1.87	
SHEEP	TDN	% *	49.3	51.8	
CALCIUM		%	0.79	0.83	1
PHOSPHORUS		%	0.06	0.06	1
MORUS SPP, MULBERRY					
MORUS SPP, LEAVES, FRESH, (2)					
REF NO 2-09-732					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		88.2	
ASH		%		11.8	1
CRUDE FIBER		%		15.4	1
ETHER EXTRACT		%		7.6	1
NITROGEN FREE EXTRACT		%		48.9	1
PROTEIN		%		16.2	1
CATTLE	DIG PROT	% *		11.7	
GOATS	DIG PROT	% *		11.7	
HORSES	DIG PROT	% *		11.3	
RABBITS	DIG PROT	% *		11.2	
SHEEP	DIG PROT	% *		12.1	
CALCIUM		%		2.31	1
PHOSPHORUS		%		0.21	1
MORUS SPP, STEMS, FRESH, (2)					
REF NO 2-09-733					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		97.6	
ASH		%		2.4	1
CRUDE FIBER		%		54.0	1
ETHER EXTRACT		%		2.1	1
NITROGEN FREE EXTRACT		%		38.4	1
PROTEIN		%		3.0	1
CATTLE	DIG PROT	% *		0.5	
GOATS	DIG PROT	% *		-0.6	
HORSES	DIG PROT	% *		0.1	
RABBITS	DIG PROT	% *		1.0	
SHEEP	DIG PROT	% *		-0.2	
CALCIUM		%		0.83	1
PHOSPHORUS		%		0.06	1
MUCUNA URENS, MUCUNA, COWAGE					
MUCUNA URENS COWAGE, AERIAL PART, S-C GRND, (1)					
REF NO 1-11-912					
DRY MATTER		%	90.7	100.0	1
ORGANIC MATTER		%	85.9	94.7	1
ASH		%	4.8	5.3	1
CRUDE FIBER		%	25.8	28.5	1
ETHER EXTRACT		%	3.2	3.5	1
NITROGEN FREE EXTRACT		%	43.8	48.3	1
PROTEIN		%	13.1	14.4	1
CATTLE	DIG PROT	% *	8.5	9.4	
GOATS	DIG PROT	% *	9.1	10.0	
HORSES	DIG PROT	% *	8.8	9.8	
RABBITS	DIG PROT	% *	8.9	9.8	
SHEEP	DIG PROT	% *	8.6	9.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.49	2.75	
HORSES	DE	MCAL/KG *	1.71	1.88	
SHEEP	DE	MCAL/KG *	2.40	2.64	
CATTLE	ME	MCAL/KG *	2.04	2.25	
HORSES	ME	MCAL/KG *	1.40	1.54	
SHEEP	ME	MCAL/KG *	1.96	2.17	
CATTLE	NE-M	MCAL/KG *	1.21	1.34	
CATTLE	NE-GAIN	MCAL/KG *	0.67	0.73	
CATTLE	NE-LACTATION	MCAL/KG *	1.30	1.43	
CATTLE	TDN	% *	56.5	62.3	
HORSES	TDN	% *	42.5	46.9	
SHEEP	TDN	% *	54.3	59.9	
CALCIUM		%	0.62	0.68	1
PHOSPHORUS		%	0.17	0.19	1
MUHLENBERGIA ANGUSTATA, MUHLY, ANGUSTATA					
MUHLENBERGIA ANGUSTATA ANGUSTATA, AERIAL PART, FRESH, (2)					
REF NO 2-11-245					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.4	
ASH		%		5.6	42 6
ETHER EXTRACT		%		2.4	2
PROTEIN		%		5.6	38 6
CATTLE	DIG PROT	% *		2.7	
GOATS	DIG PROT	% *		1.8	
HORSES	DIG PROT	% *		2.3	
RABBITS	DIG PROT	% *		3.0	
SHEEP	DIG PROT	% *		2.2	
CALCIUM		%		0.28	3
COBALT		MG/KG		0.032	2
COPPER		MG/KG		3.2	3
MANGANESE		MG/KG		50.6	3

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MOLYBDENUM	MG/KG		0.42		3
PHOSPHORUS	%		0.07		3
ZINC	MG/KG		26.1		3

MUHLENBERGIA ERECTIFOLIA, MUHLY, ERECTIFOLIA

MUHLENBERGIA ERECTIFOLIA ERECTIFOLIA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-555

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	22.8	91.2		1
ASH	%	2.2	8.8		1
CRUDE FIBER	%	9.9	39.6		1
ETHER EXTRACT	%	0.4	1.7		1
NITROGEN FREE EXTRACT	%	10.7	42.8		1
PROTEIN	%	1.8	7.1		1
CATTLE DIG PROT % *		1.0	3.9		
GOATS DIG PROT % *		0.8	3.2		
HORSES DIG PROT % *		0.9	3.6		
RABBITS DIG PROT % *		1.0	4.2		
SHEEP DIG PROT % *		0.9	3.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.55	2.19		
SHEEP DE MCAL/KG *		0.60	2.41		
CATTLE ME MCAL/KG *		0.45	1.79		
SHEEP ME MCAL/KG *		0.49	1.98		
CATTLE NE-M MCAL/KG *		0.27	1.06		
CATTLE NE-GAIN MCAL/KG *		0.07	0.26		
CATTLE NE-LACTATION MCAL/KG *		0.25	0.99		
CATTLE TDN % *		12.4	49.6		
SHEEP TDN % *		13.7	54.7		
CALCIUM	%	0.04	0.16		1
PHOSPHORUS	%	0.03	0.13		1

MUHLENBERGIA FASTIGIATA, MUHLY, FASTIGIATA

MUHLENBERGIA FASTIGIATA FASTIGIATA, AERIAL PART, FRESH, (2)

REF NO 2-10-933

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.2		
ASH	%		5.8	64	68
CRUDE FIBER	%		31.2		3
ETHER EXTRACT	%		2.8	31	13
NITROGEN FREE EXTRACT	%		53.4		3
PROTEIN	%		6.8	30	68
CATTLE DIG PROT % *			3.7		
GOATS DIG PROT % *			2.9		
HORSES DIG PROT % *			3.3		
RABBITS DIG PROT % *			4.0		
SHEEP DIG PROT % *			3.4		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.66		
SHEEP DE MCAL/KG *			2.66		
CATTLE ME MCAL/KG *			2.18		
SHEEP ME MCAL/KG *			2.18		
CATTLE NE-M MCAL/KG *			1.29		
CATTLE NE-GAIN MCAL/KG *			0.67		
CATTLE NE-LACTATION MCAL/KG *			1.36		
CATTLE TDN % *			60.4		
SHEEP TDN % *			60.3		
CALCIUM	%		0.37	36	52
COBALT	MG/KG		0.264	99	44
COPPER	MG/KG		4.6	51	52
MANGANESE	MG/KG		160.3	69	52
MOLYBDENUM	MG/KG		0.21	83	38
PHOSPHORUS	%		0.13	54	53
ZINC	MG/KG		40.7	46	23

MUHLENBERGIA FASTIGIATA FASTIGIATA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-934

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.9		
ASH	%		5.1		1
CRUDE FIBER	%		33.7		1
ETHER EXTRACT	%		2.6		1
NITROGEN FREE EXTRACT	%		49.1		1
PROTEIN	%		9.5		1
CATTLE DIG PROT % *			6.0		
GOATS DIG PROT % *			5.5		
HORSES DIG PROT % *			5.6		
RABBITS DIG PROT % *			6.0		
SHEEP DIG PROT % *			5.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.53		
SHEEP DE MCAL/KG *			2.66		
CATTLE ME MCAL/KG *			2.08		
SHEEP ME MCAL/KG *			2.18		
CATTLE NE-M MCAL/KG *			1.22		
CATTLE NE-GAIN MCAL/KG *			0.57		
CATTLE NE-LACTATION MCAL/KG *			1.26		
CATTLE TDN % *			57.4		
SHEEP TDN % *			60.2		
CALCIUM	%		0.09		1

MUHLENBERGIA FASTIGIATA FASTIGIATA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-11-825

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		59.		1
PROTEIN	%		8.5		1
CATTLE DIG PROT % *			5.1		
GOATS DIG PROT % *			4.5		
HORSES DIG PROT % *			4.7		
RABBITS DIG PROT % *			5.2		
SHEEP DIG PROT % *			4.9		
CELL WALLS (VAN SOEST)	%		79.3		1
CELL WALLS IN VITRO DIG COEF	%		48.		1
CELLULOSE (VAN SOEST)	%		24.7		1
FIBER, ACID DETERGENT (VS)	%		33.5		1
HEMICELLULOSE	%		45.8		1
LIGNIN KMNO4 (VS)	%		7.0		1

MUHLENBERGIA FASTIGIATA FASTIGIATA, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-10-932

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.6		
ASH	%		5.4	50	12
CRUDE FIBER	%		27.5		1
ETHER EXTRACT	%		2.2		1
NITROGEN FREE EXTRACT	%		59.0		1
PROTEIN	%		5.6	36	12
CATTLE DIG PROT % *			2.9		
GOATS DIG PROT % *			2.0		
HORSES DIG PROT % *			2.5		
RABBITS DIG PROT % *			3.2		
SHEEP DIG PROT % *			2.4		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.86		
SHEEP DE MCAL/KG *			2.77		
CATTLE ME MCAL/KG *			2.34		
SHEEP ME MCAL/KG *			2.27		
CATTLE NE-M MCAL/KG *			1.40		
CATTLE NE-GAIN MCAL/KG *			0.82		
CATTLE NE-LACTATION MCAL/KG *			1.52		
CATTLE TDN % *			64.8		
SHEEP TDN % *			62.9		
CALCIUM	%		0.41	30	12
COBALT	MG/KG		0.162	55	5
COPPER	MG/KG		5.9	47	12
MANGANESE	MG/KG		118.0	54	12
MOLYBDENUM	MG/KG		0.34	59	12
PHOSPHORUS	%		0.13	17	12
ZINC	MG/KG		26.9	53	11

MUHLENBERGIA LIGULARIS, MUHLY, LIGULARIS

MUHLENBERGIA LIGULARIS LIGULARIS, AERIAL PART, FRESH, (2)

REF NO 2-10-938

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.0		
ASH	%		6.0	9	4
PROTEIN	%		7.1	43	4
CATTLE DIG PROT % *			4.0		
GOATS DIG PROT % *			3.2		
HORSES DIG PROT % *			3.4		
RABBITS DIG PROT % *			4.2		
SHEEP DIG PROT % *			3.6		
CALCIUM	%		0.33	10	4
COBALT	MG/KG		0.199		2
COPPER	MG/KG		4.6	8	4
MANGANESE	MG/KG		334.9	74	4
MOLYBDENUM	MG/KG		0.38	93	4
PHOSPHORUS	%		0.12	45	4
ZINC	MG/KG		11.1		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MUHLENBERGIA LIGULARIS LIGULARIS, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-10-937					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.0		
ASH	%		6.0	16	11
CRUDE FIBER	%		27.9	6	9
ETHER EXTRACT	%		2.0	23	9
NITROGEN FREE EXTRACT	%		59.0	3	9
PROTEIN	%		5.1	24	11
CATTLE	DIG PROT % *		2.2		
GOATS	DIG PROT % *		1.3		
HORSES	DIG PROT % *		1.9		
RABBITS	DIG PROT % *		2.6		
SHEEP	DIG PROT % *		1.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.75		
SHEEP	DE MCAL/KG *		2.74		
CATTLE	ME MCAL/KG *		2.25		
SHEEP	ME MCAL/KG *		2.25		
CATTLE	NE-M MCAL/KG *		1.34		
CATTLE	NE-GAIN MCAL/KG *		0.74		
CATTLE	NE-LACTATION MCAL/KG *		1.43		
CATTLE	TDN % *		62.3		
SHEEP	TDN % *		62.1		
CALCIUM	%		0.23	32	11
COBALT	MG/KG		0.379	67	9
COPPER	MG/KG		4.0	29	11
MANGANESE	MG/KG		224.3	98	11
MOLYBDENUM	MG/KG		0.36	65	11
PHOSPHORUS	%		0.10	47	10
ZINC	MG/KG		11.1		2

MUHLENBERGIA PERUVIANA, MUHLY, PERUVIAN

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MUHLENBERGIA PERUVIANA PERUVIAN, AERIAL PART, FRESH, (2)					
REF NO 2-10-936					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.4		
ASH	%		5.6	21	8
ETHER EXTRACT	%		2.4		1
PROTEIN	%		3.8	30	8
CATTLE	DIG PROT % *		1.1		
GOATS	DIG PROT % *		0.1		
HORSES	DIG PROT % *		0.7		
RABBITS	DIG PROT % *		1.6		
SHEEP	DIG PROT % *		0.5		
CALCIUM	%		0.22	38	8
COBALT	MG/KG		0.350	31	5
COPPER	MG/KG		3.9	30	8
MANGANESE	MG/KG		257.8	87	8
MOLYBDENUM	MG/KG		0.20	98	8
PHOSPHORUS	%		0.10	84	8
ZINC	MG/KG		15.5		3
MUHLENBERGIA PERUVIANA PERUVIAN, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-10-935					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.2		
ASH	%		5.8	20	11
CRUDE FIBER	%		30.2	6	6
ETHER EXTRACT	%		2.2	7	6
NITROGEN FREE EXTRACT	%		58.4	1	6
PROTEIN	%		3.4	23	11
CATTLE	DIG PROT % *		0.8		
GOATS	DIG PROT % *		-0.3		
HORSES	DIG PROT % *		0.4		
RABBITS	DIG PROT % *		1.3		
SHEEP	DIG PROT % *		0.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.57		
SHEEP	DE MCAL/KG *		2.65		
CATTLE	ME MCAL/KG *		2.11		
SHEEP	ME MCAL/KG *		2.17		
CATTLE	NE-M MCAL/KG *		1.24		
CATTLE	NE-GAIN MCAL/KG *		0.60		
CATTLE	NE-LACTATION MCAL/KG *		1.29		
CATTLE	TDN % *		58.2		
SHEEP	TDN % *		60.0		
CALCIUM	%		0.18	46	11
COBALT	MG/KG		0.302	55	6
COPPER	MG/KG		4.1	26	11
MANGANESE	MG/KG		231.2	92	11
MOLYBDENUM	MG/KG		0.43	47	11
PHOSPHORUS	%		0.05	33	11
ZINC	MG/KG		14.6	5	5

MUHLENBERGIA PURPUSI, MUHLY, PURPUSI

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MUHLENBERGIA PURPUSI PURPUSI, AERIAL PART, DEHY, (1)					
REF NO 1-17-557					
DRY MATTER	%	95.0	100.0	5	25
ORGANIC MATTER	%	86.7	91.2		
ASH	%	8.4	8.8	12	24
CRUDE FIBER	%	34.0	35.8	8	24
ETHER EXTRACT	%	2.4	2.5	10	24
NITROGEN FREE EXTRACT	%	44.1	46.4	5	25
PROTEIN	%	6.2	6.5	16	25
CATTLE	DIG PROT % *	2.4	2.6		
GOATS	DIG PROT % *	2.5	2.6		
HORSES	DIG PROT % *	2.9	3.0		
RABBITS	DIG PROT % *	3.5	3.7		
SHEEP	DIG PROT % *	2.3	2.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.17	2.28		
HORSES	DE MCAL/KG *	1.72	1.81		
SHEEP	DE MCAL/KG *	2.11	2.22		
CATTLE	ME MCAL/KG *	1.78	1.87		
HORSES	ME MCAL/KG *	1.41	1.49		
SHEEP	ME MCAL/KG *	1.73	1.82		
CATTLE	NE-M MCAL/KG *	1.05	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.33	0.35		
CATTLE	NE-LACTATION MCAL/KG *	1.01	1.07		
CATTLE	TDN % *	49.2	51.8		
HORSES	TDN % *	42.7	45.0		
SHEEP	TDN % *	47.6	50.3		

MUHLENBERGIA REPENS, MUHLY, RED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MUHLENBERGIA REPENS RED, HAY, S-C, (1)					
REF NO 1-13-469					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		81.0		
ASH	%		19.0		1
CRUDE FIBER	%		29.3		1
ETHER EXTRACT	%		3.1		1
NITROGEN FREE EXTRACT	%		42.6		1
PROTEIN	%		6.0		1
CATTLE	DIG PROT % *		2.1		
GOATS	DIG PROT % *		2.2		
HORSES	DIG PROT % *		2.6		
RABBITS	DIG PROT % *		3.3		
SHEEP	DIG PROT % *		2.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.04		
HORSES	DE MCAL/KG *		2.06		
SHEEP	DE MCAL/KG *		1.99		
CATTLE	ME MCAL/KG *		1.67		
HORSES	ME MCAL/KG *		1.69		
SHEEP	ME MCAL/KG *		1.63		
CATTLE	NE-M MCAL/KG *		1.00		
CATTLE	NE-GAIN MCAL/KG *		0.11		
CATTLE	NE-LACTATION MCAL/KG *		0.88		
CATTLE	TDN % *		46.2		
HORSES	TDN % *		51.7		
SHEEP	TDN % *		45.2		
MUHLENBERGIA REPENS RED, AERIAL PART, FRESH, STEM CURED, CUT 1, (2)					
REF NO 2-13-680					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.3		
ASH	%		4.7		2
CRUDE FIBER	%		24.1		2
ETHER EXTRACT	%		2.6		2
NITROGEN FREE EXTRACT	%		63.0		2
PROTEIN	%		5.7		2
CATTLE	DIG PROT % *		2.7		
GOATS	DIG PROT % *		1.8		
HORSES	DIG PROT % *		2.3		
RABBITS	DIG PROT % *		3.0		
SHEEP	DIG PROT % *		2.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.38		
SHEEP	DE MCAL/KG *		2.92		
CATTLE	ME MCAL/KG *		2.77		
SHEEP	ME MCAL/KG *		2.40		
CATTLE	NE-M MCAL/KG *		1.75		
CATTLE	NE-GAIN MCAL/KG *		1.16		
CATTLE	NE-LACTATION MCAL/KG *		1.92		
CATTLE	TDN % *		76.7		
SHEEP	TDN % *		66.3		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
MUHLENBERGIA REPENS RED, AERIAL PART, FRESH, CUT 1, (2)				
REF NO 2-13-679				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		92.2	
ASH	%		7.8	1
CRUDE FIBER	%		28.7	1
ETHER EXTRACT	%		3.1	1
NITROGEN FREE EXTRACT	%		54.5	1
PROTEIN	%		5.9	1
CATTLE DIG PROT	% *		2.9	
GOATS DIG PROT	% *		2.1	
HORSES DIG PROT	% *		2.5	
RABBITS DIG PROT	% *		3.2	
SHEEP DIG PROT	% *		2.5	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.87	
SHEEP DE	MCAL/KG *		2.66	
CATTLE ME	MCAL/KG *		2.35	
SHEEP ME	MCAL/KG *		2.18	
CATTLE NE-M	MCAL/KG *		1.41	
CATTLE NE-GAIN	MCAL/KG *		0.82	
CATTLE NE-LACTATION	MCAL/KG *		1.52	
CATTLE	TDN % *		65.0	
SHEEP	TDN % *		60.3	
MUHLENBERGIA RIGIDA, MUHLY, PURPLE				
MUHLENBERGIA RIGIDA PURPLE, AERIAL PART, FRESH, MIDBLOOM, (2)				
REF NO 2-17-556				
DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	23.4	93.5	1
ASH	%	1.6	6.5	1
CRUDE FIBER	%	10.8	43.0	1
ETHER EXTRACT	%	0.4	1.5	1
NITROGEN FREE EXTRACT	%	11.1	44.5	1
PROTEIN	%	1.1	4.5	1
CATTLE DIG PROT	% *	0.4	1.7	
GOATS DIG PROT	% *	0.2	0.8	
HORSES DIG PROT	% *	0.3	1.4	
RABBITS DIG PROT	% *	0.5	2.1	
SHEEP DIG PROT	% *	0.3	1.2	
CALCIUM	%	0.05	0.20	1
PHOSPHORUS	%	0.03	0.12	1
MUHLENBERGIA SPP, MUHLY				
MUHLENBERGIA SPP, AERIAL PART, FRESH, (2)				
REF NO 2-03-138				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.7	
ASH	%		4.3	1
PROTEIN	%		4.9	3
CATTLE DIG PROT	% *		2.0	
GOATS DIG PROT	% *		1.1	
HORSES DIG PROT	% *		1.7	
RABBITS DIG PROT	% *		2.4	
SHEEP DIG PROT	% *		1.5	
CALCIUM	%		0.26	3
COBALT	MG/KG		0.131	2
COPPER	MG/KG		14.7	3
MANGANESE	MG/KG		154.2	3
MOLYBDENUM	MG/KG		0.33	3
PHOSPHORUS	%		0.07	3
ZINC	MG/KG		55.1	3
MUSA ACCUMINATA, BANANA, ACCUMINATA				
MUSA ACCUMINATA ACCUMINATA, FRUIT, FRESH, (4)				
REF NO 4-10-911				
DRY MATTER	%	23.3	100.0	2
ORGANIC MATTER	%	22.4	95.9	
ASH	%	0.9	4.1	32 5
CRUDE FIBER	%	0.6	2.7	24 5
ETHER EXTRACT	%	0.3	1.2	51 5
NITROGEN FREE EXTRACT	%	20.2	86.6	4 5
PROTEIN	%	1.3	5.4	32 5
CATTLE DIG PROT	% *	0.2	1.0	
GOATS DIG PROT	% *	0.5	2.2	
HORSES DIG PROT	% *	0.5	2.2	
SHEEP DIG PROT	% *	0.5	2.2	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	0.88	3.76	
SWINE DE	KCAL/KG *	896.	3846.	
SHEEP ME	MCAL/KG *	0.72	3.08	
SWINE ME	KCAL/KG *	850.	3650.	
SHEEP	TDN % *	19.9	85.3	
SWINE	TDN % *	20.3	87.2	
MUSA ACCUMINATA ACCUMINATA, FRUIT NO PEELINGS, OEHY GRND, (4)				
REF NO 4-11-901				
DRY MATTER	%	85.5	100.0	2
ORGANIC MATTER	%	82.3	96.2	
ASH	%	3.2	3.8	2
CRUDE FIBER	%	3.6	4.2	2
ETHER EXTRACT	%	1.2	1.4	2
NITROGEN FREE EXTRACT	%	74.9	87.6	2
PROTEIN	%	2.6	3.1	2
CATTLE DIG PROT	% *	-1.0	-1.2	
GOATS DIG PROT	% *			
HORSES DIG PROT	% *			
SHEEP DIG PROT	% *			
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	3.19	3.73	
SWINE DE	KCAL/KG *	3321.	3884.	
SHEEP ME	MCAL/KG *	2.62	3.06	
SWINE ME	KCAL/KG *	3167.	3705.	
SHEEP	TDN % *	72.4	84.7	
SWINE	TDN % *	75.3	88.1	
MUSA ACCUMINATA ACCUMINATA, FRUIT NO PEELINGS, FRESH, (4)				
REF NO 4-10-913				
DRY MATTER	%	28.3	100.0	2
ORGANIC MATTER	%	27.5	97.2	
ASH	%	0.8	2.8	2
CRUDE FIBER	%	0.4	1.5	2
ETHER EXTRACT	%	0.2	0.9	2
NITROGEN FREE EXTRACT	%	25.7	90.7	2
PROTEIN	%	1.2	4.2	2
CATTLE DIG PROT	% *	-0.0	-0.1	
GOATS DIG PROT	% *	0.3	1.1	
HORSES DIG PROT	% *	0.3	1.1	
SHEEP DIG PROT	% *	0.3	1.1	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	1.06	3.83	
SWINE DE	KCAL/KG *	1114.	3938.	
SHEEP ME	MCAL/KG *	0.89	3.14	
SWINE ME	KCAL/KG *	1060.	3747.	
SHEEP	TDN % *	24.6	86.8	
SWINE	TDN % *	25.3	89.3	
MUSA ACCUMINATA ACCUMINATA, PEELINGS, FRESH, (4)				
REF NO 4-10-912				
DRY MATTER	%	8.6	100.0	1
ORGANIC MATTER	%	7.4	86.2	
ASH	%	1.2	13.8	1
CRUDE FIBER	%	0.8	8.9	1
ETHER EXTRACT	%	0.6	6.6	1
NITROGEN FREE EXTRACT	%	5.5	63.5	1
PROTEIN	%	0.6	7.2	1
CATTLE DIG PROT	% *	0.2	2.6	
GOATS DIG PROT	% *	0.3	3.8	
HORSES DIG PROT	% *	0.3	3.8	
SHEEP DIG PROT	% *	0.3	3.8	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	0.16	1.89	
SHEEP DE	MCAL/KG *	0.26	2.99	
SWINE DE	KCAL/KG *	266.	3095.	
CATTLE ME	MCAL/KG *	0.13	1.55	
SHEEP ME	MCAL/KG *	0.21	2.45	
SWINE ME	KCAL/KG *	252.	2926.	
CATTLE NE-M	MCAL/KG *	0.06	0.94	
CATTLE NE-GAIN	MCAL/KG *	-0.00	-0.04	
CATTLE NE-LACTATION	MCAL/KG *	0.07	0.76	
CATTLE	TDN % *	3.7	42.9	
SHEEP	TDN % *	5.8	67.8	
SWINE	TDN % *	6.0	70.2	
MUSA PARADISIACA, BANANA, PLANTAIN				

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MUSA PARADISIACA PLANTAIN, LEAVES, FRESH, (2)					
REF NO 2-11-905					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.5		
ASH	%		8.5		1
CRUDE FIBER	%		16.0		1
ETHER EXTRACT	%		2.0		1
NITROGEN FREE EXTRACT	%		63.0		1
PROTEIN	%		10.5		1
CATTLE DIG PROT	% *		6.8		
GOATS DIG PROT	% *		6.4		
HORSES DIG PROT	% *		6.4		
RABBITS DIG PROT	% *		6.8		
SHEEP DIG PROT	% *		6.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		3.56		
SHEEP DE	MCAL/KG *		3.18		
CATTLE ME	MCAL/KG *		2.92		
SHEEP ME	MCAL/KG *		2.61		
CATTLE NE-M	MCAL/KG *		1.89		
CATTLE NE-GAIN	MCAL/KG *		1.26		
CATTLE NE-LACTATION	MCAL/KG *		2.07		
CATTLE TDN	% *		80.8		
SHEEP TDN	% *		72.2		
CALCIUM	%		1.25		1
PHOSPHORUS	%		0.65		1
MUSA PARADISIACA PLANTAIN, STALKS, FRESH CHOPPED, 351 TO 364 DAYS' GROWTH, (2)					
REF NO 2-11-909					
DRY MATTER	%	5.6	100.0		1
PROTEIN	%	0.3	4.6		1
CATTLE DIG COEF	%	33.	33.		1
CATTLE DIG PROT	%	0.1	1.5		
GOATS DIG PROT	% *	0.0	0.9		
HORSES DIG PROT	% *	0.1	1.4		
RABBITS DIG PROT	% *	0.1	2.2		
SHEEP DIG PROT	% *	0.1	1.3		
ENERGY GE	KCAL/KG	193.	3440.		1
CATTLE GE DIG COEF	%	72.	72.		1
CATTLE DE	MCAL/KG	0.14	2.48		1
CATTLE ME	MCAL/KG *	0.11	2.03		
CATTLE NE-M	MCAL/KG *	0.07	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.52		
CATTLE NE-LACTATION	MCAL/KG *	0.07	1.22		
CATTLE TDN	% *	0.0	0.1		
MUSA PARADISIACA PLANTAIN, STEMS, FRESH, (2)					
REF NO 2-10-543					
DRY MATTER	%	13.8	100.0		1
ORGANIC MATTER	%	12.3	89.1		
ASH	%	1.5	10.9		1
CRUDE FIBER	%	3.5	25.4		1
ETHER EXTRACT	%	0.2	1.4		1
NITROGEN FREE EXTRACT	%	7.9	57.2		1
PROTEIN	%	0.7	5.1		1
CATTLE DIG PROT	% *	0.3	2.2		
GOATS DIG PROT	% *	0.2	1.3		
HORSES DIG PROT	% *	0.3	1.8		
RABBITS DIG PROT	% *	0.4	2.6		
SHEEP DIG PROT	% *	0.2	1.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.37	2.69		
SHEEP DE	MCAL/KG *	0.37	2.67		
CATTLE ME	MCAL/KG *	0.30	2.20		
SHEEP ME	MCAL/KG *	0.30	2.19		
CATTLE NE-M	MCAL/KG *	0.18	1.31		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.69		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.38		
CATTLE TDN	% *	8.4	61.0		
SHEEP TDN	% *	8.4	60.7		
MUSA PARADISIACA PLANTAIN, FRUIT, DEHY, (4)					
REF NO 4-10-542					
DRY MATTER	%	94.5	100.0		1
ORGANIC MATTER	%	92.6	98.0		
ASH	%	1.9	2.0		1
CRUDE FIBER	%	0.7	0.7		1
ETHER EXTRACT	%	0.1	0.1		1
NITROGEN FREE EXTRACT	%	88.8	94.0		1
PROTEIN	%	3.0	3.2		1
CATTLE DIG PROT	% *	-1.0	-1.1		
GOATS DIG PROT	% *	0.1	0.1		
HORSES DIG PROT	% *	0.1	0.1		
SHEEP DIG PROT	% *	0.1	0.1		
CALCIUM	%	0.08	0.08		1
MAGNESIUM	%	0.10	0.11		1
MUSA PARADISIACA PLANTAIN, FRUIT, DEHY, MATURE, (4)					
REF NO 4-10-545					
DRY MATTER	%	86.7	100.0		1
ORGANIC MATTER	%	82.3	94.9		
ASH	%	4.4	5.1		1
CRUDE FIBER	%	3.2	3.7		1
ETHER EXTRACT	%	1.4	1.6		1
NITROGEN FREE EXTRACT	%	72.7	83.9		1
PROTEIN	%	5.0	5.8		1
CATTLE DIG PROT	% *	1.1	1.3		
GOATS DIG PROT	% *	2.2	2.5		
HORSES DIG PROT	% *	2.2	2.5		
SHEEP DIG PROT	% *	2.2	2.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.69	3.10		
SHEEP DE	MCAL/KG *	3.21	3.70		
SWINE DE	KCAL/KG *	3259.	3759.		
CATTLE ME	MCAL/KG *	2.20	2.54		
SHEEP ME	MCAL/KG *	2.63	3.03		
SWINE ME	KCAL/KG *	3091.	3565.		
CATTLE NE-M	MCAL/KG *	1.35	1.55		
CATTLE NE-GAIN	MCAL/KG *	0.85	0.98		
CATTLE NE-LACTATION	MCAL/KG *	1.48	1.70		
CATTLE TDN	% *	60.9	70.3		
SHEEP TDN	% *	72.7	83.9		
SWINE TDN	% *	73.9	85.3		
CALCIUM	%	0.07	0.08		1
PHOSPHORUS	%	0.18	0.21		1
MUSA PARADISIACA PLANTAIN, FRUIT, DEHY GRND, (4)					
REF NO 4-10-541					
DRY MATTER	%	89.5	100.0	4	12
ORGANIC MATTER	%	86.2	96.4	32	6
ASH	%	3.0	3.3	32	11
CRUDE FIBER	%	2.6	3.0	46	12
ETHER EXTRACT	%	1.6	1.8	51	12
NITROGEN FREE EXTRACT	%	78.5	87.7	4	9
PROTEIN	%	3.8	4.2	34	12
CATTLE DIG PROT	% *	-0.1	-0.1		
GOATS DIG PROT	% *	1.0	1.1		
HORSES DIG PROT	% *	1.0	1.1		
SHEEP DIG PROT	% *	1.0	1.1		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	3.38	3.78		
SWINE DE	KCAL/KG *	3440.	3844.		
SHEEP ME	MCAL/KG *	2.77	3.10		
SWINE ME	KCAL/KG *	3273.	3657.		
SHEEP TDN	% *	76.6	85.6		
SWINE TDN	% *	78.0	87.2		
CALCIUM	%	0.13	0.14	23	4
IRON	%	0.045	0.051		1
PHOSPHORUS	%	0.11	0.12	39	5
MUSA PARADISIACA PLANTAIN, FRUIT, FRESH, (4)					
REF NO 4-10-431					
DRY MATTER	%	21.3	100.0		3
ORGANIC MATTER	%	20.7	97.2		1
ASH	%	0.9	4.4		3
CRUDE FIBER	%	0.9	4.1		3
ETHER EXTRACT	%	0.3	1.4		3
NITROGEN FREE EXTRACT	%	18.1	84.9		3
PROTEIN	%	1.1	5.2		3
CATTLE DIG PROT	% *	0.2	0.8		
GOATS DIG PROT	% *	0.4	2.0		
HORSES DIG PROT	% *	0.4	2.0		
SHEEP DIG PROT	% *	0.4	2.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.68	3.21		
SHEEP DE	MCAL/KG *	0.79	3.71		
SWINE DE	KCAL/KG *	813.	3817.		
CATTLE ME	MCAL/KG *	0.56	2.63		
SHEEP ME	MCAL/KG *	0.65	3.05		
SWINE ME	KCAL/KG *	772.	3624.		
CATTLE NE-M	MCAL/KG *	0.35	1.63		
CATTLE NE-GAIN	MCAL/KG *	0.22	1.06		
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.79		
CATTLE TDN	% *	15.5	72.9		
SHEEP TDN	% *	17.9	84.2		
SWINE TDN	% *	18.4	86.6		
CALCIUM	%	0.05	0.23		1
PHOSPHORUS	%	0.02	0.09		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MUSA PARADISIACA PLANTAIN, FRUIT, FRIED, (4)						
REF NO 4-13-408						
DRY MATTER		%	45.7	100.0		1
ORGANIC MATTER		%	44.9	98.2		
ASH		%	0.8	1.8		1
CRUDE FIBER		%	2.5	5.5		1
ETHER EXTRACT		%	0.4	0.9		1
NITROGEN FREE EXTRACT		%	40.8	89.3		
PROTEIN		%	1.2	2.6		1
CATTLE	DIG PROT	% *	-0.7	-1.6		
GOATS	DIG PROT	% *	-0.2	-0.4		
HORSES	DIG PROT	% *	-0.2	-0.4		
SHEEP	DIG PROT	% *	-0.2	-0.4		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.73	3.78		
SWINE	DE	KCAL/KG *	1853.	4055.		
SHEEP	ME	MCAL/KG *	1.42	3.10		
SWINE	ME	KCAL/KG *	1769.	3871.		
SHEEP	TDN	% *	39.2	85.7		
SWINE	TDN	% *	42.0	92.0		
CALCIUM		%	0.01	0.02		1
IRON		%	0.001	0.002		1
PHOSPHORUS		%	0.03	0.07		1
ASCORBIC ACID		MG/KG	97.2	212.7		1
NIACIN		MG/KG	8.0	17.5		1
RIBOFLAVIN		MG/KG	0.9	2.0		1
THIAMINE		MG/KG	0.7	1.5		1
VITAMIN A EQUIV		IU/G	11.2	24.4		
MUSA PARADISIACA PLANTAIN, FRUIT, S-C GRND, (4)						
REF NO 4-11-904						
DRY MATTER		%	89.6	100.0		1
ORGANIC MATTER		%	87.9	98.1		1
ASH		%	1.7	1.9		1
CRUDE FIBER		%	1.4	1.6		1
ETHER EXTRACT		%	1.3	1.5		1
NITROGEN FREE EXTRACT		%	82.4	92.0		1
PROTEIN		%	2.8	3.1		1
CATTLE	DIG PROT	% *	-1.0	-1.1		
GOATS	DIG PROT	% *	0.1	0.1		
HORSES	DIG PROT	% *	0.1	0.1		
SHEEP	DIG PROT	% *	0.1	0.1		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.45	3.85		
SHEEP	ME	MCAL/KG *	2.83	3.16		
SHEEP	TDN	% *	78.3	87.4		
MUSA PARADISIACA PLANTAIN, FRUIT NO PEELINGS, DEHY GRND, (4)						
REF NO 4-11-902						
DRY MATTER		%	89.7	100.0	3	4
ORGANIC MATTER		%	87.9	98.0		3
ASH		%	1.8	2.0		3
CRUDE FIBER		%	1.3	1.4	5	4
ETHER EXTRACT		%	0.7	0.8	68	4
NITROGEN FREE EXTRACT		%	82.9	92.4		3
PROTEIN		%	3.0	3.3	20	4
CATTLE	DIG PROT	% *	-0.8	-0.9		
GOATS	DIG PROT	% *	0.3	0.3		
HORSES	DIG PROT	% *	0.3	0.3		
SHEEP	DIG PROT	% *	0.3	0.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.45	3.85		
SHEEP	ME	MCAL/KG *	2.83	3.16		
SHEEP	TDN	% *	78.3	87.3		
MUSA PARADISIACA PLANTAIN, FRUIT NO PEELINGS, FRESH, (4)						
REF NO 4-11-903						
DRY MATTER		%	29.9	100.0		2
ORGANIC MATTER		%	29.4	98.4		1
ASH		%	0.5	1.7		2
CRUDE FIBER		%	0.6	2.0		2
ETHER EXTRACT		%	0.2	0.7		2
NITROGEN FREE EXTRACT		%	27.2	91.0		1
PROTEIN		%	1.4	4.7		2
CATTLE	DIG PROT	% *	0.1	0.3		
GOATS	DIG PROT	% *	0.5	1.5		
HORSES	DIG PROT	% *	0.5	1.5		
SHEEP	DIG PROT	% *	0.5	1.5		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.15	3.85		
SWINE	DE	KCAL/KG *	1196.	4000.		
SHEEP	ME	MCAL/KG *	0.94	3.16		
SWINE	ME	KCAL/KG *	1137.	3802.		
SHEEP	TDN	% *	26.1	87.4		
SWINE	TDN	% *	27.1	90.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALCIUM		%	0.02	0.07		2
IRON		%	0.001	0.003		1
PHOSPHORUS		%	0.03	0.08		2
ASCORBIC ACID		MG/KG	34.0	113.8		1
NIACIN		MG/KG	8.8	29.3		1
RIBOFLAVIN		MG/KG	1.1	3.8		1
THIAMINE		MG/KG	0.5	1.7		1
VITAMIN A EQUIV		IU/G	5.8	19.5		
MUSA PARADISIACA, SAPIENTUM, BANANA, COMMON						
MUSA PARADISIACA, SAPIENTUM COMMON, LEAVES, DEHY, (1)						
REF NO 1-11-002						
DRY MATTER		%	96.7	100.0		1
ORGANIC MATTER		%	84.6	87.5		1
ASH		%	12.1	12.5		1
CRUDE FIBER		%	18.6	19.2		1
ETHER EXTRACT		%	4.2	4.3		1
NITROGEN FREE EXTRACT		%	45.7	47.3		1
PROTEIN		%	16.1	16.6		1
CATTLE	DIG PROT	% *	11.0	11.4		
GOATS	DIG PROT	% *	11.7	12.1		
HORSES	DIG PROT	% *	11.3	11.7		
RABBITS	DIG PROT	% *	11.1	11.5		
SHEEP	DIG PROT	% *	11.1	11.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.80	2.89		
HORSES	DE	MCAL/KG *	1.63	1.68		
SHEEP	DE	MCAL/KG *	2.66	2.75		
CATTLE	ME	MCAL/KG *	2.30	2.37		
HORSES	ME	MCAL/KG *	1.33	1.38		
SHEEP	ME	MCAL/KG *	2.18	2.25		
CATTLE	NE-M	MCAL/KG *	1.38	1.43		
CATTLE	NE-GAIN	MCAL/KG *	0.82	0.84		
CATTLE	NE-LACTATION	MCAL/KG *	1.49	1.54		
CATTLE	TDN	% *	63.5	65.6		
HORSES	TDN	% *	40.0	41.3		
SHEEP	TDN	% *	60.3	62.3		
CALCIUM		%	0.58	0.60		1
IRON		%	0.016	0.017		1
PHOSPHORUS		%	0.21	0.22		1
NIACIN		MG/KG	45.6	47.2		1
RIBOFLAVIN		MG/KG	45.6	47.2		1
THIAMINE		MG/KG	1.2	1.2		1
VITAMIN A EQUIV		IU/G	259.1	267.9		
MUSA PARADISIACA, SAPIENTUM COMMON, LEAVES, S-C, (1)						
REF NO 1-11-001						
DRY MATTER		%	93.4	100.0		1
ORGANIC MATTER		%	82.1	87.9		
ASH		%	11.3	12.1		1
CRUDE FIBER		%	19.7	21.1		1
ETHER EXTRACT		%	4.7	5.0		1
NITROGEN FREE EXTRACT		%	43.9	47.0		1
PROTEIN		%	13.8	14.8		1
CATTLE	DIG PROT	% *	9.1	9.7		
GOATS	DIG PROT	% *	9.7	10.3		
HORSES	DIG PROT	% *	9.4	10.1		
RABBITS	DIG PROT	% *	9.4	10.1		
SHEEP	DIG PROT	% *	9.2	9.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.58	2.76		
HORSES	DE	MCAL/KG *	1.55	1.66		
SHEEP	DE	MCAL/KG *	2.49	2.66		
CATTLE	ME	MCAL/KG *	2.11	2.26		
HORSES	ME	MCAL/KG *	1.27	1.36		
SHEEP	ME	MCAL/KG *	2.04	2.18		
CATTLE	NE-M	MCAL/KG *	1.26	1.35		
CATTLE	NE-GAIN	MCAL/KG *	0.70	0.75		
CATTLE	NE-LACTATION	MCAL/KG *	1.35	1.44		
CATTLE	TDN	% *	58.5	62.6		
HORSES	TDN	% *	38.1	40.8		
SHEEP	TDN	% *	56.4	60.4		
CALCIUM		%	0.01	0.01		1
IRON		%	0.016	0.017		1
PHOSPHORUS		%	0.00	0.00		1
VITAMIN A EQUIV		IU/G	141.1	151.1		
MUSA PARADISIACA, SAPIENTUM COMMON, AERIAL PART, FRESH, (2)						
REF NO 2-10-544						
DRY MATTER		%	34.1	100.0		3
ORGANIC MATTER		%	31.8	93.3		
ASH		%	2.3	6.7		3
CRUDE FIBER		%	10.1	29.7		3
ETHER EXTRACT		%	0.7	2.2		3
NITROGEN FREE EXTRACT		%	18.5	54.1		3

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
PROTEIN		%	2.5	7.3	3
CATTLE	DIG PROT	% *	1.4	4.1	
GOATS	DIG PROT	% *	1.2	3.4	
HORSES	DIG PROT	% *	1.3	3.7	
RABBITS	DIG PROT	% *	1.5	4.3	
SHEEP	DIG PROT	% *	1.3	3.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.90	2.63	
SHEEP	DE	MCAL/KG *	0.91	2.68	
CATTLE	ME	MCAL/KG *	0.74	2.16	
SHEEP	ME	MCAL/KG *	0.75	2.20	
CATTLE	NE-M	MCAL/KG *	0.44	1.28	
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.65	
CATTLE	NE-LACTATION	MCAL/KG *	0.46	1.34	
CATTLE	TDN	% *	20.4	59.7	
SHEEP	TDN	% *	20.7	60.8	

MUSA PARADISIACA, SAPIENTUM COMMON, LEAVES, FRESH, (2)

REF NO 2-11-003

DRY MATTER		%	20.9	100.0	2
ORGANIC MATTER		%	18.6	88.9	2
ASH		%	2.3	11.1	2
CRUDE FIBER		%	5.0	24.1	2
ETHER EXTRACT		%	1.1	5.4	2
NITROGEN FREE EXTRACT		%	9.0	42.9	2
PROTEIN		%	3.4	16.4	2
CATTLE	DIG PROT	% *	2.5	11.9	
GOATS	DIG PROT	% *	2.5	11.9	
HORSES	DIG PROT	% *	2.4	11.5	
RABBITS	DIG PROT	% *	2.4	11.4	
SHEEP	DIG PROT	% *	2.6	12.3	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.60	2.89	
SHEEP	ME	MCAL/KG *	0.50	2.37	
SHEEP	TDN	% *	13.7	65.6	
CALCIUM		%	0.11	0.51	2
IRON		%	0.003	0.016	1
PHOSPHORUS		%	0.04	0.19	2
NIACIN		MG/KG	9.0	42.9	1
RIBOFLAVIN		MG/KG	1.3	6.4	1
THIAMINE		MG/KG	0.5	2.5	1
VITAMIN A EQUIV		IU/G	3.8	18.2	

MUSA PARADISIACA, SAPIENTUM COMMON, STEMS, FRESH, (2)

REF NO 2-11-906

DRY MATTER		%	4.7	100.0	1
ORGANIC MATTER		%	4.0	84.5	1
ASH		%	0.7	15.5	1
CRUDE FIBER		%	1.7	36.0	1
ETHER EXTRACT		%	0.1	2.2	1
NITROGEN FREE EXTRACT		%	1.9	40.3	1
PROTEIN		%	0.3	6.1	1
CATTLE	DIG PROT	% *	0.1	3.0	
GOATS	DIG PROT	% *	0.1	2.2	
HORSES	DIG PROT	% *	0.1	2.7	
RABBITS	DIG PROT	% *	0.2	3.3	
SHEEP	DIG PROT	% *	0.1	2.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.10	2.10	
SHEEP	DE	MCAL/KG *	0.11	2.33	
CATTLE	ME	MCAL/KG *	0.08	1.73	
SHEEP	ME	MCAL/KG *	0.09	1.91	
CATTLE	NE-M	MCAL/KG *	0.05	1.02	
CATTLE	NE-GAIN	MCAL/KG *	0.01	0.18	
CATTLE	NE-LACTATION	MCAL/KG *	0.04	0.93	
CATTLE	TDN	% *	2.2	47.7	
SHEEP	TDN	% *	2.5	52.9	
CALCIUM		%	0.01	0.18	1
IRON		%	0.001	0.019	1
PHOSPHORUS		%	0.01	0.14	1

MUSA PARADISIACA, SAPIENTUM COMMON, FRUIT, DEHY, (4)

REF NO 4-11-908

DRY MATTER		%	89.7	100.0	1
ORGANIC MATTER		%	86.1	96.0	1
ASH		%	3.6	4.0	1
CRUDE FIBER		%	2.9	3.2	1
ETHER EXTRACT		%	1.2	1.3	1
NITROGEN FREE EXTRACT		%	77.8	86.7	1
PROTEIN		%	4.2	4.7	1
CATTLE	DIG PROT	% *	0.3	0.3	
GOATS	DIG PROT	% *	1.4	1.5	
HORSES	DIG PROT	% *	1.4	1.5	
SHEEP	DIG PROT	% *	1.4	1.5	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	3.36	3.75	
SWINE	DE	KCAL/KG *	3451.	3847.	
SHEEP	ME	MCAL/KG *	2.76	3.07	
SWINE	ME	KCAL/KG *	3280.	3657.	
SHEEP	TDN	% *	76.3	85.0	
SWINE	TDN	% *	78.3	87.3	

MUSA PARADISIACA, SAPIENTUM COMMON, FRUIT, FRESH, (4)

REF NO 4-11-004

DRY MATTER		%	20.5	100.0	1
ORGANIC MATTER		%	19.6	95.5	1
ASH		%	0.8	3.8	3
CRUDE FIBER		%	0.6	3.0	3
ETHER EXTRACT		%	0.6	2.8	3
NITROGEN FREE EXTRACT		%	17.7	86.5	3
PROTEIN		%	0.8	4.0	3
CATTLE	DIG PROT	% *	-0.1	-0.4	
GOATS	DIG PROT	% *	0.2	0.9	
HORSES	DIG PROT	% *	0.2	0.9	
SHEEP	DIG PROT	% *	0.2	0.9	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.77	3.75	
SWINE	DE	KCAL/KG *	767.	3740.	
SHEEP	ME	MCAL/KG *	0.63	3.08	
SWINE	ME	KCAL/KG *	730.	3561.	
SHEEP	TDN	% *	17.5	85.1	
SWINE	TDN	% *	17.4	84.8	

MUSA PARADISIACA, SAPIENTUM COMMON, FRUIT NO PEELINGS, DEHY, (4)

REF NO 4-11-907

DRY MATTER		%	87.5	100.0	1
ORGANIC MATTER		%	85.3	97.5	1
ASH		%	2.2	2.5	1
CRUDE FIBER		%	1.4	1.6	1
ETHER EXTRACT		%	0.5	0.6	1
NITROGEN FREE EXTRACT		%	79.3	90.6	1
PROTEIN		%	4.1	4.7	1
CATTLE	DIG PROT	% *	0.3	0.3	
GOATS	DIG PROT	% *	1.3	1.5	
HORSES	DIG PROT	% *	1.3	1.5	
SHEEP	DIG PROT	% *	1.3	1.5	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	3.35	3.83	
SWINE	DE	KCAL/KG *	3474.	3971.	
SHEEP	ME	MCAL/KG *	2.75	3.14	
SWINE	ME	KCAL/KG *	3303.	3774.	
SHEEP	TDN	% *	76.1	87.0	
SWINE	TDN	% *	78.8	90.1	

MUSA PARADISIACA, SAPIENTUM COMMON, FRUIT NO PEELINGS, FRESH, (4)

REF NO 4-11-005

DRY MATTER		%	26.4	100.0	1
ORGANIC MATTER		%	25.6	97.0	1
ASH		%	1.3	4.8	3
CRUDE FIBER		%	0.4	1.6	3
ETHER EXTRACT		%	0.5	1.9	3
NITROGEN FREE EXTRACT		%	22.9	86.9	3
PROTEIN		%	1.3	4.9	3
CATTLE	DIG PROT	% *	0.1	0.5	
GOATS	DIG PROT	% *	0.5	1.8	
HORSES	DIG PROT	% *	0.5	1.8	
SHEEP	DIG PROT	% *	0.5	1.8	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.99	3.76	
SWINE	DE	KCAL/KG *	993.	3760.	
SHEEP	ME	MCAL/KG *	0.81	3.08	
SWINE	ME	KCAL/KG *	943.	3572.	
SHEEP	TDN	% *	22.5	85.3	
SWINE	TDN	% *	22.5	85.3	

MUSA PARADISIACA, SAPIENTUM COMMON, PEELINGS, FRESH, (4)

REF NO 4-00-487

DRY MATTER		%	11.8	100.0	1
ORGANIC MATTER		%	11.2	94.9	1
ASH		%	0.6	5.1	1
CRUDE FIBER		%	1.6	13.6	1
ETHER EXTRACT		%	1.0	8.5	1
NITROGEN FREE EXTRACT		%	7.7	65.3	1
PROTEIN		%	0.9	7.6	1
CATTLE	DIG PROT	% *	0.4	3.0	
GOATS	DIG PROT	% *	0.5	4.2	
HORSES	DIG PROT	% *	0.5	4.2	
SHEEP	DIG PROT	% *	0.5	4.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.37	3.17	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DE MCAL/KG *	0.37	3.17		
SWINE	DE KCAL/KG *	383.	3242.		
CATTLE	ME MCAL/KG *	0.31	2.60		
SHEEP	ME MCAL/KG *	0.31	2.60		
SWINE	ME KCAL/KG *	361.	3062.		
CATTLE	NE-M MCAL/KG *	0.19	1.60		
CATTLE	NE-GAIN MCAL/KG *	0.12	1.03		
CATTLE	NE-LACTATION MCAL/KG *	0.21	1.76		
CATTLE	TDN % *	8.5	71.9		
SHEEP	TDN % *	8.5	71.9		
SWINE	TDN % *	8.7	73.5		
CALCIUM	%	0.08	0.68		1
PHOSPHORUS	%	0.01	0.08		1

MUSA SPP. BANANA

MUSA SPP. LEAVES. DERIBBED DEHY GRND. (1)

REF NO 1-00-482

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.9		
ASH	%		13.1		2
CRUDE FIBER	%		17.9		2
ETHER EXTRACT	%		13.1		2
NITROGEN FREE EXTRACT	%		34.5		2
PROTEIN	%		21.4		2
CATTLE	DIG PROT % *		15.5		
GOATS	DIG PROT % *		16.5		
HORSES	DIG PROT % *		15.7		
RABBITS	DIG PROT % *		15.2		
SHEEP	DIG PROT % *		15.8		

MUSA SPP. AERIAL PART. FRESH. (2)

REF NO 2-00-483

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	8.1	100.0		1
ORGANIC MATTER	%	7.1	87.8		
ASH	%	1.0	12.2		3
CRUDE FIBER	%	1.8	22.5		3
ETHER EXTRACT	%	0.2	2.2		3
NITROGEN FREE EXTRACT	%	4.6	56.7		3
PROTEIN	%	0.5	6.5		3
CATTLE	DIG PROT % *	0.3	3.4		
GOATS	DIG PROT % *	0.2	2.6		
HORSES	DIG PROT % *	0.2	3.1		
RABBITS	DIG PROT % *	0.3	3.7		
SHEEP	DIG PROT % *	0.2	3.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.23	2.89		
SHEEP	DE MCAL/KG *	0.22	2.75		
CATTLE	ME MCAL/KG *	0.19	2.37		
SHEEP	ME MCAL/KG *	0.18	2.26		
CATTLE	NE-M MCAL/KG *	0.12	1.42		
CATTLE	NE-GAIN MCAL/KG *	0.07	0.84		
CATTLE	NE-LACTATION MCAL/KG *	0.12	1.54		
CATTLE	TDN % *	5.3	65.5		
SHEEP	TDN % *	5.1	62.5		
CALCIUM	%	0.16	1.93		2
PHOSPHORUS	%	0.01	0.10		2

MUSA SPP. LEAVES. DERIBBED. (2)

REF NO 2-09-908

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.2	100.0		1
ORGANIC MATTER	%	16.7	87.0		
ASH	%	2.5	13.0		1
CRUDE FIBER	%	4.5	23.5		1
ETHER EXTRACT	%	0.6	3.4		1
NITROGEN FREE EXTRACT	%	8.2	42.7		1
PROTEIN	%	3.4	17.5		1
CATTLE	DIG PROT % *	2.4	12.8		
GOATS	DIG PROT % *	2.5	12.9		
HORSES	DIG PROT % *	2.4	12.4		
RABBITS	DIG PROT % *	2.[illegible]	12.2		
SHEEP	DIG PROT % *	2.6	13.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.53	2.77		
SHEEP	DE MCAL/KG *	0.53	2.78		
CATTLE	ME MCAL/KG *	0.44	2.27		
SHEEP	ME MCAL/KG *	0.44	2.28		
CATTLE	NE-M MCAL/KG *	0.26	1.35		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.75		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.44		
CATTLE	TDN % *	12.0	62.7		
SHEEP	TDN % *	12.1	63.1		

MUSA SPP. LEAVES. FRESH. (2)

REF NO 2-09-902

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.1	100.0		2
ORGANIC MATTER	%	14.3	88.8		
ASH	%	1.8	11.2		1
CRUDE FIBER	%	4.1	25.5		1
ETHER EXTRACT	%	0.5	3.0		1
NITROGEN FREE EXTRACT	%	7.5	46.8		1
PROTEIN	%	2.2	13.5		2
CATTLE	DIG PROT % *	1.5	9.4		
GOATS	DIG PROT % *	1.5	9.2		
HORSES	DIG PROT % *	1.4	9.0		
RABBITS	DIG PROT % *	1.5	9.1		
SHEEP	DIG PROT % *	1.5	9.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.45	2.83		
SHEEP	DE MCAL/KG *	0.44	2.74		
CATTLE	ME MCAL/KG *	0.37	2.32		
SHEEP	ME MCAL/KG *	0.36	2.25		
CATTLE	NE-M MCAL/KG *	0.22	1.39		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.79		
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.49		
CATTLE	TDN % *	10.3	64.1		
SHEEP	TDN % *	10.0	62.2		

MUSA SPP. STALKS. FRESH. (2)

REF NO 2-11-910

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.4		
ASH	%		8.6		3
CRUDE FIBER	%		13.0		3
ETHER EXTRACT	%		0.6		3
NITROGEN FREE EXTRACT	%		75.8		3
PROTEIN	%		2.0		3
CATTLE	DIG PROT % *		-0.4		
GOATS	DIG PROT % *		-1.5		
HORSES	DIG PROT % *		-0.7		
RABBITS	DIG PROT % *		0.2		
SHEEP	DIG PROT % *		-1.1		

MUSA SPP. FRUIT. DEHY GRND. (4)

REF NO 4-00-484

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.7	100.0	7	4
ORGANIC MATTER	%	83.6	95.3		
ASH	%	4.1	4.7	39	18
CRUDE FIBER	%	2.9	3.4	82	18
ETHER EXTRACT	%	1.3	1.5	54	18
NITROGEN FREE EXTRACT	%	75.2	85.8	8	17
PROTEIN	%	4.1	4.7	44	18
CATTLE	DIG PROT % *	0.3	0.3		
GOATS	DIG PROT % *	1.3	1.5		
HORSES	DIG PROT % *	1.3	1.5		
SHEEP	DIG PROT % *	1.3	1.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.78	3.18		
SHEEP	DE MCAL/KG *	3.26	3.72		
SWINE	DE KCAL/KG *	3337.	3806.		
CATTLE	ME MCAL/KG *	2.28	2.60		
SHEEP	ME MCAL/KG *	2.68	3.05		
SWINE	ME KCAL/KG *	3172.	3618.		
CATTLE	NE-M MCAL/KG *	1.41	1.60		
CATTLE	NE-GAIN MCAL/KG *	0.91	1.03		
CATTLE	NE-LACTATION MCAL/KG *	1.55	1.77		
CATTLE	TDN % *	63.2	72.0		
SHEEP	TDN % *	74.0	84.4		
SWINE	TDN % *	75.7	86.3		

MUSA SPP. FRUIT. FRESH. (4)

REF NO 4-00-485

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.5	100.0		3
ORGANIC MATTER	%	23.1	94.6		
ASH	%	1.3	5.4	11	6
CRUDE FIBER	%	1.2	4.8	36	6
ETHER EXTRACT	%	0.5	2.1	61	6
NITROGEN FREE EXTRACT	%	20.2	82.7	4	6
PROTEIN	%	1.2	5.0	27	6
CATTLE	DIG PROT % *	0.1	0.6		
GOATS	DIG PROT % *	0.4	1.8		
HORSES	DIG PROT % *	0.4	1.8		
SHEEP	DIG PROT % *	0.4	1.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.72	2.96		
SHEEP	DE MCAL/KG *	0.89	3.65		
SWINE	DE KCAL/KG *	908.	3712.		
CATTLE	ME MCAL/KG *	0.59	2.43		
SHEEP	ME MCAL/KG *	0.73	2.99		
SWINE	ME KCAL/KG *	863.	3526.		
CATTLE	NE-M MCAL/KG *	0.36	1.46		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.89		
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.60		
CATTLE		TDN % *	16.4	67.1		
SHEEP		TDN % *	20.3	82.8		
SWINE		TDN % *	20.6	84.2		
CALCIUM		%	0.16	0.64		1
PHOSPHORUS		%	0.02	0.07		1

OAT GROATS (CFA)
-SEE AVENA SATIVA, GROATS, (4)

OAT GROATS (AAFCO)
-SEE AVENA SATIVA, GROATS, (4)

OAT MEAL
-SEE AVENA SATIVA, CEREAL BY-PRODUCT, MX 4% FIBER, (4)

OAT MIDDLINGS (CFA)
-SEE AVENA SATIVA, CEREAL BY-PRODUCT, MX 4% FIBER, (4)

OILY FISH MEAL (CFA)
-SEE FISH, WHOLE OR CUTTINGS, COOKED DEHY GRND, MN 9% OIL SALT DECLARED ABOVE 4%, (5)

OLEA EUROPAEA, OLIVES

OLEA EUROPAEA, FRUIT W PITS, DEHY GRND CAKED, (1)

REF NO 1-13-236

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.8	100.0		1
ORGANIC MATTER		%	87.7	97.7		
ASH		%	2.1	2.3		1
CRUDE FIBER		%	34.8	38.8		1
ETHER EXTRACT		%	15.7	17.5		1
NITROGEN FREE EXTRACT		%	28.9	32.2		1
PROTEIN		%	8.3	9.2		1
CATTLE	DIG PROT	% *	4.4	4.9		
GOATS	DIG PROT	% *	4.7	5.2		
HORSES	DIG PROT	% *	4.8	5.4		
RABBITS	DIG PROT	% *	5.2	5.8		
SHEEP	DIG PROT	% *	4.4	4.9		

OLEA EUROPAEA, PULP, MECH EXTD, (1)

REF NO 1-13-238

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.6	100.0		1
ORGANIC MATTER		%	89.5	96.7		
ASH		%	3.1	3.3		1
CRUDE FIBER		%	42.0	45.4		1
ETHER EXTRACT		%	12.3	13.3		1
NITROGEN FREE EXTRACT		%	30.0	32.4		1
PROTEIN		%	5.2	5.6		1
CATTLE	DIG PROT	% *	1.7	1.8		
GOATS	DIG PROT	% *	1.7	1.8		
HORSES	DIG PROT	% *	2.1	2.3		
RABBITS	DIG PROT	% *	2.8	3.0		
SHEEP	DIG PROT	% *	1.5	1.6		

OLEA EUROPAEA, SEEDS, MECH EXTD GRND CAKED, (1)

REF NO 1-13-237

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.8	100.0		2
ORGANIC MATTER		%	83.6	94.1		2
ASH		%	5.2	5.9		2
CRUDE FIBER		%	6.9	7.8		2
ETHER EXTRACT		%	7.1	8.0		2
NITROGEN FREE EXTRACT		%	22.2	25.1		2
PROTEIN		%	47.3	53.4		2
CATTLE	DIG PROT	% *	38.3	43.1		
GOATS	DIG PROT	% *	41.1	46.3		
HORSES	DIG PROT	% *	38.0	42.8		
RABBITS	DIG PROT	% *	35.4	39.9		
SHEEP	DIG PROT	% *	39.4	44.4		
CALCIUM		%	0.40	0.45		2
PHOSPHORUS		%	1.12	1.27		2

ONCORHYNCHUS SPP, SALMO SPP, FISH, SALMON

UNCORHYNCHUS SPP, SALMO SPP SALMON, LIVER OIL, (7)
SALMON LIVER OIL (AAFCO)

REF NO 7-02-013

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.2	100.0		1
ORGANIC MATTER		%	79.8	85.6		
ASH		%	13.4	14.4		1
ETHER EXTRACT		%	17.8	19.1		1
PROTEIN		%	62.8	67.4		1

OPUNTIA LEPTOCAULIS, TESAJO

OPUNTIA LEPTOCAULIS, BROWSE, FRESH, (2)

REF NO 2-13-235

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.9	100.0		1
ORGANIC MATTER		%	15.3	66.9		
ASH		%	7.6	33.2	16	4
CRUDE FIBER		%	4.3	18.8	34	4
ETHER EXTRACT		%	0.4	1.8	22	4
NITROGEN FREE EXTRACT		%	7.4	32.5	57	4
PROTEIN		%	3.2	13.8	98	4
CATTLE	DIG PROT	% *	2.2	9.6		
GOATS	DIG PROT	% *	2.2	9.5		
HORSES	DIG PROT	% *	2.1	9.3		
RABBITS	DIG PROT	% *	2.1	9.3		
SHEEP	DIG PROT	% *	2.3	9.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.48	2.08		
SHEEP	ME	MCAL/KG *	0.39	1.71		
SHEEP	TDN	% *	(10.8)	(47.3)		

OPUNTIA SPP, PRICKLYPEAR

OPUNTIA SPP, AERIAL PART, FRESH, (2)

REF NO 2-01-061

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(16.8)	(100.0)		3
ORGANIC MATTER		%	13.8	82.0		
ASH		%	3.0	18.0		2
CRUDE FIBER		%	1.7	10.3		2
SHEEP	DIG CUEF	%	40.	40.		1
ETHER EXTRACT		%	0.4	2.4		2
SHEEP	DIG COEF	%	72.	72.		1
NITROGEN FREE EXTRACT		%	10.8	64.3		2
SHEEP	DIG COEF	% *	78.	78.		
PROTEIN		%	0.8	5.0		2
SHEEP	DIG COEF	%	44.	44.		1
CATTLE	DIG PROT	% *	0.4	2.1		
GOATS	DIG PROT	% *	0.2	1.2		
HORSES	DIG PROT	% *	0.3	1.8		
RABBITS	DIG PROT	% *	0.4	2.5		
SHEEP	DIG PROT	%	0.4	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.60	3.60		
SHEEP	DE	MCAL/KG *	0.45	2.66		
CATTLE	ME	MCAL/KG *	0.49	2.95		
SHEEP	ME	MCAL/KG *	0.37	2.18		
CATTLE	NE-M	MCAL/KG *	0.32	1.91		
CATTLE	NE-GAIN	MCAL/KG *	0.21	1.27		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	2.09		
CATTLE	TDN	% *	13.7	81.6		
SHEEP	TDN	% *	10.1	60.4		
CALCIUM		%	0.57	3.41		1
PHOSPHORUS		%	(0.01)	(0.08)		1
POTASSIUM		%	0.42	2.53		1

OPUNTIA SPP, AERIAL PART NO SPINES, FRESH, (2)

REF NO 2-13-472

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.0		
ASH		%		17.0		1
CRUDE FIBER		%		64.8		1
ETHER EXTRACT		%		6.5		1
NITROGEN FREE EXTRACT		%		7.8		1
PROTEIN		%		3.9		1
CATTLE	DIG PROT	% *		1.2		
GOATS	DIG PROT	% *		0.2		
HORSES	DIG PROT	% *		0.9		
RABBITS	DIG PROT	% *		1.7		
SHEEP	DIG PROT	% *		0.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
OPUNTIA SPP, AERIAL PART NO SPINES, FRESH CHOPPED, (2)						
REF NO 2-13-756						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		78.4		
ASH		%		21.6	20	5
CRUDE FIBER		%		6.7	22	5
ETHER EXTRACT		%		1.7	18	5
NITROGEN FREE EXTRACT		%		67.0	3	5
PROTEIN		%		3.0	7	5
CATTLE	DIG PROT	% *		0.5		
GOATS	DIG PROT	% *		-0.6		
HORSES	DIG PROT	% *		0.1		
RABBITS	DIG PROT	% *		1.0		
SHEEP	DIG PROT	% *		-0.2		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		3.19		
SHEEP	ME	MCAL/KG *		2.62		
SHEEP		TDN % *		72.4		
OPUNTIA VULGARIS, PRICKLYPEAR, COMMON						
OPUNTIA VULGARIS COMMON, FRUIT NO PEELINGS, FRESH, (2)						
REF NO 2-13-336						
DRY MATTER		%	17.5	100.0		1
ORGANIC MATTER		%	17.2	98.3		
ASH		%	0.3	1.7		1
CRUDE FIBER		%	6.3	36.0		1
ETHER EXTRACT		%	0.2	1.1		1
NITROGEN FREE EXTRACT		%	9.6	54.9		
PROTEIN		%	1.1	6.3		1
CATTLE	DIG PROT	% *	0.6	3.2		
GOATS	DIG PROT	% *	0.4	2.4		
HORSES	DIG PROT	% *	0.5	2.9		
RABBITS	DIG PROT	% *	0.6	3.5		
SHEEP	DIG PROT	% *	0.5	2.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.39	2.21		
SHEEP	DE	MCAL/KG *	0.45	2.58		
CATTLE	ME	MCAL/KG *	0.32	1.82		
SHEEP	ME	MCAL/KG *	0.37	2.11		
CATTLE	NE-M	MCAL/KG *	0.19	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.18	1.01		
CATTLE		TDN % *	8.8	50.2		
SHEEP		TDN % *	10.2	58.4		
CALCIUM		%	0.03	0.17		1
PHOSPHORUS		%	0.02	0.11		1
ASCORBIC ACID		MG/KG	175.0	1000.0		1
NIACIN		MG/KG	3.0	17.1		1
RIBOFLAVIN		MG/KG	0.2	1.1		1
THIAMINE		MG/KG	2.3	13.1		1
OPUNTIA VULGARIS COMMON, FRUIT, FRESH, (4)						
REF NO 4-13-471						
DRY MATTER		%	16.3	100.0		1
ORGANIC MATTER		%	16.0	98.2		
ASH		%	0.3	1.8		1
CRUDE FIBER		%	2.4	14.7		1
ETHER EXTRACT		%	0.2	1.2		1
NITROGEN FREE EXTRACT		%	12.3	75.5		
PROTEIN		%	1.1	6.7		1
CATTLE	DIG PROT	% *	0.4	2.2		
GOATS	DIG PROT	% *	0.6	3.4		
HORSES	DIG PROT	% *	0.6	3.4		
SHEEP	DIG PROT	% *	0.6	3.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.55	3.35		
SHEEP	DE	MCAL/KG *	0.58	3.57		
SWINE	DE	KCAL/KG *	583.	3575.		
CATTLE	ME	MCAL/KG *	0.45	2.74		
SHEEP	ME	MCAL/KG *	0.48	2.93		
SWINE	ME	KCAL/KG *	551.	3383.		
CATTLE	NE-M	MCAL/KG *	0.28	1.72		
CATTLE	NE-GAIN	MCAL/KG *	0.19	1.14		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.90		
CATTLE		TDN % *	12.4	75.9		
SHEEP		TDN % *	13.2	81.0		
SWINE		TDN % *	13.2	81.1		
CALCIUM		%	0.03	0.18		1
IRON		%	0.001	0.006		1
PHOSPHORUS		%	0.02	0.12		1
ASCORBIC ACID		MG/KG	88.0	539.9		1
NIACIN		MG/KG	4.0	24.5		1
RIBOFLAVIN		MG/KG	0.0	0.1		1
THIAMINE		MG/KG	0.4	2.5		1
VITAMIN A EQUIV		IU/G	1.2	7.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ORANGE PULP, DRIED -SEE CITRUS SINENSIS ORANGE, PULP NO FINES, SHREDDED DEHY, (4)						
ORANGE PULP, WET -SEE CITRUS SINENSIS ORANGE, PULP, SHREDDED WET, (4)						
ORBIGNYA COHUNE, PALM, COHUNE						
URBIGNYA COHUNE COHUNE, KERNELS, MECH EXTD GRND CAKED, (5)						
REF NO 5-11-966						
DRY MATTER		%	90.7	100.0	1	6
ORGANIC MATTER		%	85.8	94.6	9	5
ASH		%	4.9	5.4	9	6
CRUDE FIBER		%	17.9	19.7	25	6
ETHER EXTRACT		%	7.3	8.1	21	6
NITROGEN FREE EXTRACT		%	40.6	44.8	16	6
PROTEIN		%	19.9	22.0	5	6
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.83	3.12		
SHEEP	DE	MCAL/KG *	2.95	3.26		
CATTLE	ME	MCAL/KG *	2.32	2.56		
SHEEP	ME	MCAL/KG *	2.42	2.67		
CATTLE	NE-M	MCAL/KG *	1.42	1.56		
CATTLE	NE-GAIN	MCAL/KG *	0.90	0.99		
CATTLE	NE-LACTATION	MCAL/KG *	1.56	1.72		
CATTLE		TDN % *	64.1	70.7		
SHEEP		TDN % *	67.0	73.8		
CALCIUM		%	0.21	0.23	33	6
IRON		%	0.026	0.028	65	6
PHOSPHORUS		%	0.70	0.78	10	6
NIACIN		MG/KG	16.0	17.7		3
RIBOFLAVIN		MG/KG	1.8	2.0		1
THIAMINE		MG/KG	1.8	2.0		1
VITAMIN A		IU/G	32.4	35.8		1
VITAMIN A EQUIV		IU/G	0.3	0.3		
ARGININE		%	2.58	2.84		1
CYSTINE		%	0.16	0.17		1
HISTIDINE		%	0.89	0.99		1
ISOLEUCINE		%	0.71	0.78		1
LEUCINE		%	1.06	1.17		1
LYSINE		%	0.97	1.07		1
METHIONINE		%	0.39	0.43		1
PHENYLALANINE		%	0.74	0.81		1
THREONINE		%	0.72	0.79		1
TRYPTOPHAN		%	0.13	0.14		1
TYROSINE		%	0.22	0.24		1
VALINE		%	1.05	1.16		1
URBIGNYA COHUNE COHUNE, KERNELS, SOLV EXTD GRND, (5)						
REF NO 5-11-965						
DRY MATTER		%	83.0	100.0		1
CRUDE FIBER		%	20.1	24.2		1
ETHER EXTRACT		%	1.6	1.9		1
PROTEIN		%	20.0	24.1		1
URBIGNYA COHUNE COHUNE, KERNELS, SOLV EXTD GRND CAKED, (5)						
REF NO 5-11-964						
DRY MATTER		%	90.2	100.0		1
ORGANIC MATTER		%	85.3	94.6		1
ASH		%	4.9	5.4		1
CRUDE FIBER		%	25.8	28.6		1
ETHER EXTRACT		%	0.2	0.2		1
NITROGEN FREE EXTRACT		%	37.5	41.6		1
PROTEIN		%	21.8	24.2		1
CALCIUM		%	0.21	0.23		1
ORBIGNYA MARTIANA, BABASSU, MARTIUS						
URBIGNYA MARTIANA MARTIUS, FRUIT, SOLV EXTD GRND CAKED, (1)						
REF NO 1-11-967						
DRY MATTER		%	89.8	100.0		1
ORGANIC MATTER		%	86.9	96.8		
ASH		%	2.9	3.2		1
CRUDE FIBER		%	35.0	39.0		1
ETHER EXTRACT		%	1.8	2.0		1
NITROGEN FREE EXTRACT		%	42.3	47.1		1

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PROTEIN		%	7.8	8.7		1
CATTLE	DIG PROT	% *	4.0	4.5		
GOATS	DIG PROT	% *	4.2	4.7		
HORSES	DIG PROT	% *	4.4	4.9		
RABBITS	DIG PROT	% *	4.8	5.4		
SHEEP	DIG PROT	% *	3.9	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.23	2.49		
HORSES	DE	MCAL/KG *	1.52	1.70		
SHEEP	DE	MCAL/KG *	2.15	2.40		
CATTLE	ME	MCAL/KG *	1.83	2.04		
HORSES	ME	MCAL/KG *	1.25	1.39		
SHEEP	ME	MCAL/KG *	1.77	1.97		
CATTLE	NE-M	MCAL/KG *	1.08	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.47	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	1.10	1.23		
CATTLE	TDN	% *	50.6	56.4		
HORSES	TDN	% *	37.5	41.8		
SHEEP	TDN	% *	48.8	54.4		

ORBIGNYA MARTIANA MARTIUS, FRUIT, DEHY, (4)

REF NO 4-11-963

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.4	100.0		1
ORGANIC MATTER		%	86.8	92.9		
ASH		%	6.6	7.1		1
CRUDE FIBER		%	23.5	25.2		1
ETHER EXTRACT		%	7.7	8.2		1
NITROGEN FREE EXTRACT		%	31.0	33.2		1
PROTEIN		%	24.6	26.3		1
CATTLE	DIG PROT	% *	18.8	20.2		
GOATS	DIG PROT	% *	19.9	21.3		
HORSES	DIG PROT	% *	19.9	21.3		
SHEEP	DIG PROT	% *	19.9	21.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.39	2.55		
SHEEP	ME	MCAL/KG *	1.96	2.09		
SHEEP	TDN	% *	54.1	57.9		

ORBIGNYA MARTIANA MARTIUS, FRUIT, DEHY GRND, (4)

REF NO 4-11-968

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.1	100.0		1
ORGANIC MATTER		%	89.1	98.9		
ASH		%	1.0	1.1		1
CRUDE FIBER		%	37.0	41.1		1
ETHER EXTRACT		%	10.1	11.2		1
NITROGEN FREE EXTRACT		%	38.9	43.2		1
PROTEIN		%	3.1	3.4		1
CATTLE	DIG PROT	% *	-0.7	-0.8		
GOATS	DIG PROT	% *	0.4	0.4		
HORSES	DIG PROT	% *	0.4	0.4		
SHEEP	DIG PROT	% *	0.4	0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	4.08	4.52		
SHEEP	DE	MCAL/KG *	1.77	1.96		
CATTLE	ME	MCAL/KG *	3.34	3.71		
SHEEP	ME	MCAL/KG *	1.45	1.61		
CATTLE	NE-M	MCAL/KG *	2.54	2.82		
CATTLE	NE-GAIN	MCAL/KG *	1.52	1.68		
CATTLE	NE-LACTATION	MCAL/KG *	2.54	2.82		
CATTLE	TDN	% *	92.5	102.6		
SHEEP	TDN	% *	40.1	44.6		

ORBIGNYA MARTIANA MARTIUS, KERNELS, SOLV EXTD GRND CAKED, (5)

REF NO 5-13-277

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	85.6	100.0		1
ORGANIC MATTER		%	78.4	91.6		
ASH		%	7.2	8.4		1
CRUDE FIBER		%	16.8	19.6		1
ETHER EXTRACT		%	2.3	2.7		1
NITROGEN FREE EXTRACT		%	37.6	43.9		1
PROTEIN		%	21.7	25.4		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.21	2.58		
SHEEP	DE	MCAL/KG *	2.45	2.87		
CATTLE	ME	MCAL/KG *	1.81	2.12		
SHEEP	ME	MCAL/KG *	2.01	2.35		
CATTLE	NE-M	MCAL/KG *	1.07	1.25		
CATTLE	NE-GAIN	MCAL/KG *	0.52	0.61		
CATTLE	NE-LACTATION	MCAL/KG *	1.11	1.30		
CATTLE	TDN	% *	50.1	58.5		
SHEEP	TDN	% *	55.6	65.0		
CALCIUM		%	0.32	0.37		1
PHOSPHORUS		%	0.78	0.91		1

ORBIGNYA MARTIANA MARTIUS, MEATS, MECH EXTD GRND, (5)

REF NO 5-09-644

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.1	100.0		2
ORGANIC MATTER		%	84.6	93.9		
ASH		%	5.5	6.1		3
CRUDE FIBER		%	21.1	23.4		3
ETHER EXTRACT		%	5.4	6.0		3
NITROGEN FREE EXTRACT		%	43.6	48.4		3
PROTEIN		%	14.4	16.0		3
ENERGY	GE	KCAL/KG	4297.	4772.		1
SHEEP	DE	MCAL/KG *	2.53	2.81		
SHEEP	ME	MCAL/KG *	2.08	2.31		
SHEEP	TDN	% *	57.4	63.8		
CALCIUM		%	0.17	0.19		1
PHOSPHORUS		%	0.86	0.95		1

ORBIGNYA MARTIANA MARTIUS, MEATS, MECH EXTD GRND CAKED, (5)

REF NO 5-09-643

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.4	100.0	1	4
ORGANIC MATTER		%	86.7	94.8	45	1
ASH		%	6.6	7.2	45	5
CRUDE FIBER		%	16.8	18.4	14	5
ETHER EXTRACT		%	9.6	10.6	18	5
NITROGEN FREE EXTRACT		%	35.1	38.4	16	5
PROTEIN		%	23.3	25.5	11	5
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.94	3.22		
SHEEP	DE	MCAL/KG *	3.08	3.37		
CATTLE	ME	MCAL/KG *	2.41	2.64		
SHEEP	ME	MCAL/KG *	2.53	2.77		
CATTLE	NE-M	MCAL/KG *	1.49	1.63		
CATTLE	NE-GAIN	MCAL/KG *	0.97	1.06		
CATTLE	NE-LACTATION	MCAL/KG *	1.65	1.80		
CATTLE	TDN	% *	66.8	73.1		
SHEEP	TDN	% *	69.9	76.5		
CALCIUM		%	0.33	0.36		3
PHOSPHORUS		%	0.86	0.94		3

ORYZA SATIVA, RICE

ORYZA SATIVA, BRAN, (1)

REF NO 1-09-465

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.8	100.0	3	23
ORGANIC MATTER		%	78.6	86.6	32	8
ASH		%	14.2	15.6	32	45
CRUDE FIBER		%	19.1	21.0	44	98
ETHER EXTRACT		%	6.2	6.9	53	68
NITROGEN FREE EXTRACT		%	43.2	47.6	25	39
PROTEIN		%	8.1	9.0	41	55
CATTLE	DIG PROT	% *	4.3	4.7		
GOATS	DIG PROT	% *	4.5	4.9		
HORSES	DIG PROT	% *	4.7	5.1		
RABBITS	DIG PROT	% *	5.1	5.6		
SHEEP	DIG PROT	% *	4.2	4.6		
SUGARS, TOTAL		%	54.7	60.3		
ENERGY	GE	KCAL/KG				
HORSES	DE	MCAL/KG *	2.08	2.29		
SHEEP	DE	MCAL/KG *	2.19	2.41		
HORSES	ME	MCAL/KG *	1.70	1.88		
SHEEP	ME	MCAL/KG *	1.80	1.98		
HORSES	TDN	% *	52.6	58.0		
SHEEP	TDN	% *	49.7	54.7		
CALCIUM		%	0.24	0.27	51	11
IRON		%	0.028	0.030	53	4
PHOSPHORUS		%	0.53	0.58	98	10
NIACIN		MG/KG	68.4	75.3		3

ORYZA SATIVA, BRAN W GERM W HULLS, (1)

REF NO 1-03-931

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.6	100.0	2	23
ORGANIC MATTER		%	74.1	81.8	27	6
ASH		%	14.4	15.9	27	31
CRUDE FIBER		%	25.2	27.9	22	35
ETHER EXTRACT		%	5.8	6.4	44	34
NITROGEN FREE EXTRACT		%	37.7	41.6	17	25
PROTEIN		%	7.6	8.3	33	35
CATTLE	DIG PROT	% *	3.8	4.2		
GOATS	DIG PROT	% *	3.9	4.3		
HORSES	DIG PROT	% *	4.2	4.6		
RABBITS	DIG PROT	% *	4.6	5.1		
SHEEP	DIG PROT	% *	3.7	4.0		
ENERGY	GE	KCAL/KG				
HORSES	DE	MCAL/KG *	2.10	2.31		
SHEEP	DE	MCAL/KG *	1.88	2.08		
HORSES	ME	MCAL/KG *	1.72	1.90		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	ME	MCAL/KG *	1.54	1.70		
HORSES		TDN % *	53.1	58.7		
SHEEP		TDN % *	42.7	47.1		
CALCIUM		%	0.27	0.30	77	6
COPPER		MG/KG	282.7	312.0		1
IRON		%	0.061	0.067		3
MAGNESIUM		%	0.29	0.32		1
MANGANESE		MG/KG	286.3	316.0		1
PHOSPHORUS		%	0.98	1.08	55	5
POTASSIUM		%	0.72	0.80		1
SODIUM		%	0.90	0.99		1

ORYZA SATIVA, BRAN W GERM W HULLS, SOLV EXTD GRND, (1)

REF NO 1-13-554

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.6	100.0		1
ORGANIC MATTER		%	76.7	85.6		
ASH		%	12.9	14.4		1
CRUDE FIBER		%	26.6	29.7		1
ETHER EXTRACT		%	0.7	0.8		1
NITROGEN FREE EXTRACT		%	41.8	46.6		1
PROTEIN		%	7.6	8.5		1
CATTLE	DIG PROT	% *	3.9	4.3		
GOATS	DIG PROT	% *	4.0	4.5		
HORSES	DIG PROT	% *	4.3	4.7		
RABBITS	DIG PROT	% *	4.7	5.2		
SHEEP	DIG PROT	% *	3.8	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.89	2.11		
HORSES	DE	MCAL/KG *	1.45	1.62		
SHEEP	DE	MCAL/KG *	1.95	2.17		
CATTLE	ME	MCAL/KG *	1.55	1.73		
HORSES	ME	MCAL/KG *	1.19	1.33		
SHEEP	ME	MCAL/KG *	1.60	1.78		
CATTLE	NE-M	MCAL/KG *	0.92	1.03		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.18		
CATTLE	NE-LACTATION	MCAL/KG *	0.83	0.93		
CATTLE		TDN % *	42.8	47.8		
HORSES		TDN % *	35.5	39.7		
SHEEP		TDN % *	44.2	49.3		

ORYZA SATIVA, HULLS, (1)
RICE HULLS (AAFCO)

REF NO 1-08-075

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.6	100.0	1	26
ORGANIC MATTER		%	69.8	77.0	31	6
ASH		%	17.7	19.5	31	30
CRUDE FIBER		%	38.2	42.1	23	29
ETHER EXTRACT		%	1.9	2.1	98	26
NITROGEN FREE EXTRACT		%	28.8	31.7	33	24
PROTEIN		%	4.1	4.5	56	34
CATTLE	DIG PROT	% *	0.8	0.8		
GOATS	DIG PROT	% *	0.7	0.8		
HORSES	DIG PROT	% *	1.2	1.4		
RABBITS	DIG PROT	% *	1.9	2.1		
SHEEP	DIG PROT	% *	0.6	0.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.60	1.76		
SHEEP	ME	MCAL/KG *	1.31	1.44		
SHEEP		TDN % *	36.2	40.0		
CALCIUM		%	0.29	0.32	98	8
COPPER		MG/KG	229.8	253.5		2
IRON		%	0.015	0.017	89	6
MAGNESIUM		%	0.13	0.15		2
MANGANESE		MG/KG	411.5	454.0		2
PHOSPHORUS		%	0.19	0.21	76	7
POTASSIUM		%	0.39	0.44		2
SODIUM		%	0.12	0.14		2
NIACIN		MG/KG	22.3	24.6		2

ORYZA SATIVA, HULLS, GRND, (1)

REF NO 1-13-298

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	96.7	100.0		1
ORGANIC MATTER		%	74.0	76.6		
ASH		%	22.7	23.4		2
CRUDE FIBER		%	47.9	49.5		2
ETHER EXTRACT		%	0.7	0.7		2
NITROGEN FREE EXTRACT		%	19.2	19.9		2
PROTEIN		%	6.3	6.5		2
CATTLE	DIG PROT	% *	2.5	2.5		
GOATS	DIG PROT	% *	2.5	2.6		
HORSES	DIG PROT	% *	2.9	3.0		
RABBITS	DIG PROT	% *	3.5	3.7		
SHEEP	DIG PROT	% *	2.3	2.4		

ORYZA SATIVA, STRAW, (1)

REF NO 1-03-925

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.0	100.0	3	26
ORGANIC MATTER		%	71.4	80.3	29	16
ASH		%	15.8	17.7	29	28
SHEEP	DIG COEF	%	43.	43.		
CRUDE FIBER		%	31.7	35.7	11	13
ETHER EXTRACT		%	2.1	2.4	37	12
NITROGEN FREE EXTRACT		%	34.5	38.7	8	10
PROTEIN		%	4.8	5.4	32	29
SHEEP	DIG COEF	%	40.	40.		1
CATTLE	DIG PROT	% *	1.5	1.7		
GOATS	DIG PROT	% *	1.5	1.6		
HORSES	DIG PROT	% *	1.9	2.1		
RABBITS	DIG PROT	% *	2.6	2.9		
SHEEP	DIG PROT	%	1.9	2.2		
CELL WALLS (VAN SOEST)		%	69.6	78.2		1
FIBER, ACID DETERGENT (VS)		%	51.0	57.3		1
LIGNIN (VAN SOEST)		%	3.8	4.3		1
ENERGY	GE	KCAL/KG	3354.	3769.		1
SHEEP	GE DIG COEF	%	54.	54.		1
CATTLE	DE	MCAL/KG *	1.66	1.87		
HORSES	DE	MCAL/KG *	1.65	1.85		
SHEEP	DE	MCAL/KG	1.81	2.04		1
CATTLE	ME	MCAL/KG *	1.36	1.53		
HORSES	ME	MCAL/KG *	1.35	1.52		
SHEEP	ME	MCAL/KG *	1.49	1.67		
CATTLE	NE-M	MCAL/KG *	0.83	0.93		
CATTLE	NE-GAIN	MCAL/KG *	-0.06	-0.07		
CATTLE	NE-LACTATION	MCAL/KG *	0.66	0.74		
CATTLE		TDN % *	37.7	42.3		
HORSES		TDN % *	41.0	46.1		
SHEEP		TDN % *				
CALCIUM		%	0.26	0.29		3
PHOSPHORUS		%	0.32	0.36		2

ORYZA SATIVA, STRAW, GRND, (1)

REF NO 1-09-712

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	79.2	100.0		1
ORGANIC MATTER		%	58.7	74.2		
ASH		%	20.5	25.8		2
CRUDE FIBER		%	22.9	28.9		2
ETHER EXTRACT		%	1.8	2.3		2
NITROGEN FREE EXTRACT		%	28.2	35.6		2
PROTEIN		%	5.8	7.3		2
CATTLE	DIG PROT	% *	2.6	3.3		
GOATS	DIG PROT	% *	2.7	3.4		
HORSES	DIG PROT	% *	3.0	3.7		
RABBITS	DIG PROT	% *	3.4	4.3		
SHEEP	DIG PROT	% *	2.5	3.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.45	1.84		
SHEEP	DE	MCAL/KG *	1.46	1.84		
CATTLE	ME	MCAL/KG *	1.19	1.51		
SHEEP	ME	MCAL/KG *	1.20	1.51		
CATTLE	NE-M	MCAL/KG *	0.73	0.92		
CATTLE	NE-GAIN	MCAL/KG *	-0.08	-0.10		
CATTLE	NE-LACTATION	MCAL/KG *	0.57	0.72		
CATTLE		TDN % *	33.0	41.6		
SHEEP		TDN % *	33.1	41.8		

ORYZA SATIVA, BRAN W GERM, DRY MILLED, (4)
RICE BRAN (CFA)

REF NO 4-03-929

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.8	100.0	2	76
ORGANIC MATTER		%	82.6	91.9	38	5
ASH		%	10.2	11.3	38	83
CRUDE FIBER		%	10.9	12.1	29	95
ETHER EXTRACT		%	12.7	14.1	33	98
NITROGEN FREE EXTRACT		%	43.3	48.2	18	49
PROTEIN		%	12.8	14.2	20	92
CATTLE	DIG PROT	% *	8.1	9.1		
GOATS	DIG PROT	% *	9.2	10.3		
HORSES	DIG PROT	% *	9.2	10.3		
SHEEP	DIG PROT	% *	9.2	10.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.24	3.61		
SHEEP	DE	MCAL/KG *	2.97	3.30		
SWINE	DE	KCAL/KG *	3126.	3479.		
CATTLE	ME	MCAL/KG *	2.66	2.96		
SHEEP	ME	MCAL/KG *	2.43	2.71		
SWINE	ME	KCAL/KG *	2911.	3240.		
CATTLE	NE-M	MCAL/KG *	1.72	1.92		
CATTLE	NE-GAIN	MCAL/KG *	1.15	1.28		
CATTLE	NE-LACTATION	MCAL/KG *	1.89	2.10		
CATTLE		TDN % *	73.5	81.8		
SHEEP		TDN % *	67.3	74.9		
SWINE		TDN % *	70.9	78.9		
ALUMINUM		MG/KG	103.86	115.60		1
CALCIUM		%	0.28	0.31	98	14
COPPER		MG/KG	8.4	9.3		2

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
IRON	%	0.022	0.024	60	5
MAGNESIUM	%	0.57	0.63		2
MANGANESE	MG/KG	160.7	178.9		2
PHOSPHORUS	%	0.67	0.75	98	12
POTASSIUM	%	0.50	0.56		1
SODIUM	%	0.01	0.02		1
ZINC	MG/KG	395.4	440.1		1
NIACIN	MG/KG	230.9	257.1		3
ALANINE	%	0.65	0.72		2
ARGININE	%	1.30	1.45		1
ASPARTIC ACID	%	0.36	0.40		1
CYSTINE	%	0.02	0.02		1
GLUTAMIC ACID	%	1.10	1.22		1
GLYCINE	%	0.22	0.25		1
HISTIDINE	%	0.27	0.30		2
ISOLEUCINE	%	0.29	0.32		2
LEUCINE	%	0.59	0.66		2
LYSINE	%	0.43	0.48		3
METHIONINE	%	0.12	0.13		3
PHENYLALANINE	%	0.69	0.77		2
PROLINE	%	0.32	0.36		1
SERINE	%	0.37	0.42		2
THREONINE	%	0.34	0.38		2
TRYPTOPHAN	%	0.11	0.12		2
TYRUSINE	%	0.39	0.44		2
VALINE	%	0.39	0.44		2

ORYZA SATIVA, BRAN W GERM, DRY MILLED, MX 13%
FIBER CALCIUM CARBONATE DECLARED ABOVE
3% MN, (4)
RICE BRAN (AAFCO)

REF NO 4-03-928

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.8	100.0		10
ORGANIC MATTER		%	79.7	87.8		
ASH		%	11.1	12.2	15	4
CRUDE FIBER		%	11.3	12.4	7	7
SHEEP	DIG COEF	%	28.	28.		1
ETHER EXTRACT		%	14.5	16.0	6	6
SHEEP	DIG COEF	%	83.	83.		1
NITROGEN FREE EXTRACT		%	40.6	44.7		5
SHEEP	DIG COEF	% *	76.	76.		
PROTEIN		%	13.4	14.7	7	6
SHEEP	DIG COEF	%	68.	68.		1
CATTLE	DIG PROT	% *	8.7	9.5		
GOATS	DIG PROT	% *	9.7	10.7		
HORSES	DIG PROT	% *	9.7	10.7		
SHEEP	DIG PROT	%	(9.1)	(10.0)		
PENTOSANS		%	10.4	11.5		1
FATTY ACIDS		%				
LINOLEIC		%	3.593	3.956		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.45	3.80		
SHEEP	DE	MCAL/KG *	3.09	3.41		
SWINE	DE	KCAL/KG *	3268.	3597.		
CATTLE	ME	MCAL/KG *	2.83	3.12		
CHICKENS	ME-N	KCAL/KG	1627.	1791.		1
SHEEP	ME	MCAL/KG *	2.54	2.79		
SWINE	ME	KCAL/KG *	3040.	3347.		
CATTLE	NE-M	MCAL/KG *	1.89	2.08		
CATTLE	NE-GAIN	MCAL/KG *	1.25	1.38		
CATTLE	NE-LACTATION	MCAL/KG *	2.05	2.25		
CATTLE	TDN	% *	78.3	86.2		
SHEEP	TDN	% *	70.2	77.3		
SWINE	TDN	% *	(74.1)	(81.6)		
CALCIUM		%	(0.07)	(0.08)	31	6
CHLORINE		%	(0.07)	(0.08)		3
COPPER		MG/KG	(13.0)	(14.3)		2
IRON		%	(0.019)	(0.021)		2
MAGNESIUM		%	(0.95)	(1.05)		2
MANGANESE		MG/KG	(324.6)	(357.4)	34	4
PHOSPHORUS		%	(1.50)	(1.65)	17	6
CHICKENS, CHICKS AVAILABLE		%	(0.21)	(0.23)		1
POTASSIUM		%	(1.73)	(1.90)		3
SODIUM		%	(0.07)	(0.08)		1
SULPHUR		%	(0.18)	(0.20)		2
ZINC		MG/KG	(30.0)	(33.0)		2
A-TOCOPHEROL		MG/KG	(59.9)	(65.9)		1
BETAINE		%	(0.003)	(0.003)		1
BIOTIN		MG/KG	(0.42)	(0.46)		3
CHOLINE		MG/KG	(1135.)	(1250.)		2
NIACIN		MG/KG	(293.3)	(322.9)	6	4
PANTOTHENIC ACID		MG/KG	(22.8)	(25.1)	5	4
RIBOFLAVIN		MG/KG	(2.5)	(2.8)	8	4
THIAMINE		MG/KG	(22.5)	(24.8)		2
VITAMIN B6		MG/KG	(29.17)	(32.12)		1
ARGININE		%	(0.89)	(0.98)	43	5
CYSTINE		%	(0.17)	(0.19)	87	4
GLYCINE		%	(0.80)	(0.86)		1
HISTIDINE		%	(0.33)	(0.36)	51	4
ISOLEUCINE		%	(0.52)	(0.57)		3
LEUCINE		%	(0.90)	(0.99)		3
LYSINE		%	(0.59)	(0.65)	21	5
METHIONINE		%	(0.24)	(0.27)		3
PHENYLALANINE		%	(0.58)	(0.64)		3
THREONINE		%	(0.48)	(0.53)	21	4
TRYPTOPHAN		%	(0.15)	(0.16)	45	5
TYROSINE		%	(0.68)	(0.75)		1
VALINE		%	0.75	0.83		3

ORYZA SATIVA, BRAN W GERM, MECH EXTD GRND, (4)

REF NO 4-13-293

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.2	100.0		3
ORGANIC MATTER		%	85.3	91.5		
ASH		%	7.9	8.5	41	7
CRUDE FIBER		%	13.1	14.0	35	8
ETHER EXTRACT		%	4.8	5.1	25	8
NITROGEN FREE EXTRACT		%	51.6	55.4	9	7
PROTEIN		%	15.8	17.0	18	8
CATTLE	DIG PROT	% *	10.8	11.6		
GOATS	DIG PROT	% *	11.9	12.8		
HORSES	DIG PROT	% *	11.9	12.8		
SHEEP	DIG PROT	% *	11.9	12.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.48	2.66		
SHEEP	DE	MCAL/KG *	2.81	3.02		
SWINE	DE	KCAL/KG *	2643.	2835.		
CATTLE	ME	MCAL/KG *	2.03	2.18		
SHEEP	ME	MCAL/KG *	2.31	2.47		
SWINE	ME	KCAL/KG *	2447.	2625.		
CATTLE	NE-M	MCAL/KG *	1.20	1.29		
CATTLE	NE-GAIN	MCAL/KG *	0.62	0.67		
CATTLE	NE-LACTATION	MCAL/KG *	1.27	1.36		
CATTLE	TDN	% *	56.2	60.3		
SHEEP	TDN	% *	63.8	68.5		
SWINE	TDN	% *	60.0	64.3		
CALCIUM		%	0.35	0.38		3
MAGNESIUM		%	0.75	0.81		1
PHOSPHORUS		%	0.71	0.76		3
POTASSIUM		%	3.04	3.26		1
SODIUM		%	0.02	0.02		1

ORYZA SATIVA, BRAN W GERM, SOLV EXTD GRND, (4)

REF NO 4-13-294

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	94.3	100.0		1
ORGANIC MATTER		%	73.5	77.9		
ASH		%	20.8	22.1		1
CRUDE FIBER		%	20.6	21.8		1
ETHER EXTRACT		%	1.2	1.3		1
NITROGEN FREE EXTRACT		%	39.5	41.9		1
PROTEIN		%	12.2	12.9		1
CATTLE	DIG PROT	% *	7.4	7.9		
GOATS	DIG PROT	% *	8.6	9.1		
HORSES	DIG PROT	% *	8.6	9.1		
SHEEP	DIG PROT	% *	8.6	9.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	-0.36	-0.38		
SHEEP	DE	MCAL/KG *	2.22	2.35		
SWINE	DE	KCAL/KG *	603.	639.		
CATTLE	ME	MCAL/KG *	-0.29	-0.31		
SHEEP	ME	MCAL/KG *	1.82	1.93		
SWINE	ME	KCAL/KG *	563.	597.		
CATTLE	NE-M	MCAL/KG *	0.34	0.36		
CATTLE	NE-GAIN	MCAL/KG *	-3.88	-4.12		
CATTLE	NE-LACTATION	MCAL/KG *	-0.95	-1.01		
CATTLE	TDN	% *	-8.1	-8.6		
SHEEP	TDN	% *	50.3	53.3		
SWINE	TDN	% *	13.7	14.5		
CALCIUM		%	2.07	2.20		1
COPPER		MG/KG	15.1	16.0		1
IRON		%	0.080	0.085		1
MAGNESIUM		%	0.33	0.35		1
MANGANESE		MG/KG	158.5	168.1		1

ORYZA SATIVA, BRAN W GERM, SOLV EXTD GRND, MN
14% PROTEIN MX 14% FIBER, (4)
SOLVENT EXTRACTED RICE BRAN (AAFCO)

REF NO 4-03-930

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.3	100.0	1	16
ORGANIC MATTER		%	81.4	91.2	20	1
ASH		%	9.0	10.1	20	19
CRUDE FIBER		%	10.3	11.6	26	22
ETHER EXTRACT		%	2.8	3.1	30	22
NITROGEN FREE EXTRACT		%	49.3	55.3	10	8
PROTEIN		%	17.8	19.9	11	22
CATTLE	DIG PROT	% *	12.8	14.3		
GOATS	DIG PROT	% *	13.8	15.5		
HORSES	DIG PROT	% *	13.8	15.5		
SHEEP	DIG PROT	% *	13.8	15.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.08	2.33		
SHEEP	DE	MCAL/KG *	2.76	3.09		
SWINE	DE	KCAL/KG *	2493.	2793.		
CATTLE	ME	MCAL/KG *	1.70	1.91		
SHEEP	ME	MCAL/KG *	2.26	2.53		
SWINE	ME	KCAL/KG *	2293.	2569.		
CATTLE	NE-M	MCAL/KG *	1.00	1.13		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-GAIN	MCAL/KG *	0.35	0.39		
CATTLE NE-LACTATION	MCAL/KG *	0.98	1.10		
CATTLE	TDN % *	47.1	52.8		
SHEEP	TDN % *	62.5	70.0		
SWINE	TDN % *	56.5	63.3		
CALCIUM	%	0.13	0.15	50	5
PHOSPHORUS	%	1.10	1.24	78	5

ORYZA SATIVA, BRAN W GERM W BROKEN GRAIN W POLISH, DEHY, (4)
RICE FEED (CFA)

REF NO 4-03-937

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.6	100.0	5	8
ORGANIC MATTER	%	(78.5)	(90.6)		
ASH	%	(8.1)	(9.4)	24	8
CRUDE FIBER	%	(5.2)	(6.0)	32	8
ETHER EXTRACT	%	(12.8)	(14.8)	18	8
NITROGEN FREE EXTRACT	%	(46.5)	(53.7)	5	8
PROTEIN	%	(14.0)	(16.1)	6	8
CATTLE DIG PROT	% *	(9.4)	(10.8)		
GOATS DIG PROT	% *	(10.4)	(12.0)		
HORSES DIG PROT	% *	(10.4)	(12.0)		
SHEEP DIG PROT	% *	(10.4)	(12.0)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(3.42)	(3.95)		
SHEEP DE	MCAL/KG *	(3.59)	(4.15)		
SWINE DE	KCAL/KG *	(3491.)	(4033.)		
CATTLE ME	MCAL/KG *	(2.80)	(3.24)		
SHEEP ME	MCAL/KG *	(2.95)	(3.40)		
SWINE ME	KCAL/KG *	(3237.)	(3740.)		
CATTLE NE-M	MCAL/KG *	(1.92)	(2.22)		
CATTLE NE-GAIN	MCAL/KG *	(1.25)	(1.45)		
CATTLE NE-LACTATION	MCAL/KG *	(2.05)	(2.37)		
CATTLE	TDN % *	(77.5)	(89.6)		
SHEEP	TDN % *	(81.5)	(94.2)		
SWINE	TDN % *	79.2	91.5		
PHOSPHORUS	%	3.51	4.06		1

ORYZA SATIVA, GRAIN, (4)

REF NO 4-10-395

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.6		
ASH	%		8.4	21	6
CRUDE FIBER	%		4.8	34	7
ETHER EXTRACT	%		16.0	22	7
NITROGEN FREE EXTRACT	%		58.8	12	6
PROTEIN	%		14.0	12	7
CATTLE DIG PROT	% *		8.8		
GOATS DIG PROT	% *		10.0		
HORSES DIG PROT	% *		10.0		
SHEEP DIG PROT	% *		10.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		4.41		
SHEEP DE	MCAL/KG *		4.21		
SWINE DE	KCAL/KG *		4125.		
CATTLE ME	MCAL/KG *		3.62		
SHEEP ME	MCAL/KG *		3.46		
SWINE ME	KCAL/KG *		3844.		
CATTLE NE-M	MCAL/KG *		2.69		
CATTLE NE-GAIN	MCAL/KG *		1.64		
CATTLE NE-LACTATION	MCAL/KG *		2.73		
CATTLE	TDN % *		100.1		
SHEEP	TDN % *		95.6		
SWINE	TDN % *		93.6		

ORYZA SATIVA, GRAIN, GRND, (4)

REF NO 4-13-299

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.6		
ASH	%		10.4		1
CRUDE FIBER	%		8.5		1
ETHER EXTRACT	%		17.8		1
NITROGEN FREE EXTRACT	%		46.5		1
PROTEIN	%		16.8		1
CATTLE DIG PROT	% *		11.4		
GOATS DIG PROT	% *		12.6		
HORSES DIG PROT	% *		12.6		
SHEEP DIG PROT	% *		12.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		4.00		
SWINE DE	KCAL/KG *		4109.		
CATTLE ME	MCAL/KG *		3.28		
SWINE ME	KCAL/KG *		3801.		
CATTLE NE-M	MCAL/KG *		2.27		
CATTLE NE-GAIN	MCAL/KG *		1.47		
CATTLE NE-LACTATION	MCAL/KG *		2.41		
CATTLE	TDN % *		90.8		
SWINE	TDN % *		93.1		

ORYZA SATIVA, GRAIN W HULLS, (4)
ROUGH RICE
PADDY RICE

REF NO 4-03-939

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.4	100.0	3	8
ORGANIC MATTER	%	80.0	89.5	54	2
ASH	%	7.1	7.9	54	10
CRUDE FIBER	%	8.5	9.5	24	9
ETHER EXTRACT	%	3.4	3.8	98	9
NITROGEN FREE EXTRACT	%	61.3	68.5	12	9
PROTEIN	%	9.2	10.2	29	10
CATTLE DIG PROT	% *	4.8	5.4		
GOATS DIG PROT	% *	5.9	6.6		
HORSES DIG PROT	% *	5.9	6.6		
SHEEP DIG PROT	% *	5.9	6.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.29	2.56		
SHEEP DE	MCAL/KG *	2.97	3.32		
SWINE DE	KCAL/KG *	2948.	3297.		
CATTLE ME	MCAL/KG *	1.88	2.10		
SHEEP ME	MCAL/KG *	2.44	2.73		
SWINE ME	KCAL/KG *	2769.	3096.		
CATTLE NE-M	MCAL/KG *	1.11	1.24		
CATTLE NE-GAIN	MCAL/KG *	0.53	0.59		
CATTLE NE-LACTATION	MCAL/KG *	1.15	1.28		
CATTLE	TDN % *	51.9	58.0		
SHEEP	TDN % *	67.4	75.4		
SWINE	TDN % *	66.9	74.8		
CALCIUM	%	0.37	0.41		3
COPPER	MG/KG	475.7	532.0		1
IRON	%	0.022	0.025		1
MAGNESIUM	%	0.21	0.24		1
MANGANESE	MG/KG	357.7	400.0		1
PHOSPHORUS	%	0.45	0.50		3
POTASSIUM	%	0.40	0.45		1
SODIUM	%	0.85	0.95		1
NIACIN	MG/KG	(43.2)	(48.3)		1

ORYZA SATIVA, GRAIN W HULLS, GRND, (4)
GROUND ROUGH RICE (AAFCO)
GROUND PADDY RICE (AAFCO)

REF NO 4-03-938

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(89.1)	(100.0)	2	6
ORGANIC MATTER	%	81.1	91.1		
ASH	%	8.0	8.9	29	4
CRUDE FIBER	%	7.4	8.4	25	4
ETHER EXTRACT	%	3.9	4.4	70	4
NITROGEN FREE EXTRACT	%	59.9	67.2	7	4
PROTEIN	%	9.9	11.1	15	4
CATTLE DIG PROT	% *	5.6	6.2		
GOATS DIG PROT	% *	6.6	7.4		
HORSES DIG PROT	% *	6.6	7.4		
SHEEP DIG PROT	% *	(6.6)	(7.4)		
PENTOSANS	%	5.4	6.1		1
FATTY ACIDS	%				
LINOLEIC	%	0.651	0.730		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.25	2.53		
SHEEP DE	MCAL/KG *	2.94	3.30		
SWINE DE	KCAL/KG *	2945.	3306.		
CATTLE ME	MCAL/KG *	1.85	2.07		
CHICKENS NE-M	KCAL/KG	2663.	2989.		1
SHEEP ME	MCAL/KG *	2.41	2.71		
SWINE ME	KCAL/KG *	2761.	3099.		
CATTLE NE-M	MCAL/KG *	1.09	1.22		
CATTLE NE-GAIN	MCAL/KG *	0.50	0.56		
CATTLE NE-LACTATION	MCAL/KG *	1.12	1.26		
CATTLE	TDN % *	51.1	57.3		
SHEEP	TDN % *	66.7	74.8		
SWINE	TDN % *	(66.8)	(75.0)		
CALCIUM	%	(0.08)	(0.08)	22	4
CHLORINE	%	(0.07)	(0.08)		2
MAGNESIUM	%	(0.10)	(0.11)		1
MANGANESE	MG/KG	(18.0)	(20.2)		1
PHOSPHORUS	%	(0.35)	(0.39)	10	4
CHICKENS, CHICKS AVAILABLE	%	(0.07)	(0.08)		2
POTASSIUM	%	(0.61)	(0.69)		2
SODIUM	%	(0.06)	(0.07)		1
SULPHUR	%	(0.05)	(0.06)		1
ZINC	MG/KG	(15.0)	(16.9)		1
A-TOCOPHEROL	MG/KG	(12.9)	(14.5)		2
BIOTIN	MG/KG	(0.04)	(0.04)		1
CHOLINE	MG/KG	(909.)	(1020.)		2
FOLIC ACID	MG/KG	(0.19)	(0.22)		2
NIACIN	MG/KG	(41.5)	(46.5)		5
PANTOTHENIC ACID	MG/KG	(7.2)	(8.0)		2
RIBOFLAVIN	MG/KG	(0.6)	(0.7)		2
ARGININE	%	(0.70)	(0.79)		2
CYSTINE	%	(0.10)	(0.11)		2
GLYCINE	%	(0.80)	(0.90)		2
HISTIDINE	%	(0.16)	(0.20)		1
ISOLEUCINE	%	(0.36)	(0.43)		1
LEUCINE	%	(0.60)	(0.67)		1
LYSINE	%	(0.30)	(0.34)		2

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
METHIONINE	%	(0.17)	(0.19)		2
PHENYLALANINE	%	(0.37)	(0.42)		1
THREONINE	%	(0.31)	(0.35)		1
TRYPTOPHAN	%	(0.11)	(0.12)		2
TYROSINE	%	(0.60)	(0.67)		1
VALINE	%	0.51	0.57		1

ORYZA SATIVA, GROATS, (4)
RICE GRAIN WITHOUT HULLS
RICE GRAIN, BROWN

REF NO 4-03-936

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.1	100.0	1	39
ORGANIC MATTER	%	84.0	95.3	74	5
ASH	%	4.1	4.7	74	44
CRUDE FIBER	%	3.2	3.6	98	44
ETHER EXTRACT	%	6.8	7.7	82	44
NITROGEN FREE EXTRACT	%	63.9	72.5	22	39
PROTEIN	%	10.1	11.5	32	44
CATTLE DIG PROT	% *	5.8	6.6		
GOATS DIG PROT	% *	6.9	7.8		
HORSES DIG PROT	% *	6.9	7.8		
SHEEP DIG PROT	% *	6.9	7.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	3.09	3.50		
SHEEP DE MCAL/KG	*	3.26	3.70		
SWINE DE KCAL/KG	*	3256.	3694.		
CATTLE ME MCAL/KG	*	2.53	2.87		
SHEEP ME MCAL/KG	*	2.67	3.03		
SWINE ME KCAL/KG	*	3050.	3460.		
CATTLE NE-M MCAL/KG	*	1.62	1.84		
CATTLE NE-GAIN MCAL/KG	*	1.08	1.22		
CATTLE NE-LACTATION MCAL/KG	*	1.78	2.02		
CATTLE TDN %	*	70.0	79.4		
SHEEP TDN %	*	73.9	83.8		
SWINE TDN %	*	73.8	83.8		
CALCIUM	%	0.24	0.28	98	16
COPPER	MG/KG	124.3	141.0	64	5
IRON	%	0.008	0.009	32	11
MAGNESIUM	%	0.14	0.15	98	5
MANGANESE	MG/KG	65.0	73.8	81	5
PHOSPHORUS	%	0.33	0.38	98	13
POTASSIUM	%	0.30	0.34	78	5
SODIUM	%	0.10	0.11	30	5
NIACIN	MG/KG	22.9	26.0	24	6
RIBOFLAVIN	MG/KG	0.5	0.5	36	5
THIAMINE	MG/KG	1.4	1.6	55	5
ALANINE	%	0.37	0.42		1
ARGININE	%	0.82	0.93		2
ASPARTIC ACID	%	0.41	0.47		1
CYSTINE	%	0.06	0.07		2
GLUTAMIC ACID	%	1.65	1.64		1
GLYCINE	%	0.30	0.34		1
HISTIDINE	%	0.16	0.19		2
ISOLEUCINE	%	0.28	0.32		2
LEUCINE	%	0.50	0.57		2
LYSINE	%	0.28	0.32		2
METHIONINE	%	0.10	0.12		2
PHENYLALANINE	%	0.30	0.34		2
PROLINE	%	0.20	0.23		1
SERINE	%	0.23	0.26		1
THREONINE	%	0.23	0.26		2
TRYPTOPHAN	%	0.15	0.18		2
TYROSINE	%	0.21	0.24		1
VALINE	%	0.41	0.47		2

ORYZA SATIVA, GROATS, GRND, (4)
GROUND BROWN RICE (AAFCO)
RICE GRAIN WITHOUT HULLS, GROUND

REF NO 4-03-935

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.2	100.0	2	27
ORGANIC MATTER	%	86.5	99.2	67	7
ASH	%	5.0	5.8	67	27
CRUDE FIBER	%	4.6	5.2	70	27
ETHER EXTRACT	%	5.4	6.2	83	27
NITROGEN FREE EXTRACT	%	60.3	69.1	21	27
PROTEIN	%	11.9	13.7	30	27
CATTLE DIG PROT	% *	7.5	8.6		
GOATS DIG PROT	% *	8.5	9.8		
HORSES DIG PROT	% *	8.5	9.8		
SHEEP DIG PROT	% *	8.5	9.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG	*	2.69	3.31		
SHEEP DE MCAL/KG	*	3.10	3.56		
SWINE DE KCAL/KG	*	3164.	3627.		
CATTLE ME MCAL/KG	*	2.37	2.72		
SHEEP ME MCAL/KG	*	2.54	2.92		
SWINE ME KCAL/KG	*	2950.	3382.		
CATTLE NE-M MCAL/KG	*	1.48	1.70		
CATTLE NE-GAIN MCAL/KG	*	0.97	1.18		
CATTLE NE-LACTATION MCAL/KG	*	1.63	1.87		
CATTLE TDN %	*	65.6	75.1		
SHEEP TDN %	*	70.4	80.7		
SWINE TDN %	*	71.8	82.3		
CALCIUM	%	0.13	0.15		3
IRON	%	0.003	0.003		3
PHOSPHORUS	%	0.17	0.20		3
NIACIN	MG/KG	22.7	26.0		3

ORYZA SATIVA, GROATS, POLISHED, (4)
RICE, WHITE, POLISHED

REF NO 4-03-942

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.1	100.0	3	16
ORGANIC MATTER	%	88.5	99.4	99	3
ASH	%	3.0	3.4	99	11
CRUDE FIBER	%	1.8	2.0	98	11
ETHER EXTRACT	%	4.1	4.6	98	11
NITROGEN FREE EXTRACT	%	71.1	79.8	20	11
PROTEIN	%	9.1	10.2	31	10
CATTLE DIG PROT	% *	4.8	5.4		
GOATS DIG PROT	% *	5.9	6.6		
HORSES DIG PROT	% *	5.9	6.6		
SHEEP DIG PROT	% *	(5.9)	(6.6)		
PENTOSANS	%	(1.4)	(1.6)		1
SUGARS, TOTAL	%	0.3	0.3		1
FATTY ACIDS	%				
LINOLEIC	%	0.200	0.225		1
ENERGY GE KCAL/KG		2656.	2983.		2
CATTLE DE MCAL/KG	*	3.02	3.39		
SHEEP DE MCAL/KG	*	3.58	4.02		
SWINE DE KCAL/KG	*	3298.	3704.		
CATTLE ME MCAL/KG	*	2.48	2.78		
CHICKENS ME-N KCAL/KG		3102.	3483.		1
SHEEP ME MCAL/KG	*	2.94	3.30		
SWINE ME KCAL/KG	*	3098.	3479.		
CATTLE NE-M MCAL/KG	*	1.56	1.75		
CATTLE NE-GAIN MCAL/KG	*	1.03	1.16		
CATTLE NE-LACTATION MCAL/KG	*	1.72	1.93		
CATTLE TDN %	*	68.5	76.9		
SHEEP TDN %	*	81.2	91.2		
SWINE TDN %	*	74.8	84.0		
CALCIUM	%	(0.13)	(0.14)	98	5
CHLORINE	%	0.04	0.04		2
COPPER	MG/KG	16.9	19.0		1
IRON	%	0.004	0.004	50	4
MAGNESIUM	%	0.04	0.04		1
MANGANESE	MG/KG	13.0	14.6		3
PHOSPHORUS	%	(0.12)	(0.13)	42	5
CHICKENS, CHICKS AVAILABLE	%	0.01	0.01		1
POTASSIUM	%	(0.09)	(0.10)	42	4
SODIUM	%	(0.04)	(0.05)		2
SULPHUR	%	(0.08)	(0.09)		1
ZINC	MG/KG	(2.0)	(2.2)		1
ZINC	%	(0.8)	(0.9)		1
A-TOCOPHEROL	MG/KG	(2.6)	(2.9)		2
CHOLINE	MG/KG	(656.)	(737.)		2
FOLIC ACID	MG/KG	0.15	0.17		1
NIACIN	MG/KG	(85.7)	(96.3)	98	5
PANTOTHENIC ACID	MG/KG	(2.9)	(3.3)		3
RIBOFLAVIN	MG/KG	(0.5)	(0.5)	44	6
THIAMINE	MG/KG	(0.5)	(0.6)	39	4
VITAMIN B6	MG/KG	0.29	0.32		2
ARGININE	%	(0.46)	(0.54)		3
CYSTINE	%	(0.09)	(0.11)		3
GLYCINE	%	(0.74)	(0.83)		3
HISTIDINE	%	(0.15)	(0.17)		2
ISOLEUCINE	%	(0.35)	(0.39)		2
LEUCINE	%	(0.58)	(0.65)		2
LYSINE	%	(0.27)	(0.31)		3
METHIONINE	%	0.22	0.24	38	4
PHENYLALANINE	%	0.41	0.46		2
THREONINE	%	0.28	0.31		2
TRYPTOPHAN	%	(0.27)	(0.30)	98	6
TYROSINE	%	0.62	0.70		2
VALINE	%	0.45	0.50		3

ORYZA SATIVA, GROATS, POLISHED AND BROKEN, (4)
CHIPPED RICE (AAFCO)
BROKEN RICE (AAFCO)
BREWERS RICE (AAFCO)

REF NO 4-03-932

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.3	100.0		3
ORGANIC MATTER	%	86.3	98.8		1
ASH	%	1.0	1.2		1
CRUDE FIBER	%	1.2	1.4		3
ETHER EXTRACT	%	1.7	1.9		3
NITROGEN FREE EXTRACT	%	74.5	85.3		1
PROTEIN	%	8.9	10.2		3
CATTLE DIG PROT	% *	4.7	5.4		
GOATS DIG PROT	% *	5.8	6.6		
HORSES DIG PROT	% *	5.8	6.6		
SHEEP DIG PROT	% *	5.8	6.6		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG	*	3.40	3.89		
SWINE DE KCAL/KG	*	3357.	3844.		
SHEEP ME MCAL/KG	*	2.78	3.19		
SWINE ME KCAL/KG	*	3153.	3610.		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		TDN % *	77.0	88.2		
SWINE		TDN % *	76.1	87.2		
CALCIUM		%	0.04	0.05		1
IRON		%	0.003	0.004		1
PHOSPHORUS		%	0.23	0.26		1

ORYZA SATIVA, POLISHED RICE BY-PRODUCT, DEHY, MX 32% FIBER, (4)
RICE MILL BY-PRODUCT (AAFCO)

REF NO 4-03-941

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.2	100.0		1
ORGANIC MATTER		%	79.6	87.3		
ASH		%	11.6	12.7		1
CRUDE FIBER		%	7.4	8.1		1
ETHER EXTRACT		%	11.8	12.9		1
NITROGEN FREE EXTRACT		%	36.9	40.5		
PROTEIN		%	23.5	25.8		1
CATTLE	DIG PROT	% *	17.9	19.7		
GOATS	DIG PROT	% *	19.0	20.8		
HORSES	DIG PROT	% *	19.0	20.8		
SHEEP	DIG PROT	% *	19.0	20.8		
ENERGY	GE KCAL/KG					
SHEEP	DE KCAL/KG	*	3.86	4.23		
SHEEP	ME KCAL/KG	*	3.16	3.47		
SHEEP	TDN	% *	87.5	95.9		

ORYZA SATIVA, POLISHINGS, DEHY, (4)
RICE POLISH (CFA)
RICE POLISHINGS (AAFCO)

REF NO 4-03-943

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.3	100.0	2	60
ORGANIC MATTER		%	(82.3)	(92.1)	45	20
ASH		%	(8.3)	(9.3)	45	74
SHEEP	DIG COEF	%	(17.)	(17.)		
CRUDE FIBER		%	(5.7)	(6.4)	39	71
CATTLE	DIG COEF	%	(22.)	(22.)		1
SHEEP	DIG COEF	%	(37.)	(37.)		1
SWINE	DIG COEF	%	(44.)	(44.)		2
ETHER EXTRACT		%	(14.7)	(16.4)	24	75
CATTLE	DIG COEF	%	(73.)	(73.)		1
SHEEP	DIG COEF	%	(88.)	(88.)		1
SWINE	DIG COEF	%	(88.)	(88.)		2
NITROGEN FREE EXTRACT		%	(47.6)	(53.4)	15	60
CATTLE	DIG COEF	%	(93.)	(93.)		1
SHEEP	DIG COEF	%	(87.)	(87.)		1
SWINE	DIG COEF	%	(93.)	(93.)		2
PROTEIN		%	(12.9)	(14.5)	15	82
CATTLE	DIG COEF	%	(66.)	(66.)		1
SHEEP	DIG COEF	%	(78.)	(78.)		1
SWINE	DIG COEF	%	(83.)	(83.)		2
CATTLE	DIG PROT	%	(8.5)	(9.6)		
GOATS	DIG PROT	% *	(9.4)	(10.5)		
HORSES	DIG PROT	% *	(9.4)	(10.5)		
SHEEP	DIG PROT	%	(10.1)	(11.3)		
SWINE	DIG PROT	%	(10.7)	(12.0)		
PENTOSANS		%	(3.8)	(4.2)		1
FATTY ACIDS		%				
LINOLEIC		%	(3.572)	(4.000)		1
ENERGY	GE KCAL/KG		(2623.)	(2938.)		1
CATTLE	DE MCAL/KG	*	(3.45)	(3.86)		
SHEEP	DE MCAL/KG	*	(3.65)	(4.08)		
SWINE	DE KCAL/KG	*	(3808.)	(4264.)		
CATTLE	ME MCAL/KG	*	(2.83)	(3.17)		
CHICKENS	ME-N KCAL/KG		(3059.)	(3426.)		2
SHEEP	ME MCAL/KG	*	(2.99)	(3.35)		
SWINE	ME KCAL/KG		(2983.)	(3341.)		1
CATTLE	NE-M MCAL/KG	*	(1.91)	(2.14)		
CATTLE	NE-GAIN MCAL/KG	*	(1.26)	(1.41)		
CATTLE	NE-LACTATION MCAL/KG	*	(2.05)	(2.30)		
CHICKENS	PRODUCTIVE KCAL/KG		(2078.)	(2327.)		1
CATTLE	TDN	%	(78.2)	(87.6)		1
SHEEP	TDN	%	(82.7)	(92.6)		1
SWINE	TDN	%	86.4	96.7		3
CALCIUM		%	(0.20)	(0.23)	50	26
CHLORINE		%	0.11	0.12		3
IRON		%	(0.010)	(0.012)	33	11
MAGNESIUM		%	0.65	0.72		3
PHOSPHORUS		%	(0.56)	(0.63)	98	25
CHICKENS, CHICKS AVAILABLE		%	(0.16)	(0.18)		1
POTASSIUM		%	(1.06)	(1.18)	18	5
SODIUM		%	(0.10)	(0.11)	20	4
SULPHUR		%	(0.17)	(0.19)		2
A-TOCOPHERO-		MG/KG	(89.1)	(99.8)		2
BETAINE		%	(0.003)	(0.003)		1
BIOTIN		MG/KG	(0.61)	(0.68)	1	4
CHOLINE		MG/KG	1224.	1371.	11	4
NIACIN		MG/KG	(480.6)	(538.3)	36	5
PANTOTHENIC ACID		MG/KG	(46.6)	(52.0)	40	4
RIBOFLAVIN		MG/KG	(1.8)	(2.0)	5	5
THIAMINE		MG/KG	(19.6)	(22.0)	5	4
VITAMIN B6		MG/KG	27.59	30.90		1
ARGININE		%	(0.87)	(0.97)	37	8
CYSTINE		%	(0.19)	(0.21)	67	4
GLYCINE		%	(0.71)	(0.79)		2
HISTIDINE		%	0.26	0.29	66	5
ISOLEUCINE		%	0.39	0.44	29	4
LEUCINE		%	(0.67)	(0.75)		3
LYSINE		%	0.55	0.62	16	5
METHIONINE		%	(0.22)	(0.25)		3
PHENYLALANINE		%	(0.44)	(0.50)	40	4
THREONINE		%	0.40	0.45	27	5
TRYPTOPHAN		%	(0.14)	(0.15)	31	5
TYROSINE		%	0.63	0.70		1
VALINE		%	0.70	0.78		3

ORYZA SATIVA, POLISHINGS, MECH EXTD, (4)

REF NO 4-13-300

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.1	100.0		2
ORGANIC MATTER		%	83.4	91.6		
ASH		%	7.7	8.4		2
CRUDE FIBER		%	3.7	4.0		2
ETHER EXTRACT		%	7.0	7.7		2
NITROGEN FREE EXTRACT		%	58.8	64.6		2
PROTEIN		%	13.9	15.2		2
CATTLE	DIG PROT	% *	9.1	10.0		
GOATS	DIG PROT	% *	10.2	11.2		
HORSES	DIG PROT	% *	10.2	11.2		
SHEEP	DIG PROT	% *	10.2	11.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.00	3.30		
SHEEP	DE MCAL/KG	*	3.23	3.55		
SWINE	DE KCAL/KG	*	3355.	3685.		
CATTLE	ME MCAL/KG	*	2.46	2.70		
SHEEP	ME MCAL/KG	*	2.65	2.91		
SWINE	ME KCAL/KG	*	3118.	3424.		
CATTLE	NE-M MCAL/KG	*	1.54	1.69		
CATTLE	NE-GAIN MCAL/KG	*	1.01	1.11		
CATTLE	NE-LACTATION MCAL/KG	*	1.69	1.86		
CATTLE	TDN	% *	68.1	74.8		
SHEEP	TDN	% *	73.3	80.5		
SWINE	TDN	% *	76.1	83.6		
CALCIUM		%	0.28	0.30		1

ORYZA SATIVA, GERM, (5)

REF NO 5-09-905

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.7		
ASH		%		7.3		1
CRUDE FIBER		%		10.4		2
ETHER EXTRACT		%		16.8		2
NITROGEN FREE EXTRACT		%		47.4		1
PROTEIN		%		18.1		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.70		
SHEEP	DE MCAL/KG	*		4.05		
CATTLE	ME MCAL/KG	*		2.22		
SHEEP	ME MCAL/KG	*		3.32		
CATTLE	NE-M MCAL/KG	*		1.32		
CATTLE	NE-GAIN MCAL/KG	*		0.70		
CATTLE	NE-LACTATION MCAL/KG	*		1.40		
CATTLE	TDN	% *		61.3		
SHEEP	TDN	% *		91.8		

ORYZA SATIVA, GERM, MECH EXTD, (5)

REF NO 5-13-297

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.8	100.0		3
ORGANIC MATTER		%	86.1	94.9	36	1
ASH		%	5.9	6.5	36	6
CRUDE FIBER		%	4.0	4.5	91	4
ETHER EXTRACT		%	7.7	8.5	20	6
NITROGEN FREE EXTRACT		%	44.1	48.6	18	4
PROTEIN		%	29.0	31.9	43	6
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.35	3.69		
SHEEP	DE MCAL/KG	*	3.66	4.03		
CATTLE	ME MCAL/KG	*	2.75	3.02		
SHEEP	ME MCAL/KG	*	3.00	3.30		
CATTLE	NE-M MCAL/KG	*	1.80	1.99		
CATTLE	NE-GAIN MCAL/KG	*	1.20	1.32		
CATTLE	NE-LACTATION MCAL/KG	*	1.97	2.17		
CATTLE	TDN	% *	75.9	83.7		
SHEEP	TDN	% *	82.9	91.4		
CALCIUM		%	0.48	0.52		2
COPPER		MG/KG	183.3	202.0		1
IRON		%	0.015	0.017		1
MAGNESIUM		%	0.34	0.38		1
MANGANESE		MG/KG	13.6	15.0		1
PHOSPHORUS		%	0.87	0.96		2
POTASSIUM		%	0.73	0.80		1
SODIUM		%	0.14	0.15		1

ORYZOPSIS HOLCIFORMIS, RICEGRASS, HOLCIFORMIS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
ORYZOPSIS HOLCIFORMIS HULCIFORMIS, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)					
REF NO 2-17-615					
DRY MATTER		%	30.3	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	77.	77.	1
ORGANIC MATTER		%	27.3	90.0	
ASH		%	3.0	10.0	1
PROTEIN		%	7.2	23.9	1
CATTLE	DIG PROT	% *	5.5	18.2	
GOATS	DIG PROT	% *	5.7	18.9	
HORSES	DIG PROT	% *	5.4	17.8	
RABBITS	DIG PROT	% *	5.2	17.1	
SHEEP	DIG PROT	% *	5.8	19.3	
ORYZOPSIS HOLCIFORMIS HULCIFORMIS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-17-614					
DRY MATTER		%	32.4	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.	1
ORGANIC MATTER		%	29.2	90.1	
ASH		%	3.2	9.9	1
PROTEIN		%	4.9	15.0	1
CATTLE	DIG PROT	% *	3.4	10.6	
GOATS	DIG PROT	% *	3.4	10.6	
HORSES	DIG PROT	% *	3.3	10.3	
RABBITS	DIG PROT	% *	3.3	10.3	
SHEEP	DIG PROT	% *	3.6	11.0	
ORYZOPSIS HOLCIFORMIS HULCIFORMIS, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-613					
DRY MATTER		%	32.8	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	61.	61.	1
ORGANIC MATTER		%	30.0	91.5	
ASH		%	2.8	8.5	1
PROTEIN		%	3.4	10.5	1
CATTLE	DIG PROT	% *	2.2	6.8	
GOATS	DIG PROT	% *	2.1	6.4	
HORSES	DIG PROT	% *	2.1	6.4	
RABBITS	DIG PROT	% *	2.2	6.8	
SHEEP	DIG PROT	% *	2.2	6.8	
ORYZOPSIS HOLCIFORMIS HULCIFORMIS, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-17-612					
DRY MATTER		%	44.4	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	59.	59.	1
ORGANIC MATTER		%	40.1	90.3	
ASH		%	4.3	9.7	1
PROTEIN		%	5.7	12.9	1
CATTLE	DIG PROT	% *	3.9	8.9	
GOATS	DIG PROT	% *	3.8	8.6	
HORSES	DIG PROT	% *	3.8	8.5	
RABBITS	DIG PROT	% *	3.8	8.6	
SHEEP	DIG PROT	% *	4.0	9.0	
OXALIS CORDOBENIS					
OXALIS CORDOBENIS CORDOBENIS, AERIAL PART, FRESH, (2)					
REF NO 2-11-913					
DRY MATTER		%	32.5	100.0	1
ORGANIC MATTER		%	26.1	80.4	
ASH		%	6.4	19.6	1
CRUDE FIBER		%	9.3	28.7	1
ETHER EXTRACT		%	0.8	2.4	1
NITROGEN FREE EXTRACT		%	12.5	38.4	1
PROTEIN		%	3.5	10.9	1
CATTLE	DIG PROT	% *	2.3	7.2	
GOATS	DIG PROT	% *	2.2	6.7	
HORSES	DIG PROT	% *	2.2	6.8	
RABBITS	DIG PROT	% *	2.3	7.1	
SHEEP	DIG PROT	% *	2.3	7.1	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.71	2.20	
SHEEP	DE MCAL/KG	*	0.78	2.40	
CATTLE	ME MCAL/KG	*	0.59	1.80	
SHEEP	ME MCAL/KG	*	0.64	1.97	
CATTLE	NE-M MCAL/KG	*	0.35	1.07	
CATTLE	NE-GAIN MCAL/KG	*	0.09	0.27	
CATTLE	NE-LACTATION MCAL/KG	*	0.32	1.00	
CATTLE	TDN	% *	16.2	49.8	
SHEEP	TDN	% *	17.7	54.4	
OXALIS CRENATA, OXALIS, OKA					
OXALIS CRENATA OKA, ROOTS, COOKED, (4)					
REF NO 4-13-450					
DRY MATTER		%	19.7	100.0	1
ORGANIC MATTER		%	19.1	97.0	
ASH		%	0.6	3.0	1
CRUDE FIBER		%	0.7	3.6	1
ETHER EXTRACT		%	0.5	2.5	1
NITROGEN FREE EXTRACT		%	16.6	84.3	
PROTEIN		%	1.3	6.6	1
CATTLE	DIG PROT	% *	0.4	2.1	
GOATS	DIG PROT	% *	0.6	3.3	
HORSES	DIG PROT	% *	0.6	3.3	
SHEEP	DIG PROT	% *	0.6	3.3	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.65	3.29	
SHEEP	DE MCAL/KG	*	0.74	3.76	
SWINE	DE KCAL/KG	*	743.	3773.	
CATTLE	ME MCAL/KG	*	0.53	2.70	
SHEEP	ME MCAL/KG	*	0.61	3.08	
SWINE	ME KCAL/KG	*	704.	3572.	
CATTLE	NE-M MCAL/KG	*	0.33	1.68	
CATTLE	NE-GAIN MCAL/KG	*	0.22	1.10	
CATTLE	NE-LACTATION MCAL/KG	*	0.36	1.85	
CATTLE	TDN	% *	14.7	74.6	
SHEEP	TDN	% *	16.8	85.3	
SWINE	TDN	% *	16.9	85.6	
CALCIUM		%	0.01	0.05	1
IRON		%	0.001	0.005	1
PHOSPHORUS		%	0.03	0.15	1
ASCORBIC ACID		MG/KG	390.0	1979.7	1
NIACIN		MG/KG	3.9	19.8	1
RIBOFLAVIN		MG/KG	0.9	4.6	1
THIAMINE		MG/KG	0.5	2.5	1
VITAMIN A EQUIV		IU/G	20.7	104.9	
OXALIS CRENATA OKA, ROOTS, DEHY, (4)					
REF NO 4-13-451					
DRY MATTER		%	86.5	100.0	1
ORGANIC MATTER		%	84.9	98.2	
ASH		%	1.6	1.8	1
CRUDE FIBER		%	3.1	3.6	1
ETHER EXTRACT		%	0.4	0.5	1
NITROGEN FREE EXTRACT		%	78.9	91.2	
PROTEIN		%	2.5	2.9	1
CATTLE	DIG PROT	% *	-1.1	-1.3	
GOATS	DIG PROT	% *	-0.1	-0.1	
HORSES	DIG PROT	% *	-0.1	-0.1	
SHEEP	DIG PROT	% *	-0.1	-0.1	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	3.29	3.81	
SWINE	DE KCAL/KG	*	3532.	4083.	
SHEEP	ME MCAL/KG	*	2.70	3.12	
SWINE	ME KCAL/KG	*	3370.	3896.	
SHEEP	TDN	% *	74.7	86.4	
SWINE	TDN	% *	80.1	92.6	
CALCIUM		%	0.06	0.07	1
IRON		%	0.004	0.005	1
PHOSPHORUS		%	0.05	0.06	1
ASCORBIC ACID		MG/KG	180.0	208.1	1
NIACIN		MG/KG	4.5	5.2	1
RIBOFLAVIN		MG/KG	1.8	2.1	1
THIAMINE		MG/KG	0.6	0.7	1
VITAMIN A EQUIV		IU/G	12.0	13.9	
OYSTER SHELL FLOUR (AAFCO) =SEE CRASSOSTREA SPP, OSTREA SPP, SHELLS, FINE GRND, MN 33% CALCIUM, (6)					
PACHYRHIZUS AHIPA, YAMBEAN, AHIPA					
PACHYRHIZUS AHIPA AHIPA, ROOTS W/O PEELINGS, FRESH, (4)					
REF NO 4-13-320					
DRY MATTER		%	34.2	100.0	1
ORGANIC MATTER		%	34.0	99.4	
ASH		%	0.2	0.6	1
CRUDE FIBER		%	2.4	7.0	1
ETHER EXTRACT		%	0.3	0.9	1
NITROGEN FREE EXTRACT		%	29.2	85.4	
PROTEIN		%	2.1	6.1	1
CATTLE	DIG PROT	% *	0.6	1.7	
GOATS	DIG PROT	% *	1.0	2.9	
HORSES	DIG PROT	% *	1.0	2.9	
SHEEP	DIG PROT	% *	1.0	2.9	
ENERGY	GE KCAL/KG				

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DE MCAL/KG *	1.28	3.74		
SHEEP	DE MCAL/KG *	1.30	3.79		
SWINE	DE KCAL/KG *	1367.	3998.		
CATTLE	ME MCAL/KG *	1.05	3.07		
SHEEP	ME MCAL/KG *	1.06	3.11		
SWINE	ME KCAL/KG *	1296.	3788.		
CATTLE	NE-M MCAL/KG *	0.69	2.03		
CATTLE	NE-GAIN MCAL/KG *	0.46	1.35		
CATTLE	NE-LACTATION MCAL/KG *	0.75	2.20		
CATTLE	TDN % *	29.0	84.8		
SHEEP	TDN % *	29.4	86.0		
SWINE	TDN % *	31.0	90.7		
CALCIUM	%	0.03	0.09		1
IRON	%	0.001	0.003		1
PHOSPHORUS	%	0.03	0.09		1
ASCORBIC ACID	MG/KG	79.5	232.5		1
NIACIN	MG/KG	7.3	21.3		1
RIBOFLAVIN	MG/KG	0.7	2.0		1
THIAMINE	MG/KG	0.4	1.2		1

PADDY RICE
*SEE ORYZA SATIVA, GRAIN W HULLS, (4)

PANDALUS SPP, PENAEUS SPP, SHRIMP

PANDALUS SPP, PENAEUS SPP, PROCESS RESIDUE, DEHY GRND, (5)

REF NO 5-13-541

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.3	100.0	6	16
ORGANIC MATTER	%	58.7	66.5	22	10
ASH	%	29.0	32.9	22	16
CRUDE FIBER	%	14.7	16.7	27	6
ETHER EXTRACT	%	2.5	2.8	58	16
NITROGEN FREE EXTRACT	%	3.3	3.7	62	16
PROTEIN	%	38.7	43.9	13	16
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	1.52	1.73		
SHEEP	ME MCAL/KG *	1.25	1.42		
SHEEP	TDN % *	34.6	39.1		
CALCIUM	%	7.55	8.55	60	13
IRON	%	0.088	0.099	46	9
PHOSPHORUS	%	1.98	2.24	98	13
ARGININE	%	4.95	5.61		1
CYSTINE	%	0.90	1.02		1
HISTIDINE	%	1.07	1.21		1
ISOLEUCINE	%	3.96	4.48		1
LEUCINE	%	1.18	1.34		1
LYSINE	%	3.81	4.32		1
METHIONINE	%	0.66	0.75		1
PHENYLALANINE	%	3.02	3.42		1
THREONINE	%	2.46	2.[illegible]		1
TRYPTOPHAN	%	0.52	0.59		1
TYROSINE	%	1.23	1.40		1
VALINE	%	3.59	4.06		1

PANDALUS SPP, PENAEUS SPP, PROCESS RESIDUE, DEHY GRND, SALT DECLARED ABOVE 38 MX 7%, (5)
SHRIMP MEAL (AAFCO)

REF NO 5-04-226

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	77.2	100.0		2
ORGANIC MATTER	%	53.2	68.9		
ASH	%	24.0	31.1		2
CRUDE FIBER	%	8.5	11.0		2
ETHER EXTRACT	%	3.3	4.3		2
NITROGEN FREE EXTRACT	%	6.4	8.3		2
PROTEIN	%	35.0	45.4		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.03	1.33		
SHEEP	DE MCAL/KG *	1.52	1.97		
CATTLE	ME MCAL/KG *	0.84	1.09		
SHEEP	ME MCAL/KG *	1.25	1.61		
CATTLE	NE-M MCAL/KG *	0.57	0.74		
CATTLE	NE-GAIN MCAL/KG *	-0.56	-0.72		
CATTLE	NE-LACTATION MCAL/KG *	0.25	0.32		
CATTLE	TDN % *	23.1	30.1		
SHEEP	TDN % *	34.5	44.7		

PANICUM ALTISSIMUN

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, DEHY GRND, (1)

REF NO 1-11-045

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	93.8	100.0		1
CRUDE FIBER	%	25.9	27.6		1
ETHER EXTRACT	%	2.4	2.6		1
VITAMIN A EQUIV	IU/G	101.4	108.1		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, (2)

REF NO 2-11-046

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.4	100.0	16	5
ORGANIC MATTER	%	24.2	88.3	10	5
ASH	%	3.2	11.7	10	5
CRUDE FIBER	%	10.8	39.5	10	5
ETHER EXTRACT	%	0.7	2.4	33	5
NITROGEN FREE EXTRACT	%	10.3	37.7	4	5
PROTEIN	%	2.4	8.7	34	5
CATTLE	DIG PROT % *	1.4	5.2		
GOATS	DIG PROT % *	1.3	4.6		
HORSES	DIG PROT % *	1.3	4.9		
RABBITS	DIG PROT % *	1.5	5.4		
SHEEP	DIG PROT % *	1.4	5.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.58	2.12		
SHEEP	DE MCAL/KG *	0.67	2.44		
CATTLE	ME MCAL/KG *	0.48	1.74		
SHEEP	ME MCAL/KG *	0.55	2.00		
CATTLE	NE-M MCAL/KG *	0.28	1.03		
CATTLE	NE-GAIN MCAL/KG *	0.05	0.20		
CATTLE	NE-LACTATION MCAL/KG *	0.26	0.94		
CATTLE	TDN % *	13.2	48.1		
SHEEP	TDN % *	15.2	55.3		
CALCIUM	%	0.05	0.19	52	4
IRON	%	0.002	0.009	98	4
PHOSPHORUS	%	0.05	0.19	16	4
VITAMIN A EQUIV	IU/G	7.1	26.1		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-11-047

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.8	100.0	21	4
ORGANIC MATTER	%	14.8	88.3	6	4
ASH	%	2.0	11.7	6	4
CRUDE FIBER	%	4.7	27.9	8	4
ETHER EXTRACT	%	0.9	5.1	6	4
NITROGEN FREE EXTRACT	%	6.7	40.2	3	4
PROTEIN	%	2.5	15.1	10	4
CATTLE	DIG PROT % *	1.8	10.7		
GOATS	DIG PROT % *	1.8	10.7		
HORSES	DIG PROT % *	1.7	10.4		
RABBITS	DIG PROT % *	1.7	10.3		
SHEEP	DIG PROT % *	1.9	11.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.49	2.90		
SHEEP	DE MCAL/KG *	0.47	2.78		
CATTLE	ME MCAL/KG *	0.40	2.38		
SHEEP	ME MCAL/KG *	0.38	2.28		
CATTLE	NE-M MCAL/KG *	0.24	1.43		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.85		
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.55		
CATTLE	TDN % *	11.0	65.8		
SHEEP	TDN % *	10.6	63.0		
CALCIUM	%	0.08	0.46	11	4
IRON	%	0.003	0.017	29	4
PHOSPHORUS	%	0.07	0.42	19	4
VITAMIN A EQUIV	IU/G	86.5	515.6		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-11-048

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.0	100.0	10	4
ORGANIC MATTER	%	20.1	87.5	3	4
ASH	%	2.9	12.5	3	4
CRUDE FIBER	%	9.1	39.5	3	4
ETHER EXTRACT	%	0.8	3.3	2	4
NITROGEN FREE EXTRACT	%	8.0	34.8	3	4
PROTEIN	%	2.3	9.8	10	4
CATTLE	DIG PROT % *	1.4	6.2		
GOATS	DIG PROT % *	1.3	5.7		
HORSES	DIG PROT % *	1.3	5.9		
RABBITS	DIG PROT % *	1.4	6.2		
SHEEP	DIG PROT % *	1.4	6.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.45	1.98		
SHEEP	DE MCAL/KG *	0.58	2.50		
CATTLE	ME MCAL/KG *	0.37	1.62		
SHEEP	ME MCAL/KG *	0.47	2.05		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-M	MCAL/KG *	0.22	0.97		
CATTLE NE-GAIN	MCAL/KG *	0.01	0.05		
CATTLE NE-LACTATION	MCAL/KG *	0.19	0.83		
CATTLE	TDN % *	10.3	44.8		
SHEEP	TDN % *	13.0	56.7		
CALCIUM	%	0.09	0.37	16	4
IRON	%	0.002	0.007	40	4
PHOSPHORUS	%	0.09	0.38	11	4
VITAMIN A EQUIV	IU/G	58.5	254.5		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 3, (2)

REF NO 2-11-049

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0	9	4
ORGANIC MATTER	%	22.2	89.1	9	4
ASH	%	2.7	10.9	9	4
CRUDE FIBER	%	8.4	33.7	3	4
ETHER EXTRACT	%	1.0	3.9	6	4
NITROGEN FREE EXTRACT	%	9.1	36.4	2	4
PROTEIN	%	3.8	15.1	9	4
CATTLE DIG PROT	% *	2.7	10.7		
GOATS DIG PROT	% *	2.7	10.7		
HORSES DIG PROT	% *	2.6	10.4		
RABBITS DIG PROT	% *	2.6	10.3		
SHEEP DIG PROT	% *	2.8	11.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.60	2.39		
SHEEP DE	MCAL/KG *	0.67	2.70		
CATTLE ME	MCAL/KG *	0.49	1.96		
SHEEP ME	MCAL/KG *	0.55	2.21		
CATTLE NE-M	MCAL/KG *	0.29	1.15		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.44		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.15		
CATTLE	TDN % *	13.5	54.2		
SHEEP	TDN % *	15.3	61.2		
CALCIUM	%	0.12	0.48	5	4
IRON	%	0.002	0.006	36	4
PHOSPHORUS	%	0.09	0.38	10	4
VITAMIN A EQUIV	IU/G	59.0	236.5		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-050

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.2	100.0	6	4
ORGANIC MATTER	%	18.9	89.5	13	4
ASH	%	2.2	10.5	13	4
CRUDE FIBER	%	7.9	37.3		4
ETHER EXTRACT	%	0.8	3.6	10	4
NITROGEN FREE EXTRACT	%	7.7	36.2	4	4
PROTEIN	%	2.6	12.4	18	4
CATTLE DIG PROT	% *	1.8	8.4		
GOATS DIG PROT	% *	1.7	8.1		
HORSES DIG PROT	% *	1.7	8.1		
RABBITS DIG PROT	% *	1.7	8.2		
SHEEP DIG PROT	% *	1.8	8.6		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.47	2.20		
SHEEP DE	MCAL/KG *	0.55	2.61		
CATTLE ME	MCAL/KG *	0.38	1.80		
SHEEP ME	MCAL/KG *	0.45	2.14		
CATTLE NE-M	MCAL/KG *	0.23	1.07		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.27		
CATTLE NE-LACTATION	MCAL/KG *	0.21	1.00		
CATTLE	TDN % *	10.6	49.9		
SHEEP	TDN % *	12.5	59.2		
CALCIUM	%	0.08	0.40	21	4
PHOSPHORUS	%	0.08	0.38	14	4
VITAMIN A EQUIV	IU/G	43.6	206.3		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 5, (2)

REF NO 2-11-051

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.6	100.0		3
ORGANIC MATTER	%	24.2	90.8		3
ASH	%	2.4	9.2		3
CRUDE FIBER	%	8.7	32.8		3
ETHER EXTRACT	%	0.9	3.3		3
NITROGEN FREE EXTRACT	%	12.1	45.5		3
PROTEIN	%	2.5	9.2		3
CATTLE DIG PROT	% *	1.5	5.7		
GOATS DIG PROT	% *	1.4	5.2		
HORSES DIG PROT	% *	1.4	5.4		
RABBITS DIG PROT	% *	1.5	5.8		
SHEEP DIG PROT	% *	1.5	5.6		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.66	2.49		
SHEEP DE	MCAL/KG *	0.69	2.59		
CATTLE ME	MCAL/KG *	0.54	2.04		
SHEEP ME	MCAL/KG *	0.57	2.18		
CATTLE NE-M	MCAL/KG *	0.32	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.53		
CATTLE NE-LACTATION	MCAL/KG *	0.33	1.23		
CATTLE	TDN % *	15.1	56.5		
SHEEP	TDN % *	15.6	58.8		
CALCIUM	%	0.08	0.32		3
PHOSPHORUS	%	0.07	0.25		3
VITAMIN A EQUIV	IU/G	43.0	161.3		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 6, (2)

REF NO 2-11-319

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.2	100.0	14	4
ORGANIC MATTER	%	20.6	73.0	68	4
ASH	%	7.6	27.0	48	4
CRUDE FIBER	%	20.5	72.5	67	4
ETHER EXTRACT	%	2.2	7.9	64	4
NITROGEN FREE EXTRACT	%	-8.2	-29.0	65	4
PROTEIN	%	6.1	21.6	71	4
CATTLE DIG PROT	% *	4.6	16.3		
GOATS DIG PROT	% *	4.7	16.7		
HORSES DIG PROT	% *	4.5	15.9		
RABBITS DIG PROT	% *	4.3	15.4		
SHEEP DIG PROT	% *	4.8	17.1		
CALCIUM	%	0.20	0.72	66	4
PHOSPHORUS	%	0.16	0.57	61	4
VITAMIN A EQUIV	IU/G	145.7	516.1		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 7, (2)

REF NO 2-11-320

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.2	100.0	7	4
ORGANIC MATTER	%	20.6	85.4	5	4
ASH	%	3.5	14.6	5	4
CRUDE FIBER	%	8.0	33.3	5	4
ETHER EXTRACT	%	0.7	2.9	3	4
NITROGEN FREE EXTRACT	%	10.0	41.3	2	4
PROTEIN	%	1.9	7.8	11	4
CATTLE DIG PROT	% *	1.1	4.6		
GOATS DIG PROT	% *	0.9	3.9		
HORSES DIG PROT	% *	1.0	4.2		
RABBITS DIG PROT	% *	1.1	4.7		
SHEEP DIG PROT	% *	1.0	4.3		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.52	2.15		
SHEEP DE	MCAL/KG *	0.59	2.44		
CATTLE ME	MCAL/KG *	0.42	1.76		
SHEEP ME	MCAL/KG *	0.48	2.00		
CATTLE NE-M	MCAL/KG *	0.25	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.05	0.22		
CATTLE NE-LACTATION	MCAL/KG *	0.23	0.96		
CATTLE	TDN % *	11.8	48.7		
SHEEP	TDN % *	13.4	55.3		
CALCIUM	%	0.10	0.42	6	4
PHOSPHORUS	%	0.10	0.41	16	4
VITAMIN A EQUIV	IU/G	44.5	184.1		

PANICUM ALTISSIMUN ALTISSIMUN, AERIAL PART, FRESH, CUT 8, (2)

REF NO 2-11-321

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.6	100.0	12	4
ORGANIC MATTER	%	26.2	85.8	7	4
ASH	%	4.3	14.2	7	4
CRUDE FIBER	%	8.6	28.3	5	4
ETHER EXTRACT	%	1.0	3.4	3	4
NITROGEN FREE EXTRACT	%	12.6	41.1		4
PROTEIN	%	4.0	13.0	17	4
CATTLE DIG PROT	% *	2.7	9.0		
GOATS DIG PROT	% *	2.7	8.7		
HORSES DIG PROT	% *	2.6	8.6		
RABBITS DIG PROT	% *	2.7	8.7		
SHEEP DIG PROT	% *	2.8	9.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.75	2.46		
SHEEP DE	MCAL/KG *	0.80	2.61		
CATTLE ME	MCAL/KG *	0.62	2.02		
SHEEP ME	MCAL/KG *	0.65	2.14		
CATTLE NE-M	MCAL/KG *	0.36	1.19		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.51		
CATTLE NE-LACTATION	MCAL/KG *	0.37	1.21		
CATTLE	TDN % *	17.0	55.8		
SHEEP	TDN % *	18.1	59.2		
CALCIUM	%	0.13	0.44		3
PHOSPHORUS	%	0.11	0.35	8	4
VITAMIN A EQUIV	IU/G	120.7	395.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM ALTISSIMUM ALTISSIMUM, AERIAL PART, FRESH, CUT 9, (2)					
REF NO 2-11-322					
DRY MATTER	%	28.8	100.0	14	4
ORGANIC MATTER	%	25.6	88.7	11	4
ASH	%	3.2	11.3	11	4
CRUDE FIBER	%	9.2	31.9		4
ETHER EXTRACT	%	1.1	3.7	11	4
NITROGEN FREE EXTRACT	%	12.0	41.6	4	4
PROTEIN	%	3.3	11.5	23	4
CATTLE DIG PROT	% *	2.2	7.7		
GOATS DIG PROT	% *	2.1	7.3		
HORSES DIG PROT	% *	2.1	7.3		
RABBITS DIG PROT	% *	2.2	7.6		
SHEEP DIG PROT	% *	2.2	7.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.71	2.47		
SHEEP DE	MCAL/KG *	0.75	2.61		
CATTLE ME	MCAL/KG *	0.58	2.02		
SHEEP ME	MCAL/KG *	0.62	2.14		
CATTLE NE-M	MCAL/KG *	0.34	1.19		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.51		
CATTLE NE-LACTATION	MCAL/KG *	0.35	1.21		
CATTLE TDN	% *	16.1	55.9		
SHEEP TDN	% *	17.1	59.2		
CALCIUM	%	0.08	0.28	16	4
PHOSPHORUS	%	0.09	0.30	14	4
VITAMIN A EQUIV	IU/G	90.9	315.6		

PANICUM ANTIDOTALE, PANICUM, BLUE GIANT

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM ANTIDOTALE BLUE GIANT, AERIAL PART, FRESH, (2)					
REF NO 2-03-508					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.6		
ASH	%		9.4		1
CRUDE FIBER	%		39.2		1
ETHER EXTRACT	%		1.5		1
NITROGEN FREE EXTRACT	%		44.4		1
PROTEIN	%		5.6		1
CATTLE DIG PROT	% *		2.7		
GOATS DIG PROT	% *		1.8		
HORSES DIG PROT	% *		2.3		
RABBITS DIG PROT	% *		3.0		
SHEEP DIG PROT	% *		2.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.19		
SHEEP DE	MCAL/KG *		2.36		
CATTLE ME	MCAL/KG *		1.79		
SHEEP ME	MCAL/KG *		1.94		
CATTLE NE-M	MCAL/KG *		1.06		
CATTLE NE-GAIN	MCAL/KG *		0.26		
CATTLE NE-LACTATION	MCAL/KG *		0.99		
CATTLE TDN	% *		49.6		
SHEEP TDN	% *		53.6		

PANICUM ANTIDOTALE, PANICUM, BLUE

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM ANTIDOTALE BLUE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-17-591					
DRY MATTER	%	31.9	100.0	14	5
ORGANIC MATTER	%	28.3	88.7		
ASH	%	3.6	11.3	19	5
CRUDE FIBER	%	9.2	29.0	14	5
PROTEIN	%	2.3	7.2	33	5
CATTLE DIG PROT	% *	1.3	4.0		
GOATS DIG PROT	% *	1.0	3.3		
HORSES DIG PROT	% *	1.2	3.6		
RABBITS DIG PROT	% *	1.3	4.2		
SHEEP DIG PROT	% *	1.2	3.7		
PANICUM ANTIDOTALE BLUE, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-17-596					
DRY MATTER	%	16.2	100.0		2
ORGANIC MATTER	%	14.3	88.3		2
ASH	%	1.9	11.7		2
CRUDE FIBER	%	5.4	33.3		2
ETHER EXTRACT	%	0.5	3.0		2
NITROGEN FREE EXTRACT	%	5.0	31.0		2
PROTEIN	%	3.4	21.1		2
CATTLE DIG PROT	% *	2.5	15.8		
GOATS DIG PROT	% *	2.6	16.2		
HORSES DIG PROT	% *	2.5	15.4		
RABBITS DIG PROT	% *	2.4	14.9		
SHEEP DIG PROT	% *	2.7	16.6		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	0.44	2.74		
SHEEP ME	MCAL/KG *	0.36	2.25		
SHEEP TDN	% *	10.0	62.1		
CALCIUM	%	0.06	0.39		2
PHOSPHORUS	%	0.05	0.32		2
PANICUM ANTIDOTALE BLUE, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-593					
DRY MATTER	%	27.1	100.0		3
ORGANIC MATTER	%	23.9	88.3		3
ASH	%	3.2	11.7		3
CRUDE FIBER	%	8.1	29.8		3
ETHER EXTRACT	%	0.5	1.8		3
NITROGEN FREE EXTRACT	%	10.1	37.2		3
PROTEIN	%	5.3	19.4		3
CATTLE DIG PROT	% *	3.9	14.4		
GOATS DIG PROT	% *	4.0	14.7		
HORSES DIG PROT	% *	3.8	14.0		
RABBITS DIG PROT	% *	3.7	13.7		
SHEEP DIG PROT	% *	4.1	15.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.73	2.71		
SHEEP DE	MCAL/KG *	0.72	2.65		
CATTLE ME	MCAL/KG *	0.60	2.22		
SHEEP ME	MCAL/KG *	0.59	2.17		
CATTLE NE-M	MCAL/KG *	0.36	1.32		
CATTLE NE-GAIN	MCAL/KG *	0.19	0.71		
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.40		
CATTLE TDN	% *	16.7	61.5		
SHEEP TDN	% *	16.3	60.1		
CALCIUM	%	0.12	0.43		3
PHOSPHORUS	%	0.07	0.27		3
PANICUM ANTIDOTALE BLUE, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-17-594					
DRY MATTER	%	21.8	100.0		1
ORGANIC MATTER	%	19.2	88.1		1
ASH	%	2.6	11.9		1
CRUDE FIBER	%	8.0	36.5		1
ETHER EXTRACT	%	0.4	1.7		1
NITROGEN FREE EXTRACT	%	8.4	38.4		1
PROTEIN	%	2.5	11.5		1
CATTLE DIG PROT	% *	1.7	7.7		
GOATS DIG PROT	% *	1.6	7.3		
HORSES DIG PROT	% *	1.6	7.3		
RABBITS DIG PROT	% *	1.6	7.5		
SHEEP DIG PROT	% *	1.7	7.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.48		
SHEEP DE	MCAL/KG *	0.54	2.46		
CATTLE ME	MCAL/KG *	0.44	2.04		
SHEEP ME	MCAL/KG *	0.44	2.02		
CATTLE NE-M	MCAL/KG *	0.26	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.53		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.22		
CATTLE TDN	% *	12.3	56.3		
SHEEP TDN	% *	12.2	55.9		
CALCIUM	%	0.08	0.35		1
PHOSPHORUS	%	0.07	0.31		1
PANICUM ANTIDOTALE BLUE, AERIAL PART, FRESH, LATE BLOOM, (2)					
REF NO 2-17-595					
DRY MATTER	%	48.2	100.0		1
ORGANIC MATTER	%	42.8	88.9		1
ASH	%	5.4	11.1		1
CRUDE FIBER	%	15.7	32.5		1
ETHER EXTRACT	%	1.1	2.3		1
NITROGEN FREE EXTRACT	%	20.3	42.1		1
PROTEIN	%	5.8	12.0		1
CATTLE DIG PROT	% *	3.9	8.1		
GOATS DIG PROT	% *	3.7	7.8		
HORSES DIG PROT	% *	3.7	7.7		
RABBITS DIG PROT	% *	3.8	7.9		
SHEEP DIG PROT	% *	3.9	8.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.18	2.46		
SHEEP DE	MCAL/KG *	1.24	2.57		
CATTLE ME	MCAL/KG *	0.97	2.01		
SHEEP ME	MCAL/KG *	1.01	2.11		
CATTLE NE-M	MCAL/KG *	0.57	1.19		
CATTLE NE-GAIN	MCAL/KG *	0.24	0.50		
CATTLE NE-LACTATION	MCAL/KG *	0.58	1.20		
CATTLE TDN	% *	26.9	55.7		
SHEEP TDN	% *	28.1	58.2		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALCIUM	%	0.27	0.57		1
PHOSPHORUS	%	0.17	0.35		1

PANICUM ANTIDOTALE BLUE, LEAVES, FRESH, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-17-592

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.4	100.0		1
ORGANIC MATTER	%	22.8	89.7		
ASH	%	2.6	10.3		1
CRUDE FIBER	%	7.4	29.0		1
PROTEIN	%	1.9	7.5		1
CATTLE DIG PROT	% *	1.1	4.3		
GOATS DIG PROT	% *	0.9	3.6		
HORSES DIG PROT	% *	1.0	3.9		
RABBITS DIG PROT	% *	1.1	4.5		
SHEEP DIG PROT	% *	1.0	4.0		

PANICUM CILIARIA

PANICUM CILIARIA CILIARIA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-11-332

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.4	100.0		1
ORGANIC MATTER	%	22.6	89.0		
ASH	%	2.8	11.0		1
CRUDE FIBER	%	8.9	35.0		1
ETHER EXTRACT	%	0.6	2.4		1
NITROGEN FREE EXTRACT	%	10.8	42.5		1
PROTEIN	%	2.3	9.1		1
CATTLE DIG PROT	% *	1.4	5.6		
GOATS DIG PROT	% *	1.3	5.0		
HORSES DIG PROT	% *	1.3	5.2		
RABBITS DIG PROT	% *	1.4	5.7		
SHEEP DIG PROT	% *	1.4	5.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.58	2.28		
SHEEP DE	MCAL/KG *	0.63	2.49		
CATTLE ME	MCAL/KG *	0.47	1.87		
SHEEP ME	MCAL/KG *	0.52	2.04		
CATTLE NE-M	MCAL/KG *	0.28	1.10		
CATTLE NE-GAIN	MCAL/KG *	0.09	0.35		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.06		
CATTLE TDN	% *	13.1	51.7		
SHEEP TDN	% *	14.4	56.6		

PANICUM COENOSUM

PANICUM COENOSUM COENOSUM, AERIAL PART, FRESH, (2)

REF NO 2-15-466

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	41.4	100.0		1
ORGANIC MATTER	%	37.1	89.6		1
ASH	%	4.3	10.4		1
CRUDE FIBER	%	8.8	21.3		1
ETHER EXTRACT	%	1.6	3.9		1
NITROGEN FREE EXTRACT	%	22.4	54.2		1
PROTEIN	%	4.2	10.2		1
CATTLE DIG PROT	% *	2.7	6.6		
GOATS DIG PROT	% *	2.5	6.1		
HORSES DIG PROT	% *	2.6	6.2		
RABBITS DIG PROT	% *	2.7	6.5		
SHEEP DIG PROT	% *	2.7	6.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.51	3.65		
SHEEP DE	MCAL/KG *	1.18	2.84		
CATTLE ME	MCAL/KG *	1.24	2.99		
SHEEP ME	MCAL/KG *	0.97	2.33		
CATTLE NE-M	MCAL/KG *	0.81	1.95		
CATTLE NE-GAIN	MCAL/KG *	0.54	1.30		
CATTLE NE-LACTATION	MCAL/KG *	0.88	2.13		
CATTLE TDN	% *	34.3	82.7		
SHEEP TDN	% *	26.7	64.5		
CALCIUM	%	0.06	0.15		1
PHOSPHORUS	%	0.09	0.21		1

PANICUM COLORATUM

PANICUM COLORATUM COLORATUM, AERIAL PART, FRESH, (2)

REF NO 2-10-914

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.5	100.0	30	8
ORGANIC MATTER	%	23.2	91.0	11	4
ASH	%	2.4	9.5	11	10
CRUDE FIBER	%	8.9	35.0	9	10
ETHER EXTRACT	%	0.7	2.6	44	9
NITROGEN FREE EXTRACT	%	11.1	43.5	5	9
PROTEIN	%	2.4	9.4	35	10
CATTLE DIG PROT	% *	1.5	5.9		
GOATS DIG PROT	% *	1.4	5.3		
HORSES DIG PROT	% *	1.4	5.5		
RABBITS DIG PROT	% *	1.5	5.9		
SHEEP DIG PROT	% *	1.5	5.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.31		
SHEEP DE	MCAL/KG *	0.65	2.54		
CATTLE ME	MCAL/KG *	0.48	1.90		
SHEEP ME	MCAL/KG *	0.53	2.06		
CATTLE NE-M	MCAL/KG *	0.29	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.38		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.09		
CATTLE TDN	% *	13.4	52.5		
SHEEP TDN	% *	14.7	57.6		
CALCIUM	%	0.02	0.06	13	4
IRON	%	0.002	0.008	73	4
PHOSPHORUS	%	0.04	0.15	14	4
VITAMIN A EQUIV	IU/G	3.6	13.9		

PANICUM COLORATUM COLORATUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-15-473

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.8	100.0		3
ORGANIC MATTER	%	26.4	88.6		
ASH	%	3.3	11.2		3
CRUDE FIBER	%	8.1	27.2		3
PROTEIN	%	1.8	6.1		3
CATTLE DIG PROT	% *	0.9	3.0		
GOATS DIG PROT	% *	0.7	2.2		
HORSES DIG PROT	% *	0.8	2.7		
RABBITS DIG PROT	% *	1.0	3.4		
SHEEP DIG PROT	% *	0.8	2.6		

PANICUM COLORATUM COLORATUM, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-15-474

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.5		
ASH	%		7.5		1
ETHER EXTRACT	%		4.4		1
NITROGEN FREE EXTRACT	%		49.6		1
PROTEIN	%		8.3		1
CATTLE DIG PROT	% *		4.9		
GOATS DIG PROT	% *		4.3		
HORSES DIG PROT	% *		4.6		
RABBITS DIG PROT	% *		5.1		
SHEEP DIG PROT	% *		4.7		
CELLULOSE (CRAMPTON)	%		30.0		1
CALCIUM	%		0.22		1
MAGNESIUM	%		0.25		1
PHOSPHORUS	%		0.31		1
ACID INSOLUBLE ASH (SILICA)	%		3.19		1

PANICUM COLORATUM COLORATUM, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-10-915

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.8	100.0		1
ORGANIC MATTER	%	18.8	90.4		
ASH	%	2.0	9.6		1
CRUDE FIBER	%	6.0	28.8		1
ETHER EXTRACT	%	0.4	1.9		1
NITROGEN FREE EXTRACT	%	9.7	46.6		1
PROTEIN	%	2.7	13.0		1
CATTLE DIG PROT	% *	1.9	8.9		
GOATS DIG PROT	% *	1.8	8.7		
HORSES DIG PROT	% *	1.8	8.6		
RABBITS DIG PROT	% *	1.8	8.7		
SHEEP DIG PROT	% *	1.9	9.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.55	2.66		
SHEEP DE	MCAL/KG *	0.56	2.67		
CATTLE ME	MCAL/KG *	0.45	2.18		
SHEEP ME	MCAL/KG *	0.46	2.19		
CATTLE NE-M	MCAL/KG *	0.27	1.29		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.67		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.36		
CATTLE TDN	% *	12.5	60.3		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
SHEEP	TDN % *	12.6	60.6	

PANICUM COLORATUM COLORATUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-15-472

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.2	100.0	1
ORGANIC MATTER	%	20.5	92.5	
ASH	%	1.7	7.5	1
CRUDE FIBER	%	7.1	32.1	1
ETHER EXTRACT	%	0.5	2.5	1
NITROGEN FREE EXTRACT	%	10.7	48.3	1
PROTEIN	%	2.1	9.6	1
CATTLE	DIG PROT % *	1.3	6.0	
GOATS	DIG PROT % *	1.2	5.5	
HORSES	DIG PROT % *	1.3	5.7	
RABBITS	DIG PROT % *	1.3	6.1	
SHEEP	DIG PROT % *	1.3	5.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.56	2.53	
SHEEP	DE MCAL/KG *	0.58	2.63	
CATTLE	ME MCAL/KG *	0.46	2.07	
SHEEP	ME MCAL/KG *	0.48	2.16	
CATTLE	NE-M MCAL/KG *	0.27	1.22	
CATTLE	NE-GAIN MCAL/KG *	0.13	0.56	
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.26	
CATTLE	TDN % *	12.7	57.4	
SHEEP	TDN % *	13.2	59.7	

PANICUM COLORATUM COLORATUM, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-317

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	46.0	100.0	1
ORGANIC MATTER	%	41.5	90.2	1
ASH	%	4.5	9.8	1
CRUDE FIBER	%	16.2	35.1	1
ETHER EXTRACT	%	1.8	3.9	1
NITROGEN FREE EXTRACT	%	20.8	45.3	1
PROTEIN	%	2.7	5.9	1
CATTLE	DIG PROT % *	1.3	2.9	
GOATS	DIG PROT % *	0.9	2.0	
HORSES	DIG PROT % *	1.2	2.5	
RABBITS	DIG PROT % *	1.5	3.[illegible]	
SHEEP	DIG PROT % *	1.1	2.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.07	2.33	
SHEEP	DE MCAL/KG *	1.13	2.46	
CATTLE	ME MCAL/KG *	0.88	1.91	
SHEEP	ME MCAL/KG *	0.93	2.02	
CATTLE	NE-M MCAL/KG *	0.52	1.12	
CATTLE	NE-GAIN MCAL/KG *	0.18	0.39	
CATTLE	NE-LACTATION MCAL/KG *	0.51	1.10	
CATTLE	TDN % *	24.3	52.7	
SHEEP	TDN % *	25.7	55.9	
CALCIUM	%	0.17	0.38	1
IRON	%	0.010	0.021	1
PHOSPHORUS	%	0.17	0.38	1

PANICUM COLORATUM COLORATUM, LEAVES, FRESH FERTILIZED, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-15-475

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	24.1	100.0	1
ORGANIC MATTER	%	21.7	89.9	
ASH	%	2.4	10.1	1
CRUDE FIBER	%	8.1	33.6	1
PROTEIN	%	1.8	7.4	1
CATTLE	DIG PROT % *	1.0	4.2	
GOATS	DIG PROT % *	0.8	3.5	
HORSES	DIG PROT % *	0.9	3.8	
RABBITS	DIG PROT % *	1.1	4.4	
SHEEP	DIG PROT % *	0.9	3.9	

PANICUM DEUSTUM

PANICUM DEUSTUM DEUSTUM, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-11-933

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	39.8	100.0	1
ORGANIC MATTER	%	36.3	91.1	1
ASH	%	3.9	9.9	1
CRUDE FIBER	%	10.9	27.4	1
ETHER EXTRACT	%	1.3	3.3	1
NITROGEN FREE EXTRACT	%	21.6	54.3	1
PROTEIN	%	2.0	5.1	1
CATTLE	DIG PROT % *	0.9	2.2	
GOATS	DIG PROT % *	0.5	1.3	
HORSES	DIG PROT % *	0.7	1.9	
RABBITS	DIG PROT % *	1.0	2.6	
SHEEP	DIG PROT % *	0.7	1.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.16	2.92	
SHEEP	DE MCAL/KG *	1.04	2.62	
CATTLE	ME MCAL/KG *	0.95	2.39	
SHEEP	ME MCAL/KG *	0.86	2.15	
CATTLE	NE-M MCAL/KG *	0.57	1.44	
CATTLE	NE-GAIN MCAL/KG *	0.34	0.86	
CATTLE	NE-LACTATION MCAL/KG *	0.62	1.56	
CATTLE	TDN % *	26.3	66.1	
SHEEP	TDN % *	23.7	59.5	

PANICUM FASCICULATUM, PANICUM, BROWNTOP

PANICUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, (2)

REF NO 2-11-312

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		91.9	
ASH	%		8.1	1
CRUDE FIBER	%		25.7	1
ETHER EXTRACT	%		1.8	1
NITROGEN FREE EXTRACT	%		50.8	1
PROTEIN	%		13.6	1
CATTLE	DIG PROT % *		9.5	
GOATS	DIG PROT % *		9.2	
HORSES	DIG PROT % *		9.1	
RABBITS	DIG PROT % *		9.2	
SHEEP	DIG PROT % *		9.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.84	
SHEEP	DE MCAL/KG *		2.80	
CATTLE	ME MCAL/KG *		2.33	
SHEEP	ME MCAL/KG *		2.30	
CATTLE	NE-M MCAL/KG *		1.39	
CATTLE	NE-GAIN MCAL/KG *		0.80	
CATTLE	NE-LACTATION MCAL/KG *		1.50	
CATTLE	TDN % *		64.3	
SHEEP	TDN % *		63.5	

PANICUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-03-503

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.7	
ASH	%		10.3	1
CRUDE FIBER	%		30.2	1
ETHER EXTRACT	%		2.6	1
NITROGEN FREE EXTRACT	%		43.3	1
PROTEIN	%		13.6	1
CATTLE	DIG PROT % *		9.5	
GOATS	DIG PROT % *		9.2	
HORSES	DIG PROT % *		9.1	
RABBITS	DIG PROT % *		9.2	
SHEEP	DIG PROT % *		9.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.59	
SHEEP	DE MCAL/KG *		2.66	
CATTLE	ME MCAL/KG *		2.12	
SHEEP	ME MCAL/KG *		2.18	
CATTLE	NE-M MCAL/KG *		1.26	
CATTLE	NE-GAIN MCAL/KG *		0.61	
CATTLE	NE-LACTATION MCAL/KG *		1.31	
CATTLE	TDN % *		58.7	
SHEEP	TDN % *		60.3	

PANICUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-598

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	19.5	100.0	1
ORGANIC MATTER	%	17.2	88.3	1
ASH	%	2.3	11.7	1
CRUDE FIBER	%	5.7	29.2	1
ETHER EXTRACT	%	0.8	4.2	1
NITROGEN FREE EXTRACT	%	8.2	41.9	1
PROTEIN	%	2.5	13.0	1
CATTLE	DIG PROT % *	1.7	8.9	
GOATS	DIG PROT % *	1.7	8.7	
HORSES	DIG PROT % *	1.7	8.6	
RABBITS	DIG PROT % *	1.7	8.7	
SHEEP	DIG PROT % *	1.8	9.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.53	2.69	
SHEEP	DE MCAL/KG *	0.52	2.68	
CATTLE	ME MCAL/KG *	0.43	2.21	
SHEEP	ME MCAL/KG *	0.43	2.20	
CATTLE	NE-M MCAL/KG *	0.26	1.31	
CATTLE	NE-GAIN MCAL/KG *	0.14	0.70	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.39		
CATTLE		TDN % *	11.9	61.1		
SHEEP		TDN % *	11.8	60.8		
CALCIUM		%	0.06	0.32		1
PHOSPHORUS		%	0.04	0.20		1

PANICUM FASCICULATUM BRUNNTOP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-597

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	27.9	100.0	34	4
ORGANIC MATTER		%	24.3	87.3	24	4
ASH		%	3.7	13.2	24	4
CRUDE FIBER		%	8.6	31.0	15	4
ETHER EXTRACT		%	0.4	1.3	59	4
NITROGEN FREE EXTRACT		%	12.4	44.5	5	4
PROTEIN		%	2.8	10.0	31	4
CATTLE	DIG PROT	% *	1.8	6.4		
GOATS	DIG PROT	% *	1.6	5.9		
HORSES	DIG PROT	% *	1.7	6.0		
RABBITS	DIG PROT	% *	1.8	6.4		
SHEEP	DIG PROT	% *	1.8	6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.71	2.55		
SHEEP	DE	MCAL/KG *	0.69	2.47		
CATTLE	ME	MCAL/KG *	0.58	2.09		
SHEEP	ME	MCAL/KG *	0.56	2.02		
CATTLE	NE-M	MCAL/KG *	0.34	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.36	1.28		
CATTLE		TDN % *	16.1	57.9		
SHEEP		TDN % *	15.6	56.0		
CALCIUM		%	0.14	0.49	18	4
PHOSPHORUS		%	0.07	0.26	37	4

PANICUM GLUTINOSUM

PANICUM GLUTINOSUM GLUTINOSUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-15-467

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	21.9	87.4		1
ASH		%	3.2	12.6		1
CRUDE FIBER		%	7.9	31.7		1
ETHER EXTRACT		%	0.7	2.9		1
NITROGEN FREE EXTRACT		%	11.2	44.8		1
PROTEIN		%	2.0	8.0		1
CATTLE	DIG PROT	% *	1.2	4.7		
GOATS	DIG PROT	% *	1.0	4.0		
HORSES	DIG PROT	% *	1.1	4.3		
RABBITS	DIG PROT	% *	1.2	4.8		
SHEEP	DIG PROT	% *	1.1	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.33		
SHEEP	DE	MCAL/KG *	0.63	2.51		
CATTLE	ME	MCAL/KG *	0.48	1.91		
SHEEP	ME	MCAL/KG *	0.51	2.06		
CATTLE	NE-M	MCAL/KG *	0.28	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.39		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.10		
CATTLE		TDN % *	13.2	52.8		
SHEEP		TDN % *	14.2	56.9		
CALCIUM		%	0.10	0.40		1
PHOSPHORUS		%	0.04	0.17		1

PANICUM HALLII, PANICUM, HALLS

PANICUM HALLII HALLS, AERIAL PART, FRESH, (2)

REF NO 2-03-509

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		79.4		
ASH		%		20.6		1
CRUDE FIBER		%		23.1		1
ETHER EXTRACT		%		0.4		1
NITROGEN FREE EXTRACT		%		46.7		1
PROTEIN		%		9.2		1
CATTLE	DIG PROT	% *		5.7		
GOATS	DIG PROT	% *		5.1		
HORSES	DIG PROT	% *		5.3		
RABBITS	DIG PROT	% *		5.8		
SHEEP	DIG PROT	% *		5.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.37		
SHEEP	ME	MCAL/KG *		1.95		
SHEEP		TDN % *		53.8		

PANICUM HIRSUTUM

PANICUM HIRSUTUM HIRSUTUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-599

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	60.2	100.0		1
ORGANIC MATTER		%	53.5	88.8		1
ASH		%	6.7	11.2		1
CRUDE FIBER		%	17.3	28.8		1
ETHER EXTRACT		%	0.7	1.2		1
NITROGEN FREE EXTRACT		%	31.7	52.6		1
PROTEIN		%	3.7	6.2		1
CATTLE	DIG PROT	% *	1.9	3.2		
GOATS	DIG PROT	% *	1.4	2.3		
HORSES	DIG PROT	% *	1.7	2.8		
RABBITS	DIG PROT	% *	2.1	3.5		
SHEEP	DIG PROT	% *	1.7	2.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.53	2.55		
SHEEP	DE	MCAL/KG *	1.53	2.54		
CATTLE	ME	MCAL/KG *	1.26	2.09		
SHEEP	ME	MCAL/KG *	1.25	2.08		
CATTLE	NE-M	MCAL/KG *	0.74	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.35	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.77	1.27		
CATTLE		TDN % *	34.8	57.8		
SHEEP		TDN % *	34.7	57.7		
CALCIUM		%	0.10	0.17		1
PHOSPHORUS		%	0.11	0.18		1

PANICUM ITALICUM

PANICUM ITALICUM ITALICUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-15-468

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	16.4	100.0		1
ORGANIC MATTER		%	13.6	83.2		1
ASH		%	2.8	16.8		1
CRUDE FIBER		%	3.6	22.0		1
ETHER EXTRACT		%	0.5	3.[illegible]		1
NITROGEN FREE EXTRACT		%	6.1	37.1		1
PROTEIN		%	3.5	21.1		1
CATTLE	DIG PROT	% *	2.6	15.8		
GOATS	DIG PROT	% *	2.7	16.2		
HORSES	DIG PROT	% *	2.5	15.4		
RABBITS	DIG PROT	% *	2.5	15.0		
SHEEP	DIG PROT	% *	2.7	16.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.39	2.39		
SHEEP	DE	MCAL/KG *	0.44	2.70		
CATTLE	ME	MCAL/KG *	0.32	1.96		
SHEEP	ME	MCAL/KG *	0.36	2.21		
CATTLE	NE-M	MCAL/KG *	0.19	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.44		
CATTLE	NE-LACTATION	MCAL/KG *	0.19	1.15		
CATTLE		TDN % *	8.9	54.1		
SHEEP		TDN % *	10.0	61.2		
CALCIUM		%	0.07	0.45		1
PHOSPHORUS		%	0.06	0.35		1

PANICUM ITALICUM ITALICUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-15-469

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.3	100.0		1
ORGANIC MATTER		%	16.6	86.0		1
ASH		%	2.7	14.0		1
CRUDE FIBER		%	4.4	23.0		1
ETHER EXTRACT		%	0.6	3.0		1
NITROGEN FREE EXTRACT		%	7.7	39.7		1
PROTEIN		%	3.9	20.3		1
CATTLE	DIG PROT	% *	2.9	15.1		
GOATS	DIG PROT	% *	3.0	15.5		
HORSES	DIG PROT	% *	2.8	14.8		
RABBITS	DIG PROT	% *	2.8	14.3		
SHEEP	DIG PROT	% *	3.1	15.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.50	2.62		
SHEEP	DE	MCAL/KG *	0.53	2.77		
CATTLE	ME	MCAL/KG *	0.41	2.15		
SHEEP	ME	MCAL/KG *	0.44	2.27		
CATTLE	NE-M	MCAL/KG *	0.24	1.27		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.63		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.33		
CATTLE		TDN % *	11.5	59.3		
SHEEP		TDN % *	12.1	62.8		
CALCIUM		%	0.08	0.43		1
PHOSPHORUS		%	0.06	0.33		1

PANICUM LACIFOLIUM

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM LACIFOLIUM LACIFOLIUM, AERIAL PART, OEHY, (1)					
REF NO 1-11-315					
DRY MATTER	%	86.9	100.0		1
ORGANIC MATTER	%	75.7	87.1		1
ASH	%	11.2	12.9		1
CRUDE FIBER	%	35.1	40.4		1
ETHER EXTRACT	%	2.2	2.5		1
NITROGEN FREE EXTRACT	%	26.6	30.6		1
PROTEIN	%	11.8	13.6		1
CATTLE	DIG PROT % *	7.6	8.7		
GOATS	DIG PROT % *	8.0	9.2		
HORSES	DIG PROT % *	7.9	9.1		
RABBITS	DIG PROT % *	8.0	9.2		
SHEEP	DIG PROT % *	7.6	8.8		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	1.85	2.13		
SHEEP	ME MCAL/KG *	1.52	1.75		
SHEEP	TDN % *	41.9	48.3		
PANICUM LACIFOLIUM LACIFOLIUM, AERIAL PART, FRESH, (2)					
REF NO 2-11-316					
DRY MATTER	%	27.3	100.0		1
ORGANIC MATTER	%	23.5	86.2		1
ASH	%	3.8	13.8		1
CRUDE FIBER	%	10.7	39.3		1
ETHER EXTRACT	%	0.8	3.1		1
NITROGEN FREE EXTRACT	%	9.7	35.4		1
PROTEIN	%	2.3	8.5		1
CATTLE	DIG PROT % *	1.4	5.1		
GOATS	DIG PROT % *	1.2	4.5		
HORSES	DIG PROT % *	1.3	4.7		
RABBITS	DIG PROT % *	1.4	5.2		
SHEEP	DIG PROT % *	1.3	4.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.53	1.94		
SHEEP	DE MCAL/KG *	0.67	2.44		
CATTLE	ME MCAL/KG *	0.43	1.59		
SHEEP	ME MCAL/KG *	0.55	2.00		
CATTLE	NE-M MCAL/KG *	0.26	0.96		
CATTLE	NE-GAIN MCAL/KG *	0.00	0.01		
CATTLE	NE-LACTATION MCAL/KG *	0.22	0.80		
CATTLE	TDN % *	12.0	43.9		
SHEEP	TDN % *	15.1	55.3		
CALCIUM	%	0.02	0.07		1
IRON	%	0.001	0.005		1
PHOSPHORUS	%	0.05	0.20		1
VITAMIN A EQUIV	IU/G	2.8	10.4		
PANICUM LAXUM, WOODLANDGRASS					
PANICUM LAXUM, AERIAL PART, FRESH, (2)					
REF NO 2-11-314					
DRY MATTER	%	21.1	100.0		1
CRUDE FIBER	%	4.9	23.3		1
ETHER EXTRACT	%	1.3	6.2		1
PROTEIN	%	4.8	22.8		1
CATTLE	DIG PROT % *	3.6	17.3		
GOATS	DIG PROT % *	3.8	17.8		
HORSES	DIG PROT % *	3.6	16.9		
RABBITS	DIG PROT % *	3.4	16.3		
SHEEP	DIG PROT % *	3.8	18.2		
PANICUM LAXUM, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-15-471					
DRY MATTER	%	19.5	100.0		2
ORGANIC MATTER	%	16.9	86.7		2
ASH	%	2.6	13.3		2
CRUDE FIBER	%	7.2	37.0		2
ETHER EXTRACT	%	0.3	1.7		2
NITROGEN FREE EXTRACT	%	7.2	37.2		2
PROTEIN	%	2.1	10.9		2
CATTLE	DIG PROT % *	1.4	7.2		
GOATS	DIG PROT % *	1.3	6.7		
HORSES	DIG PROT % *	1.3	6.8		
RABBITS	DIG PROT % *	1.4	7.1		
SHEEP	DIG PROT % *	1.4	7.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.48	2.48		
SHEEP	DE MCAL/KG *	0.47	2.42		
CATTLE	ME MCAL/KG *	0.40	2.03		
SHEEP	ME MCAL/KG *	0.39	1.98		
CATTLE	NE-M MCAL/KG *	0.23	1.20		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.52		
CATTLE	NE-LACTATION MCAL/KG *	0.24	1.22		
CATTLE	TDN % *	11.0	56.3		
SHEEP	TDN % *	10.7	54.8		
CALCIUM	%	0.07	0.35		2
PHOSPHORUS	%	0.04	0.19		2
PANICUM LAXUM, AERIAL PART, FRESH, POST HIPE, (2)					
REF NO 2-15-470					
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	21.6	86.3		1
ASH	%	3.4	13.6		1
CRUDE FIBER	%	9.1	36.2		1
ETHER EXTRACT	%	0.4	1.7		1
NITROGEN FREE EXTRACT	%	10.4	41.7		1
PROTEIN	%	1.7	6.8		1
CATTLE	DIG PROT % *	0.9	3.7		
GOATS	DIG PROT % *	0.7	2.9		
HORSES	DIG PROT % *	0.8	3.3		
RABBITS	DIG PROT % *	1.0	3.9		
SHEEP	DIG PROT % *	0.8	3.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.57	2.28		
SHEEP	DE MCAL/KG *	0.59	2.36		
CATTLE	ME MCAL/KG *	0.47	1.87		
SHEEP	ME MCAL/KG *	0.48	1.93		
CATTLE	NE-M MCAL/KG *	0.28	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.34		
CATTLE	NE-LACTATION MCAL/KG *	0.27	1.06		
CATTLE	TDN % *	12.9	51.6		
SHEEP	TDN % *	13.4	53.4		
CALCIUM	%	0.08	0.32		1
PHOSPHORUS	%	0.03	0.12		1
PANICUM MAXIMUM, GUINEAGRASS					
PANICUM MAXIMUM, AERIAL PART, OEHY, (1)					
REF NO 1-13-433					
DRY MATTER	%	93.5	100.0	4	12
ORGANIC MATTER	%	82.2	88.0	10	5
ASH	%	10.2	11.0	10	12
CRUDE FIBER	%	34.2	36.6	13	12
ETHER EXTRACT	%	1.8	2.0	45	12
NITROGEN FREE EXTRACT	%	40.9	43.8	11	12
PROTEIN	%	6.3	6.7	30	12
CATTLE	DIG PROT % *	2.6	2.8		
GOATS	DIG PROT % *	2.7	2.8		
HORSES	DIG PROT % *	3.0	3.2		
RABBITS	DIG PROT % *	3.6	3.9		
SHEEP	DIG PROT % *	2.4	2.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.01	2.16		
HORSES	DE MCAL/KG *	1.61	1.73		
SHEEP	DE MCAL/KG *	2.01	2.15		
CATTLE	ME MCAL/KG *	1.65	1.77		
HORSES	ME MCAL/KG *	1.32	1.41		
SHEEP	ME MCAL/KG *	1.65	1.76		
CATTLE	NE-M MCAL/KG *	0.98	1.05		
CATTLE	NE-GAIN MCAL/KG *	0.22	0.23		
CATTLE	NE-LACTATION MCAL/KG *	0.90	0.97		
CATTLE	TDN % *	45.7	48.9		
HORSES	TDN % *	39.8	42.6		
SHEEP	TDN % *	45.5	48.7		
CALCIUM	%	0.44	0.47		2
PHOSPHORUS	%	0.25	0.26	18	6
VITAMIN A EQUIV	IU/G	118.5	126.8		
PANICUM MAXIMUM, AERIAL PART, OEHY FERTILIZED, (1)					
REF NO 1-13-813					
DRY MATTER	%	90.2	100.0	1	22
ORGANIC MATTER	%	79.5	88.1	7	22
ASH	%	10.7	11.9	7	22
CRUDE FIBER	%	35.2	39.0	4	22
ETHER EXTRACT	%	2.2	2.4	23	22
NITROGEN FREE EXTRACT	%	36.4	40.4	4	22
PROTEIN	%	5.7	6.3	14	22
CATTLE	DIG PROT % *	2.2	2.4		
GOATS	DIG PROT % *	2.2	2.5		
HORSES	DIG PROT % *	2.6	2.9		
RABBITS	DIG PROT % *	3.2	3.6		
SHEEP	DIG PROT % *	2.0	2.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.86	2.06		
HORSES	DE MCAL/KG *	1.62	1.79		
SHEEP	DE MCAL/KG *	1.87	2.07		
CATTLE	ME MCAL/KG *	1.52	1.69		
HORSES	ME MCAL/KG *	1.33	1.47		
SHEEP	ME MCAL/KG *	1.53	1.70		
CATTLE	NE-M MCAL/KG *	0.91	1.00		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-GAIN	MCAL/KG *	0.12	0.13		
CATTLE NE-LACTATION	MCAL/KG *	0.80	0.89		
CATTLE	TDN % *	42.1	46.6		
HORSES	TDN % *	40.1	44.4		
SHEEP	TDN % *	42.3	46.9		
PHOSPHORUS	%	0.22	0.25	22	22
VITAMIN A EQUIV	IU/G	178.7	198.0		

PANICUM MAXIMUM, AERIAL PART, DEHY GRND, (1)

REF NO 1-10-561

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.2	100.0		8
ORGANIC MATTER	%	78.3	87.8	10	8
ASH	%	10.9	12.2	10	8
CRUDE FIBER	%	36.0	40.3	4	8
ETHER EXTRACT	%	2.7	3.0	46	8
NITROGEN FREE EXTRACT	%	33.7	37.8	7	8
PROTEIN	%	6.0	6.7	26	8
CATTLE DIG PROT	% *	2.4	2.7		
GOATS DIG PROT	% *	2.5	2.8		
HORSES DIG PROT	% *	2.8	3.2		
RABBITS DIG PROT	% *	3.4	3.8		
SHEEP DIG PROT	% *	2.3	2.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.76	1.97		
SHEEP DE	MCAL/KG *	1.80	2.02		
CATTLE ME	MCAL/KG *	1.44	1.62		
SHEEP ME	MCAL/KG *	1.47	1.65		
CATTLE NE-M	MCAL/KG *	0.86	0.97		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.04		
CATTLE NE-LACTATION	MCAL/KG *	0.73	0.82		
CATTLE	TDN % *	39.9	44.7		
SHEEP	TDN % *	40.8	45.7		
CALCIUM	%	0.60	0.67		1
PHOSPHORUS	%	0.20	0.22	14	8
VITAMIN A EQUIV	IU/G	159.3	178.6		

PANICUM MAXIMUM, HAY, S-C, (1)

REF NO 1-02-336

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.0	100.0	2	17
ORGANIC MATTER	%	78.2	85.0	17	1
ASH	%	13.8	15.0	17	18
CRUDE FIBER	%	30.5	33.1	7	18
ETHER EXTRACT	%	1.6	1.8	31	18
NITROGEN FREE EXTRACT	%	35.2	38.3	20	16
PROTEIN	%	10.9	11.8	34	18
CATTLE DIG PROT	% *	6.6	7.2		
GOATS DIG PROT	% *	7.0	7.6		
HORSES DIG PROT	% *	7.0	7.6		
RABBITS DIG PROT	% *	7.2	7.8		
SHEEP DIG PROT	% *	6.6	7.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.98	2.15		
HORSES DE	MCAL/KG *	1.78	1.94		
SHEEP DE	MCAL/KG *	2.01	2.18		
CATTLE ME	MCAL/KG *	1.63	1.77		
HORSES ME	MCAL/KG *	1.46	1.59		
SHEEP ME	MCAL/KG *	1.65	1.79		
CATTLE NE-M	MCAL/KG *	0.96	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.21	0.23		
CATTLE NE-LACTATION	MCAL/KG *	0.89	0.97		
CATTLE	TDN % *	44.9	48.9		
HORSES	TDN % *	44.5	48.4		
SHEEP	TDN % *	45.6	49.5		
CALCIUM	%	0.62	0.67		3
PHOSPHORUS	%	0.47	0.51		3

PANICUM MAXIM'M, LEAVES, S-C, (1)

REF NO 1-13-427

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.6	100.0		4
ORGANIC MATTER	%	79.2	86.5		
ASH	%	12.4	13.5	9	4
CRUDE FIBER	%	31.0	33.8	15	4
ETHER EXTRACT	%	1.2	1.3	20	4
NITROGEN FREE EXTRACT	%	39.6	43.2	2	4
PROTEIN	%	7.5	8.2	68	4
CATTLE DIG PROT	% *	3.7	4.0		
GOATS DIG PROT	% *	3.8	4.2		
HORSES DIG PROT	% *	4.1	4.5		
RABBITS DIG PROT	% *	4.6	5.0		
SHEEP DIG PROT	% *	3.6	3.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.93	2.10		
HORSES DE	MCAL/KG *	1.56	1.70		
SHEEP DE	MCAL/KG *	1.96	2.14		
CATTLE ME	MCAL/KG *	1.58	1.73		
HORSES ME	MCAL/KG *	1.28	1.39		
SHEEP ME	MCAL/KG *	1.61	1.76		
CATTLE NE-M	MCAL/KG *	0.94	1.03		
CATTLE NE-GAIN	MCAL/KG *	0.17	0.18		
CATTLE NE-LACTATION	MCAL/KG *	0.85	0.93		
CATTLE	TDN % *	43.7	47.7		
HORSES	TDN % *	38.3	41.8		
SHEEP	TDN % *	44.6	48.6		
CALCIUM	%	0.35	0.38	22	4
PHOSPHORUS	%	0.30	0.33	27	4

PANICUM MAXIMUM, STEMS, S-C, (1)

REF NO 1-13-426

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.6	100.0	1	4
ORGANIC MATTER	%	80.3	87.6		
ASH	%	11.3	12.4	32	4
CRUDE FIBER	%	37.1	40.5	12	4
ETHER EXTRACT	%	0.5	0.6	59	6
NITROGEN FREE EXTRACT	%	38.7	42.3	7	6
PROTEIN	%	3.9	4.3	46	6
CATTLE DIG PROT	% *	0.6	0.6		
GOATS DIG PROT	% *	0.5	0.6		
HORSES DIG PROT	% *	1.1	1.2		
RABBITS DIG PROT	% *	1.8	2.0		
SHEEP DIG PROT	% *	0.4	0.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.80	1.96		
SHEEP DE	MCAL/KG *	1.88	2.05		
CATTLE ME	MCAL/KG *	1.47	1.61		
SHEEP ME	MCAL/KG *	1.54	1.68		
CATTLE NE-M	MCAL/KG *	0.88	0.96		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.03		
CATTLE NE-LACTATION	MCAL/KG *	0.75	0.82		
CATTLE	TDN % *	40.7	44.5		
SHEEP	TDN % *	42.5	46.4		
CALCIUM	%	0.23	0.25	31	6
PHOSPHORUS	%	0.33	0.36	28	6

PANICUM MAXIMUM, AERIAL PART, FRESH, (2)

REF NO 2-02-345

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.8	100.0	26	98
ORGANIC MATTER	%	23.9	89.3	42	54
ASH	%	3.0	11.1	42	98
CRUDE FIBER	%	8.3	30.8	30	98
CATTLE DIG COEF	%	64.	64.	7	40
ETHER EXTRACT	%	0.9	3.2	54	98
CATTLE DIG COEF	%	41.	41.	26	40
NITROGEN FREE EXTRACT	%	11.7	43.6	24	98
CATTLE DIG COEF	%	67.	67.	10	40
PROTEIN	%	3.0	11.3	39	98
CATTLE DIG COEF	%	65.	65.	4	40
CATTLE DIG PROT	%	2.0	7.3		
GOATS DIG PROT	% *	1.9	7.1		
HORSES DIG PROT	% *	1.9	7.1		
RABBITS DIG PROT	% *	2.0	7.4		
SHEEP DIG PROT	% *	2.0	7.5		
ENERGY GE	KCAL/KG	1143.	4268.	1	40
CATTLE GE DIG COEF	%	62.	62.	7	43
CATTLE DE	MCAL/KG	0.71	2.64		
SHEEP DE	MCAL/KG *	0.70	2.61		
CATTLE ME	MCAL/KG *	0.58	2.16		
SHEEP ME	MCAL/KG *	0.57	2.14		
CATTLE NE-M	MCAL/KG *	0.34	1.28		
CATTLE NE-GAIN	MCAL/KG *	0.18	0.65		
CATTLE NE-LACTATION	MCAL/KG *	0.36	1.35		
CATTLE	TDN %	15.9	59.6	7	53
SHEEP	TDN % *	15.9	59.3		
CALCIUM	%	0.10	0.39	77	36
COBALT	MG/KG	0.015	0.056	24	10
COPPER	MG/KG	7.3	27.4	27	12
IRON	%	0.016	0.060	98	11
MAGNESIUM	%	0.07	0.27		3
MANGANESE	MG/KG	52.3	195.4		3
PHOSPHORUS	%	0.06	0.23	98	34
VITAMIN A EQUIV	IU/G	10.6	39.5		
DM INTAKE, CATTLE	% OF BODY WT	0.84	3.15	11	9

PANICUM MAXIMUM, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-11-300

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.3	100.0	11	72
ORGANIC MATTER	%	16.5	85.6	13	6
ASH	%	2.6	13.7	13	8
CRUDE FIBER	%	5.8	30.3	6	7
ETHER EXTRACT	%	0.6	3.0	26	8
NITROGEN FREE EXTRACT	%	7.2	37.3	12	8
PROTEIN	%	3.0	15.7	24	73
CATTLE DIG PROT	% *	2.2	11.2		
GOATS DIG PROT	% *	2.2	11.2		
HORSES DIG PROT	% *	2.1	10.8		
RABBITS DIG PROT	% *	2.1	10.8		
SHEEP DIG PROT	% *	2.2	11.6		
CELLULOSE (CRAMPTON)	%	5.6	28.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.46	2.41		

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO
SHEEP		DE MCAL/KG	*	0.50	2.62		
CATTLE		ME MCAL/KG	*	0.38	1.98		
SHEEP		ME MCAL/KG	*	0.41	2.15		
CATTLE		NE-M MCAL/KG	*	0.22	1.17		
CATTLE		NE-GAIN MCAL/KG	*	0.09	0.46		
CATTLE		NE-LACTATION MCAL/KG	*	0.22	1.17		
CATTLE		TDN %	*	10.5	54.7		
SHEEP		TDN %	*	11.4	59.4		
CALCIUM		%		0.13	0.69		2
PHOSPHORUS		%		0.06	0.31		2
POTASSIUM		%		0.27	1.42		1
SODIUM		%		0.00	0.02		1

PANICUM MAXIMUM, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-09-995

DRY MATTER		%		19.4	100.0	18	98
DM IN VITRO (TILLY)	DIG COEF	%		81.	81.		1
ORGANIC MATTER		%		16.6	85.5	11	56
ASH		%		2.8	14.3	11	66
CRUDE FIBER		%		6.0	30.9	10	69
ETHER EXTRACT		%		0.7	3.4	35	71
CATTLE	DIG COEF	%		82.	82.		1
NITROGEN FREE EXTRACT		%		7.6	39.2	8	66
PROTEIN		%		2.4	12.2	22	98
CATTLE	DIG COEF	%		64.	64.		1
CATTLE	DIG PROT	%		1.5	7.8		
GOATS	DIG PROT	%	*	1.5	8.0		
HORSES	DIG PROT	%	*	1.5	7.9		
RABBITS	DIG PROT	%	*	1.6	8.1		
SHEEP	DIG PROT	%	*	1.6	8.4		
CELL CONTENTS (VAN SOEST)		%		6.2	32.2		1
CELL WALLS (VAN SOEST)		%		12.0	61.9	8	5
CELLULOSE (CRAMPTON)		%		7.6	39.2		1
CELLULOSE (VAN SOEST)		%		6.8	35.2		1
FIBER, ACID DETERGENT (VS)		%		8.8	45.4		1
HEMICELLULOSE		%		4.3	22.4		1
LIGNIN KMNO4 (VS)		%		1.1	5.8		1
ENERGY	GE KCAL/KG			857.	4424.		1
CATTLE	GE DIG COEF	%		59.	59.		1
CATTLE	DE MCAL/KG			0.51	2.61		
SHEEP	DE MCAL/KG		*	0.50	2.57		
CATTLE	ME MCAL/KG		*	0.41	2.14		
SHEEP	ME MCAL/KG		*	0.41	2.10		
CATTLE	NE-M MCAL/KG		*	0.25	1.27		
CATTLE	NE-GAIN MCAL/KG		*	0.12	0.63		
CATTLE	NE-LACTATION MCAL/KG		*	0.26	1.32		
CATTLE	TDN %		*	10.2	52.4		
SHEEP	TDN %		*	11.3	58.2		
CALCIUM		%		0.17	0.86	28	8
PHOSPHORUS		%		0.07	0.36	19	8
DM INTAKE, CATTLE	% OF BODY WT			0.30	1.55		1

PANICUM MAXIMUM, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-09-714

DRY MATTER		%		21.5	100.0	13	74
DM IN VITRO (TILLY)	DIG COEF	%		54.	54.	3	7
ORGANIC MATTER		%		18.3	85.2	22	34
ASH		%		3.0	13.8	22	52
CRUDE FIBER		%		7.0	32.7	10	53
ETHER EXTRACT		%		0.6	2.6	34	54
NITROGEN FREE EXTRACT		%		8.8	41.2	11	52
PROTEIN		%		2.1	9.7	20	80
CATTLE	DIG PROT	%	*	1.3	6.2		
GOATS	DIG PROT	%	*	1.2	5.6		
HORSES	DIG PROT	%	*	1.2	5.8		
RABBITS	DIG PROT	%	*	1.3	6.2		
SHEEP	DIG PROT	%	*	1.3	6.1		
CELL WALLS (VAN SOEST)		%		14.0	65.5		2
CELLULOSE (CRAMPTON)		%		6.4	29.7		1
LIGNIN (ELLIS)		%		1.8	8.2		1
ENERGY	GE KCAL/KG						
CATTLE	DE MCAL/KG		*	0.49	2.28		
SHEEP	DE MCAL/KG		*	0.53	2.48		
CATTLE	ME MCAL/KG		*	0.40	1.87		
SHEEP	ME MCAL/KG		*	0.44	2.04		
CATTLE	NE-M MCAL/KG		*	0.24	1.10		
CATTLE	NE-GAIN MCAL/KG		*	0.07	0.35		
CATTLE	NE-LACTATION MCAL/KG		*	0.23	1.06		
CATTLE	TDN %		*	11.1	51.6		
SHEEP	TDN %		*	12.1	56.3		
CALCIUM		%		0.18	0.84	27	13
MAGNESIUM		%		0.11	0.49		1
PHOSPHORUS		%		0.07	0.32	17	13
POTASSIUM		%		0.24	1.13		1
SODIUM		%		0.01	0.05		1
DM INTAKE, CATTLE	% OF BODY WT			0.55	2.55		1

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO

PANICUM MAXIMUM, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-09-910

DRY MATTER		%		22.4	100.0	15	69
DM IN VITRO (TILLY)	DIG COEF	%		47.	47.	5	23
ORGANIC MATTER		%		19.4	86.4	20	30
ASH		%		2.8	12.4	20	47
CRUDE FIBER		%		8.1	36.2	13	48
ETHER EXTRACT		%		0.6	2.6	39	50
CATTLE	DIG COEF	%		50.	50.		1
NITROGEN FREE EXTRACT		%		9.0	40.1	17	48
PROTEIN		%		2.0	8.8	23	71
CATTLE	DIG COEF	%		43.	43.		1
CATTLE	DIG PROT	%		0.8	3.8		
GOATS	DIG PROT	%	*	1.1	4.7		
HORSES	DIG PROT	%	*	1.1	5.0		
RABBITS	DIG PROT	%	*	1.2	5.4		
SHEEP	DIG PROT	%	*	1.2	5.2		
CELL WALLS (VAN SOEST)		%		15.3	68.2		2
CELLULOSE (CRAMPTON)		%		6.6	29.5		1
ENERGY	GE KCAL/KG			930.	4145.		1
CATTLE	GE DIG COEF	%		46.	46.		1
CATTLE	DE MCAL/KG			0.43	1.91		
SHEEP	DE MCAL/KG		*	0.55	2.46		
CATTLE	ME MCAL/KG		*	0.35	1.56		
SHEEP	ME MCAL/KG		*	0.45	2.02		
CATTLE	NE-M MCAL/KG		*	0.21	0.94		
CATTLE	NE-GAIN MCAL/KG		*	-0.01	-0.02		
CATTLE	NE-LACTATION MCAL/KG		*	0.17	0.77		
CATTLE	TDN %		*	11.0	49.2		
SHEEP	TDN %		*	12.5	55.8		
CALCIUM		%		0.16	0.72	41	10
PHOSPHORUS		%		0.06	0.28	17	10
POTASSIUM		%		0.16	0.71		1
SODIUM		%		0.01	0.03		1
DM INTAKE, CATTLE	% OF BODY WT			0.44	1.95		2

PANICUM MAXIMUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-09-659

DRY MATTER		%		26.3	100.0	42	24
DM IN VITRO (TILLY)	DIG COEF	%		58.	58.		2
ORGANIC MATTER		%		23.6	89.7	21	1
ASH		%		2.7	10.2	21	11
SHEEP	DIG COEF	%		40.	40.		
CRUDE FIBER		%		8.9	34.0	24	10
ETHER EXTRACT		%		0.6	2.1	24	10
NITROGEN FREE EXTRACT		%		11.7	44.5	19	10
PROTEIN		%		2.4	9.1	29	23
CATTLE	DIG PROT	%	*	1.5	5.6		
GOATS	DIG PROT	%	*	1.3	5.0		
HORSES	DIG PROT	%	*	1.4	5.2		
RABBITS	DIG PROT	%	*	1.5	5.7		
SHEEP	DIG PROT	%	*	1.4	5.5		
CELLULOSE (CRAMPTON)		%		10.6	40.3		2
CELLU (C) IN VITRO	DIG COEF	%		56.	56.		1
LIGNIN (ELLIS)		%		2.5	9.4		1
ENERGY	GE KCAL/KG						
CATTLE	DE MCAL/KG		*	0.62	2.35		
SHEEP	DE MCAL/KG		*	0.66	2.52		
CATTLE	ME MCAL/KG		*	0.51	1.93		
SHEEP	ME MCAL/KG		*	0.54	2.06		
CATTLE	NE-M MCAL/KG		*	0.30	1.14		
CATTLE	NE-GAIN MCAL/KG		*	0.11	0.41		
CATTLE	NE-LACTATION MCAL/KG		*	0.29	1.12		
CATTLE	TDN %		*	14.0	53.4		
SHEEP	TDN %		*	15.0	57.1		
CALCIUM		%		0.20	0.78		1
MAGNESIUM		%		0.10	0.38		1
PHOSPHORUS		%		0.06	0.22		1
DM INTAKE, CATTLE	% OF BODY WT			0.81	3.09		1

PANICUM MAXIMUM, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-10-094

DRY MATTER		%		23.3	100.0	24	20
ORGANIC MATTER		%		21.3	91.5		
ASH		%		2.0	8.5	9	5
CRUDE FIBER		%		8.7	37.5	5	5
ETHER EXTRACT		%		1.9	8.2	98	7
CATTLE	DIG COEF	%		67.	67.		1
NITROGEN FREE EXTRACT		%		8.1	34.6	4	4
PROTEIN		%		2.6	11.3	44	20
CATTLE	DIG COEF	%		56.	56.		1
CATTLE	DIG PROT	%		1.5	6.3		
GOATS	DIG PROT	%	*	1.7	7.1		
HORSES	DIG PROT	%	*	1.7	7.2		
RABBITS	DIG PROT	%	*	1.7	7.4		
SHEEP	DIG PROT	%	*	1.8	7.6		
CELL WALLS (VAN SOEST)		%		16.6	71.2		2
ENERGY	GE KCAL/KG			957.	4110.		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE GL DIG COEF	%	53.	53.		1
CATTLE DE	MCAL/KG	0.51	2.18		
CATTLE ME	MCAL/KG *	0.42	1.79		
CATTLE NE-M	MCAL/KG *	0.25	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.25		
CATTLE NE-LACTATION	MCAL/KG *	0.23	0.99		
DM INTAKE, CATTLE	% OF BODY WT	0.41	1.76		1

PANICUM MAXIMUM, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-10-821

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.8	100.0	14	7
DM IN VITRO (TILLY) DIG COEF	%	71.	71.		2
ORGANIC MATTER	%	25.1	90.4		
ASH	%	2.7	9.6	18	9
CRUDE FIBER	%	10.3	37.2	9	9
ETHER EXTRACT	%	0.8	2.9	98	9
NITROGEN FREE EXTRACT	%	11.9	42.9	12	9
PROTEIN	%	2.1	7.5	41	10
CATTLE DIG PROT	% *	1.2	4.2		
GOATS DIG PROT	% *	1.0	3.5		
HORSES DIG PROT	% *	1.1	3.9		
RABBITS DIG PROT	% *	1.2	4.4		
SHEEP DIG PROT	% *	1.1	4.0		
CELLULOSE (CRAMPTON)	%	11.1	40.0		2
LIGNIN (ELLIS)	%	3.2	11.4		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.13		
SHEEP DE	MCAL/KG *	0.69	2.48		
CATTLE ME	MCAL/KG *	0.48	1.75		
SHEEP ME	MCAL/KG *	0.57	2.04		
CATTLE NE-M	MCAL/KG *	0.29	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.20		
CATTLE NE-LACTATION	MCAL/KG *	0.26	0.95		
CATTLE TDN	% *	13.4	48.3		
SHEEP TDN	% *	15.7	56.4		
CALCIUM	%	0.18	0.64		1
MAGNESIUM	%	0.09	0.33		1
PHOSPHORUS	%	0.04	0.16		1

PANICUM MAXIMUM, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-10-822

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.8	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	37.	37.		1
ORGANIC MATTER	%	31.9	91.8	7	1
ASH	%	3.3	9.4	7	5
SHEEP DIG COEF	%	52.	52.		
CRUDE FIBER	%	12.2	35.0	5	4
ETHER EXTRACT	%	0.5	1.5	5	4
NITROGEN FREE EXTRACT	%	17.0	48.9	1	4
PROTEIN	%	1.8	5.2	4	4
CATTLE DIG PROT	% *	0.8	2.3		
GOATS DIG PROT	% *	0.5	1.4		
HORSES DIG PROT	% *	0.7	1.9		
RABBITS DIG PROT	% *	0.9	2.7		
SHEEP DIG PROT	% *	0.6	1.8		
CELLULOSE (CRAMPTON)	%	13.8	39.6		1
CELLU (C) IN VITRO DIG COEF	%	40.	40.		1
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *	0.79	2.26		
SHEEP DE	MCAL/KG *	0.85	2.43		
CATTLE ME	MCAL/KG *	0.65	1.86		
SHEEP ME	MCAL/KG *	0.69	1.99		
CATTLE NE-M	MCAL/KG *	0.38	1.09		
CATTLE NE-GAIN	MCAL/KG *	0.12	0.33		
CATTLE NE-LACTATION	MCAL/KG *	0.37	1.05		
CATTLE TDN	% *	17.9	51.3		
SHEEP TDN	% *	19.2	55.1		

PANICUM MAXIMUM, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)

REF NO 2-09-624

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.0	100.0	11	4
ORGANIC MATTER	%	23.2	89.4	24	4
ASH	%	2.8	10.6	24	4
CRUDE FIBER	%	10.1	38.9	4	4
ETHER EXTRACT	%	0.7	2.8	11	4
NITROGEN FREE EXTRACT	%	11.3	43.3	4	4
PROTEIN	%	1.1	4.3	22	4
CATTLE DIG PROT	% *	0.4	1.5		
GOATS DIG PROT	% *	0.1	0.6		
HORSES DIG PROT	% *	0.3	1.2		
RABBITS DIG PROT	% *	0.5	2.0		
SHEEP DIG PROT	% *	0.3	1.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.49	1.88		
SHEEP DE	MCAL/KG *	0.62	2.38		
CATTLE ME	MCAL/KG *	0.40	1.54		
SHEEP ME	MCAL/KG *	0.51	1.95		
CATTLE NE-M	MCAL/KG *	0.24	0.93		
CATTLE NE-GAIN	MCAL/KG *	-0.01	-0.05		
CATTLE NE-LACTATION	MCAL/KG *	0.20	0.75		
CATTLE TDN	% *	11.1	42.7		
SHEEP TDN	% *	14.0	54.0		

PANICUM MAXIMUM, AERIAL PART, FRESH, 169 TO 182 DAYS' GROWTH, (2)

REF NO 2-11-299

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	36.5	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	33.	33.		1
ORGANIC MATTER	%	34.1	93.5		1
ASH	%	2.4	6.5		1
SHEEP DIG COEF	%	61.	61.		
CELLULOSE (CRAMPTON)	%	14.7	40.2		1
CELLU (C) IN VITRO DIG COEF	%	37.	37.		1

PANICUM MAXIMUM, AERIAL PART, FRESH, 225 TO 238 DAYS' GROWTH, (2)

REF NO 2-11-295

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	39.4	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	29.	29.		1
ORGANIC MATTER	%	36.4	92.5		1
ASH	%	3.0	7.5		1
SHEEP DIG COEF	%	63.	63.		
CELLULOSE (CRAMPTON)	%	16.4	41.7		1
CELLU (C) IN VITRO DIG COEF	%	35.	35.		1

PANICUM MAXIMUM, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-02-337

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.0	100.0		1
ORGANIC MATTER	%	24.3	90.1	24	7
ASH	%	2.8	10.5	24	8
CRUDE FIBER	%	7.7	28.6	16	8
ETHER EXTRACT	%	1.1	3.9	32	8
NITROGEN FREE EXTRACT	%	11.6	42.8	5	8
PROTEIN	%	3.8	14.1	26	8
CATTLE DIG PROT	% *	2.7	9.9		
GOATS DIG PROT	% *	2.6	9.8		
HORSES DIG PROT	% *	2.6	9.5		
RABBITS DIG PROT	% *	2.6	9.6		
SHEEP DIG PROT	% *	2.7	10.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.75	2.78		
SHEEP DE	MCAL/KG *	0.74	2.73		
CATTLE ME	MCAL/KG *	0.62	2.28		
SHEEP ME	MCAL/KG *	0.60	2.24		
CATTLE NE-M	MCAL/KG *	0.37	1.36		
CATTLE NE-GAIN	MCAL/KG *	0.21	0.76		
CATTLE NE-LACTATION	MCAL/KG *	0.39	1.46		
CATTLE TDN	% *	17.0	63.1		
SHEEP TDN	% *	16.7	61.9		
CALCIUM	%	0.18	0.65	31	7
COPPER	MG/KG	3.3	12.8	64	8
IRON	%	0.002	0.008		1
MANGANESE	MG/KG	13.5	49.9	34	6
PHOSPHORUS	%	0.07	0.26	53	7
ZINC	MG/KG	8.3	30.8	84	8

PANICUM MAXIMUM, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-17-661

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.9		
ASH	%		10.1		1
ETHER EXTRACT	%		5.3		1
NITROGEN FREE EXTRACT	%		43.3		1
PROTEIN	%		10.4		1
CATTLE DIG PROT	% *		6.7		
GOATS DIG PROT	% *		6.3		
HORSES DIG PROT	% *		6.4		
RABBITS DIG PROT	% *		6.7		
SHEEP DIG PROT	% *		6.7		
CELLULOSE (CRAMPTON)	%		30.6		1
CALCIUM	%		0.28		1
MAGNESIUM	%		0.26		1
PHOSPHORUS	%		0.30		1
ACID INSOLUBLE ASH (SILICA)	%		5.48		1

NAME OF NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-02-338						
DRY MATTER		%	24.4	100.0	27	17
ORGANIC MATTER		%	21.2	86.7	16	9
ASH		%	3.2	13.0	16	17
CRUDE FIBER		%	8.8	35.9	10	17
ETHER EXTRACT		%	0.4	1.6	29	17
NITROGEN FREE EXTRACT		%	9.3	38.1	8	17
PROTEIN		%	2.8	11.4	21	17
CATTLE	DIG PROT % *		1.8	7.6		
GOATS	DIG PROT % *		1.8	7.2		
HORSES	DIG PROT % *		1.8	7.2		
RABBITS	DIG PROT % *		1.8	7.5		
SHEEP	DIG PROT % *		1.9	7.6		
CELL CONTENTS (VAN SOEST)		%	7.5	30.8		3
CELL WALLS (VAN SOEST)		%	16.9	69.2		3
CELLULOSE (VAN SOEST)		%	8.3	34.1		3
FIBER, ACID DETERGENT (VS)		%	11.0	45.0		3
HEMICELLULOSE		%	5.9	24.2		3
LIGNIN KMNO4 (VS)		%	1.6	6.4		3
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.61	2.51		
SHEEP	DE MCAL/KG *		0.59	2.44		
CATTLE	ME MCAL/KG *		0.50	2.06		
SHEEP	ME MCAL/KG *		0.49	2.00		
CATTLE	NE-M MCAL/KG *		0.30	1.21		
CATTLE	NE-GAIN MCAL/KG *		0.13	0.55		
CATTLE	NE-LACTATION MCAL/KG *		0.30	1.24		
CATTLE	TDN % *		13.9	56.9		
SHEEP	TDN % *		13.5	55.2		
ALUMINUM		MG/KG	33.69	138.00		2
BORON		MG/KG	2.075	8.500		2
CALCIUM		%	0.13	0.51	10	18
COPPER		MG/KG	7.7	31.5		2
IRON		%	0.036	0.147		2
MAGNESIUM		%	0.07	0.29		2
MANGANESE		MG/KG	44.9	184.0		2
MOLYBDENUM		MG/KG	0.35	1.44		2
PHOSPHORUS		%	0.06	0.24	25	18
POTASSIUM		%	0.51	2.10		2
SILICON		%	0.08	0.33		2
ZINC		MG/KG	10.3	42.0		2
PANICUM MAXIMUM, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-10-565						
DRY MATTER		%	22.6	100.0		1
ORGANIC MATTER		%	19.8	87.6		
ASH		%	2.8	12.4		1
CRUDE FIBER		%	8.6	38.0		1
ETHER EXTRACT		%	0.3	1.4		1
NITROGEN FREE EXTRACT		%	9.4	41.5		1
PROTEIN		%	1.3	5.9		1
CATTLE	DIG PROT % *		0.7	2.9		
GOATS	DIG PROT % *		0.5	2.1		
HORSES	DIG PROT % *		0.6	2.5		
RABBITS	DIG PROT % *		0.7	3.2		
SHEEP	DIG PROT % *		0.6	2.5		
ENERGY	GE MCAL/KG					
CATTLE	DE MCAL/KG *		0.52	2.30		
SHEEP	DE MCAL/KG *		0.52	2.31		
CATTLE	ME MCAL/KG *		0.43	1.88		
SHEEP	ME MCAL/KG *		0.43	1.90		
CATTLE	NE-M MCAL/KG *		0.25	1.11		
CATTLE	NE-GAIN MCAL/KG *		0.08	0.36		
CATTLE	NE-LACTATION MCAL/KG *		0.24	1.08		
CATTLE	TDN % *		11.8	52.1		
SHEEP	TDN % *		11.9	52.4		
CALCIUM		%	0.09	0.39		1
COPPER		MG/KG	3.2	14.1		1
IRON		%	0.008	0.037		1
MAGNESIUM		%	0.06	0.25		1
MANGANESE		MG/KG	7.1	31.4		1
PHOSPHORUS		%	0.05	0.24		1
POTASSIUM		%	0.55	2.44		1
SODIUM		%	0.02	0.09		1
PANICUM MAXIMUM, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-09-[illegible]19						
DRY MATTER		%	22.0	100.0		1
ORGANIC MATTER		%	20.6	93.6		
ASH		%	2.2	9.6		1
CRUDE FIBER		%	8.7	39.8		1
ETHER EXTRACT		%	0.2	0.9		1
NITROGEN FREE EXTRACT		%	9.5	43.7		1
PROTEIN		%	2.2	9.0		1
CATTLE	DIG PROT % *		1.6	6.1		
GOATS	DIG PROT % *		1.3	5.6		
HORSES	DIG PROT % *		1.5	5.7		
RABBITS	DIG PROT % *		1.4	6.1		
SHEEP	DIG PROT % *		1.4	6.0		
CELL CONTENTS (VAN SOEST)		%	6.1	26.9		2
CELL WALLS (VAN SOEST)		%	16.7	73.2		2
CELLULOSE (VAN SOEST)		%	8.5	37.4		2
FIBER, ACID DETERGENT (VS)		%	10.8	47.4		2
HEMICELLULOSE		%	5.9	25.8		2
LIGNIN KMNO4 (VS)		%	1.6	6.8		2
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.60	2.62		
SHEEP	DE MCAL/KG *		0.55	2.40		
CATTLE	ME MCAL/KG *		0.49	2.15		
SHEEP	ME MCAL/KG *		0.45	1.97		
CATTLE	NE-M MCAL/KG *		0.29	1.27		
CATTLE	NE-GAIN MCAL/KG *		0.15	0.64		
CATTLE	NE-LACTATION MCAL/KG *		0.30	1.33		
CATTLE	TDN % *		13.6	59.5		
SHEEP	TDN % *		12.4	54.4		
PANICUM MAXIMUM, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-10-823						
DRY MATTER		%	24.3	100.0		1
ORGANIC MATTER		%	21.3	87.7		
ASH		%	3.0	12.3		1
CRUDE FIBER		%	10.6	43.5		1
ETHER EXTRACT		%	0.3	1.1		1
NITROGEN FREE EXTRACT		%	9.3	38.2		1
PROTEIN		%	1.2	4.9		1
CATTLE	DIG PROT % *		0.5	2.1		
GOATS	DIG PROT % *		0.3	1.1		
HORSES	DIG PROT % *		0.4	1.7		
RABBITS	DIG PROT % *		0.6	2.5		
SHEEP	DIG PROT % *		0.4	1.6		
CALCIUM		%	0.11	0.45		1
COPPER		MG/KG	1.6	6.7		1
IRON		%	0.007	0.030		1
MAGNESIUM		%	0.08	0.34		1
MANGANESE		MG/KG	24.5	100.7		1
PHOSPHORUS		%	0.06	0.26		1
POTASSIUM		%	0.44	1.82		1
SODIUM		%	0.02	0.07		1
PANICUM MAXIMUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-09-409						
DRY MATTER		%	25.2	100.0	18	22
ORGANIC MATTER		%	22.1	87.6	20	14
ASH		%	3.1	12.5	20	20
CRUDE FIBER		%	9.4	37.3	11	20
ETHER EXTRACT		%	0.4	1.5	34	20
NITROGEN FREE EXTRACT		%	9.9	39.2	10	20
PROTEIN		%	2.4	9.5	34	22
CATTLE	DIG PROT % *		1.5	6.0		
GOATS	DIG PROT % *		1.4	5.4		
HORSES	DIG PROT % *		1.4	5.6		
RABBITS	DIG PROT % *		1.5	6.0		
SHEEP	DIG PROT % *		1.5	5.8		
ENERGY	GE MCAL/KG					
CATTLE	DE MCAL/KG *		0.62	2.47		
SHEEP	DE MCAL/KG *		0.60	2.39		
CATTLE	ME MCAL/KG *		0.51	2.02		
SHEEP	ME MCAL/KG *		0.49	1.96		
CATTLE	NE-M MCAL/KG *		0.30	1.19		
CATTLE	NE-GAIN MCAL/KG *		0.13	0.51		
CATTLE	NE-LACTATION MCAL/KG *		0.31	1.21		
CATTLE	TDN % *		14.1	56.0		
SHEEP	TDN % *		13.7	54.3		
CALCIUM		%	0.14	0.56	66	16
PHOSPHORUS		%	0.06	0.22	52	16
PANICUM MAXIMUM, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)						
REF NO 2-10-562						
DRY MATTER		%	25.3	100.0		2
ORGANIC MATTER		%	22.3	88.3		
ASH		%	3.0	11.7		2
CRUDE FIBER		%	10.6	41.9		2
ETHER EXTRACT		%	0.3	1.3		2
NITROGEN FREE EXTRACT		%	10.3	40.6		2
PROTEIN		%	1.1	4.6		2
CATTLE	DIG PROT % *		0.4	1.8		
GOATS	DIG PROT % *		0.2	0.8		
HORSES	DIG PROT % *		0.4	1.6		
RABBITS	DIG PROT % *		0.6	2.0		
SHEEP	DIG PROT % *		0.3	1.2		
ENERGY	GE MCAL/KG					
CATTLE	DE MCAL/KG *		0.56	2.23		
SHEEP	DE MCAL/KG *		0.57	2.26		
CATTLE	ME MCAL/KG *		0.46	1.83		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	ME	MCAL/KG *	0.47	1.86		
CATTLE	NE-M	MCAL/KG *	0.27	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.30		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.02		
CATTLE	TDN	% *	12.8	50.5		
SHEEP	TDN	% *	13.0	51.3		
CALCIUM		%	0.10	0.38		1
COPPER		MG/KG	8.4	33.3		1
IRON		%	0.007	0.026		1
MAGNESIUM		%	0.05	0.18		1
MANGANESE		MG/KG	2.7	10.8		1
PHOSPHORUS		%	0.10	0.38		1
POTASSIUM		%	0.57	2.27		1
SODIUM		%	0.02	0.07		1

PANICUM MAXIMUM, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)

REF NO 2-IC 557

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.8	100.0	15	4
ORGANIC MATTER		%	22.9	88.6		
ASH		%	3.0	11.5	16	4
CRUDE FIBER		%	10.8	41.9	3	4
ETHER EXTRACT		%	0.4	1.5	26	4
NITROGEN FREE EXTRACT		%	10.6	40.9	6	4
PROTEIN		%	1.1	4.3	8	4
CATTLE	DIG PROT	% *	0.4	1.5		
GOATS	DIG PROT	% *	0.1	0.5		
HORSES	DIG PROT	% *	0.3	1.1		
RABBITS	DIG PROT	% *	0.5	7.0		
SHEEP	DIG PROT	% *	0.2	1.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.54	2.11		
SHEEP	DE	MCAL/KG *	0.59	2.28		
CATTLE	ME	MCAL/KG *	0.45	1.73		
SHEEP	ME	MCAL/KG *	0.48	1.87		
CATTLE	NE-M	MCAL/KG *	0.27	1.03		
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.19		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	0.93		
CATTLE	TDN	% *	12.4	47.9		
SHEEP	TDN	% *	13.3	51.6		

PANICUM MAXIMUM, AERIAL PART, FRESH, FULL BLOOM, CUT 1, (2)

REF NO 2-02-340

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.8		
ASH		%		9.2		1
CRUDE FIBER		%		34.1		1
ETHER EXTRACT		%		2.6		1
NITROGEN FREE EXTRACT		%		45.4		1
PROTEIN		%		8.7		1
CATTLE	DIG PROT	% *		5.3		
GOATS	DIG PROT	% *		4.7		
HORSES	DIG PROT	% *		4.9		
RABBITS	DIG PROT	% *		5.4		
SHEEP	DIG PROT	% *		5.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.34		
SHEEP	DE	MCAL/KG *		2.54		
CATTLE	ME	MCAL/KG *		1.92		
SHEEP	ME	MCAL/KG *		2.09		
CATTLE	NE-M	MCAL/KG *		1.13		
CATTLE	NE-GAIN	MCAL/KG *		0.40		
CATTLE	NE-LACTATION	MCAL/KG *		1.11		
CATTLE	TDN	% *		53.1		
SHEEP	TDN	% *		57.7		

PANICUM MAXIMUM, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-10-342

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.1	100.0	7	4
ORGANIC MATTER		%	22.4	89.3	11	4
ASH		%	2.7	10.7	11	4
CRUDE FIBER		%	9.2	37.1	6	4
ETHER EXTRACT		%	0.4	1.5	25	4
NITROGEN FREE EXTRACT		%	10.7	42.5	9	4
PROTEIN		%	2.1	8.2	68	4
CATTLE	DIG PROT	% *	1.2	4.8		
GOATS	DIG PROT	% *	1.1	4.2		
HORSES	DIG PROT	% *	1.1	4.5		
RABBITS	DIG PROT	% *	1.3	5.0		
SHEEP	DIG PROT	% *	1.2	4.8		
CELL CONTENTS (VAN SOEST)		%	6.9	27.6		2
CELL WALLS (VAN SOEST)		%	18.2	72.4		2
CELLULOSE (VAN SOEST)		%	8.9	35.7		2
FIBER, ACID DETERGENT (VS)		%	11.5	46.0		2
HEMICELLULOSE		%	6.6	26.4		2
LIGNIN RHUDA (VS)		%	1.9	5.8		2
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.36		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DE	MCAL/KG *	0.61	2.41		
CATTLE	ME	MCAL/KG *	0.49	1.93		
SHEEP	ME	MCAL/KG *	0.50	1.98		
CATTLE	NE-M	MCAL/KG *	0.29	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.42		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.13		
CATTLE	TDN	% *	13.4	53.5		
SHEEP	TDN	% *	13.7	54.7		
CALCIUM		%	0.15	0.60	47	4
PHOSPHORUS		%	0.07	0.29	33	4

PANICUM MAXIMUM, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-15-483

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.5	100.0		1
ORGANIC MATTER		%	20.3	86.4		
ASH		%	3.2	13.6		1
CRUDE FIBER		%	6.6	28.0		1
ETHER EXTRACT		%	0.4	1.9		1
NITROGEN FREE EXTRACT		%	10.8	45.9		1
PROTEIN		%	2.3	9.9		1
CATTLE	DIG PROT	% *	1.5	6.3		
GOATS	DIG PROT	% *	1.4	5.8		
HORSES	DIG PROT	% *	1.4	5.9		
RABBITS	DIG PROT	% *	1.5	6.3		
SHEEP	DIG PROT	% *	1.5	6.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.49		
SHEEP	DE	MCAL/KG *	0.60	2.53		
CATTLE	ME	MCAL/KG *	0.48	2.04		
SHEEP	ME	MCAL/KG *	0.49	2.08		
CATTLE	NE-M	MCAL/KG *	0.28	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.23		
CATTLE	TDN	% *	13.3	56.6		
SHEEP	TDN	% *	13.5	57.5		

PANICUM MAXIMUM, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-02-342

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.5	100.0		1
ORGANIC MATTER		%	17.0	87.2		
ASH		%	2.5	12.8	20	14
CRUDE FIBER		%	8.2	41.8	12	14
ETHER EXTRACT		%	0.7	3.6	26	14
NITROGEN FREE EXTRACT		%	6.0	30.7	24	13
PROTEIN		%	2.2	11.1	27	14
CATTLE	DIG PROT	% *	1.4	7.3		
GOATS	DIG PROT	% *	1.3	6.9		
HORSES	DIG PROT	% *	1.4	7.0		
RABBITS	DIG PROT	% *	1.4	7.2		
SHEEP	DIG PROT	% *	1.4	7.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.50	2.56		
SHEEP	ME	MCAL/KG *	0.41	2.10		
SHEEP	TDN	% *	11.3	58.1		
CALCIUM		%	0.12	0.62	36	12
COBALT		MG/KG	0.026	0.131	81	12
COPPER		MG/KG	1.4	7.3	26	12
MANGANESE		MG/KG	16.6	85.3	65	12
MOLYBDENUM		MG/KG	0.04	0.21	79	12
PHOSPHORUS		%	0.14	0.70	27	12

PANICUM MAXIMUM, AERIAL PART, FRESH, POST RIPE, (2)

REF NO 2-02-343

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	21.9	87.4		1
ASH		%	3.2	12.6		1
CRUDE FIBER		%	10.3	41.2		1
ETHER EXTRACT		%	0.2	0.9		1
NITROGEN FREE EXTRACT		%	10.7	42.7		1
PROTEIN		%	0.7	2.6		1
CATTLE	DIG PROT	% *	0.0	0.1		
GOATS	DIG PROT	% *	-0.3	-1.0		
HORSES	DIG PROT	% *	-0.1	-0.3		
RABBITS	DIG PROT	% *	0.2	0.7		
SHEEP	DIG PROT	% *	-0.1	-0.6		
ENERGY	ME	MCAL/KG				
CATTLE	DE	MCAL/KG *	0.58	2.34		
CATTLE	ME	MCAL/KG *	0.48	1.92		
CATTLE	NE-M	MCAL/KG *	0.28	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.11		
CATTLE	TDN	% *	13.3	53.0		
CALCIUM		%	0.12	0.46		1
PHOSPHORUS		%	0.05	0.19		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-02-344						
DRY MATTER		%	16.4	100.0		1
ORGANIC MATTER		%	15.1	92.0		
ASH		%	1.3	8.0		1
CRUDE FIBER		%	6.2	37.7		1
ETHER EXTRACT		%	0.4	2.2		1
NITROGEN FREE EXTRACT		%	7.5	45.6		1
PROTEIN		%	1.1	6.5		1
CATTLE	DIG PROT	% *	0.6	3.4		
GOATS	DIG PROT	% *	0.4	2.6		
HORSES	DIG PROT	% *	0.5	3.0		
RABBITS	DIG PROT	% *	0.6	3.7		
SHEEP	DIG PROT	% *	0.5	3.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.35	2.12		
SHEEP	DE MCAL/KG	*	0.40	2.46		
CATTLE	ME MCAL/KG	*	0.29	1.74		
SHEEP	ME MCAL/KG	*	0.33	2.02		
CATTLE	NE-M MCAL/KG	*	0.17	1.03		
CATTLE	NE-GAIN MCAL/KG	*	0.03	0.20		
CATTLE	NE-LACTATION MCAL/KG	*	0.15	0.94		
CATTLE	TDN	% *	7.9	48.2		
SHEEP	TDN	% *	9.2	55.9		
CALCIUM		%	0.08	0.46		1
COPPER		MG/KG	7.2	43.8		1
IRON		%	0.010	0.063		1
MAGNESIUM		%	0.04	0.25		1
MANGANESE		MG/KG	3.9	24.0		1
PHOSPHORUS		%	0.03	0.18		1
POTASSIUM		%	0.51	3.10		1
SODIUM		%	0.02	0.10		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH FERTILIZED (2)						
REF NO 2-10-856						
DRY MATTER		%	23.3	100.0	17	7
ORGANIC MATTER		%	20.5	87.7		
ASH		%	2.9	12.3	9	4
CRUDE FIBER		%	7.8	33.5	7	7
ETHER EXTRACT		%	0.3	1.5	18	4
NITROGEN FREE EXTRACT		%	10.0	43.1		1
PROTEIN		%	2.3	9.7	27	8
CATTLE	DIG PROT	% *	1.4	6.1		
GOATS	DIG PROT	% *	1.3	5.6		
HORSES	DIG PROT	% *	1.3	5.8		
RABBITS	DIG PROT	% *	1.4	6.1		
SHEEP	DIG PROT	% *	1.4	6.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.58	2.49		
SHEEP	DE MCAL/KG	*	0.57	2.45		
CATTLE	ME MCAL/KG	*	0.48	2.04		
SHEEP	ME MCAL/KG	*	0.47	2.01		
CATTLE	NE-M MCAL/KG	*	0.28	1.20		
CATTLE	NE-GAIN MCAL/KG	*	0.12	0.53		
CATTLE	NE-LACTATION MCAL/KG	*	0.29	1.23		
CATTLE	TDN	% *	13.2	56.5		
SHEEP	TDN	% *	13.0	55.6		
CALCIUM		%	0.07	0.30	35	4
COBALT		MG/KG	0.233	1.000		1
PHOSPHORUS		%	0.01	0.04		2
POTASSIUM		%	0.04	0.18		1
SULPHUR		%	0.41	1.77		1
ZINC		MG/KG	8.4	36.0		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH FERTILIZED, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-11-307						
DRY MATTER		%	17.8	100.0	17	59
DM IN VITRO (TILLY)	DIG COEF	%	55.	55.	0	0
ORGANIC MATTER		%	15.6	87.3		
ASH		%	2.3	12.7		1
ETHER EXTRACT		%	0.5	2.9		1
NITROGEN FREE EXTRACT		%	6.3	35.5		1
PROTEIN		%	3.1	17.2	26	59
CATTLE	DIG PROT	% *	2.7	12.5		
GOATS	DIG PROT	% *	2.2	12.6		
HORSES	DIG PROT	% *	2.7	12.1		
RABBITS	DIG PROT	% *	2.1	11.9		
SHEEP	DIG PROT	% *	2.3	13.0		
CELLULOSE (CRAMPTON)		%	4.4	24.5		1
CALCIUM		%	0.25	1.38		1
PHOSPHORUS		%	0.07	0.40		1
POTASSIUM		%	0.38	2.11		1
SODIUM		%	0.01	0.05		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-11-308						
DRY MATTER		%	19.8	100.0	14	29
DM IN VITRO (TILLY)	DIG COEF	%	59.	59.	3	18
ORGANIC MATTER		%	17.2	87.0		
ASH		%	2.6	13.0		2
ETHER EXTRACT		%	0.4	2.1		2
NITROGEN FREE EXTRACT		%	7.3	36.9		2
PROTEIN		%	2.5	12.5	29	29
CATTLE	DIG PROT	% *	1.7	8.5		
GOATS	DIG PROT	% *	1.6	8.2		
HORSES	DIG PROT	% *	1.6	8.1		
RABBITS	DIG PROT	% *	1.6	8.3		
SHEEP	DIG PROT	% *	1.7	8.6		
CELLULOSE (CRAMPTON)		%	5.9	29.7		2
CALCIUM		%	0.26	1.31		2
PHOSPHORUS		%	0.07	0.36		2
POTASSIUM		%	0.40	2.00		2
SODIUM		%	0.02	0.11		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-305						
DRY MATTER		%	21.2	100.0	15	25
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.	6	27
ORGANIC MATTER		%	18.5	87.2		
ASH		%	2.7	12.6	7	11
CRUDE FIBER		%	6.7	31.5	5	8
CATTLE	DIG COEF	%	56.	56.		1
ETHER EXTRACT		%	0.4	2.1	29	11
CATTLE	DIG COEF	%	55.	55.		1
NITROGEN FREE EXTRACT		%	9.2	43.6	5	10
CATTLE	DIG COEF	%	42.	42.		1
PROTEIN		%	2.1	10.1	22	29
CATTLE	DIG COEF	%	83.	83.		1
CATTLE	DIG PROT	%	1.8	8.4		
GOATS	DIG PROT	% *	1.3	5.9		
HORSES	DIG PROT	% *	1.3	6.1		
RABBITS	DIG PROT	% *	1.4	6.4		
SHEEP	DIG PROT	% *	1.3	6.4		
CELLULOSE (CRAMPTON)		%	7.6	35.9		3
LIGNIN (ELLIS)		%	2.5	11.7		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.44	2.07		
SHEEP	DE MCAL/KG	*	0.53	2.51		
CATTLE	ME MCAL/KG	*	0.36	1.69		
SHEEP	ME MCAL/KG	*	0.44	2.06		
CATTLE	NE-M MCAL/KG	*	0.21	1.01		
CATTLE	NE-GAIN MCAL/KG	*	0.03	0.16		
CATTLE	NE-LACTATION MCAL/KG	*	0.19	0.90		
CATTLE	TDN	%	9.9	46.9		1
SHEEP	TDN	% *	12.0	56.9		
CALCIUM		%	0.17	0.82	32	7
COPPER		MG/KG	1.3	6.3		1
IRON		%	0.011	0.053		1
MAGNESIUM		%	0.06	0.30		1
MANGANESE		MG/KG	8.3	39.2		1
PHOSPHORUS		%	0.06	0.29	12	7
POTASSIUM		%	0.35	1.64		2
SODIUM		%	0.02	0.09		2
DM INTAKE, CATTLE	% OF BODY WT		0.59	2.78		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, AERIAL PART, FRESH FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-320						
DRY MATTER		%	23.0	100.0	13	21
DM IN VITRO (TILLY)	DIG COEF	%	56.	56.	5	25
ORGANIC MATTER		%	20.6	90.0		
ASH		%	2.3	10.0	36	7
CRUDE FIBER		%	7.7	33.4	4	6
CATTLE	DIG COEF	%	54.	54.		1
ETHER EXTRACT		%	0.7	3.0	98	7
CATTLE	DIG COEF	%	48.	48.		1
NITROGEN FREE EXTRACT		%	10.5	45.6	3	7
CATTLE	DIG COEF	%	49.	49.		1
PROTEIN		%	1.8	7.9	23	21
CATTLE	DIG COEF	%	54.	54.		1
CATTLE	DIG PROT	%	1.0	4.3		
GOATS	DIG PROT	% *	0.9	4.0		
HORSES	DIG PROT	% *	1.0	4.3		
RABBITS	DIG PROT	% *	1.1	4.8		
SHEEP	DIG PROT	% *	1.0	4.4		
CELLULOSE (CRAMPTON)		%	7.8	34.0		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.48	2.11		
SHEEP	DE MCAL/KG	*	0.58	2.53		
CATTLE	ME MCAL/KG	*	0.40	1.73		
SHEEP	ME MCAL/KG	*	0.48	2.08		
CATTLE	NE-M MCAL/KG	*	0.24	1.03		
CATTLE	NE-GAIN MCAL/KG	*	0.04	0.19		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION		MCAL/KG *	0.21	0.93		
CATTLE		TDN %	11.0	47.9		1
SHEEP		TDN % *	13.2	57.5		
CALCIUM		%	0.14	0.60	33	6
PHOSPHORUS		%	0.06	0.25	10	6
POTASSIUM		%	0.28	1.21		1
SODIUM		%	0.02	0.10		1
DM INTAKE, CATTLE	% OF BODY WT		0.57	2.49		1

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-333

DRY MATTER		%	22.4	100.0	13	11
DM IN VITRO (TILLY)	DIG COEF	%	54.	54.		
ORGANIC MATTER		%	19.7			
ASH		%	2.7	[illegible]	8	5
CRUDE FIBER		%	7.9	35.4	7	5
CATTLE	DIG COEF	%	53.	53.		1
ETHER EXTRACT		%	0.5	2.1	15	5
CATTLE	DIG COEF	%	39.	39.		1
NITROGEN FREE EXTRACT		%	9.3	41.5	5	5
CATTLE	DIG COEF	%	35.	35.		1
PROTEIN		%	2.0	9.1	24	16
CATTLE	DIG COEF	%	24.	24.		1
CATTLE	DIG PROT	%	0.5	2.2		
GOATS	DIG PROT	% *	1.1	5.1		
HORSES	DIG PROT	% *	1.2	5.3		
RABBITS	DIG PROT	% *	1.3	5.7		
SHEEP	DIG PROT	% *	1.2	5.5		
LIGNIN (ELLIS)		%	2.1	9.4		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.37	1.64		
SHEEP	DE	MCAL/KG *	0.55	2.46		
CATTLE	ME	MCAL/KG *	0.30	1.35		
SHEEP	ME	MCAL/KG *	0.45	2.02		
CATTLE	NE-M	MCAL/KG *	0.19	0.85		
CATTLE	NE-GAIN	MCAL/KG *	-0.07	-0.32		
CATTLE	NE-LACTATION	MCAL/KG *	0.13	0.57		
CATTLE		TDN %	8.3	37.3		1
SHEEP		TDN % *	12.5	55.7		
CALCIUM		%	0.15	0.65		1
MAGNESIUM		%	0.10	0.43		1
PHOSPHORUS		%	0.04	0.19		1
POTASSIUM		%	0.53	2.36		1
DM INTAKE, CATTLE	% OF BODY WT		0.52	2.30		1

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-824

DRY MATTER		%	23.9	100.0	28	11
PROTEIN		%	2.8	11.9	56	11
CATTLE	DIG PROT	% *	1.9	8.0		
GOATS	DIG PROT	% *	1.8	7.7		
HORSES	DIG PROT	% *	1.8	7.6		
RABBITS	DIG PROT	% *	1.9	7.8		
SHEEP	DIG PROT	% *	1.9	8.1		

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-10-847

DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		46.	7	4
ORGANIC MATTER		%		87.4		
ASH		%		12.6		1
ETHER EXTRACT		%		1.3		1
PROTEIN		%		5.6		1
CATTLE	DIG PROT	% *		2.7		
GOATS	DIG PROT	% *		1.8		
HORSES	DIG PROT	% *		2.3		
RABBITS	DIG PROT	% *		3.8		
SHEEP	DIG PROT	% *		2.2		
CELLULOSE (CRAMPTON)		%		62.2		1
LIGNIN (ELLIS)		%		12.8		1

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, 113 TO 126 DAYS' GROWTH,
(2)

REF NO 2-10-848

DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		48.	18	4
ORGANIC MATTER		%		90.1		
ASH		%		9.9		1
ETHER EXTRACT		%		1.5		1
PROTEIN		%		5.5		1
CATTLE	DIG PROT	% *		2.0		
GOATS	DIG PROT	% *		1.7		
HORSES	DIG PROT	% *		2.2		
RABBITS	DIG PROT	% *		2.9		
SHEEP	DIG PROT	% *		2.1		
CELLULOSE (CRAMPTON)		%		46.1		1
LIGNIN (ELLIS)		%		22.7		1

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, EARLY VEGETATIVE, (2)

REF NO 2-11-305

DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.9		
ASH		%		10.1		1
CRUDE FIBER		%		34.1		1
ETHER EXTRACT		%		2.5		1
NITROGEN FREE EXTRACT		%		46.3		1
PROTEIN		%		7.0		1
CATTLE	DIG PROT	% *		3.8		
GOATS	DIG PROT	% *		3.1		
HORSES	DIG PROT	% *		3.5		
RABBITS	DIG PROT	% *		4.1		
SHEEP	DIG PROT	% *		3.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.27		
SHEEP	DE	MCAL/KG *		2.50		
CATTLE	ME	MCAL/KG *		1.86		
SHEEP	ME	MCAL/KG *		2.05		
CATTLE	NE-M	MCAL/KG *		1.[illegible]		
CATTLE	NE-GAIN	MCAL/KG *		0.34		
CATTLE	NE-LACTATION	MCAL/KG *		1.06		
CATTLE		TDN % *		51.4		
SHEEP		TDN % *		56.6		

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, CUT 2, (2)

REF NO 2-10-086

DRY MATTER		%		100.0		
PROTEIN		%		5.5	5	5
CATTLE	DIG PROT	% *		2.5		
GOATS	DIG PROT	% *		1.7		
HORSES	DIG PROT	% *		2.2		
RABBITS	DIG PROT	% *		2.9		
SHEEP	DIG PROT	% *		2.1		

PANICUM MAXIMUM, AERIAL PART, FRESH
FERTILIZED, CUT 3, (2)

REF NO 2-10-087

DRY MATTER		%		100.0		
PROTEIN		%		4.7	8	5
CATTLE	DIG PROT	% *		1.9		
GOATS	DIG PROT	% *		0.9		
HORSES	DIG PROT	% *		1.5		
RABBITS	DIG PROT	% *		2.3		
SHEEP	DIG PROT	% *		1.4		

PANICUM MAXIMUM, LEAVES, FRESH, (2)

REF NO 2-09-596

DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.2		
ASH		%		12.6	28	26
CRUDE FIBER		%		28.6	18	26
ETHER EXTRACT		%		2.0	35	26
NITROGEN FREE EXTRACT		%		46.1	20	26
PROTEIN		%		10.5	70	26
CATTLE	DIG PROT	% *		6.8		
GOATS	DIG PROT	% *		6.4		
HORSES	DIG PROT	% *		6.5		
RABBITS	DIG PROT	% *		6.6		
SHEEP	DIG PROT	% *		6.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.52		
SHEEP	DE	MCAL/KG *		2.57		
CATTLE	ME	MCAL/KG *		2.07		
SHEEP	ME	MCAL/KG *		2.11		
CATTLE	NE-M	MCAL/KG *		1.22		
CATTLE	NE-GAIN	MCAL/KG *		0.56		
CATTLE	NE-LACTATION	MCAL/KG *		1.26		
CATTLE		TDN % *		57.3		
SHEEP		TDN % *		58.2		
CALCIUM		%		0.60	49	26
PHOSPHORUS		%		0.25	61	26

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, LEAVES, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-09-664						
DRY MATTER		%	23.3	100.0	5	7
ORGANIC MATTER		%	20.2	86.5		
ASH		%	3.1	13.5	10	7
CRUDE FIBER		%	6.8	29.3	8	7
ETHER EXTRACT		%	0.5	2.3	16	7
NITROGEN FREE EXTRACT		%	10.3	44.0	6	7
PROTEIN		%	2.5	10.9	15	7
CATTLE	DIG PROT % *		1.7	7.1		
GOATS	DIG PROT % *		1.6	6.7		
HORSES	DIG PROT % *		1.6	6.7		
RABBITS	DIG PROT % *		1.6	7.1		
SHEEP	DIG PROT % *		1.7	7.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.57	2.46		
SHEEP	DE MCAL/KG *		0.59	2.55		
CATTLE	ME MCAL/KG *		0.47	2.02		
SHEEP	ME MCAL/KG *		0.49	2.09		
CATTLE	NE-M MCAL/KG *		0.28	1.19		
CATTLE	NE-GAIN MCAL/KG *		0.12	0.50		
CATTLE	NE-LACTATION MCAL/KG *		0.28	1.20		
CATTLE	TDN % *		13.0	55.7		
SHEEP	TDN % *		13.5	57.8		
CALCIUM		%	0.19	0.81	19	5
PHOSPHORUS		%	0.08	0.33	10	5
PANICUM MAXIMUM, LEAVES, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-09-671						
DRY MATTER		%	24.3	100.0	2	4
ORGANIC MATTER		%	21.3	87.7		
ASH		%	3.0	12.3	5	4
CRUDE FIBER		%	7.4	30.4	19	5
ETHER EXTRACT		%	0.5	2.2	11	5
NITROGEN FREE EXTRACT		%	11.1	45.9	3	5
PROTEIN		%	2.2	9.2	15	5
CATTLE	DIG PROT % *		1.4	5.7		
GOATS	DIG PROT % *		1.2	5.1		
HORSES	DIG PROT % *		1.3	5.3		
RABBITS	DIG PROT % *		1.4	5.8		
SHEEP	DIG PROT % *		1.3	5.5		
LIGNIN (ELLIS)		%	2.0	8.3		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.59	2.44		
SHEEP	DE MCAL/KG *		0.62	2.54		
CATTLE	ME MCAL/KG *		0.49	2.00		
SHEEP	ME MCAL/KG *		0.50	2.08		
CATTLE	NE-M MCAL/KG *		0.29	1.18		
CATTLE	NE-GAIN MCAL/KG *		0.12	0.49		
CATTLE	NE-LACTATION MCAL/KG *		0.29	1.19		
CATTLE	TDN % *		13.4	55.3		
SHEEP	TDN % *		14.0	57.5		
CALCIUM		%	0.18	0.73	19	5
MAGNESIUM		%	0.09	0.37		1
PHOSPHORUS		%	0.06	0.26	11	5
POTASSIUM		%	0.44	1.80		1
PANICUM MAXIMUM, LEAVES, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-09-675						
DRY MATTER		%	27.3	100.0		3
ORGANIC MATTER		%	23.8	87.1		
ASH		%	3.5	12.9		3
CRUDE FIBER		%	9.1	33.2		3
ETHER EXTRACT		%	0.6	2.2		3
NITROGEN FREE EXTRACT		%	11.8	43.1		3
PROTEIN		%	2.3	8.6		3
CATTLE	DIG PROT % *		1.4	5.2		
GOATS	DIG PROT % *		1.3	4.6		
HORSES	DIG PROT % *		1.3	4.8		
RABBITS	DIG PROT % *		1.4	5.3		
SHEEP	DIG PROT % *		1.4	5.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.62	2.30		
SHEEP	DE MCAL/KG *		0.67	2.47		
CATTLE	ME MCAL/KG *		0.52	1.89		
SHEEP	ME MCAL/KG *		0.55	2.02		
CATTLE	NE-M MCAL/KG *		0.30	1.11		
CATTLE	NE-GAIN MCAL/KG *		0.10	0.37		
CATTLE	NE-LACTATION MCAL/KG *		0.30	1.06		
CATTLE	TDN % *		14.2	52.2		
SHEEP	TDN % *		15.3	55.9		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, LEAVES, FRESH, 85 TO 98 DAYS' GROWTH, (2)						
REF NO 2-15-458						
DRY MATTER		%	17.0	100.0		1
ORGANIC MATTER		%	14.8	86.8		
ASH		%	2.2	13.2		1
CRUDE FIBER		%	6.3	37.1		1
PROTEIN		%	1.2	6.9		1
CATTLE	DIG PROT % *		0.6	3.8		
GOATS	DIG PROT % *		0.5	3.0		
HORSES	DIG PROT % *		0.6	3.4		
RABBITS	DIG PROT % *		0.7	4.0		
SHEEP	DIG PROT % *		0.6	3.4		
PANICUM MAXIMUM, LEAVES, FRESH, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-15-459						
DRY MATTER		%	20.2	100.0		1
ORGANIC MATTER		%	17.7	87.7		
ASH		%	2.5	12.3		1
CRUDE FIBER		%	7.2	35.4		1
PROTEIN		%	1.1	5.2		1
CATTLE	DIG PROT % *		0.5	2.3		
GOATS	DIG PROT % *		0.3	1.4		
HORSES	DIG PROT % *		0.4	1.9		
RABBITS	DIG PROT % *		0.5	2.7		
SHEEP	DIG PROT % *		0.4	1.8		
PANICUM MAXIMUM, LEAVES, FRESH FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-313						
DRY MATTER		%	21.3	100.0	5	7
ORGANIC MATTER		%	18.7	87.9		
ASH		%	2.6	12.1	8	7
CRUDE FIBER		%	6.4	30.1	4	7
ETHER EXTRACT		%	0.6	3.0	13	7
NITROGEN FREE EXTRACT		%	9.0	42.4	6	7
PROTEIN		%	2.6	12.5	13	7
CATTLE	DIG PROT % *		1.8	8.5		
GOATS	DIG PROT % *		1.7	8.2		
HORSES	DIG PROT % *		1.7	8.1		
RABBITS	DIG PROT % *		1.8	8.3		
SHEEP	DIG PROT % *		1.8	8.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.53	2.49		
SHEEP	DE MCAL/KG *		0.56	2.61		
CATTLE	ME MCAL/KG *		0.44	2.05		
SHEEP	ME MCAL/KG *		0.46	2.14		
CATTLE	NE-M MCAL/KG *		0.26	1.21		
CATTLE	NE-GAIN MCAL/KG *		0.11	0.54		
CATTLE	NE-LACTATION MCAL/KG *		0.26	1.23		
CATTLE	TDN % *		12.0	56.6		
SHEEP	TDN % *		12.6	59.3		
CALCIUM		%	0.16	0.75	14	5
PHOSPHORUS		%	0.06	0.28	5	5
PANICUM MAXIMUM, LEAVES, FRESH FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-327						
DRY MATTER		%	24.1	100.0	11	5
ORGANIC MATTER		%	21.4	88.9		
ASH		%	2.7	11.1	7	5
CRUDE FIBER		%	7.8	32.3	4	5
ETHER EXTRACT		%	0.6	2.6	5	5
NITROGEN FREE EXTRACT		%	10.7	44.3	4	5
PROTEIN		%	2.4	9.8	6	5
CATTLE	DIG PROT % *		1.5	6.2		
GOATS	DIG PROT % *		1.4	5.7		
HORSES	DIG PROT % *		1.4	5.8		
RABBITS	DIG PROT % *		1.5	6.2		
SHEEP	DIG PROT % *		1.5	6.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.58	2.40		
SHEEP	DE MCAL/KG *		0.61	2.55		
CATTLE	ME MCAL/KG *		0.47	1.96		
SHEEP	ME MCAL/KG *		0.50	2.09		
CATTLE	NE-M MCAL/KG *		0.28	1.16		
CATTLE	NE-GAIN MCAL/KG *		0.11	0.45		
CATTLE	NE-LACTATION MCAL/KG *		0.28	1.16		
CATTLE	TDN % *		13.1	54.3		
SHEEP	TDN % *		13.9	57.9		
CALCIUM		%	0.15	0.64	30	5
PHOSPHORUS		%	0.06	0.23	31	5

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM MAXIMUM, LEAVES, FRESH FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-10-338						
DRY MATTER		%	24.7	100.0	3	4
ORGANIC MATTER		%	21.5	87.1		
ASH		%	3.2	12.9	11	4
CRUDE FIBER		%	8.1	32.6	5	4
ETHER EXTRACT		%	0.7	2.7	16	4
NITROGEN FREE EXTRACT		%	10.3	41.9	2	4
PROTEIN		%	2.4	9.9	15	4
CATTLE	DIG PROT % *		1.6	6.3		
GOATS	DIG PROT % *		1.4	5.8		
HORSES	DIG PROT % *		1.5	5.9		
RABBITS	DIG PROT % *		1.6	6.3		
SHEEP	DIG PROT % *		1.5	6.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.57	2.31		
SHEEP	DE MCAL/KG *		0.62	2.51		
CATTLE	ME MCAL/KG *		0.47	1.89		
SHEEP	ME MCAL/KG *		0.51	2.06		
CATTLE	NE-M MCAL/KG *		0.28	1.12		
CATTLE	NE-GAIN MCAL/KG *		0.09	0.37		
CATTLE	NE-LACTATION MCAL/KG *		0.27	1.09		
CATTLE	TDN % *		12.9	52.4		
SHEEP	TDN % *		14.1	57.0		
PANICUM MAXIMUM, STEMS, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-850						
DRY MATTER		%		100.0		
CRUDE FIBER		%		41.2		1
ETHER EXTRACT		%		0.8		1
NITROGEN FREE EXTRACT		%		44.8		1
PROTEIN		%		6.2		1
CATTLE	DIG PROT % *			3.2		
GOATS	DIG PROT % *			2.3		
HORSES	DIG PROT % *			2.8		
RABBITS	DIG PROT % *			3.5		
SHEEP	DIG PROT % *			2.8		
LIGNIN (ELLIS)		%		10.6		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *			2.35		
SHEEP	DE MCAL/KG *			2.34		
CATTLE	ME MCAL/KG *			1.93		
SHEEP	ME MCAL/KG *			1.92		
CATTLE	NE-M MCAL/KG *			1.14		
CATTLE	NE-GAIN MCAL/KG *			0.41		
CATTLE	NE-LACTATION MCAL/KG *			1.12		
CATTLE	TDN % *			53.3		
SHEEP	TDN % *			53.0		
CALCIUM		%		0.50		1
MAGNESIUM		%		0.33		1
PHOSPHORUS		%		0.19		1
POTASSIUM		%		2.40		1
PANICUM MAXIMUM, SEEDS, (4)						
REF NO 4-11-296						
DRY MATTER		%	87.2	100.0		1
ORGANIC MATTER		%	83.9	96.2		1
ASH		%	3.3	3.8		1
CRUDE FIBER		%	3.0	3.4		1
ETHER EXTRACT		%	6.9	7.9		1
NITROGEN FREE EXTRACT		%	61.8	70.9		1
PROTEIN		%	12.2	14.0		1
CATTLE	DIG PROT % *		7.7	8.9		
GOATS	DIG PROT % *		8.8	10.1		
HORSES	DIG PROT % *		8.8	10.1		
SHEEP	DIG PROT % *		8.8	10.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		3.29	3.78		
SHEEP	DE MCAL/KG *		3.30	3.79		
SWINE	DE KCAL/KG *		3303.	3788.		
CATTLE	ME MCAL/KG *		2.70	3.10		
SHEEP	ME MCAL/KG *		2.71	3.11		
SWINE	ME KCAL/KG *		3077.	3529.		
CATTLE	NE-M MCAL/KG *		1.80	2.06		
CATTLE	NE-GAIN MCAL/KG *		1.19	1.37		
CATTLE	NE-LACTATION MCAL/KG *		1.95	2.23		
CATTLE	TDN % *		74.7	85.7		
SHEEP	TDN % *		75.0	86.0		
SWINE	TDN % *		74.9	85.9		

PANICUM OLYROIDES

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM OLYROIDES OLYROIDES, AERIAL PART, FRESH, (2)						
REF NO 2-17-628						
DRY MATTER		%	28.3	100.0		1
PROTEIN		%	3.0	10.7		1
CATTLE	DIG PROT % *		2.0	7.0		
GOATS	DIG PROT % *		1.9	6.5		
HORSES	DIG PROT % *		1.9	6.6		
RABBITS	DIG PROT % *		2.0	6.9		
SHEEP	DIG PROT % *		2.0	7.0		
CALCIUM		%	0.06	0.20		1
MAGNESIUM		%	0.12	0.44		1
MANGANESE		MG/KG	111.2	393.0		1
PHOSPHORUS		%	0.04	0.15		1
POTASSIUM		%	0.41	1.44		1
SODIUM		%	0.03	0.10		1
ZINC		MG/KG	15.3	54.0		1
PANICUM PURPURASCENS, PARAGRASS						
PANICUM PURPURASCENS, AERIAL PART, DEHY, (1)						
REF NO 1-03-514						
DRY MATTER		%	90.7	100.0		3
ORGANIC MATTER		%	80.0	88.2		3
ASH		%	10.7	11.8		3
CRUDE FIBER		%	33.1	36.5		3
ETHER EXTRACT		%	5.1	5.6		3
NITROGEN FREE EXTRACT		%	35.3	38.9		3
PROTEIN		%	6.5	7.1		3
CATTLE	DIG PROT % *		2.8	3.1		
GOATS	DIG PROT % *		2.9	3.2		
HORSES	DIG PROT % *		3.2	3.6		
RABBITS	DIG PROT % *		3.8	4.2		
SHEEP	DIG PROT % *		2.7	3.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.73	1.90		
HORSES	DE MCAL/KG *		2.09	2.30		
SHEEP	DE MCAL/KG *		1.79	1.97		
CATTLE	ME MCAL/KG *		1.42	1.56		
HORSES	ME MCAL/KG *		1.71	1.89		
SHEEP	ME MCAL/KG *		1.47	1.62		
CATTLE	NE-M MCAL/KG *		0.85	0.94		
CATTLE	NE-GAIN MCAL/KG *		-0.02	-0.03		
CATTLE	NE-LACTATION MCAL/KG *		0.70	0.77		
CATTLE	TDN % *		39.2	43.2		
HORSES	TDN % *		52.9	58.3		
SHEEP	TDN % *		40.6	44.8		
CALCIUM		%	0.33	0.36		2
IRON		%	0.041	0.045		2
PHOSPHORUS		%	0.48	0.53		2
VITAMIN A EQUIV		IU/G	8.6	9.5		
PANICUM PURPURASCENS, AERIAL PART, DEHY GRND, (1)						
REF NO 1-11-294						
DRY MATTER		%	90.8	100.0		2
ORGANIC MATTER		%	80.0	88.2		1
ASH		%	10.7	11.8		1
CRUDE FIBER		%	29.5	32.5		2
ETHER EXTRACT		%	2.7	3.0		2
NITROGEN FREE EXTRACT		%	33.1	36.5		1
PROTEIN		%	14.8	16.3		1
CATTLE	DIG PROT % *		10.0	11.0		
GOATS	DIG PROT % *		10.7	11.8		
HORSES	DIG PROT % *		10.3	11.4		
RABBITS	DIG PROT % *		10.2	11.2		
SHEEP	DIG PROT % *		10.1	11.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.11	2.32		
SHEEP	DE MCAL/KG *		2.13	2.35		
CATTLE	ME MCAL/KG *		1.73	1.91		
SHEEP	ME MCAL/KG *		1.75	1.93		
CATTLE	NE-M MCAL/KG *		1.02	1.12		
CATTLE	NE-GAIN MCAL/KG *		0.35	0.39		
CATTLE	NE-LACTATION MCAL/KG *		1.00	1.10		
CATTLE	TDN % *		47.8	52.7		
SHEEP	TDN % *		48.3	53.3		
CALCIUM		%	0.51	0.56		1
PHOSPHORUS		%	0.21	0.24		1
VITAMIN A EQUIV		IU/G	156.7	172.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, HAY, S-C, (1)					
REF NO 1-03-517					
DRY MATTER	%	80.4	100.0	13	4
ORGANIC MATTER	%	73.0	90.8		
ASH	%	7.4	9.2	22	4
CRUDE FIBER	%	27.0	33.6	12	4
ETHER EXTRACT	%	0.9	1.2	22	4
NITROGEN FREE EXTRACT	%	41.3	51.4	3	4
PROTEIN	%	3.6	4.5	30	4
CATTLE DIG PROT	% *	0.7	0.9		
GOATS DIG PROT	% *	0.6	0.8		
HORSES DIG PROT	% *	1.1	1.4		
RABBITS DIG PROT	% *	1.7	2.2		
SHEEP DIG PROT	% *	0.5	0.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.73	2.15		
HORSES DE	MCAL/KG *	1.14	1.42		
SHEEP DE	MCAL/KG *	1.75	2.17		
CATTLE ME	MCAL/KG *	1.42	1.77		
HORSES ME	MCAL/KG *	0.93	1.16		
SHEEP ME	MCAL/KG *	1.43	1.78		
CATTLE NE-M	MCAL/KG *	0.84	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.18	0.23		
CATTLE NE-LACTATION	MCAL/KG *	0.78	0.97		
CATTLE TDN	% *	39.2	48.8		
HORSES TDN	% *	27.4	34.1		
SHEEP TDN	% *	39.6	49.2		
CALCIUM	%	0.28	0.35		2
PHOSPHORUS	%	0.14	0.18		2
PANICUM PURPURASCENS, LEAVES, S-C, (1)					
REF NO 1-13-425					
DRY MATTER	%	92.5	100.0		5
ORGANIC MATTER	%	79.3	85.8		
ASH	%	13.1	14.2	10	5
CRUDE FIBER	%	28.8	31.1	5	5
ETHER EXTRACT	%	1.5	1.7	11	5
NITROGEN FREE EXTRACT	%	41.0	44.4	7	5
PROTEIN	%	8.0	8.6	43	5
CATTLE DIG PROT	% *	4.1	4.4		
GOATS DIG PROT	% *	4.2	4.6		
HORSES DIG PROT	% *	4.5	4.8		
RABBITS DIG PROT	% *	4.9	5.3		
SHEEP DIG PROT	% *	4.0	4.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.00	2.17		
HORSES DE	MCAL/KG *	1.66	1.79		
SHEEP DE	MCAL/KG *	2.01	2.17		
CATTLE ME	MCAL/KG *	1.64	1.78		
HORSES ME	MCAL/KG *	1.36	1.47		
SHEEP ME	MCAL/KG *	1.65	1.78		
CATTLE NE-M	MCAL/KG *	0.97	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.22	0.24		
CATTLE NE-LACTATION	MCAL/KG *	0.90	0.98		
CATTLE TDN	% *	45.4	49.1		
HORSES TDN	% *	41.0	44.4		
SHEEP TDN	% *	45.5	49.2		
CALCIUM	%	0.30	0.33	28	5
PHOSPHORUS	%	0.22	0.24	46	5
PANICUM PURPURASCENS, STEMS, S-C, (1)					
REF NO 1-13-424					
DRY MATTER	%	92.5	100.0	1	6
ORGANIC MATTER	%	82.7	89.4		
ASH	%	9.8	10.6	31	6
CRUDE FIBER	%	39.1	42.3	10	6
ETHER EXTRACT	%	0.9	0.9	33	6
NITROGEN FREE EXTRACT	%	38.8	42.0	4	6
PROTEIN	%	3.9	4.2	49	6
CATTLE DIG PROT	% *	0.5	0.6		
GOATS DIG PROT	% *	0.4	0.5		
HORSES DIG PROT	% *	1.0	1.1		
RABBITS DIG PROT	% *	1.8	1.9		
SHEEP DIG PROT	% *	0.3	0.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.88	2.03		
HORSES DE	MCAL/KG *	1.21	1.31		
SHEEP DE	MCAL/KG *	1.93	2.08		
CATTLE ME	MCAL/KG *	1.54	1.67		
HORSES ME	MCAL/KG *	0.99	1.08		
SHEEP ME	MCAL/KG *	1.58	1.71		
CATTLE NE-M	MCAL/KG *	0.92	0.99		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.11		
CATTLE NE-LACTATION	MCAL/KG *	0.81	0.87		
CATTLE TDN	% *	42.6	46.1		
HORSES TDN	% *	28.9	31.2		
SHEEP TDN	% *	43.7	47.2		
CALCIUM	%	0.10	0.11	53	6
PHOSPHORUS	%	0.20	0.21	70	6

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, (2)					
REF NO 2-03-525					
DRY MATTER	%	26.4	100.0	47	41
ORGANIC MATTER	%	24.1	91.2	20	25
ASH	%	3.1	11.9	20	98
CRUDE FIBER	%	8.2	31.1	14	98
ETHER EXTRACT	%	0.6	2.3	54	98
NITROGEN FREE EXTRACT	%	12.0	45.3	7	98
PROTEIN	%	2.5	9.3	39	98
CATTLE DIG PROT	% *	1.5	5.8		
GOATS DIG PROT	% *	1.4	5.3		
HORSES DIG PROT	% *	1.4	5.5		
RABBITS DIG PROT	% *	1.6	5.9		
SHEEP DIG PROT	% *	1.5	5.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.64	2.42		
SHEEP DE	MCAL/KG *	0.67	2.54		
CATTLE ME	MCAL/KG *	0.52	1.98		
SHEEP ME	MCAL/KG *	0.55	2.08		
CATTLE NE-M	MCAL/KG *	0.31	1.17		
CATTLE NE-GAIN	MCAL/KG *	0.12	0.47		
CATTLE NE-LACTATION	MCAL/KG *	0.31	1.17		
CATTLE TDN	% *	14.5	54.9		
SHEEP TDN	% *	15.2	57.6		
CALCIUM	%	0.09	0.33	73	18
COBALT	MG/KG	0.071	0.269	81	8
COPPER	MG/KG	3.7	14.0	57	9
IRON	%	0.003	0.013		2
MAGNESIUM	%	0.04	0.16		1
MANGANESE	MG/KG	54.6	206.5	71	9
MOLYBDENUM	MG/KG	0.12	0.45	54	8
PHOSPHORUS	%	0.07	0.28	42	17
VITAMIN A EQUIV	IU/G	17.3	65.5		
PANICUM PURPURASCENS, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)					
REF NO 2-11-679					
DRY MATTER	%	19.4	100.0	25	16
ORGANIC MATTER	%	17.3	88.8		
ASH	%	2.2	11.2	7	16
CRUDE FIBER	%	6.2	31.8	8	16
ETHER EXTRACT	%	0.3	1.7	18	16
NITROGEN FREE EXTRACT	%	7.9	40.6	11	16
PROTEIN	%	2.8	14.6	27	16
CATTLE DIG PROT	% *	2.0	10.3		
GOATS DIG PROT	% *	2.0	10.2		
HORSES DIG PROT	% *	1.9	9.9		
RABBITS DIG PROT	% *	1.9	10.0		
SHEEP DIG PROT	% *	2.1	10.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.51	2.62		
SHEEP DE	MCAL/KG *	0.50	2.57		
CATTLE ME	MCAL/KG *	0.42	2.15		
SHEEP ME	MCAL/KG *	0.41	2.11		
CATTLE NE-M	MCAL/KG *	0.25	1.27		
CATTLE NE-GAIN	MCAL/KG *	0.12	0.64		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.33		
CATTLE TDN	% *	11.6	59.5		
SHEEP TDN	% *	11.4	58.4		
PANICUM PURPURASCENS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-11-337					
DRY MATTER	%	19.8	100.0	22	6
ORGANIC MATTER	%	17.4	88.3		
ASH	%	2.3	11.8	13	4
CRUDE FIBER	%	6.0	30.5	11	5
ETHER EXTRACT	%	0.5	2.3	47	6
NITROGEN FREE EXTRACT	%	8.5	42.8	7	4
PROTEIN	%	2.5	12.6	18	7
CATTLE DIG PROT	% *	1.7	8.6		
GOATS DIG PROT	% *	1.6	8.3		
HORSES DIG PROT	% *	1.6	8.2		
RABBITS DIG PROT	% *	1.7	8.4		
SHEEP DIG PROT	% *	1.7	8.7		
CELL WALLS (VAN SOEST)	%	12.1	61.5		2
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.50	2.51		
SHEEP DE	MCAL/KG *	0.51	2.59		
CATTLE ME	MCAL/KG *	0.41	2.06		
SHEEP ME	MCAL/KG *	0.42	2.12		
CATTLE NE-M	MCAL/KG *	0.24	1.21		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.55		
CATTLE NE-LACTATION	MCAL/KG *	0.25	1.24		
CATTLE TDN	% *	11.2	56.9		
SHEEP TDN	% *	11.6	58.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-266						
DRY MATTER		%	21.4	100.0		2
ORGANIC MATTER		%	18.6	86.7		
ASH		%	2.8	13.3	4	4
CRUDE FIBER		%	6.4	29.6	2	5
ETHER EXTRACT		%	0.4	2.0	44	5
NITROGEN FREE EXTRACT		%	9.9	46.2		4
PROTEIN		%	1.9	8.7	6	7
CATTLE	DIG PROT % *		1.1	5.2		
GOATS	DIG PROT % *		1.0	4.6		
HORSES	DIG PROT % *		1.0	4.9		
RABBITS	DIG PROT % *		1.1	5.4		
SHEEP	DIG PROT % *		1.1	5.1		
CELL WALLS (VAN SOEST)		%	12.9	60.5		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.92	2.43		
SHEEP	DE MCAL/KG *		0.94	2.51		
CATTLE	ME MCAL/KG *		0.43	1.99		
SHEEP	ME MCAL/KG *		0.44	2.06		
CATTLE	NE-M MCAL/KG *		0.25	1.16		
CATTLE	NE-GAIN MCAL/KG *		0.10	0.48		
CATTLE	NE-LACTATION MCAL/KG *		0.25	1.18		
CATTLE	TDN % *		11.8	55.2		
SHEEP	TDN % *		12.2	56.9		
CALCIUM		%	0.08	0.39		1
MAGNESIUM		%	0.06	0.27		1
PHOSPHORUS		%	0.05	0.25		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-11-341						
DRY MATTER		%		100.0		
ETHER EXTRACT		%		2.6		1
PROTEIN		%		11.6		1
CATTLE	DIG PROT % *			7.8		
GOATS	DIG PROT % *			7.4		
HORSES	DIG PROT % *			7.4		
RABBITS	DIG PROT % *			7.6		
SHEEP	DIG PROT % *			7.8		
CELL WALLS (VAN SOEST)		%		71.0		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-10-265						
DRY MATTER		%	23.0	100.0		1
PROTEIN		%	1.6	6.8		2
CATTLE	DIG PROT % *		0.8	3.7		
GOATS	DIG PROT % *		0.7	2.9		
HORSES	DIG PROT % *		0.8	3.3		
RABBITS	DIG PROT % *		0.9	3.9		
SHEEP	DIG PROT % *		0.8	3.3		
LIGNIN (ELLIS)		%	1.9	8.4		1
CALCIUM		%	0.08	0.35		1
MAGNESIUM		%	0.05	0.20		1
PHOSPHORUS		%	0.05	0.21		1
DM INTAKE, SHEEP	G/W 0.75		13.693	59.533		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)						
REF NO 2-11-343						
DRY MATTER		%		100.0		
ETHER EXTRACT		%		3.4		2
CATTLE	DIG COEF %			65.		1
PROTEIN		%		8.6		2
CATTLE	DIG COEF %			52.		1
CATTLE	DIG PROT %			4.4		
GOATS	DIG PROT % *			4.5		
HORSES	DIG PROT % *			4.8		
RABBITS	DIG PROT % *			5.3		
SHEEP	DIG PROT % *			5.0		
CELL WALLS (VAN SOEST)		%		69.1		2
ENERGY	GE KCAL/KG			4223.		1
CATTLE	GE DIG COEF %			49.		1
CATTLE	DE MCAL/KG			2.07		
CATTLE	ME MCAL/KG *			1.70		
CATTLE	NE-M MCAL/KG *			1.01		
CATTLE	NE-GAIN MCAL/KG *			0.15		
CATTLE	NE-LACTATION MCAL/KG *			0.90		
DM INTAKE, CATTLE	% OF BODY WT			1.24		1
DM INTAKE, SHEEP	G/W 0.75			63.400		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)						
REF NO 2-10-845						
DRY MATTER		%	31.0	100.0		1
ORGANIC MATTER		%	28.4	91.7		
ASH		%	2.6	8.4	6	4
CRUDE FIBER		%	9.8	31.5	2	4
ETHER EXTRACT		%	0.5	1.6	5	4
NITROGEN FREE EXTRACT		%	16.7	53.8	1	4
PROTEIN		%	1.5	4.7	5	5
CATTLE	DIG PROT % *		0.6	1.9		
GOATS	DIG PROT % *		0.3	0.9		
HORSES	DIG PROT % *		0.5	1.5		
RABBITS	DIG PROT % *		0.7	2.3		
SHEEP	DIG PROT % *		0.4	1.4		
LIGNIN (ELLIS)		%	2.9	9.4		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.74	2.39		
SHEEP	DE MCAL/KG *		0.79	2.54		
CATTLE	ME MCAL/KG *		0.61	1.96		
SHEEP	ME MCAL/KG *		0.65	2.08		
CATTLE	NE-M MCAL/KG *		0.36	1.15		
CATTLE	NE-GAIN MCAL/KG *		0.14	0.44		
CATTLE	NE-LACTATION MCAL/KG *		0.36	1.15		
CATTLE	TDN % *		16.8	54.2		
SHEEP	TDN % *		17.9	57.6		
CALCIUM		%	0.09	0.29		1
MAGNESIUM		%	0.05	0.15		1
PHOSPHORUS		%	0.05	0.15		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-10-846						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.5		
ASH		%		9.6	5	4
CRUDE FIBER		%		28.4	4	4
ETHER EXTRACT		%		1.6	3	4
NITROGEN FREE EXTRACT		%		55.8	1	4
PROTEIN		%		4.7	4	4
CATTLE	DIG PROT % *			1.8		
GOATS	DIG PROT % *			0.9		
HORSES	DIG PROT % *			1.5		
RABBITS	DIG PROT % *			2.3		
SHEEP	DIG PROT % *			1.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *			2.54		
SHEEP	DE MCAL/KG *			2.61		
CATTLE	ME MCAL/KG *			2.08		
SHEEP	ME MCAL/KG *			2.14		
CATTLE	NE-M MCAL/KG *			1.23		
CATTLE	NE-GAIN MCAL/KG *			0.57		
CATTLE	NE-LACTATION MCAL/KG *			1.27		
CATTLE	TDN % *			57.6		
SHEEP	TDN % *			59.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PANICUM PURPURASCENS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-10-251						
DRY MATTER		%	26.2	100.0	38	8
ORGANIC MATTER		%	23.3	88.9	19	7
ASH		%	3.0	11.3	19	8
CRUDE FIBER		%	8.0	30.7	6	8
ETHER EXTRACT		%	0.4	1.7	34	8
NITROGEN FREE EXTRACT		%	11.4	43.6	15	8
PROTEIN		%	3.3	12.7	43	6
CATTLE	DIG PROT % *		2.3	8.7		
GOATS	DIG PROT % *		2.2	8.4		
HORSES	DIG PROT % *		2.2	8.3		
RABBITS	DIG PROT % *		2.2	8.5		
SHEEP	DIG PROT % *		2.3	8.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.67	2.54		
SHEEP	DE MCAL/KG *		0.67	2.57		
CATTLE	ME MCAL/KG *		0.55	2.11		
SHEEP	ME MCAL/KG *		0.55	2.11		
CATTLE	NE-M MCAL/KG *		0.33	1.25		
CATTLE	NE-GAIN MCAL/KG *		0.16	0.60		
CATTLE	NE-LACTATION MCAL/KG *		0.34	1.30		
CATTLE	TDN % *		15.3	58.5		
SHEEP	TDN % *		15.3	58.4		
ALUMINUM		MG/KG	9.77	37.33		3
BORON		MG/KG	2.094	8.000		3
CALCIUM		%	0.15	0.58	63	11
COPPER		MG/KG	7.2	27.3		3
IRON		%	0.027	0.103	62	4
MAGNESIUM		%	0.06	0.29		3
MANGANESE		MG/KG	23.3	89.0		3
MOLYBDENUM		MG/KG	0.55	2.10		3
PHOSPHORUS		%	0.07	0.28	39	11
POTASSIUM		%	0.56	2.13		3

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SILICON	%	0.10	0.37		3
SODIUM	%	0.12	0.47		3
ZINC	MG/KG	18.3	70.0		3

PANICUM PURPURASCENS, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-03-519

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.4	100.0		2
ORGANIC MATTER	%	14.3	87.6		1
ASH	%	2.0	12.1		2
CRUDE FIBER	%	5.0	30.7		2
ETHER EXTRACT	%	0.3	1.5		2
NITROGEN FREE EXTRACT	%	6.9	42.5		2
PROTEIN	%	2.2	13.2		2
CATTLE DIG PROT	% *	1.5	9.1		
GOATS DIG PROT	% *	1.4	8.8		
HORSES DIG PROT	% *	1.4	8.7		
RABBITS DIG PROT	% *	1.4	8.8		
SHEEP DIG PROT	% *	1.5	9.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.43	2.60		
SHEEP DE	MCAL/KG *	0.42	2.55		
CATTLE ME	MCAL/KG *	0.35	2.14		
SHEEP ME	MCAL/KG *	0.34	2.09		
CATTLE NE-M	MCAL/KG *	0.21	1.26		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.63		
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.32		
CATTLE TDN	% *	9.7	59.1		
SHEEP TDN	% *	9.4	57.6		
CALCIUM	%	0.10	0.63		1
PHOSPHORUS	%	0.03	0.16		1

PANICUM PURPURASCENS, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-04-920

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.6		
ASH	%		9.4		1
CRUDE FIBER	%		33.7		1
ETHER EXTRACT	%		1.4		1
NITROGEN FREE EXTRACT	%		48.4		1
PROTEIN	%		7.0		1
CATTLE DIG PROT	% *		3.9		
GOATS DIG PROT	% *		3.1		
HORSES DIG PROT	% *		3.5		
RABBITS DIG PROT	% *		4.1		
SHEEP DIG PROT	% *		3.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.38		
SHEEP DE	MCAL/KG *		2.48		
CATTLE ME	MCAL/KG *		1.95		
SHEEP ME	MCAL/KG *		2.03		
CATTLE NE-M	MCAL/KG *		1.15		
CATTLE NE-GAIN	MCAL/KG *		0.44		
CATTLE NE-LACTATION	MCAL/KG *		1.15		
CATTLE TDN	% *		54.1		
SHEEP TDN	% *		56.3		

PANICUM PURPURASCENS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-585

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.3	100.0		2
ORGANIC MATTER	%	21.9	90.5		2
ASH	%	2.3	9.5		2
CRUDE FIBER	%	8.1	33.4		2
ETHER EXTRACT	%	0.3	1.2		2
NITROGEN FREE EXTRACT	%	12.0	49.4		2
PROTEIN	%	1.6	6.6		2
CATTLE DIG PROT	% *	0.8	3.5		
GOATS DIG PROT	% *	0.7	2.7		
HORSES DIG PROT	% *	0.8	3.1		
RABBITS DIG PROT	% *	0.9	3.8		
SHEEP DIG PROT	% *	0.8	3.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.59	2.43		
SHEEP DE	MCAL/KG *	0.60	2.46		
CATTLE ME	MCAL/KG *	0.48	2.00		
SHEEP ME	MCAL/KG *	0.49	2.02		
CATTLE NE-M	MCAL/KG *	0.29	1.18		
CATTLE NE-GAIN	MCAL/KG *	0.12	0.48		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.19		
CATTLE TDN	% *	13.4	55.2		
SHEEP TDN	% *	13.6	55.9		
CALCIUM	%	0.16	0.68		2
PHOSPHORUS	%	0.07	0.29		2

PANICUM PURPURASCENS, AERIAL PART, FRESH, LATE BLOOM, (2)

REF NO 2-03-521

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.8	100.0		1
ORGANIC MATTER	%	21.3	89.4		1
ASH	%	2.5	10.6		1
CRUDE FIBER	%	8.2	34.4		1
ETHER EXTRACT	%	0.4	1.5		1
NITROGEN FREE EXTRACT	%	10.9	45.6		1
PROTEIN	%	1.9	7.9		1
CATTLE DIG PROT	% *	1.1	4.6		
GOATS DIG PROT	% *	0.9	3.9		
HORSES DIG PROT	% *	1.0	4.2		
RABBITS DIG PROT	% *	1.1	4.8		
SHEEP DIG PROT	% *	1.0	4.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.57	2.39		
SHEEP DE	MCAL/KG *	0.58	2.45		
CATTLE ME	MCAL/KG *	0.47	1.96		
SHEEP ME	MCAL/KG *	0.48	2.01		
CATTLE NE-M	MCAL/KG *	0.28	1.16		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.45		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.15		
CATTLE TDN	% *	12.9	54.3		
SHEEP TDN	% *	13.2	55.6		
CALCIUM	%	0.09	0.39		1
PHOSPHORUS	%	0.05	0.19		1

PANICUM PURPURASCENS, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-03-523

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.7	100.0		1
ORGANIC MATTER	%	76.5	86.2		1
ASH	%	11.2	12.6		2
CRUDE FIBER	%	32.7	36.9		2
ETHER EXTRACT	%	2.1	2.4		2
NITROGEN FREE EXTRACT	%	34.6	39.0		2
PROTEIN	%	8.0	9.1		2
CATTLE DIG PROT	% *	5.0	5.6		
GOATS DIG PROT	% *	4.4	5.0		
HORSES DIG PROT	% *	4.6	5.2		
RABBITS DIG PROT	% *	5.0	5.7		
SHEEP DIG PROT	% *	4.8	5.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.95	2.20		
SHEEP DE	MCAL/KG *	2.17	2.34		
CATTLE ME	MCAL/KG *	1.60	1.80		
SHEEP ME	MCAL/KG *	1.78	2.00		
CATTLE NE-M	MCAL/KG *	0.94	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.24	0.27		
CATTLE NE-LACTATION	MCAL/KG *	0.89	1.00		
CATTLE TDN	% *	44.2	49.8		
SHEEP TDN	% *	49.2	55.4		
CALCIUM	%	0.38	0.42		2
COBALT	MG/KG	0.030	0.033		1
COPPER	MG/KG	9.0	10.1		1
MAGNESIUM	%	0.11	0.12		1
MANGANESE	MG/KG	22.7	25.6		1
MOLYBDENUM	MG/KG	0.08	0.09		1
PHOSPHORUS	%	0.39	0.44		2
POTASSIUM	%	1.29	1.45		1

PANICUM PURPURASCENS, AERIAL PART, FRESH FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-249

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		85.9		
ASH	%		14.1		1
ETHER EXTRACT	%		1.7		1
PROTEIN	%		10.1	19	4
CATTLE DIG PROT	% *		6.4		
GOATS DIG PROT	% *		5.9		
HORSES DIG PROT	% *		6.1		
RABBITS DIG PROT	% *		6.4		
SHEEP DIG PROT	% *		6.4		
CELLULOSE (CRAMPTON)	%		41.5		1
LIGNIN (ELLIS)	%		14.4		1

PANICUM PURPURASCENS, AERIAL PART, FRESH FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-11-342

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ETHER EXTRACT	%		2.9		1
CATTLE DIG COEF	%		90.		1
PROTEIN	%		12.5		1
CATTLE DIG COEF	%		69.		1
CATTLE DIG PROT	%		8.1		
GOATS DIG PROT	% *		8.2		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *		8.1		
RABBITS	DIG PROT % *		8.3		
SHEEP	DIG PROT % *		8.6		
CELL WALLS (VAN SOEST)	%		70.1		1
ENERGY	GE KCAL/KG		4241.		1
CATTLE	GE DIG COEF %		51.		1
CATTLE	DE KCAL/KG		2.16		
CATTLE	ME KCAL/KG *		1.77		
CATTLE	NE-M KCAL/KG *		1.05		
CATTLE	NE-GAIN KCAL/KG *		0.24		
CATTLE	NE-LACTATION KCAL/KG *		0.97		
DM INTAKE, CATTLE	% OF BODY WT		1.27		1

PANICUM PURPURASCENS, AERIAL PART, FRESH
FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-250

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
PROTEIN	%		8.2		3
CATTLE	DIG PROT % *		4.8		
GOATS	DIG PROT % *		4.2		
HORSES	DIG PROT % *		4.5		
RABBITS	DIG PROT % *		5.0		
SHEEP	DIG PROT % *		4.6		
LIGNIN (ELLIS)	%		8.4		1
CALCIUM	%		0.48		1
MAGNESIUM	%		0.33		1
PHOSPHORUS	%		0.18		1
POTASSIUM	%		2.20		1

PANICUM PURPURASCENS, AERIAL PART, FRESH
FERTILIZED, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-10-843

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.7		
ASH	%		10.3		1
ETHER EXTRACT	%		1.6		1
PROTEIN	%		4.8		1
CATTLE	DIG PROT % *		2.0		
GOATS	DIG PROT % *		1.0		
HORSES	DIG PROT % *		1.6		
RABBITS	DIG PROT % *		2.4		
SHEEP	DIG PROT % *		1.5		
CELLULOSE (CRAMPTON)	%		43.5		1
LIGNIN (ELLIS)	%		11.8		1

PANICUM PURPURASCENS, AERIAL PART, FRESH
FERTILIZED, 113 TO 126 DAYS' GROWTH,
(2)

REF NO 2-10-844

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.7		
ASH	%		10.3		1
ETHER EXTRACT	%		1.6		1
PROTEIN	%		4.7		1
CATTLE	DIG PROT % *		1.9		
GOATS	DIG PROT % *		0.9		
HORSES	DIG PROT % *		1.5		
RABBITS	DIG PROT % *		2.3		
SHEEP	DIG PROT % *		1.4		
CELLULOSE (CRAMPTON)	%		40.4		1
LIGNIN (ELLIS)	%		21.1		1

PANICUM PURPURASCENS, LEAVES, FRESH, (2)

REF NO 2-17-586

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.2		
ASH	%		12.8	19	4
CRUDE FIBER	%		28.7	15	4
ETHER EXTRACT	%		2.2	25	4
NITROGEN FREE EXTRACT	%		44.1	17	4
PROTEIN	%		12.3	75	4
CATTLE	DIG PROT % *		8.3		
GOATS	DIG PROT % *		8.0		
HORSES	DIG PROT % *		8.0		
RABBITS	DIG PROT % *		8.1		
SHEEP	DIG PROT % *		8.4		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *		2.54		
SHEEP	DE KCAL/KG *		2.59		
CATTLE	ME KCAL/KG *		2.08		
SHEEP	ME KCAL/KG *		2.12		
CATTLE	NE-M KCAL/KG *		1.23		
CATTLE	NE-GAIN KCAL/KG *		0.57		
CATTLE	NE-LACTATION KCAL/KG *		1.27		
CATTLE	TDN % *		57.5		
SHEEP	TDN % *		58.7		
CALCIUM	%		0.69	42	4
PHOSPHORUS	%		0.35	25	4

PANICUM PURPURASCENS, LEAVES, FRESH, 43 TO 56
DAYS' GROWTH, (2)

REF NO 2-10-842

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CRUDE FIBER	%		29.9		1
ETHER EXTRACT	%		2.6		1
NITROGEN FREE EXTRACT	%		44.4		1
PROTEIN	%		15.3		1
CATTLE	DIG PROT % *		10.9		
GOATS	DIG PROT % *		10.8		
HORSES	DIG PROT % *		10.5		
RABBITS	DIG PROT % *		10.5		
SHEEP	DIG PROT % *		11.2		
LIGNIN (ELLIS)	%		8.3		1
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *		2.74		
SHEEP	DE KCAL/KG *		2.75		
CATTLE	ME KCAL/KG *		2.25		
SHEEP	ME KCAL/KG *		2.25		
CATTLE	NE-M KCAL/KG *		1.34		
CATTLE	NE-GAIN KCAL/KG *		0.73		
CATTLE	NE-LACTATION KCAL/KG *		1.43		
CATTLE	TDN % *		62.2		
SHEEP	TDN % *		62.3		
CALCIUM	%		1.10		1
MAGNESIUM	%		0.39		1
PHOSPHORUS	%		0.24		1
POTASSIUM	%		1.50		1

PANICUM PURPURASCENS, LEAVES, FRESH
FERTILIZED, 113 TO 126 DAYS' GROWTH,
(2)

REF NO 2-17-587

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.1	100.0		1
ORGANIC MATTER	%	21.0	90.7		
ASH	%	2.1	9.3		1
CRUDE FIBER	%	8.8	38.3		1
PROTEIN	%	1.2	5.1		1
CATTLE	DIG PROT % *	0.5	2.2		
GOATS	DIG PROT % *	0.3	1.3		
HORSES	DIG PROT % *	0.4	1.9		
RABBITS	DIG PROT % *	0.6	2.6		
SHEEP	DIG PROT % *	0.4	1.7		

PANICUM PURPURASCENS, STEMS, FRESH, 43 TO 56
DAYS' GROWTH, (2)

REF NO 2-10-841

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
CRUDE FIBER	%		40.5		1
ETHER EXTRACT	%		0.7		1
NITROGEN FREE EXTRACT	%		46.4		1
PROTEIN	%		6.2		1
CATTLE	DIG PROT % *		3.2		
GOATS	DIG PROT % *		2.3		
HORSES	DIG PROT % *		2.8		
RABBITS	DIG PROT % *		3.5		
SHEEP	DIG PROT % *		2.8		
LIGNIN (ELLIS)	%		10.9		1
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *		2.35		
SHEEP	DE KCAL/KG *		2.35		
CATTLE	ME KCAL/KG *		1.93		
SHEEP	ME KCAL/KG *		1.93		
CATTLE	NE-M KCAL/KG *		1.14		
CATTLE	NE-GAIN KCAL/KG *		0.41		
CATTLE	NE-LACTATION KCAL/KG *		1.12		
CATTLE	TDN % *		53.3		
SHEEP	TDN % *		53.3		
CALCIUM	%		0.18		1
MAGNESIUM	%		0.19		1
PHOSPHORUS	%		0.14		1
POTASSIUM	%		1.50		1

PANICUM PURPURASCENS, PUERARIA SPP,
PARAGRASS-KUDZU

PANICUM PURPURASCENS, PUERARIA SPP, AERIAL
PART, FRESH, (2)

REF NO 2-03-532

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.1		
ASH	%		9.9		1
CRUDE FIBER	%		31.2		1
ETHER EXTRACT	%		1.2		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
NITROGEN FREE EXTRACT		%		45.7		1
PROTEIN		%		12.0		1
CATTLE	DIG PROT	% *		8.1		
GOATS	DIG PROT	% *		7.8		
HORSES	DIG PROT	% *		7.8		
RABBITS	DIG PROT	% *		8.0		
SHEEP	DIG PROT	% *		8.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.64		
SHEEP	DE	MCAL/KG *		2.57		
CATTLE	ME	MCAL/KG *		2.17		
SHEEP	ME	MCAL/KG *		2.10		
CATTLE	NE-M	MCAL/KG *		1.28		
CATTLE	NE-GAIN	MCAL/KG *		0.66		
CATTLE	NE-LACTATION	MCAL/KG *		1.35		
CATTLE	TDN	% *		60.0		
SHEEP	TDN	% *		58.2		

PANICUM REPENS, PANICUM, TORPEDO

PANICUM REPENS TORPEDO, AERIAL PART, FRESH, (2)

REF NO 2-09-640

DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.7		
ASH		%		12.3		1
CRUDE FIBER		%		29.2		1
ETHER EXTRACT		%		2.4		1
NITROGEN FREE EXTRACT		%		41.9		1
PROTEIN		%		14.2		1
CATTLE	DIG PROT	% *		10.0		
GOATS	DIG PROT	% *		9.8		
HORSES	DIG PROT	% *		9.6		
RABBITS	DIG PROT	% *		9.6		
SHEEP	DIG PROT	% *		10.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.55		
SHEEP	DE	MCAL/KG *		2.62		
CATTLE	ME	MCAL/KG *		2.09		
SHEEP	ME	MCAL/KG *		2.15		
CATTLE	NE-M	MCAL/KG *		1.23		
CATTLE	NE-GAIN	MCAL/KG *		0.58		
CATTLE	NE-LACTATION	MCAL/KG *		1.28		
CATTLE	TDN	% *		57.8		
SHEEP	TDN	% *		59.5		

PANICUM RUDGEI

PANICUM RUDGEI RUDGEI, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-600

DRY MATTER		%	41.0	100.0		1
ORGANIC MATTER		%	38.5	94.0		1
ASH		%	2.5	6.0		1
CRUDE FIBER		%	13.7	33.4		1
ETHER EXTRACT		%	0.2	0.6		1
NITROGEN FREE EXTRACT		%	21.5	52.5		1
PROTEIN		%	3.1	7.5		1
CATTLE	DIG PROT	% *	1.7	4.3		
GOATS	DIG PROT	% *	1.5	3.6		
HORSES	DIG PROT	% *	1.6	3.9		
RABBITS	DIG PROT	% *	1.8	4.5		
SHEEP	DIG PROT	% *	1.6	4.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.03	2.51		
SHEEP	DE	MCAL/KG *	1.04	2.53		
CATTLE	ME	MCAL/KG *	0.84	2.06		
SHEEP	ME	MCAL/KG *	0.85	2.07		
CATTLE	NE-M	MCAL/KG *	0.50	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	0.51	1.24		
CATTLE	TDN	% *	23.3	56.9		
SHEEP	TDN	% *	23.5	57.3		
CALCIUM		%	0.04	0.10		1
PHOSPHORUS		%	0.05	0.11		1

PANICUM RUDGEI RUDGEI, LEAVES, FRESH, (2)

REF NO 2-15-432

DRY MATTER		%	35.2	100.0		1
PROTEIN		%	3.8	10.7		1
CATTLE	DIG PROT	% *	2.5	7.0		
GOATS	DIG PROT	% *	2.3	6.5		
HORSES	DIG PROT	% *	2.3	6.6		
RABBITS	DIG PROT	% *	2.4	6.9		
SHEEP	DIG PROT	% *	2.5	7.0		
CALCIUM		%	0.05	0.14		1
MAGNESIUM		%	0.15	0.44		1
MANGANESE		MG/KG	40.8	116.0		1
PHOSPHORUS		%	0.03	0.08		1
POTASSIUM		%	0.43	1.21		1
SODIUM		%	0.07	0.20		1
ZINC		MG/KG	15.5	44.0		1

PANICUM SOBRIPANDUM

PANICUM SOBRIPANDUM SOBRIPANDUM, AERIAL PART, FRESH, (2)

REF NO 2-11-709

DRY MATTER		%	25.4	100.0	31	4
ORGANIC MATTER		%	23.2	91.2	17	4
ASH		%	2.2	8.8	17	4
CRUDE FIBER		%	9.5	37.3	10	4
ETHER EXTRACT		%	0.8	3.3	20	4
NITROGEN FREE EXTRACT		%	10.9	42.7	9	4
PROTEIN		%	2.0	7.9	23	4
CATTLE	DIG PROT	% *	1.2	4.6		
GOATS	DIG PROT	% *	1.0	3.9		
HORSES	DIG PROT	% *	1.1	4.2		
RABBITS	DIG PROT	% *	1.2	4.7		
SHEEP	DIG PROT	% *	1.1	4.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.55	2.16		
SHEEP	DE	MCAL/KG *	0.64	2.51		
CATTLE	ME	MCAL/KG *	0.45	1.77		
SHEEP	ME	MCAL/KG *	0.52	2.06		
CATTLE	NE-M	MCAL/KG *	0.27	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.24		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	0.97		
CATTLE	TDN	% *	12.5	49.0		
SHEEP	TDN	% *	14.5	57.0		
CALCIUM		%	0.02	0.07	15	4
IRON		%	0.002	0.009	50	4
PHOSPHORUS		%	0.04	0.15	13	4
VITAMIN A EQUIV		IU/G	3.8	14.9		

PANICUM SOBRIPANDUM SOBRIPANDUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-15-476

DRY MATTER		%	25.0	100.0		3
ORGANIC MATTER		%	22.2	88.6		
ASH		%	2.8	11.4		3
CRUDE FIBER		%	6.3	25.1		3
PROTEIN		%	1.8	7.2		3
CATTLE	DIG PROT	% *	1.0	4.0		
GOATS	DIG PROT	% *	0.8	3.3		
HORSES	DIG PROT	% *	0.9	3.6		
RABBITS	DIG PROT	% *	1.1	4.2		
SHEEP	DIG PROT	% *	0.9	3.7		

PANICUM SOBRIPANDUM SOBRIPANDUM, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-313

DRY MATTER		%	42.2	100.0		1
ORGANIC MATTER		%	39.0	92.4		1
ASH		%	3.2	7.6		1
CRUDE FIBER		%	15.6	36.9		1
ETHER EXTRACT		%	1.9	4.4		1
NITROGEN FREE EXTRACT		%	19.6	46.4		1
PROTEIN		%	2.0	4.7		1
CATTLE	DIG PROT	% *	0.8	1.9		
GOATS	DIG PROT	% *	0.4	1.0		
HORSES	DIG PROT	% *	0.6	1.5		
RABBITS	DIG PROT	% *	1.0	2.3		
SHEEP	DIG PROT	% *	0.6	1.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.04	2.46		
SHEEP	DE	MCAL/KG *	1.02	2.42		
CATTLE	ME	MCAL/KG *	0.85	2.02		
SHEEP	ME	MCAL/KG *	0.84	1.99		
CATTLE	NE-M	MCAL/KG *	0.50	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.51		
CATTLE	NE-LACTATION	MCAL/KG *	0.51	1.21		
CATTLE	TDN	% *	23.5	55.8		
SHEEP	TDN	% *	23.2	55.0		
CALCIUM		%	0.14	0.32		1
IRON		%	0.005	0.013		1
PHOSPHORUS		%	0.30	0.71		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PANICUM SUBRIPANDUM SUBRIPANDUM, LEAVES, FRESH, 85 TO 98 DAYS' GROWTH, (2)					
REF NO 2-15-477					
DRY MATTER	%	21.0	100.0		1
ORGANIC MATTER	%	18.8	89.5		
ASH	%	2.2	10.5		1
CRUDE FIBER	%	6.2	29.6		1
PROTEIN	%	1.7	8.0		1
CATTLE DIG PROT	% *	1.0	4.7		
GOATS DIG PROT	% *	0.8	4.0		
HORSES DIG PROT	% *	0.9	4.3		
RABBITS DIG PROT	% *	1.0	4.8		
SHEEP DIG PROT	% *	0.9	4.4		
PANICUM SPP, PANICUM					
PANICUM SPP, AERIAL PART, FRESH, (2)					
REF NO 2-03-499					
DRY MATTER	%	35.9	100.0	19	4
ORGANIC MATTER	%	31.9	88.7		
ASH	%	4.0	11.3		2
CRUDE FIBER	%	13.5	37.5		2
ETHER EXTRACT	%	0.8	2.2		2
NITROGEN FREE EXTRACT	%	15.0	41.7		2
PROTEIN	%	2.6	7.3	10	4
CATTLE DIG PROT	% *	1.5	4.1		
GOATS DIG PROT	% *	1.2	3.4		
HORSES DIG PROT	% *	1.3	3.7		
RABBITS DIG PROT	% *	1.5	4.3		
SHEEP DIG PROT	% *	1.4	3.8		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.77	2.15		
SHEEP DE	MCAL/KG *	0.87	2.42		
CATTLE ME	MCAL/KG *	0.63	1.76		
SHEEP ME	MCAL/KG *	0.71	1.99		
CATTLE NE-M	MCAL/KG *	0.38	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.08	0.23		
CATTLE NE-LACTATION	MCAL/KG *	0.35	0.96		
CATTLE TDN	% *	17.5	48.9		
SHEEP TDN	% *	19.7	54.9		
CALCIUM	%	0.08	0.22		2
MAGNESIUM	%	0.18	0.51		2
MANGANESE	MG/KG	58.2	162.0		2
PHOSPHORUS	%	0.04	0.13		2
POTASSIUM	%	0.41	1.16		2
SODIUM	%	0.01	0.02		2
ZINC	MG/KG	16.5	46.0		2
PANICUM SPP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-10-361					
DRY MATTER	%	36.4	100.0		1
ORGANIC MATTER	%	33.7	92.6		1
ASH	%	2.7	7.4		1
CRUDE FIBER	%	10.5	28.8		1
ETHER EXTRACT	%	1.5	4.1		1
NITROGEN FREE EXTRACT	%	19.8	54.3		1
PROTEIN	%	2.0	5.4		1
CATTLE DIG PROT	% *	0.9	2.5		
GOATS DIG PROT	% *	0.6	1.6		
HORSES DIG PROT	% *	0.8	2.1		
RABBITS DIG PROT	% *	1.0	2.8		
SHEEP DIG PROT	% *	0.7	2.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	1.21	3.31		
SHEEP DE	MCAL/KG *	0.95	2.61		
CATTLE ME	MCAL/KG *	0.99	2.72		
SHEEP ME	MCAL/KG *	0.78	2.14		
CATTLE NE-M	MCAL/KG *	0.62	1.70		
CATTLE NE-GAIN	MCAL/KG *	0.41	1.12		
CATTLE NE-LACTATION	MCAL/KG *	0.68	1.87		
CATTLE TDN	% *	27.4	75.2		
SHEEP TDN	% *	21.5	59.2		
PANICUM SPP, AERIAL PART, FRESH, EARLY BLOOM, (2)					
REF NO 2-17-590					
DRY MATTER	%	55.4	100.0		1
ORGANIC MATTER	%	50.1	90.5		1
ASH	%	5.3	9.5		1
CRUDE FIBER	%	14.7	26.5		1
ETHER EXTRACT	%	2.8	5.0		1
NITROGEN FREE EXTRACT	%	27.9	50.4		1
PROTEIN	%	4.8	8.6		1
CATTLE DIG PROT	% *	2.9	5.2		
GOATS DIG PROT	% *	2.5	4.6		
HORSES DIG PROT	% *	2.7	4.8		
RABBITS DIG PROT	% *	2.9	5.3		
SHEEP DIG PROT	% *	2.8	5.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	2.07	3.74		
SHEEP DE	MCAL/KG *	1.46	2.64		
CATTLE ME	MCAL/KG *	1.70	3.07		
SHEEP ME	MCAL/KG *	1.20	2.17		
CATTLE NE-M	MCAL/KG *	1.12	2.03		
CATTLE NE-GAIN	MCAL/KG *	0.75	1.35		
CATTLE NE-LACTATION	MCAL/KG *	1.22	2.20		
CATTLE TDN	% *	47.0	84.9		
SHEEP TDN	% *	33.2	59.9		
CALCIUM	%	0.08	0.14		1
PHOSPHORUS	%	0.09	0.16		1
PANICUM SPP, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-589					
DRY MATTER	%	39.0	100.0		3
ORGANIC MATTER	%	33.6	86.1		1
ASH	%	4.8	12.2		2
CRUDE FIBER	%	12.5	32.1		2
ETHER EXTRACT	%	0.6	1.5		2
NITROGEN FREE EXTRACT	%	16.8	43.0		2
PROTEIN	%	4.3	11.1		3
CATTLE DIG PROT	% *	2.9	7.4		
GOATS DIG PROT	% *	2.7	7.0		
HORSES DIG PROT	% *	2.7	7.0		
RABBITS DIG PROT	% *	2.8	7.3		
SHEEP DIG PROT	% *	2.9	7.4		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.99	2.54		
SHEEP DE	MCAL/KG *	0.97	2.50		
CATTLE ME	MCAL/KG *	0.81	2.08		
SHEEP ME	MCAL/KG *	0.80	2.05		
CATTLE NE-M	MCAL/KG *	0.48	1.23		
CATTLE NE-GAIN	MCAL/KG *	0.22	0.57		
CATTLE NE-LACTATION	MCAL/KG *	0.49	1.27		
CATTLE TDN	% *	22.4	57.6		
SHEEP TDN	% *	22.1	56.6		
CALCIUM	%	0.15	0.39		2
MAGNESIUM	%	0.11	0.28		1
MANGANESE	MG/KG	89.2	229.0		1
PHOSPHORUS	%	0.06	0.15		2
POTASSIUM	%	0.45	1.15		1
SODIUM	%	0.31	0.80		1
ZINC	MG/KG	21.0	54.0		1
PANICUM SPP, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-03-498					
DRY MATTER	%	24.4	100.0		2
ORGANIC MATTER	%	21.2	86.9		
ASH	%	3.2	13.1		2
CRUDE FIBER	%	8.5	34.8		2
ETHER EXTRACT	%	0.3	1.3		2
NITROGEN FREE EXTRACT	%	9.5	38.9		2
PROTEIN	%	2.9	11.9		2
CATTLE DIG PROT	% *	2.0	8.0		
GOATS DIG PROT	% *	1.9	7.7		
HORSES DIG PROT	% *	1.9	7.6		
RABBITS DIG PROT	% *	1.9	7.8		
SHEEP DIG PROT	% *	2.0	8.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.64	2.61		
SHEEP DE	MCAL/KG *	0.59	2.43		
CATTLE ME	MCAL/KG *	0.52	2.14		
SHEEP ME	MCAL/KG *	0.49	2.00		
CATTLE NE-M	MCAL/KG *	0.31	1.27		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.63		
CATTLE NE-LACTATION	MCAL/KG *	0.32	1.33		
CATTLE TDN	% *	14.5	59.3		
SHEEP TDN	% *	13.5	55.2		
PANICUM VERSICOLOR					
PANICUM VERSICOLOR VERSICOLOR, AERIAL PART, FRESH, (2)					
REF NO 2-17-588					
DRY MATTER	%	34.5	100.0	25	12
PROTEIN	%	4.3	12.5	45	12
CATTLE DIG PROT	% *	2.9	8.5		
GOATS DIG PROT	% *	2.8	8.2		
HORSES DIG PROT	% *	2.8	8.1		
RABBITS DIG PROT	% *	2.9	8.3		
SHEEP DIG PROT	% *	3.0	8.6		
CALCIUM	%	0.07	0.21	51	11
MAGNESIUM	%	0.20	0.57	22	11
MANGANESE	MG/KG	68.6	199.1	38	12
PHOSPHORUS	%	0.03	0.09	46	12

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
POTASSIUM	%	0.49	1.42	41	12
SODIUM	%	0.11	0.33	98	12
ZINC	MG/KG	23.3	67.7	26	12

PARATHERIA PROSTATA

PARATHERIA PROSTATA PROSTATA, AERIAL PART, FRESH, (2)

REF NO 2-11-668

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.2		
ASH		%		9.8		2
CRUDE FIBER		%		29.4		2
ETHER EXTRACT		%		4.6		2
NITROGEN FREE EXTRACT		%		47.1		2
PROTEIN		%		9.3		2
CATTLE	DIG PROT	% *		5.8		
GOATS	DIG PROT	% *		5.2		
HORSES	DIG PROT	% *		5.4		
RABBITS	DIG PROT	% *		5.8		
SHEEP	DIG PROT	% *		5.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.09		
SHEEP	DE	MCAL/KG *		2.62		
CATTLE	ME	MCAL/KG *		2.53		
SHEEP	ME	MCAL/KG *		2.15		
CATTLE	NE-M	MCAL/KG *		1.55		
CATTLE	NE-GAIN	MCAL/KG *		0.98		
CATTLE	NE-LACTATION	MCAL/KG *		1.70		
CATTLE	TDN	% *		70.1		
SHEEP	TDN	% *		59.4		
CALCIUM		%		0.29		2
COBALT		MG/KG		0.030		1
PHOSPHORUS		%		0.15		2

PASPALUM CONDENSATUM

PASPALUM CONDENSATUM CONDENSATUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-526

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	13.5	100.0		1
ORGANIC MATTER		%	12.5	92.5		1
ASH		%	1.0	7.5		1
CRUDE FIBER		%	5.9	44.0		1
ETHER EXTRACT		%	0.1	0.8		1
NITROGEN FREE EXTRACT		%	5.7	42.5		1
PROTEIN		%	0.7	5.2		1
CATTLE	DIG PROT	% *	0.3	2.3		
GOATS	DIG PROT	% *	0.2	1.4		
HORSES	DIG PROT	% *	0.3	1.9		
RABBITS	DIG PROT	% *	0.4	2.7		
SHEEP	DIG PROT	% *	0.2	1.8		
CALCIUM		%	0.02	0.15		1
PHOSPHORUS		%	0.01	0.10		1

PASPALUM CONJUGATUM, PASPALUM, SOUR

PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, (2)

REF NO 2-10-084

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.1	100.0	21	13
ORGANIC MATTER		%	26.1	89.9	11	1
ASH		%	2.7	9.4	11	16
CRUDE FIBER		%	9.8	33.5	24	10
ETHER EXTRACT		%	0.3	1.2		2
NITROGEN FREE EXTRACT		%	13.5	46.6		2
PROTEIN		%	2.7	9.3	34	28
CATTLE	DIG PROT	% *	1.7	5.8		
GOATS	DIG PROT	% *	1.5	5.2		
HORSES	DIG PROT	% *	1.6	5.4		
RABBITS	DIG PROT	% *	1.7	5.9		
SHEEP	DIG PROT	% *	1.6	5.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.73	2.52		
SHEEP	DE	MCAL/KG *	0.73	2.50		
CATTLE	ME	MCAL/KG *	0.60	2.07		
SHEEP	ME	MCAL/KG *	0.60	2.05		
CATTLE	NE-M	MCAL/KG *	0.35	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.36	1.25		
CATTLE	TDN	% *	16.6	57.2		
SHEEP	TDN	% *	16.5	56.6		
CALCIUM		%	0.10	0.35	72	27
COBALT		MG/KG	0.071	0.243	77	14
COPPER		MG/KG	1.6	5.6	22	14
MANGANESE		MG/KG	57.2	196.8	82	14
MOLYBDENUM		MG/KG	0.13	0.46	90	14
PHOSPHORUS		%	0.05	0.18	41	25

PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, GERMINATED, (2)

REF NO 2-10-817

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.4		
ASH		%		8.6		1
CRUDE FIBER		%		34.3		1
PROTEIN		%		9.5		1
CATTLE	DIG PROT	% *		6.0		
GOATS	DIG PROT	% *		5.5		
HORSES	DIG PROT	% *		5.4		
RABBITS	DIG PROT	% *		6.0		
SHEEP	DIG PROT	% *		5.9		
CALCIUM		%		0.40		1
COBALT		MG/KG		0.091		1
COPPER		MG/KG		6.0		1
MANGANESE		MG/KG		128.4		1
MOLYBDENUM		MG/KG		0.43		1
PHOSPHORUS		%		0.28		1

PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-10-286

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.0		
ASH		%		8.0	15	5
CRUDE FIBER		%		29.4	12	5
ETHER EXTRACT		%		2.2		2
NITROGEN FREE EXTRACT		%		49.6		1
PROTEIN		%		10.7	20	5
CATTLE	DIG PROT	% *		7.0		
GOATS	DIG PROT	% *		6.5		
HORSES	DIG PROT	% *		6.6		
RABBITS	DIG PROT	% *		6.8		
SHEEP	DIG PROT	% *		6.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.67		
SHEEP	DE	MCAL/KG *		2.69		
CATTLE	ME	MCAL/KG *		2.19		
SHEEP	ME	MCAL/KG *		2.20		
CATTLE	NE-M	MCAL/KG *		1.30		
CATTLE	NE-GAIN	MCAL/KG *		0.67		
CATTLE	NE-LACTATION	MCAL/KG *		1.37		
CATTLE	TDN	% *		60.4		
SHEEP	TDN	% *		61.0		
CALCIUM		%		0.31	15	5
COBALT		MG/KG		0.221		3
COPPER		MG/KG		4.4		3
MANGANESE		MG/KG		194.5		3
MOLYBDENUM		MG/KG		0.06		3
PHOSPHORUS		%		0.14		3

PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-223

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.6	100.0	22	7
ORGANIC MATTER		%	21.3	86.4	18	6
ASH		%	3.1	12.6	18	7
CRUDE FIBER		%	6.4	26.0	22	7
ETHER EXTRACT		%	0.3	1.3	35	7
NITROGEN FREE EXTRACT		%	11.4	46.2	2	7
PROTEIN		%	3.4	13.8	31	7
CATTLE	DIG PROT	% *	2.4	9.6		
GOATS	DIG PROT	% *	2.3	9.5		
HORSES	DIG PROT	% *	2.3	9.3		
RABBITS	DIG PROT	% *	2.3	9.3		
SHEEP	DIG PROT	% *	2.4	9.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.66	2.68		
SHEEP	DE	MCAL/KG *	0.65	2.63		
CATTLE	ME	MCAL/KG *	0.54	2.20		
SHEEP	ME	MCAL/KG *	0.53	2.16		
CATTLE	NE-M	MCAL/KG *	0.32	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.69		
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.38		
CATTLE	TDN	% *	15.0	60.8		
SHEEP	TDN	% *	14.7	59.7		
CALCIUM		%	0.12	0.46	33	7
PHOSPHORUS		%	0.07	0.29	33	7

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-10-287						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.0		
ASH		%		10.0	31	8
CRUDE FIBER		%		31.6	16	9
PROTEIN		%		9.9	17	9
CATTLE	DIG PROT	% *		6.3		
GOATS	DIG PROT	% *		5.8		
HORSES	DIG PROT	% *		5.9		
RABBITS	DIG PROT	% *		6.3		
SHEEP	DIG PROT	% *		6.2		
CALCIUM		%		0.49	28	9
COBALT		MG/KG		0.109	82	9
COPPER		MG/KG		5.4	31	9
MANGANESE		MG/KG		272.9	24	9
MOLYBDENUM		MG/KG		0.26	98	9
PHOSPHORUS		%		0.23	45	6
PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-10-285						
DRY MATTER		%	28.0	100.0	24	6
ORGANIC MATTER		%	23.8	85.2	34	6
ASH		%	3.4	12.1	34	11
CRUDE FIBER		%	7.8	27.8	16	11
ETHER EXTRACT		%	0.3	1.2	39	7
NITROGEN FREE EXTRACT		%	13.7	48.9	7	7
PROTEIN		%	2.8	10.0	28	11
CATTLE	DIG PROT	% *	1.8	6.4		
GOATS	DIG PROT	% *	1.7	5.9		
HORSES	DIG PROT	% *	1.7	6.1		
RABBITS	DIG PROT	% *	1.8	6.4		
SHEEP	DIG PROT	% *	1.8	6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.74	2.63		
SHEEP	DE	MCAL/KG *	0.72	2.57		
CATTLE	ME	MCAL/KG *	0.60	2.16		
SHEEP	ME	MCAL/KG *	0.59	2.11		
CATTLE	NE-M	MCAL/KG *	0.36	1.28		
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.65		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.34		
CATTLE	TDN	% *	16.7	59.7		
SHEEP	TDN	% *	16.3	58.4		
CALCIUM		%	0.15	0.53	67	10
COBALT		MG/KG	0.031	0.111	61	4
COPPER		MG/KG	1.7	5.9	22	4
MANGANESE		MG/KG	82.2	294.0	28	4
MOLYBDENUM		MG/KG	0.05	0.17	64	4
PHOSPHORUS		%	0.06	0.22	39	7
PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, LATE BLOOM, (2)						
REF NO 2-10-818						
DRY MATTER		%	26.9	100.0		3
ORGANIC MATTER		%	23.6	87.9	10	3
ASH		%	3.0	11.2	10	5
CRUDE FIBER		%	8.2	30.4		3
ETHER EXTRACT		%	0.4	1.6	98	4
NITROGEN FREE EXTRACT		%	12.8	47.8	5	4
PROTEIN		%	2.4	9.0	15	5
CATTLE	DIG PROT	% *	1.5	5.5		
GOATS	DIG PROT	% *	1.3	4.9		
HORSES	DIG PROT	% *	1.4	5.1		
RABBITS	DIG PROT	% *	1.5	5.6		
SHEEP	DIG PROT	% *	1.4	5.4		
CELLULOSE (CRAMPTON)		%	7.1	26.6		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.67	2.51		
SHEEP	DE	MCAL/KG *	0.68	2.54		
CATTLE	ME	MCAL/KG *	0.55	2.06		
SHEEP	ME	MCAL/KG *	0.56	2.08		
CATTLE	NE-M	MCAL/KG *	0.33	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.55		
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.25		
CATTLE	TDN	% *	15.3	57.0		
SHEEP	TDN	% *	15.5	57.5		
CALCIUM		%	0.10	0.39	19	5
COBALT		MG/KG	0.033	0.124		1
COPPER		MG/KG	1.4	5.2		1
MAGNESIUM		%	0.17	0.62		1
MANGANESE		MG/KG	67.0	249.4		1
MOLYBDENUM		MG/KG	0.02	0.09		1
PHOSPHORUS		%	0.05	0.19	34	5
ACID INSOLUBLE ASH (SILICA)		%	1.06	3.94		1
PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, MILK STAGE, (2)						
REF NO 2-17-519						
DRY MATTER		%	27.9	100.0	14	7
ORGANIC MATTER		%	24.2	86.9	6	7
ASH		%	3.6	13.1	6	7
CRUDE FIBER		%	8.3	29.7	10	7
ETHER EXTRACT		%	0.3	1.0	29	7
NITROGEN FREE EXTRACT		%	13.5	46.5	9	7
PROTEIN		%	2.1	7.7	32	7
CATTLE	DIG PROT	% *	1.2	4.4		
GOATS	DIG PROT	% *	1.0	3.7		
HORSES	DIG PROT	% *	1.1	4.1		
RABBITS	DIG PROT	% *	1.3	4.6		
SHEEP	DIG PROT	% *	1.2	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.72	2.58		
SHEEP	DE	MCAL/KG *	0.69	2.46		
CATTLE	ME	MCAL/KG *	0.59	2.12		
SHEEP	ME	MCAL/KG *	0.56	2.02		
CATTLE	NE-M	MCAL/KG *	0.35	1.25		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.61		
CATTLE	NE-LACTATION	MCAL/KG *	0.36	1.30		
CATTLE	TDN	% *	16.3	58.6		
SHEEP	TDN	% *	15.6	55.9		
CALCIUM		%	0.12	0.44	16	7
PHOSPHORUS		%	0.06	0.23	14	7
PASPALUM CONJUGATUM SOUR, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-288						
DRY MATTER		%	27.3	100.0		1
ORGANIC MATTER		%	24.9	91.1	32	1
ASH		%	2.5	9.2	32	25
CRUDE FIBER		%	9.6	35.3	10	10
ETHER EXTRACT		%	0.7	2.7	33	10
NITROGEN FREE EXTRACT		%	11.9	43.4	13	10
PROTEIN		%	2.6	9.4	26	25
CATTLE	DIG PROT	% *	1.6	5.9		
GOATS	DIG PROT	% *	1.5	5.3		
HORSES	DIG PROT	% *	1.5	5.5		
RABBITS	DIG PROT	% *	1.6	5.9		
SHEEP	DIG PROT	% *	1.6	5.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.30		
SHEEP	DE	MCAL/KG *	0.69	2.54		
CATTLE	ME	MCAL/KG *	0.52	1.89		
SHEEP	ME	MCAL/KG *	0.57	2.09		
CATTLE	NE-M	MCAL/KG *	0.30	1.11		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.37		
CATTLE	NE-LACTATION	MCAL/KG *	0.30	1.08		
CATTLE	TDN	% *	14.3	52.2		
SHEEP	TDN	% *	15.8	57.7		
CALCIUM		%	0.10	0.36	43	25
COBALT		MG/KG	0.084	0.306	65	24
COPPER		MG/KG	1.5	5.5	32	24
MANGANESE		MG/KG	63.5	232.5	88	24
MOLYBDENUM		MG/KG	0.07	0.24	98	20
PHOSPHORUS		%	0.10	0.37	86	24
PASPALUM CORIFEUM						
PASPALUM CORIFEUM CORIFEUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-520						
DRY MATTER		%	36.2	100.0	24	6
ORGANIC MATTER		%	32.6	90.2	32	6
ASH		%	4.1	11.4	33	6
CRUDE FIBER		%	12.6	35.5	8	6
ETHER EXTRACT		%	0.5	1.3	15	6
NITROGEN FREE EXTRACT		%	14.5	40.1	6	6
PROTEIN		%	4.2	11.7	26	6
CATTLE	DIG PROT	% *	2.6	7.8		
GOATS	DIG PROT	% *	2.7	7.4		
HORSES	DIG PROT	% *	2.7	7.4		
RABBITS	DIG PROT	% *	2.8	7.7		
SHEEP	DIG PROT	% *	2.8	7.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.94	2.59		
SHEEP	DE	MCAL/KG *	0.89	2.46		
CATTLE	ME	MCAL/KG *	0.77	2.12		
SHEEP	ME	MCAL/KG *	0.73	2.02		
CATTLE	NE-M	MCAL/KG *	0.45	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	0.47	1.31		
CATTLE	TDN	% *	21.2	58.8		
SHEEP	TDN	% *	20.2	55.8		
CALCIUM		%	0.10	0.28	9	6
PHOSPHORUS		%	0.11	0.31	14	6

PASPALUM CONIFEUM CONIFEUM, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-17-521

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	35.9	100.0	1
ORGANIC MATTER		%	32.6	90.9	1
ASH		%	3.3	9.1	1
CRUDE FIBER		%	13.7	38.3	1
ETHER EXTRACT		%	0.4	1.2	1
NITROGEN FREE EXTRACT		%	15.3	42.7	1
PROTEIN		%	3.1	8.7	1
CATTLE	DIG PROT	% *	1.9	5.3	
GOATS	DIG PROT	% *	1.7	4.7	
HORSES	DIG PROT	% *	1.8	4.9	
RABBITS	DIG PROT	% *	1.9	5.4	
SHEEP	DIG PROT	% *	1.8	5.1	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG	*	0.88	2.44	
SHEEP	DE KCAL/KG	*	0.87	2.42	
CATTLE	ME KCAL/KG	*	0.72	2.00	
SHEEP	ME KCAL/KG	*	0.71	1.98	
CATTLE	NE-M	KCAL/KG *	0.42	1.18	
CATTLE	NE-GAIN	KCAL/KG *	0.18	0.49	
CATTLE	NE-LACTATION	KCAL/KG *	0.43	1.19	
CATTLE	TDN	% *	19.9	55.4	
SHEEP	TDN	% *	19.7	54.8	
CALCIUM		%	0.06	0.16	1
PHOSPHORUS		%	0.08	0.22	1

PASPALUM CONIFEUM CONIFEUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-522

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	39.7	100.0	2
ORGANIC MATTER		%	36.7	92.4	2
ASH		%	3.0	7.7	2
CRUDE FIBER		%	16.3	41.1	2
ETHER EXTRACT		%	0.4	1.0	2
NITROGEN FREE EXTRACT		%	17.8	44.8	2
PROTEIN		%	2.2	5.5	2
CATTLE	DIG PROT	% *	1.0	2.5	
GOATS	DIG PROT	% *	0.7	1.6	
HORSES	DIG PROT	% *	0.9	2.2	
RABBITS	DIG PROT	% *	1.1	2.9	
SHEEP	DIG PROT	% *	0.8	2.1	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG	*	0.89	2.25	
SHEEP	DE KCAL/KG	*	0.92	2.33	
CATTLE	ME KCAL/KG	*	0.73	1.85	
SHEEP	ME KCAL/KG	*	0.76	1.91	
CATTLE	NE-M	KCAL/KG *	0.43	1.09	
CATTLE	NE-GAIN	KCAL/KG *	0.13	0.32	
CATTLE	NE-LACTATION	KCAL/KG *	0.41	1.04	
CATTLE	TDN	% *	20.3	51.1	
SHEEP	TDN	% *	21.0	52.8	
CALCIUM		%	0.06	0.16	2
PHOSPHORUS		%	0.07	0.18	2

PASPALUM CONIFEUM CONIFEUM, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-523

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	32.3	100.0	2
ORGANIC MATTER		%	29.6	91.7	2
ASH		%	2.7	8.3	2
CRUDE FIBER		%	12.2	37.8	2
ETHER EXTRACT		%	0.4	1.1	2
NITROGEN FREE EXTRACT		%	14.8	45.9	2
PROTEIN		%	2.2	7.0	2
CATTLE	DIG PROT	% *	1.2	3.8	
GOATS	DIG PROT	% *	1.0	3.0	
HORSES	DIG PROT	% *	1.1	3.4	
RABBITS	DIG PROT	% *	1.3	4.0	
SHEEP	DIG PROT	% *	1.1	3.5	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG	*	0.76	2.36	
SHEEP	DE KCAL/KG	*	0.77	2.40	
CATTLE	ME KCAL/KG	*	0.62	1.94	
SHEEP	ME KCAL/KG	*	0.64	1.97	
CATTLE	NE-M	KCAL/KG *	0.37	1.14	
CATTLE	NE-GAIN	KCAL/KG *	0.14	0.42	
CATTLE	NE-LACTATION	KCAL/KG *	0.38	1.13	
CATTLE	TDN	% *	17.3	53.5	
SHEEP	TDN	% *	17.6	54.5	
CALCIUM		%	0.06	0.19	2
PHOSPHORUS		%	0.10	0.30	2

PASPALUM CONIFEUM CONIFEUM, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-17-524

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	37.0	100.0	1
ORGANIC MATTER		%	34.1	92.1	1
ASH		%	2.9	7.9	1
CRUDE FIBER		%	12.1	32.7	1
ETHER EXTRACT		%	0.4	1.2	1
NITROGEN FREE EXTRACT		%	18.3	49.4	1
PROTEIN		%	3.3	8.8	1
CATTLE	DIG PROT	% *	2.0	5.4	
GOATS	DIG PROT	% *	1.8	4.8	
HORSES	DIG PROT	% *	1.9	5.0	
RABBITS	DIG PROT	% *	2.0	5.5	
SHEEP	DIG PROT	% *	1.9	5.2	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG	*	0.93	2.51	
SHEEP	DE KCAL/KG	*	0.94	2.55	
CATTLE	ME KCAL/KG	*	0.76	2.05	
SHEEP	ME KCAL/KG	*	0.77	2.09	
CATTLE	NE-M	KCAL/KG *	0.45	1.21	
CATTLE	NE-GAIN	KCAL/KG *	0.20	0.54	
CATTLE	NE-LACTATION	KCAL/KG *	0.46	1.24	
CATTLE	TDN	% *	21.0	56.8	
SHEEP	TDN	% *	21.4	57.8	
CALCIUM		%	0.06	0.16	1
PHOSPHORUS		%	0.08	0.21	1

PASPALUM CONIFEUM CONIFEUM, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-17-525

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	35.8	100.0	1
ORGANIC MATTER		%	32.6	91.1	1
ASH		%	3.2	8.9	1
CRUDE FIBER		%	14.7	41.2	1
ETHER EXTRACT		%	0.4	1.0	1
NITROGEN FREE EXTRACT		%	13.0	38.5	1
PROTEIN		%	3.7	10.4	1
CATTLE	DIG PROT	% *	2.4	6.7	
GOATS	DIG PROT	% *	2.2	6.3	
HORSES	DIG PROT	% *	2.3	6.4	
RABBITS	DIG PROT	% *	2.4	6.7	
SHEEP	DIG PROT	% *	2.4	6.7	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG	*	0.94	2.63	
SHEEP	DE KCAL/KG	*	0.86	2.41	
CATTLE	ME KCAL/KG	*	0.77	2.16	
SHEEP	ME KCAL/KG	*	0.71	1.97	
CATTLE	NE-M	KCAL/KG *	0.46	1.28	
CATTLE	NE-GAIN	KCAL/KG *	0.23	0.65	
CATTLE	NE-LACTATION	KCAL/KG *	0.48	1.34	
CATTLE	TDN	% *	21.4	59.7	
SHEEP	TDN	% *	19.8	54.6	
CALCIUM		%	0.07	0.20	1
PHOSPHORUS		%	0.10	0.28	1

PASPALUM DILATATUM, DALLISGRASS

PASPALUM DILATATUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-222

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	22.5	100.0	2
ORGANIC MATTER		%	19.7	87.6	1
ASH		%	2.3	10.2	2
CRUDE FIBER		%	7.7	34.2	2
ETHER EXTRACT		%	0.4	1.6	2
NITROGEN FREE EXTRACT		%	9.5	42.3	2
PROTEIN		%	2.6	11.7	2
CATTLE	DIG PROT	% *	1.8	7.8	
GOATS	DIG PROT	% *	1.7	7.5	
HORSES	DIG PROT	% *	1.7	7.4	
RABBITS	DIG PROT	% *	1.7	7.7	
SHEEP	DIG PROT	% *	1.8	7.9	
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG	*	0.57	2.52	
SHEEP	DE KCAL/KG	*	0.57	2.52	
CATTLE	ME KCAL/KG	*	0.46	2.07	
SHEEP	ME KCAL/KG	*	0.47	2.07	
CATTLE	NE-M	KCAL/KG *	0.27	1.22	
CATTLE	NE-GAIN	KCAL/KG *	0.13	0.56	
CATTLE	NE-LACTATION	KCAL/KG *	0.28	1.25	
CATTLE	TDN	% *	12.9	57.1	
SHEEP	TDN	% *	12.9	57.3	
CALCIUM		%	0.11	0.47	2
PHOSPHORUS		%	0.03	0.15	2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM DILATATUM, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-01-739						
DRY MATTER		%	32.0	100.0		1
ORGANIC MATTER		%	28.7	89.6		
ASH		%	3.3	10.4		1
CRUDE FIBER		%	9.4	29.4		1
ETHER EXTRACT		%	0.3	0.8		1
NITROGEN FREE EXTRACT		%	17.5	54.6		1
PROTEIN		%	1.5	4.8		1
CATTLE	DIG PROT	% *	0.6	2.0		
GOATS	DIG PROT	% *	0.3	1.0		
HORSES	DIG PROT	% *	0.5	1.6		
RABBITS	DIG PROT	% *	0.8	2.4		
SHEEP	DIG PROT	% *	0.5	1.5		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.82	2.57		
SHEEP	DE KCAL/KG	*	0.80	2.51		
CATTLE	ME KCAL/KG	*	0.67	2.10		
SHEEP	ME KCAL/KG	*	0.66	2.06		
CATTLE	NE-M KCAL/KG	*	0.40	1.24		
CATTLE	NE-GAIN KCAL/KG	*	0.19	0.59		
CATTLE	NE-LACTATION KCAL/KG	*	0.41	1.29		
CATTLE	TDN	% *	18.6	58.2		
SHEEP	TDN	% *	18.2	57.0		
CALCIUM		%	0.06	0.19		1
PHOSPHORUS		%	0.01	0.04		1

PASPALUM DISTICHUM, KNOTGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM DISTICHUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-02-473						
DRY MATTER		%	28.9	100.0		2
ORGANIC MATTER		%	(25.7)	(89.1)		2
ASH		%	(3.2)	(10.9)		2
CRUDE FIBER		%	(7.1)	(24.5)		2
ETHER EXTRACT		%	(0.4)	(1.3)		2
NITROGEN FREE EXTRACT		%	(15.6)	(54.1)		2
PROTEIN		%	(2.7)	(9.3)		2
CATTLE	DIG PROT	% *	(1.7)	(5.8)		
GOATS	DIG PROT	% *	(1.5)	(5.2)		
HORSES	DIG PROT	% *	(1.6)	(5.4)		
RABBITS	DIG PROT	% *	(1.7)	(5.8)		
SHEEP	DIG PROT	% *	(1.6)	(5.6)		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	(0.79)	(2.74)		
SHEEP	DE KCAL/KG	*	(0.78)	(2.72)		
CATTLE	ME KCAL/KG	*	(0.65)	(2.25)		
SHEEP	ME KCAL/KG	*	(0.64)	(2.23)		
CATTLE	NE-M KCAL/KG	*	(0.39)	(1.34)		
CATTLE	NE-GAIN KCAL/KG	*	(0.21)	(0.73)		
CATTLE	NE-LACTATION KCAL/KG	*	(0.41)	(1.43)		
CATTLE	TDN	% *	(18.0)	(62.2)		
SHEEP	TDN	% *	17.8	61.6		
CALCIUM		%	0.05	0.19		2
PHOSPHORUS		%	0.05	0.19		2

PASPALUM ERIONTHUM

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM ERIONTHUM ERIONTHUM, AERIAL PART, FRESH, (2)						
REF NO 2-17-569						
DRY MATTER		%	40.9	100.0		1
PROTEIN		%	3.4	8.3		1
CATTLE	DIG PROT	% *	2.0	4.9		
GOATS	DIG PROT	% *	1.8	4.3		
HORSES	DIG PROT	% *	1.9	4.6		
RABBITS	DIG PROT	% *	2.1	5.1		
SHEEP	DIG PROT	% *	1.9	4.7		
CALCIUM		%	0.11	0.26		1
MAGNESIUM		%	0.20	0.49		1
MANGANESE		MG/KG	145.6	356.0		1
PHOSPHORUS		%	0.03	0.08		1
POTASSIUM		%	0.32	0.79		1
SODIUM		%	0.06	0.15		1
ZINC		MG/KG	37.2	91.0		1

PASPALUM FASCICULATUM, PASPALUM, BROWNTOP

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, (2)						
REF NO 2-11-470						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.3		
ASH		%		10.7	27	5
CRUDE FIBER		%		29.2	11	5
ETHER EXTRACT		%		1.4	52	5
NITROGEN FREE EXTRACT		%		50.3	5	5
PROTEIN		%		8.4	19	5
CATTLE	DIG PROT	% *		5.0		
GOATS	DIG PROT	% *		4.4		
HORSES	DIG PROT	% *		4.6		
RABBITS	DIG PROT	% *		5.1		
SHEEP	DIG PROT	% *		4.8		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		2.56		
SHEEP	DE KCAL/KG	*		2.57		
CATTLE	ME KCAL/KG	*		2.10		
SHEEP	ME KCAL/KG	*		2.11		
CATTLE	NE-M KCAL/KG	*		1.24		
CATTLE	NE-GAIN KCAL/KG	*		0.59		
CATTLE	NE-LACTATION KCAL/KG	*		1.28		
CATTLE	TDN	% *		58.0		
SHEEP	TDN	% *		58.3		
CALCIUM		%		0.34		1
COBALT		MG/KG		0.030		1
PHOSPHORUS		%		0.17		1
PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-11-456						
DRY MATTER		%		100.0		
ETHER EXTRACT		%		2.9		2
CATTLE	DIG COEF	%		60.		1
PROTEIN		%		11.1		2
CATTLE	DIG COEF	%		59.		1
CATTLE	DIG PROT	%		6.5		
GOATS	DIG PROT	% *		6.9		
HORSES	DIG PROT	% *		6.9		
RABBITS	DIG PROT	% *		7.2		
SHEEP	DIG PROT	% *		7.3		
CELL WALLS (VAN SOEST)		%		67.4		2
ENERGY	GE KCAL/KG			4154.		1
CATTLE	GE DIG COEF	%		60.		1
CATTLE	DE KCAL/KG			2.49		
CATTLE	ME KCAL/KG	*		2.04		
CATTLE	NE-M KCAL/KG	*		1.21		
CATTLE	NE-GAIN KCAL/KG	*		0.53		
CATTLE	NE-LACTATION KCAL/KG	*		1.23		
DM INTAKE, CATTLE % OF BODY WT				1.27		1
PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-17-679						
DRY MATTER		%	32.5	100.0		1
ORGANIC MATTER		%	29.6	91.0		
ASH		%	2.9	9.0		1
CRUDE FIBER		%	9.6	29.5		1
PROTEIN		%	1.8	5.6		1
CATTLE	DIG PROT	% *	0.9	2.7		
GOATS	DIG PROT	% *	0.6	1.8		
HORSES	DIG PROT	% *	0.7	2.3		
RABBITS	DIG PROT	% *	1.0	3.0		
SHEEP	DIG PROT	% *	0.7	2.2		
PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, 71 TO 8[illegible] DAYS' GROWTH, (2)						
REF NO 2-11-465						
DRY MATTER		%		100.0		
ETHER EXTRACT		%		2.9		2
CATTLE	DIG COEF	%		58.		1
PROTEIN		%		10.4		2
CATTLE	DIG COEF	%		51.		1
CATTLE	DIG PROT	%		5.3		
GOATS	DIG PROT	% *		6.3		
HORSES	DIG PROT	% *		6.4		
RABBITS	DIG PROT	% *		6.7		
SHEEP	DIG PROT	% *		6.7		
CELL WALLS (VAN SOEST)		%		71.1		2
ENERGY	GE KCAL/KG			4067.		1
CATTLE	GE DIG COEF	%		49.		1
CATTLE	DE KCAL/KG			1.99		
CATTLE	ME KCAL/KG	*		1.63		
CATTLE	NE-M KCAL/KG	*		0.98		
CATTLE	NE-GAIN KCAL/KG	*		0.07		
CATTLE	NE-LACTATION KCAL/KG	*		0.86		
DM INTAKE, CATTLE % OF BODY WT				1.50		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO

PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-11-509

DRY MATTER	%	24.1	100.0	1
ORGANIC MATTER	%	19.8	82.3	
ASH	%	4.3	17.7	1
CRUDE FIBER	%	7.2	29.9	1
ETHER EXTRACT	%	0.3	1.1	1
NITROGEN FREE EXTRACT	%	9.6	39.7	1
PROTEIN	%	2.8	11.7	1
CATTLE DIG PROT	% •	1.9	7.8	
GOATS DIG PROT	% •	1.8	7.4	
HORSES DIG PROT	% •	1.8	7.4	
RABBITS DIG PROT	% •	1.9	7.7	
SHEEP DIG PROT	% •	1.9	7.9	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	0.64	2.65	
SHEEP DE	MCAL/KG •	0.57	2.37	
CATTLE ME	MCAL/KG •	0.52	2.17	
SHEEP ME	MCAL/KG •	0.47	1.94	
CATTLE NE-M	MCAL/KG •	0.31	1.28	
CATTLE NE-GAIN	MCAL/KG •	0.16	0.66	
CATTLE NE-LACTATION	MCAL/KG •	0.33	1.35	
CATTLE TDN	% •	14.5	60.0	
SHEEP TDN	% •	12.9	53.6	
CALCIUM	%	0.14	0.60	1
PHOSPHORUS	%	0.06	0.26	1

PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-11-472

DRY MATTER	%	23.3	100.0	1
ORGANIC MATTER	%	20.4	87.5	
ASH	%	2.9	12.5	2
CRUDE FIBER	%	6.5	28.1	2
ETHER EXTRACT	%	0.1	0.6	2
NITROGEN FREE EXTRACT	%	10.6	45.6	2
PROTEIN	%	3.1	13.2	2
CATTLE DIG PROT	% •	2.1	9.1	
GOATS DIG PROT	% •	2.1	8.9	
HORSES DIG PROT	% •	2.0	8.8	
RABBITS DIG PROT	% •	2.1	8.9	
SHEEP DIG PROT	% •	2.2	9.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	0.65	2.77	
SHEEP DE	MCAL/KG •	0.59	2.55	
CATTLE ME	MCAL/KG •	0.53	2.27	
SHEEP ME	MCAL/KG •	0.49	2.09	
CATTLE NE-M	MCAL/KG •	0.32	1.36	
CATTLE NE-GAIN	MCAL/KG •	0.18	0.76	
CATTLE NE-LACTATION	MCAL/KG •	0.34	1.45	
CATTLE TDN	% •	14.7	62.9	
SHEEP TDN	% •	13.5	57.7	
CALCIUM	%	0.13	0.54	1
PHOSPHORUS	%	0.07	0.28	1

PASPALUM FASCICULATUM BROWNTOP, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-11-508

DRY MATTER	%	23.8	100.0	1
ORGANIC MATTER	%	20.8	87.5	
ASH	%	3.0	12.5	1
CRUDE FIBER	%	8.1	33.9	1
ETHER EXTRACT	%	0.2	0.9	1
NITROGEN FREE EXTRACT	%	10.9	46.0	1
PROTEIN	%	1.6	6.8	1
CATTLE DIG PROT	% •	0.9	3.7	
GOATS DIG PROT	% •	0.7	2.9	
HORSES DIG PROT	% •	0.8	3.3	
RABBITS DIG PROT	% •	0.9	3.9	
SHEEP DIG PROT	% •	0.8	3.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	0.61	2.56	
SHEEP DE	MCAL/KG •	0.54	2.36	
CATTLE ME	MCAL/KG •	0.50	2.10	
SHEEP ME	MCAL/KG •	0.46	1.93	
CATTLE NE-M	MCAL/KG •	0.30	1.24	
CATTLE NE-GAIN	MCAL/KG •	0.14	0.59	
CATTLE NE-LACTATION	MCAL/KG •	0.31	1.28	
CATTLE TDN	% •	13.8	58.1	
SHEEP TDN	% •	12.7	53.5	
CALCIUM	%	0.14	0.57	1
PHOSPHORUS	%	0.03	0.14	1

PASPALUM MUNBOLDTIANUM

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO

PASPALUM MUNBOLDTIANUM MUNBOLDTIANUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-563

DRY MATTER	%	25.0	100.0	1
ORGANIC MATTER	%	22.3	89.1	1
ASH	%	2.7	10.9	1
CRUDE FIBER	%	9.4	37.6	1
ETHER EXTRACT	%	0.4	1.5	1
NITROGEN FREE EXTRACT	%	11.2	44.6	1
PROTEIN	%	1.4	5.4	1
CATTLE DIG PROT	% •	0.6	2.5	
GOATS DIG PROT	% •	0.4	1.6	
HORSES DIG PROT	% •	0.5	2.1	
RABBITS DIG PROT	% •	0.7	2.8	
SHEEP DIG PROT	% •	0.5	2.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	0.56	2.22	
SHEEP DE	MCAL/KG •	0.59	2.35	
CATTLE ME	MCAL/KG •	0.46	1.82	
SHEEP ME	MCAL/KG •	0.48	1.93	
CATTLE NE-M	MCAL/KG •	0.27	1.08	
CATTLE NE-GAIN	MCAL/KG •	0.07	0.29	
CATTLE NE-LACTATION	MCAL/KG •	0.25	1.02	
CATTLE TDN	% •	12.6	50.4	
SHEEP TDN	% •	13.4	53.4	
CALCIUM	%	0.04	0.14	1
PHOSPHORUS	%	0.02	0.06	1

PASPALUM LANGEI, PASPALUM, RUSTYSEED

PASPALUM LANGEI RUSTYSEED, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-562

DRY MATTER	%	19.8	100.0	1
ORGANIC MATTER	%	17.0	86.1	1
ASH	%	2.8	13.9	1
CRUDE FIBER	%	6.3	32.0	1
ETHER EXTRACT	%	0.2	1.0	1
NITROGEN FREE EXTRACT	%	8.2	41.2	1
PROTEIN	%	2.4	11.9	1
CATTLE DIG PROT	% •	1.6	8.0	
GOATS DIG PROT	% •	1.5	7.7	
HORSES DIG PROT	% •	1.5	7.6	
RABBITS DIG PROT	% •	1.6	7.9	
SHEEP DIG PROT	% •	1.6	8.1	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	0.53	2.70	
SHEEP DE	MCAL/KG •	0.48	2.43	
CATTLE ME	MCAL/KG •	0.44	2.21	
SHEEP ME	MCAL/KG •	0.39	1.99	
CATTLE NE-M	MCAL/KG •	0.26	1.31	
CATTLE NE-GAIN	MCAL/KG •	0.14	0.70	
CATTLE NE-LACTATION	MCAL/KG •	0.28	1.39	
CATTLE TDN	% •	12.1	61.2	
SHEEP TDN	% •	10.9	55.1	
CALCIUM	%	0.31	1.56	1
PHOSPHORUS	%	0.05	0.23	1

PASPALUM MACROPHYLLUM

PASPALUM MACROPHYLLUM MACROPHYLLUM, AERIAL PART, FRESH, (2)

REF NO 2-17-559

DRY MATTER	%	16.3	100.0	1
ORGANIC MATTER	%	14.4	88.1	1
ASH	%	1.9	11.9	1
CRUDE FIBER	%	4.9	29.9	1
ETHER EXTRACT	%	0.3	2.0	1
NITROGEN FREE EXTRACT	%	7.6	46.5	1
PROTEIN	%	1.6	9.7	1
CATTLE DIG PROT	% •	1.0	6.1	
GOATS DIG PROT	% •	0.9	5.6	
HORSES DIG PROT	% •	0.9	5.8	
RABBITS DIG PROT	% •	1.0	6.2	
SHEEP DIG PROT	% •	1.0	6.0	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	0.41	2.49	
SHEEP DE	MCAL/KG •	0.42	2.56	
CATTLE ME	MCAL/KG •	0.33	2.04	
SHEEP ME	MCAL/KG •	0.34	2.10	
CATTLE NE-M	MCAL/KG •	0.20	1.21	
CATTLE NE-GAIN	MCAL/KG •	0.09	0.53	
CATTLE NE-LACTATION	MCAL/KG •	0.20	1.23	
CATTLE TDN	% •	9.2	56.5	
SHEEP TDN	% •	9.4	58.0	
CALCIUM	%	0.10	0.64	1
PHOSPHORUS	%	0.04	0.27	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM MACROPHYLLUM MACROPHYLLUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-558						
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	21.9	87.7		1
ASH		%	3.1	12.3		1
CRUDE FIBER		%	8.3	33.1		1
ETHER EXTRACT		%	0.4	1.7		1
NITROGEN FREE EXTRACT		%	11.0	43.8		1
PROTEIN		%	2.3	9.1		1
CATTLE	DIG PROT	% *	1.4	5.6		
GOATS	DIG PROT	% *	1.3	5.1		
HORSES	DIG PROT	% *	1.3	5.3		
RABBITS	DIG PROT	% *	1.4	5.7		
SHEEP	DIG PROT	% *	1.4	5.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.60	2.42		
SHEEP	DE MCAL/KG	*	0.62	2.46		
CATTLE	ME MCAL/KG	*	0.50	1.98		
SHEEP	ME MCAL/KG	*	0.50	2.02		
CATTLE	NE-M MCAL/KG	*	0.29	1.17		
CATTLE	NE-GAIN MCAL/KG	*	0.12	0.47		
CATTLE	NE-LACTATION MCAL/KG	*	0.29	1.17		
CATTLE	TDN	% *	13.7	54.9		
SHEEP	TDN	% *	14.0	55.9		
CALCIUM		%	0.10	0.38		1
PHOSPHORUS		%	0.03	0.13		1

PASPALUM MILLEGRANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM MILLEGRANA MILLEGRANA, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-561						
DRY MATTER		%	19.1	100.0		1
ORGANIC MATTER		%	17.4	91.2		1
ASH		%	1.7	8.8		1
CRUDE FIBER		%	8.4	43.8		1
ETHER EXTRACT		%	0.2	1.2		1
NITROGEN FREE EXTRACT		%	6.4	33.7		1
PROTEIN		%	2.4	12.5		1
CATTLE	DIG PROT	% *	1.6	8.5		
GOATS	DIG PROT	% *	1.6	8.2		
HORSES	DIG PROT	% *	1.6	8.1		
RABBITS	DIG PROT	% *	1.6	8.3		
SHEEP	DIG PROT	% *	1.7	8.6		
CALCIUM		%	0.08	0.41		1
PHOSPHORUS		%	0.04	0.19		1

PASPALUM NOTATUM, BAHIAGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM NOTATUM, AERIAL PART, OEMT GRND, (1)						
REF NO 1-10-820						
DRY MATTER		%	89.4	100.0		1
ORGANIC MATTER		%	79.6	89.0		1
ASH		%	9.8	11.0		1
CRUDE FIBER		%	30.0	33.6		1
ETHER EXTRACT		%	4.5	5.0		1
NITROGEN FREE EXTRACT		%	37.5	41.9		1
PROTEIN		%	7.6	8.5		1
CATTLE	DIG PROT	% *	3.8	4.3		
GOATS	DIG PROT	% *	4.0	4.5		
HORSES	DIG PROT	% *	4.2	4.7		
RABBITS	DIG PROT	% *	4.7	5.2		
SHEEP	DIG PROT	% *	3.8	4.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.94	2.17		
HORSES	DE MCAL/KG	*	1.92	2.15		
SHEEP	DE MCAL/KG	*	1.93	2.16		
CATTLE	ME MCAL/KG	*	1.59	1.78		
HORSES	ME MCAL/KG	*	1.58	1.76		
SHEEP	ME MCAL/KG	*	1.58	1.77		
CATTLE	NE-M MCAL/KG	*	0.94	1.05		
CATTLE	NE-GAIN MCAL/KG	*	0.22	0.25		
CATTLE	NE-LACTATION MCAL/KG	*	0.88	0.98		
CATTLE	TDN	% *	44.0	49.3		
HORSES	TDN	% *	48.5	54.2		
SHEEP	TDN	% *	43.8	49.0		
CALCIUM		%	0.52	0.58		1
PHOSPHORUS		%	0.18	0.20		1
VITAMIN A EQUIV		IU/G	194.7	217.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM NOTATUM, HAY, 5-C, (1)						
REF NO 1-00-462						
DRY MATTER		%	90.9	100.0	1	11
ORGANIC MATTER		%	80.5	88.6		
ASH		%	10.4	11.4	8	11
CRUDE FIBER		%	30.5	33.5	6	11
ETHER EXTRACT		%	1.2	1.4	34	11
NITROGEN FREE EXTRACT		%	37.6	41.4	8	11
PROTEIN		%	11.2	12.3	20	11
CATTLE	DIG PROT	% *	6.9	7.6		
GOATS	DIG PROT	% *	7.3	8.1		
HORSES	DIG PROT	% *	7.3	8.0		
RABBITS	DIG PROT	% *	7.5	8.2		
SHEEP	DIG PROT	% *	6.9	7.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.06	2.27		
HORSES	DE MCAL/KG	*	1.71	1.89		
SHEEP	DE MCAL/KG	*	2.08	2.29		
CATTLE	ME MCAL/KG	*	1.69	1.86		
HORSES	ME MCAL/KG	*	1.41	1.55		
SHEEP	ME MCAL/KG	*	1.71	1.88		
CATTLE	NE-M MCAL/KG	*	1.00	1.10		
CATTLE	NE-GAIN MCAL/KG	*	0.31	0.34		
CATTLE	NE-LACTATION MCAL/KG	*	0.96	1.06		
CATTLE	TDN	% *	46.7	51.4		
HORSES	TDN	% *	42.7	47.0		
SHEEP	TDN	% *	47.3	52.0		
CALCIUM		%	0.63	0.69		1
PHOSPHORUS		%	0.10	0.11		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM NOTATUM, AERIAL PART, FRESH, (2)						
REF NO 2-00-464						
DRY MATTER		%	31.0	100.0	29	16
ORGANIC MATTER		%	27.4	88.6	38	3
ASH		%	3.1	10.0	38	15
CRUDE FIBER		%	9.3	30.1	14	16
ETHER EXTRACT		%	0.7	2.3	36	16
NITROGEN FREE EXTRACT		%	15.5	50.1	15	16
PROTEIN		%	2.3	7.5	38	27
CATTLE	DIG PROT	% *	1.3	4.3		
GOATS	DIG PROT	% *	1.1	3.5		
HORSES	DIG PROT	% *	1.2	3.9		
RABBITS	DIG PROT	% *	1.4	4.4		
SHEEP	DIG PROT	% *	1.2	4.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.78	2.51		
SHEEP	DE MCAL/KG	*	0.80	2.59		
CATTLE	ME MCAL/KG	*	0.64	2.05		
SHEEP	ME MCAL/KG	*	0.66	2.12		
CATTLE	NE-M MCAL/KG	*	0.38	1.21		
CATTLE	NE-GAIN MCAL/KG	*	0.17	0.54		
CATTLE	NE-LACTATION MCAL/KG	*	0.38	1.24		
CATTLE	TDN	% *	17.6	56.8		
SHEEP	TDN	% *	18.2	58.7		
CALCIUM		%	0.03	0.09		3
IRON		%	0.008	0.025		1
PHOSPHORUS		%	0.03	0.08		3
VITAMIN A EQUIV		IU/G	60.3	194.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM NOTATUM, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-09-945						
DRY MATTER		%	19.0	100.0		1
ORGANIC MATTER		%	16.5	86.7		1
ASH		%	2.5	13.3		1
CRUDE FIBER		%	4.6	24.1		1
ETHER EXTRACT		%	0.8	4.1		1
NITROGEN FREE EXTRACT		%	8.9	47.1		1
PROTEIN		%	2.2	11.5		1
CATTLE	DIG PROT	% *	1.5	7.6		
GOATS	DIG PROT	% *	1.4	7.3		
HORSES	DIG PROT	% *	1.4	7.3		
RABBITS	DIG PROT	% *	1.4	7.5		
SHEEP	DIG PROT	% *	1.5	7.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.58	3.03		
SHEEP	DE MCAL/KG	*	0.51	2.70		
CATTLE	ME MCAL/KG	*	0.47	2.48		
SHEEP	ME MCAL/KG	*	0.42	2.21		
CATTLE	NE-M MCAL/KG	*	0.29	1.51		
CATTLE	NE-GAIN MCAL/KG	*	0.18	0.94		
CATTLE	NE-LACTATION MCAL/KG	*	0.31	1.65		
CATTLE	TDN	% *	13.0	68.7		
SHEEP	TDN	% *	11.6	61.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM NOTATUM, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-09-946						
DRY MATTER		%	25.4	100.0	13	14
ORGANIC MATTER		%	22.3	87.8	10	13
ASH		%	3.1	12.2	10	13
CRUDE FIBER		%	7.1	27.9	9	14
ETHER EXTRACT		%	0.8	3.3	32	14
NITROGEN FREE EXTRACT		%	11.0	43.4	6	13
PROTEIN		%	3.4	13.3	13	14
CATTLE	DIG PROT	% *	2.3	9.2		
GOATS	DIG PROT	% *	2.3	8.9		
HORSES	DIG PROT	% *	2.2	8.8		
RABBITS	DIG PROT	% *	2.3	8.9		
SHEEP	DIG PROT	% *	2.4	9.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.67	2.62		
SHEEP	DE	MCAL/KG *	0.68	2.67		
CATTLE	ME	MCAL/KG *	0.55	2.15		
SHEEP	ME	MCAL/KG *	0.55	2.19		
CATTLE	NE-M	MCAL/KG *	0.32	1.27		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.64		
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.33		
CATTLE	TDN	% *	15.1	59.5		
SHEEP	TDN	% *	15.3	60.5		
PASPALUM NOTATUM, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-09-959						
DRY MATTER		%	27.6	100.0	11	8
ORGANIC MATTER		%	24.3	88.0	12	8
ASH		%	3.3	12.0	12	8
CRUDE FIBER		%	8.1	29.3	6	8
ETHER EXTRACT		%	0.8	3.1	30	8
NITROGEN FREE EXTRACT		%	12.2	44.1	6	8
PROTEIN		%	3.2	11.6	13	8
CATTLE	DIG PROT	% *	2.1	7.8		
GOATS	DIG PROT	% *	2.0	7.4		
HORSES	DIG PROT	% *	2.0	7.4		
RABBITS	DIG PROT	% *	2.1	7.6		
SHEEP	DIG PROT	% *	2.2	7.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.70	2.55		
SHEEP	DE	MCAL/KG *	0.72	2.62		
CATTLE	ME	MCAL/KG *	0.58	2.09		
SHEEP	ME	MCAL/KG *	0.59	2.15		
CATTLE	NE-M	MCAL/KG *	0.34	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.27		
CATTLE	TDN	% *	15.9	57.7		
SHEEP	TDN	% *	16.4	59.4		
PASPALUM NOTATUM, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-09-967						
DRY MATTER		%	27.7	100.0	18	7
ORGANIC MATTER		%	24.3	87.7	8	6
ASH		%	3.4	12.3	8	6
CRUDE FIBER		%	8.2	29.4	8	7
ETHER EXTRACT		%	0.7	2.6	16	7
NITROGEN FREE EXTRACT		%	12.5	45.0	3	6
PROTEIN		%	3.0	10.7	17	7
CATTLE	DIG PROT	% *	1.9	7.0		
GOATS	DIG PROT	% *	1.8	6.5		
HORSES	DIG PROT	% *	1.8	6.6		
RABBITS	DIG PROT	% *	1.9	6.9		
SHEEP	DIG PROT	% *	1.9	6.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.69	2.49		
SHEEP	DE	MCAL/KG *	0.72	2.58		
CATTLE	ME	MCAL/KG *	0.57	2.05		
SHEEP	ME	MCAL/KG *	0.59	2.12		
CATTLE	NE-M	MCAL/KG *	0.33	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	0.34	1.23		
CATTLE	TDN	% *	15.7	56.6		
SHEEP	TDN	% *	16.2	58.6		
PASPALUM NOTATUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-10-224						
DRY MATTER		%	30.4	100.0	22	4
ORGANIC MATTER		%	27.6	90.8	30	3
ASH		%	3.0	9.9	30	4
CRUDE FIBER		%	7.3	23.9	30	4
ETHER EXTRACT		%	0.8	2.5	35	4
NITROGEN FREE EXTRACT		%	16.3	53.7	23	4
PROTEIN		%	3.0	9.9	28	4
CATTLE	DIG PROT	% *	1.9	6.3		
GOATS	DIG PROT	% *	1.8	5.8		
HORSES	DIG PROT	% *	1.8	5.9		
RABBITS	DIG PROT	% *	1.9	6.3		
SHEEP	DIG PROT	% *	1.9	6.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.90	2.96		
SHEEP	DE	MCAL/KG *	0.85	2.79		
CATTLE	ME	MCAL/KG *	0.74	2.43		
SHEEP	ME	MCAL/KG *	0.69	2.29		
CATTLE	NE-M	MCAL/KG *	0.45	1.47		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.89		
CATTLE	NE-LACTATION	MCAL/KG *	0.49	1.60		
CATTLE	TDN	% *	20.4	67.2		
SHEEP	TDN	% *	19.2	63.3		
CALCIUM		%	0.11	0.35		8
PHOSPHORUS		%	0.07	0.24		2
PASPALUM NOTATUM, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-09-923						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.0		
ASH		%		12.0		1
CRUDE FIBER		%		31.3		1
ETHER EXTRACT		%		1.2		1
NITROGEN FREE EXTRACT		%		48.0		1
PROTEIN		%		7.4		1
CATTLE	DIG PROT	% *		4.1		
GOATS	DIG PROT	% *		3.4		
HORSES	DIG PROT	% *		3.8		
RABBITS	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		3.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.50		
SHEEP	DE	MCAL/KG *		2.46		
CATTLE	ME	MCAL/KG *		2.05		
SHEEP	ME	MCAL/KG *		2.02		
CATTLE	NE-M	MCAL/KG *		1.21		
CATTLE	NE-GAIN	MCAL/KG *		0.54		
CATTLE	NE-LACTATION	MCAL/KG *		1.24		
CATTLE	TDN	% *		56.7		
SHEEP	TDN	% *		55.8		
PASPALUM NOTATUM, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-570						
DRY MATTER		%	29.0	100.0		2
ORGANIC MATTER		%	25.1	86.6		2
ASH		%	3.9	13.5		2
CRUDE FIBER		%	8.1	28.1		2
ETHER EXTRACT		%	0.7	2.3		2
NITROGEN FREE EXTRACT		%	13.9	47.8		2
PROTEIN		%	2.4	8.4		2
CATTLE	DIG PROT	% *	1.4	5.0		
GOATS	DIG PROT	% *	1.3	4.4		
HORSES	DIG PROT	% *	1.3	4.6		
RABBITS	DIG PROT	% *	1.5	5.1		
SHEEP	DIG PROT	% *	1.4	4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.72	2.48		
SHEEP	DE	MCAL/KG *	0.74	2.55		
CATTLE	ME	MCAL/KG *	0.59	2.04		
SHEEP	ME	MCAL/KG *	0.61	2.09		
CATTLE	NE-M	MCAL/KG *	0.35	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.22		
CATTLE	TDN	% *	16.3	56.3		
SHEEP	TDN	% *	16.8	57.9		
CALCIUM		%	0.09	0.31		2
PHOSPHORUS		%	0.05	0.18		2
PASPALUM NOTATUM, BAHIAGRASS, PENSACOLA						
PASPALUM NOTATUM PENSACOLA, AERIAL PART, DEHY GRND, (1)						
REF NO 1-10-816						
DRY MATTER		%	90.7	100.0		3
ORGANIC MATTER		%	80.7	89.0		3
ASH		%	10.0	11.0		3
CRUDE FIBER		%	37.3	41.1		3
ETHER EXTRACT		%	3.2	3.5		3
NITROGEN FREE EXTRACT		%	34.6	38.1		3
PROTEIN		%	5.7	6.3		3
CATTLE	DIG PROT	% *	2.1	2.4		
GOATS	DIG PROT	% *	2.2	2.4		
HORSES	DIG PROT	% *	2.6	2.8		
RABBITS	DIG PROT	% *	3.2	3.5		
SHEEP	DIG PROT	% *	2.0	2.2		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.80	1.99		
HORSES	DE MCAL/KG *	1.77	1.96		
SHEEP	DE MCAL/KG *	1.83	2.02		
CATTLE	ME MCAL/KG *	1.48	1.63		
HORSES	ME MCAL/KG *	1.45	1.60		
SHEEP	ME MCAL/KG *	1.50	1.65		
CATTLE	NE-M MCAL/KG *	0.88	0.98		
CATTLE	NE-GAIN MCAL/KG *	0.06	0.06		
CATTLE	NE-LACTATION MCAL/KG *	0.76	0.84		
CATTLE	TDN % *	40.9	45.1		
HORSES	TDN % *	44.3	48.9		
SHEEP	TDN % *	41.5	45.8		
CALCIUM	%	0.31	0.35		3
PHOSPHORUS	%	0.14	0.16		3
VITAMIN A EQUIV	IU/G	239.2	263.8		

PASPALUM NOTATUM PENSACOLA, HAY, 5-C, (1)

REF NO 1-11-537

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	84.7	100.0		1
ORGANIC MATTER	%	76.7	90.6		1
ASH	%	8.0	9.4		1
CRUDE FIBER	%	34.5	40.7		1
ETHER EXTRACT	%	1.8	2.1		1
NITROGEN FREE EXTRACT	%	34.6	40.9		1
PROTEIN	%	5.8	6.8		1
CATTLE	DIG PROT % *	2.4	2.9		
GOATS	DIG PROT % *	2.5	2.9		
HORSES	DIG PROT % *	2.8	3.3		
RABBITS	DIG PROT % *	3.4	4.0		
SHEEP	DIG PROT % *	2.3	2.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.82	2.14		
HORSES	DE MCAL/KG *	1.44	1.70		
SHEEP	DE MCAL/KG *	1.82	2.15		
CATTLE	ME MCAL/KG *	1.49	1.76		
HORSES	ME MCAL/KG *	1.18	1.40		
SHEEP	ME MCAL/KG *	1.49	1.76		
CATTLE	NE-M MCAL/KG *	0.88	1.04		
CATTLE	NE-GAIN MCAL/KG *	0.19	0.22		
CATTLE	NE-LACTATION MCAL/KG *	0.81	0.96		
CATTLE	TDN % *	41.2	48.6		
HORSES	TDN % *	35.6	42.0		
SHEEP	TDN % *	41.3	48.7		
CALCIUM	%	0.35	0.41		1
PHOSPHORUS	%	0.27	0.32		1

PASPALUM NOTATUM PENSACOLA, AERIAL PART, FRESH, (2)

REF NO 2-11-538

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	36.8	100.0		1
ORGANIC MATTER	%	32.3	87.8		1
ASH	%	4.5	12.2		1
CRUDE FIBER	%	10.4	28.3		1
ETHER EXTRACT	%	1.0	2.6		1
NITROGEN FREE EXTRACT	%	18.1	49.1		1
PROTEIN	%	2.9	7.8		1
CATTLE	DIG PROT % *	1.7	4.5		
GOATS	DIG PROT % *	1.4	3.8		
HORSES	DIG PROT % *	1.5	4.1		
RABBITS	DIG PROT % *	1.7	4.7		
SHEEP	DIG PROT % *	1.6	4.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.93	2.54		
SHEEP	DE MCAL/KG *	0.95	2.58		
CATTLE	ME MCAL/KG *	0.77	2.08		
SHEEP	ME MCAL/KG *	0.78	2.12		
CATTLE	NE-M MCAL/KG *	0.45	1.23		
CATTLE	NE-GAIN MCAL/KG *	0.21	0.57		
CATTLE	NE-LACTATION MCAL/KG *	0.47	1.27		
CATTLE	TDN % *	21.2	57.5		
SHEEP	TDN % *	21.5	58.5		
CALCIUM	%	0.02	0.04		1
IRON	%	0.004	0.012		1
PHOSPHORUS	%	0.04	0.10		1
VITAMIN A EQUIV	IU/G	7.0	19.0		

PASPALUM NOTATUM PENSACOLA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-11-536

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.8	100.0		1
ORGANIC MATTER	%	20.2	88.8		1
ASH	%	2.6	11.4		1
CRUDE FIBER	%	8.7	38.1		1
ETHER EXTRACT	%	0.7	3.2		1
NITROGEN FREE EXTRACT	%	8.9	39.2		1
PROTEIN	%	1.8	8.1		1
CATTLE	DIG PROT % *	1.1	4.7		
GOATS	DIG PROT % *	0.9	4.1		
HORSES	DIG PROT % *	1.0	4.4		
RABBITS	DIG PROT % *	1.1	4.9		
SHEEP	DIG PROT % *	1.0	4.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.46	2.03		
SHEEP	DE MCAL/KG *	0.56	2.47		
CATTLE	ME MCAL/KG *	0.38	1.66		
SHEEP	ME MCAL/KG *	0.46	2.02		
CATTLE	NE-M MCAL/KG *	0.23	0.99		
CATTLE	NE-GAIN MCAL/KG *	0.02	0.10		
CATTLE	NE-LACTATION MCAL/KG *	0.20	0.87		
CATTLE	TDN % *	10.5	46.0		
SHEEP	TDN % *	12.8	56.0		
CALCIUM	%	0.02	0.0[illegible]		1
IRON	%	0.000	0.00[illegible]		1
PHOSPHORUS	%	0.05	0.23		1
VITAMIN A EQUIV	IU/G	3.0	13.2		

PASPALUM NUCINATUM

PASPALUM NUCINATUM NUCINATUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-571

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	37.8	100.0		1
ORGANIC MATTER	%	32.7	86.4		1
ASH	%	5.1	13.6		1
CRUDE FIBER	%	13.6	36.0		1
ETHER EXTRACT	%	0.5	1.4		1
NITROGEN FREE EXTRACT	%	13.8	36.4		1
PROTEIN	%	4.8	12.6		1
CATTLE	DIG PROT % *	3.3	8.6		
GOATS	DIG PROT % *	3.1	8.3		
HORSES	DIG PROT % *	3.1	8.2		
RABBITS	DIG PROT % *	3.2	8.4		
SHEEP	DIG PROT % *	3.3	8.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.00	2.64		
SHEEP	DE MCAL/KG *	0.92	2.43		
CATTLE	ME MCAL/KG *	0.82	2.17		
SHEEP	ME MCAL/KG *	0.75	1.99		
CATTLE	NE-M MCAL/KG *	0.49	1.28		
CATTLE	NE-GAIN MCAL/KG *	0.25	0.66		
CATTLE	NE-LACTATION MCAL/KG *	0.51	1.35		
CATTLE	TDN % *	22.7	60.0		
SHEEP	TDN % *	20.8	55.0		
CALCIUM	%	0.14	0.36		1
PHOSPHORUS	%	0.11	0.29		1

PASPALUM PANICULATUM

PASPALUM PANICULATUM PANICULATUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-572

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		2
ORGANIC MATTER	%	22.3	89.1		2
ASH	%	2.7	11.0		2
CRUDE FIBER	%	8.1	32.5		2
ETHER EXTRACT	%	0.4	1.7		2
NITROGEN FREE EXTRACT	%	11.5	46.0		2
PROTEIN	%	2.3	9.0		2
CATTLE	DIG PROT % *	1.4	5.5		
GOATS	DIG PROT % *	1.2	5.0		
HORSES	DIG PROT % *	1.3	5.2		
RABBITS	DIG PROT % *	1.4	5.6		
SHEEP	DIG PROT % *	1.3	5.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.61	2.45		
SHEEP	DE MCAL/KG *	0.63	2.50		
CATTLE	ME MCAL/KG *	0.50	2.01		
SHEEP	ME MCAL/KG *	0.51	2.05		
CATTLE	NE-M MCAL/KG *	0.30	1.18		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.50		
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.20		
CATTLE	TDN % *	13.9	55.6		
SHEEP	TDN % *	14.2	56.8		
CALCIUM	%	0.11	0.45		2
PHOSPHORUS	%	0.03	0.14		2

PASPALUM PECTINATUM

PASPALUM PECTINATUM PECTINATUM, AERIAL PART, FRESH, (2)

REF NO 2-17-574

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.2	100.0	37	7
PROTEIN	%	2.5	7.3	39	7
CATTLE	DIG PROT % *	1.4	4.1		
GOATS	DIG PROT % *	1.2	3.4		
HORSES	DIG PROT % *	1.3	3.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *	1.5	4.3		
SHEEP	DIG PROT	% *	1.3	3.8		
CALCIUM		%	0.10	0.30	60	7
MAGNESIUM		%	0.13	0.37	58	7
MANGANESE		MG/KG	88.1	258.1	40	7
PHOSPHORUS		%	0.03	0.07	97	7
POTASSIUM		%	0.41	1.20	26	7
SODIUM		%	0.07	0.21	98	7
ZINC		MG/KG	17.7	51.8	33	7

PASPALUM PECTINATUM PECTINATUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-573

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	37.3	100.0		1
PROTEIN		%	2.5	6.7		1
CATTLE	DIG PROT	% *	1.3	3.6		
GOATS	DIG PROT	% *	1.0	2.8		
HORSES	DIG PROT	% *	1.2	3.2		
RABBITS	DIG PROT	% *	1.4	3.8		
SHEEP	DIG PROT	% *	1.2	3.2		
CALCIUM		%	0.05	0.14		1
MAGNESIUM		%	0.08	0.22		1
MANGANESE		MG/KG	34.3	92.0		1
PHOSPHORUS		%	0.03	0.07		1
POTASSIUM		%	0.43	1.16		1
SODIUM		%	0.03	0.07		1
ZINC		MG/KG	16.4	44.0		1

PASPALUM PILOSUS

PASPALUM PILOSUS PILOSUS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-560

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
ORGANIC MATTER		%	22.6	90.4		1
ASH		%	2.4	9.6		1
CRUDE FIBER		%	9.2	36.6		1
ETHER EXTRACT		%	0.4	1.4		1
NITROGEN FREE EXTRACT		%	11.4	45.4		1
PROTEIN		%	1.8	7.0		1
CATTLE	DIG PROT	% *	1.0	3.8		
GOATS	DIG PROT	% *	0.8	3.1		
HORSES	DIG PROT	% *	0.9	3.5		
RABBITS	DIG PROT	% *	1.0	4.1		
SHEEP	DIG PROT	% *	0.9	3.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.58	2.33		
SHEEP	DE	MCAL/KG *	0.60	2.42		
CATTLE	ME	MCAL/KG *	0.48	1.91		
SHEEP	ME	MCAL/KG *	0.50	1.98		
CATTLE	NE-M	MCAL/KG *	0.28	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.39		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.10		
CATTLE	TDN	% *	13.2	52.8		
SHEEP	TDN	% *	13.7	54.8		
CALCIUM		%	0.13	0.50		1
PHOSPHORUS		%	0.02	0.07		1

PASPALUM PLICATULUM, PASPALUM, BROWNSEED

PASPALUM PLICATULUM BROWNSEED, HAY, S-C, (1)

REF NO 1-11-539

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.5	100.0	1	16
ORGANIC MATTER		%	79.2	86.6		
ASH		%	12.3	13.4	18	16
CRUDE FIBER		%	28.1	30.7	12	16
ETHER EXTRACT		%	0.8	0.8	36	16
NITROGEN FREE EXTRACT		%	45.9	50.2		
PROTEIN		%	4.4	4.9	24	16
CATTLE	DIG PROT	% *	1.1	1.2		
GOATS	DIG PROT	% *	1.0	1.1		
HORSES	DIG PROT	% *	1.5	1.7		
RABBITS	DIG PROT	% *	2.2	2.4		
SHEEP	DIG PROT	% *	0.9	0.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.85	2.02		
HORSES	DE	MCAL/KG *	1.27	1.39		
SHEEP	DE	MCAL/KG *	1.92	2.10		
CATTLE	ME	MCAL/KG *	1.51	1.65		
HORSES	ME	MCAL/KG *	1.04	1.14		
SHEEP	ME	MCAL/KG *	1.57	1.72		
CATTLE	NE-M	MCAL/KG *	0.90	0.99		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.09		
CATTLE	NE-LACTATION	MCAL/KG *	0.79	0.86		
CATTLE	TDN	% *	41.9	45.7		
HORSES	TDN	% *	30.5	33.3		
SHEEP	TDN	% *	43.5	47.5		
CALCIUM		%	0.53	0.58	35	15
PHOSPHORUS		%	0.16	0.18	25	15

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, (2)

REF NO 2-03-547

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	33.3	100.0	29	11
PROTEIN		%	(2.6)	(7.8)	26	13
CATTLE	DIG PROT	% *	(1.5)	(4.5)		
GOATS	DIG PROT	% *	(1.3)	(3.9)		
HORSES	DIG PROT	% *	(1.4)	(4.2)		
RABBITS	DIG PROT	% *	(1.6)	(4.7)		
SHEEP	DIG PROT	% *	1.4	4.3		
CALCIUM		%	0.17	0.50	56	13
COPPER		%	24.3	73.0		1
MAGNESIUM		%	0.17	0.52	54	13
MANGANESE		MG/KG	102.4	308.1	38	14
PHOSPHORUS		%	0.05	0.15	98	13
POTASSIUM		%	0.49	1.47	27	14
SODIUM		%	0.06	0.19	98	14
ZINC		MG/KG	21.9	65.8	52	13

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-09-678

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.0	100.0		1
ORGANIC MATTER		%	21.9	84.3		1
ASH		%	4.1	15.7		1
CRUDE FIBER		%	7.9	30.2		1
ETHER EXTRACT		%	1.0	3.7		1
NITROGEN FREE EXTRACT		%	11.1	42.9		1
PROTEIN		%	1.9	7.5		1
CATTLE	DIG PROT	% *	1.1	4.2		
GOATS	DIG PROT	% *	0.9	3.5		
HORSES	DIG PROT	% *	1.0	3.9		
RABBITS	DIG PROT	% *	1.2	4.4		
SHEEP	DIG PROT	% *	1.0	4.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.59	2.28		
SHEEP	DE	MCAL/KG *	0.64	2.45		
CATTLE	ME	MCAL/KG *	0.49	1.87		
SHEEP	ME	MCAL/KG *	0.52	2.01		
CATTLE	NE-M	MCAL/KG *	0.29	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.35		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.07		
CATTLE	TDN	% *	13.4	51.7		
SHEEP	TDN	% *	14.5	55.6		

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-09-679

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.4	100.0	17	15
ORGANIC MATTER		%	16.6	85.4	13	10
ASH		%	2.8	14.6	13	12
CRUDE FIBER		%	5.9	30.4	19	15
ETHER EXTRACT		%	0.4	2.3	52	14
NITROGEN FREE EXTRACT		%	8.1	41.6	4	10
PROTEIN		%	2.1	11.1	16	15
CATTLE	DIG PROT	% *	1.4	7.3		
GOATS	DIG PROT	% *	1.3	6.9		
HORSES	DIG PROT	% *	1.3	6.9		
RABBITS	DIG PROT	% *	1.4	7.2		
SHEEP	DIG PROT	% *	1.4	7.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.46	2.39		
SHEEP	DE	MCAL/KG *	0.49	2.50		
CATTLE	ME	MCAL/KG *	0.38	1.96		
SHEEP	ME	MCAL/KG *	0.40	2.05		
CATTLE	NE-M	MCAL/KG *	0.22	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.44		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	1.15		
CATTLE	TDN	% *	10.5	54.1		
SHEEP	TDN	% *	11.0	56.7		

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-09-693

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.5	100.0	19	10
ORGANIC MATTER		%	18.0	83.5	8	7
ASH		%	3.5	16.2	8	8
CRUDE FIBER		%	6.1	28.6	4	10
ETHER EXTRACT		%	0.5	2.1	44	10
NITROGEN FREE EXTRACT		%	9.2	42.8	13	7
PROTEIN		%	2.2	10.3	30	10
CATTLE	DIG PROT	% *	1.4	6.6		
GOATS	DIG PROT	% *	1.3	6.1		
HORSES	DIG PROT	% *	1.3	6.2		
RABBITS	DIG PROT	% *	1.4	6.6		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *	1.4	8.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.51	2.38		
SHEEP	DE MCAL/KG *	0.53	2.48		
CATTLE	ME MCAL/KG *	0.42	1.95		
SHEEP	ME MCAL/KG *	0.44	2.03		
CATTLE	NE-M MCAL/KG *	0.25	1.15		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.44		
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.14		
CATTLE	TDN % *	11.6	54.0		
SHEEP	TDN % *	12.1	56.2		

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-001

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.3	100.0	77	11
ORGANIC MATTER	%	24.1	85.1	16	6
ASH	%	4.2	15.0	16	7
CRUDE FIBER	%	8.6	30.3	11	10
ETHER EXTRACT	%	0.9	3.1	69	11
NITROGEN FREE EXTRACT	%	12.0	42.6	14	6
PROTEIN	%	2.5	9.0	17	10
CATTLE	DIG PROT % *	1.6	5.5		
GOATS	DIG PROT % *	1.4	4.9		
HORSES	DIG PROT % *	1.5	5.2		
RABBITS	DIG PROT % *	1.6	5.6		
SHEEP	DIG PROT % *	1.5	5.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.65	2.29		
SHEEP	DE MCAL/KG *	0.71	2.49		
CATTLE	ME MCAL/KG *	0.53	1.88		
SHEEP	ME MCAL/KG *	0.56	2.04		
CATTLE	NE-M MCAL/KG *	0.31	1.11		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.36		
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.07		
CATTLE	TDN % *	14.7	51.9		
SHEEP	TDN % *	16.0	56.6		

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)

REF NO 2-10-008

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.0	100.0		1
ORGANIC MATTER	%	20.4	88.6		1
ASH	%	2.6	11.4		1
CRUDE FIBER	%	8.3	36.1		1
ETHER EXTRACT	%	0.6	2.8		1
NITROGEN FREE EXTRACT	%	10.3	44.8		1
PROTEIN	%	1.2	5.0		1
CATTLE	DIG PROT % *	0.5	2.1		
GOATS	DIG PROT % *	0.3	1.2		
HORSES	DIG PROT % *	0.4	1.8		
RABBITS	DIG PROT % *	0.6	2.5		
SHEEP	DIG PROT % *	0.4	1.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.47	2.05		
SHEEP	DE MCAL/KG *	0.55	2.41		
CATTLE	ME MCAL/KG *	0.39	1.68		
SHEEP	ME MCAL/KG *	0.45	1.98		
CATTLE	NE-M MCAL/KG *	0.23	1.00		
CATTLE	NE-GAIN MCAL/KG *	0.03	0.13		
CATTLE	NE-LACTATION MCAL/KG *	0.20	0.89		
CATTLE	TDN % *	10.7	46.6		
SHEEP	TDN % *	12.6	54.7		

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-03-544

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.8	100.0		1
ORGANIC MATTER	%	18.6	85.2		
ASH	%	3.2	14.8		1
CRUDE FIBER	%	6.4	29.6		1
ETHER EXTRACT	%	0.2	1.0		1
NITROGEN FREE EXTRACT	%	10.5	48.0		1
PROTEIN	%	1.5	6.7		1
CATTLE	DIG PROT % *	0.8	3.6		
GOATS	DIG PROT % *	0.6	2.8		
HORSES	DIG PROT % *	0.7	3.2		
RABBITS	DIG PROT % *	0.8	3.8		
SHEEP	DIG PROT % *	0.7	3.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.56	2.56		
SHEEP	DE MCAL/KG *	0.52	2.41		
CATTLE	ME MCAL/KG *	0.46	2.10		
SHEEP	ME MCAL/KG *	0.43	1.97		
CATTLE	NE-M MCAL/KG *	0.27	1.24		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.59		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.29		
CATTLE	TDN % *	12.7	58.2		
SHEEP	TDN % *	11.9	54.6		

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-221

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.7	100.0		3
ORGANIC MATTER	%	26.4	89.0		2
ASH	%	3.4	11.5		3
CRUDE FIBER	%	8.9	30.1		3
ETHER EXTRACT	%	0.3	1.0		3
NITROGEN FREE EXTRACT	%	13.5	45.6		3
PROTEIN	%	3.5	11.9		3
CATTLE	DIG PROT % *	2.4	8.0		
GOATS	DIG PROT % *	2.3	7.6		
HORSES	DIG PROT % *	2.3	7.6		
RABBITS	DIG PROT % *	2.3	7.8		
SHEEP	DIG PROT % *	2.4	8.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.80	2.68		
SHEEP	DE MCAL/KG *	0.75	2.53		
CATTLE	ME MCAL/KG *	0.65	2.20		
SHEEP	ME MCAL/KG *	0.62	2.08		
CATTLE	NE-M MCAL/KG *	0.39	1.30		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.69		
CATTLE	NE-LACTATION MCAL/KG *	0.41	1.38		
CATTLE	TDN % *	18.0	60.8		
SHEEP	TDN % *	17.0	57.5		
CALCIUM	%	0.22	0.73		3
PHOSPHORUS	%	0.06	0.21		3

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-220

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.9	100.0	29	7
ORGANIC MATTER	%	20.2	88.3	23	6
ASH	%	2.8	11.6	23	7
CRUDE FIBER	%	8.0	34.9	7	7
ETHER EXTRACT	%	0.3	1.3	41	7
NITROGEN FREE EXTRACT	%	10.5	45.7	8	7
PROTEIN	%	1.5	6.5	41	7
CATTLE	DIG PROT % *	0.8	3.4		
GOATS	DIG PROT % *	0.6	2.6		
HORSES	DIG PROT % *	0.7	3.1		
RABBITS	DIG PROT % *	0.8	3.7		
SHEEP	DIG PROT % *	0.7	3.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.55	2.39		
SHEEP	DE MCAL/KG *	0.55	2.39		
CATTLE	ME MCAL/KG *	0.45	1.96		
SHEEP	ME MCAL/KG *	0.45	1.96		
CATTLE	NE-M MCAL/KG *	0.26	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.45		
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.15		
CATTLE	TDN % *	12.4	54.3		
SHEEP	TDN % *	12.4	54.1		
CALCIUM	%	0.10	0.42	45	7
PHOSPHORUS	%	0.04	0.16	52	7

PASPALUM PLICATULUM BROWNSEED, AERIAL PART, FRESH, POST RIPE, (2)

REF NO 2-17-575

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	22.4	89.6		1
ASH	%	2.6	10.4		1
CRUDE FIBER	%	8.5	33.9		1
ETHER EXTRACT	%	0.3	1.0		1
NITROGEN FREE EXTRACT	%	12.8	51.0		1
PROTEIN	%	0.9	3.7		1
CATTLE	DIG PROT % *	0.3	1.0		
GOATS	DIG PROT % *				
HORSES	DIG PROT % *	0.2	0.7		
RABBITS	DIG PROT % *	0.4	1.5		
SHEEP	DIG PROT % *	0.1	0.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.59	2.36		
SHEEP	DE MCAL/KG *	0.60	2.38		
CATTLE	ME MCAL/KG *	0.48	1.93		
SHEEP	ME MCAL/KG *	0.49	1.95		
CATTLE	NE-M MCAL/KG *	0.29	1.14		
CATTLE	NE-GAIN MCAL/KG *	0.10	0.42		
CATTLE	NE-LACTATION MCAL/KG *	0.28	1.13		
CATTLE	TDN % *	13.4	53.5		
SHEEP	TDN % *	13.5	54.0		
CALCIUM	%	0.11	0.44		1
PHOSPHORUS	%	0.03	0.10		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
PASPALUM PLICATULUM BROWNSEED, AERIAL PART, ENSILED, (3)					
REF NO 3-09-406					
DRY MATTER		%	25.8	100.0	1
ORGANIC MATTER		%	23.2	89.7	
ASH		%	2.6	10.3	1
PROTEIN		%	1.4	5.3	1
CATTLE	DIG PROT	% *	0.3	1.0	
GOATS	DIG PROT	% *	0.3	1.0	
HORSES	DIG PROT	% *	0.3	1.0	
SHEEP	DIG PROT	% *	0.3	1.0	
PASPALUM PROSTRATUM					
PASPALUM PROSTRATUM PROSTRATUM, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-576					
DRY MATTER		%	25.0	100.0	1
ORGANIC MATTER		%	21.8	87.3	1
ASH		%	3.2	12.7	1
CRUDE FIBER		%	8.3	33.3	1
ETHER EXTRACT		%	0.5	2.0	1
NITROGEN FREE EXTRACT		%	11.2	44.6	1
PROTEIN		%	1.9	7.4	1
CATTLE	DIG PROT	% *	1.0	4.2	
GOATS	DIG PROT	% *	0.9	3.5	
HORSES	DIG PROT	% *	1.0	3.8	
RABBITS	DIG PROT	% *	1.1	4.4	
SHEEP	DIG PROT	% *	1.0	3.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.57	2.30	
SHEEP	DE	MCAL/KG *	0.61	2.44	
CATTLE	ME	MCAL/KG *	0.47	1.89	
SHEEP	ME	MCAL/KG *	0.50	2.00	
CATTLE	NE-M	MCAL/KG *	0.28	1.11	
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.37	
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.08	
CATTLE	TDN	% *	13.0	52.1	
SHEEP	TDN	% *	13.8	55.4	
CALCIUM		%	0.09	0.37	1
PHOSPHORUS		%	0.08	0.31	1
PASPALUM REDUNCUM					
PASPALUM REDUNCUM REDUNCUM, AERIAL PART, FRESH, (2)					
REF NO 2-11-540					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		79.5	
ASH		%		20.5	3
CRUDE FIBER		%		23.6	3
ETHER EXTRACT		%		1.7	3
NITROGEN FREE EXTRACT		%		47.0	3
PROTEIN		%		7.2	3
CATTLE	DIG PROT	% *		4.0	
GOATS	DIG PROT	% *		3.3	
HORSES	DIG PROT	% *		3.7	
RABBITS	DIG PROT	% *		4.3	
SHEEP	DIG PROT	% *		3.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.40	
SHEEP	DE	MCAL/KG *		2.43	
CATTLE	ME	MCAL/KG *		1.96	
SHEEP	ME	MCAL/KG *		1.99	
CATTLE	NE-M	MCAL/KG *		1.16	
CATTLE	NE-GAIN	MCAL/KG *		0.45	
CATTLE	NE-LACTATION	MCAL/KG *		1.16	
CATTLE	TDN	% *		54.3	
SHEEP	TDN	% *		55.0	
PASPALUM ROJASIL					
PASPALUM ROJASIL ROJASIL, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-678					
DRY MATTER		%	17.9	100.0	1
ORGANIC MATTER		%	15.9	88.7	
ASH		%	2.0	11.3	1
CRUDE FIBER		%	5.3	29.4	1
ETHER EXTRACT		%	0.3	1.6	1
NITROGEN FREE EXTRACT		%	9.5	53.0	1
PROTEIN		%	0.8	4.7	1
CATTLE	DIG PROT	% *	0.3	1.9	
GOATS	DIG PROT	% *	0.2	0.9	
HORSES	DIG PROT	% *	0.3	1.5	
RABBITS	DIG PROT	% *	0.4	2.3	
SHEEP	DIG PROT	% *	0.2	1.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.44	2.45	
SHEEP	DE	MCAL/KG *	0.45	2.52	
CATTLE	ME	MCAL/KG *	0.36	2.01	
SHEEP	ME	MCAL/KG *	0.37	2.07	
CATTLE	NE-M	MCAL/KG *	0.21	1.19	
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.50	
CATTLE	NE-LACTATION	MCAL/KG *	0.21	1.20	
CATTLE	TDN	% *	10.0	55.6	
SHEEP	TDN	% *	10.2	57.2	
PASPALUM SACCHAROIDES					
PASPALUM SACCHAROIDES SACCHAROIDES, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-17-577					
DRY MATTER		%	37.9	100.0	1
ORGANIC MATTER		%	35.7	94.1	1
ASH		%	2.2	5.9	1
CRUDE FIBER		%	15.2	40.2	1
ETHER EXTRACT		%	0.4	1.1	1
NITROGEN FREE EXTRACT		%	18.6	49.0	1
PROTEIN		%	1.4	3.8	1
CATTLE	DIG PROT	% *	0.4	1.1	
GOATS	DIG PROT	% *	0.0	0.1	
HORSES	DIG PROT	% *	0.3	0.8	
RABBITS	DIG PROT	% *	0.6	1.6	
SHEEP	DIG PROT	% *	0.2	0.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.78	2.06	
SHEEP	DE	MCAL/KG *	0.89	2.35	
CATTLE	ME	MCAL/KG *	0.64	1.69	
SHEEP	ME	MCAL/KG *	0.73	1.93	
CATTLE	NE-M	MCAL/KG *	0.38	1.01	
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.14	
CATTLE	NE-LACTATION	MCAL/KG *	0.34	0.89	
CATTLE	TDN	% *	17.7	46.7	
SHEEP	TDN	% *	20.2	53.3	
CALCIUM		%	0.08	0.20	1
PHOSPHORUS		%	0.08	0.21	1
PASPALUM SACCHAROIDES SACCHAROIDES, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-17-578					
DRY MATTER		%	26.9	100.0	2
ORGANIC MATTER		%	24.5	90.9	2
ASH		%	2.4	9.1	2
CRUDE FIBER		%	11.1	41.4	2
ETHER EXTRACT		%	0.3	1.3	2
NITROGEN FREE EXTRACT		%	11.6	43.1	2
PROTEIN		%	1.4	5.2	2
CATTLE	DIG PROT	% *	0.6	2.3	
GOATS	DIG PROT	% *	0.4	1.4	
HORSES	DIG PROT	% *	0.5	1.9	
RABBITS	DIG PROT	% *	0.7	2.7	
SHEEP	DIG PROT	% *	0.5	1.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.59	2.20	
SHEEP	DE	MCAL/KG *	0.62	2.32	
CATTLE	ME	MCAL/KG *	0.48	1.80	
SHEEP	ME	MCAL/KG *	0.51	1.90	
CATTLE	NE-M	MCAL/KG *	0.29	1.07	
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.27	
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.00	
CATTLE	TDN	% *	13.4	49.9	
SHEEP	TDN	% *	14.1	52.6	
CALCIUM		%	0.08	0.31	2
PHOSPHORUS		%	0.03	0.11	2
PASPALUM SPP, PASPALUM					
PASPALUM SPP, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)					
REF NO 2-03-540					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		85.4	
ASH		%		14.6	1
CRUDE FIBER		%		33.2	1
ETHER EXTRACT		%		3.2	1
NITROGEN FREE EXTRACT		%		40.8	1
PROTEIN		%		8.4	1
CATTLE	DIG PROT	% *		5.0	
GOATS	DIG PROT	% *		4.4	
HORSES	DIG PROT	% *		4.7	
RABBITS	DIG PROT	% *		5.2	
SHEEP	DIG PROT	% *		4.8	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.15		
SHEEP	DE MCAL/KG *		2.46		
CATTLE	ME MCAL/KG *		1.76		
SHEEP	ME MCAL/KG *		2.01		
CATTLE	NE-M MCAL/KG *		1.04		
CATTLE	NE-GAIN MCAL/KG *		0.22		
CATTLE	NE-LACTATION MCAL/KG *		0.96		
CATTLE	TDN % *		48.7		
SHEEP	TDN % *		55.7		
CALCIUM	%		0.29		1
COBALT	MG/KG		0.040		1
PHOSPHORUS	%		0.26		1

PASPALUM SPP, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-581

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.3	100.0	17	8
ORGANIC MATTER	%	24.0	84.7	21	8
ASH	%	4.3	15.3	21	8
CRUDE FIBER	%	8.6	30.5	6	8
ETHER EXTRACT	%	0.3	1.1	19	8
NITROGEN FREE EXTRACT	%	12.5	44.1	6	8
PROTEIN	%	2.5	8.9	31	8
CATTLE	LIG PROT % *	1.5	5.5		
GOATS	DIG PROT % *	1.4	4.9		
HORSES	DIG PROT % *	1.4	5.1		
RABBITS	DIG PROT % *	1.6	5.6		
SHEEP	DIG PROT % *	1.5	5.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.73	2.57		
SHEEP	DE MCAL/KG *	0.68	2.40		
CATTLE	ME MCAL/KG *	0.60	2.11		
SHEEP	ME MCAL/KG *	0.56	1.96		
CATTLE	NE-M MCAL/KG *	0.35	1.25		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.60		
CATTLE	NE-LACTATION MCAL/KG *	0.37	1.29		
CATTLE	TDN % *	16.5	58.4		
SHEEP	TDN % *	15.4	54.3		
CALCIUM	%	0.15	0.53	20	8
PHOSPHORUS	%	0.08	0.29	32	8

PASPALUM SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-579

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.2	100.0		1
ORGANIC MATTER	%	17.0	88.7		1
ASH	%	2.2	11.4		2
CRUDE FIBER	%	6.0	31.3		2
ETHER EXTRACT	%	0.3	1.6		2
NITROGEN FREE EXTRACT	%	8.2	42.7		2
PROTEIN	%	2.5	13.1		2
CATTLE	DIG PROT % *	1.7	9.0		
GOATS	DIG PROT % *	1.7	8.8		
HORSES	DIG PROT % *	1.7	8.7		
RABBITS	DIG PROT % *	1.7	8.8		
SHEEP	DIG PROT % *	1.8	9.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.50	2.60		
SHEEP	DE MCAL/KG *	0.49	2.56		
CATTLE	ME MCAL/KG *	0.41	2.13		
SHEEP	ME MCAL/KG *	0.40	2.10		
CATTLE	NE-M MCAL/KG *	0.24	1.26		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.62		
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.31		
CATTLE	TDN % *	11.3	58.9		
SHEEP	TDN % *	11.1	58.0		
CALCIUM	%	0.12	0.61		1
PHOSPHORUS	%	0.07	0.38		1

PASPALUM SPP, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-580

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	41.4	100.0		1
ORGANIC MATTER	%	37.4	90.4		1
ASH	%	4.0	9.6		1
CRUDE FIBER	%	15.6	37.6		1
ETHER EXTRACT	%	0.3	0.8		1
NITROGEN FREE EXTRACT	%	18.8	45.4		1
PROTEIN	%	2.7	6.6		1
CATTLE	DIG PROT % *	1.4	3.5		
GOATS	DIG PROT % *	1.1	2.7		
HORSES	DIG PROT % *	1.3	3.1		
RABBITS	DIG PROT % *	1.6	3.8		
SHEEP	DIG PROT % *	1.3	3.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.03	2.49		
SHEEP	DE MCAL/KG *	0.97	2.35		
CATTLE	ME MCAL/KG *	0.84	2.04		
SHEEP	ME MCAL/KG *	0.80	1.93		
CATTLE	NE-M MCAL/KG *	0.50	1.20		
CATTLE	NE-GAIN MCAL/KG *	0.22	0.53		
CATTLE	NE-LACTATION MCAL/KG *	0.51	1.23		
CATTLE	TDN % *	23.3	56.4		
SHEEP	TDN % *	22.0	53.3		
CALCIUM	%	0.12	0.29		1
PHOSPHORUS	%	0.07	0.17		1

PASPALUM SPP, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-03-542

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.9	100.0		1
ORGANIC MATTER	%	21.7	80.6		1
ASH	%	4.1	15.3		2
CRUDE FIBER	%	7.8	29.2		2
ETHER EXTRACT	%	0.3	1.3		2
NITROGEN FREE EXTRACT	%	12.7	47.2		2
PROTEIN	%	1.9	7.1		2
CATTLE	DIG PROT % *	1.0	3.9		
GOATS	DIG PROT % *	0.8	3.1		
HORSES	DIG PROT % *	0.9	3.5		
RABBITS	DIG PROT % *	1.1	4.1		
SHEEP	DIG PROT % *	1.0	3.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.67	2.50		
SHEEP	DE MCAL/KG *	0.65	2.42		
CATTLE	ME MCAL/KG *	0.55	2.05		
SHEEP	ME MCAL/KG *	0.53	1.99		
CATTLE	NE-M MCAL/KG *	0.32	1.21		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.54		
CATTLE	NE-LACTATION MCAL/KG *	0.33	1.23		
CATTLE	TDN % *	15.2	56.6		
SHEEP	TDN % *	14.8	55.0		
CALCIUM	%	0.10	0.39		2
PHOSPHORUS	%	0.05	0.17		2

PASPALUM TRIANAE

PASPALUM TRIANAE TRIANAE, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-582

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.0	100.0		1
ORGANIC MATTER	%	21.7	86.6		1
ASH	%	3.4	13.4		1
CRUDE FIBER	%	7.7	30.8		1
ETHER EXTRACT	%	0.4	1.6		1
NITROGEN FREE EXTRACT	%	11.5	45.8		1
PROTEIN	%	2.1	8.4		1
CATTLE	DIG PROT % *	1.3	5.0		
GOATS	DIG PROT % *	1.1	4.4		
HORSES	DIG PROT % *	1.2	4.7		
RABBITS	DIG PROT % *	1.3	5.2		
SHEEP	DIG PROT % *	1.2	4.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.61	2.45		
SHEEP	DE MCAL/KG *	0.62	2.47		
CATTLE	ME MCAL/KG *	0.50	2.01		
SHEEP	ME MCAL/KG *	0.51	2.02		
CATTLE	NE-M MCAL/KG *	0.30	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.50		
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.20		
CATTLE	TDN % *	13.9	55.7		
SHEEP	TDN % *	14.0	55.9		
CALCIUM	%	0.08	0.32		1
PHOSPHORUS	%	0.05	0.21		1

PASPALUM UNISPICATUM, PASPALUM, ONESPIKE

PASPALUM UNISPICATUM ONESPIKE, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-583

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.3	100.0		1
ORGANIC MATTER	%	16.3	84.6		1
ASH	%	3.0	15.4		1
CRUDE FIBER	%	7.1	36.6		1
ETHER EXTRACT	%	0.2	1.0		1
NITROGEN FREE EXTRACT	%	7.4	38.2		1
PROTEIN	%	1.7	8.8		1
CATTLE	DIG PROT % *	1.0	5.4		
GOATS	DIG PROT % *	0.9	4.8		
HORSES	DIG PROT % *	1.0	5.0		
RABBITS	DIG PROT % *	1.1	5.5		
SHEEP	DIG PROT % *	1.0	5.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.52	2.68		
SHEEP	DE MCAL/KG *	0.44	2.29		
CATTLE	ME MCAL/KG *	0.42	2.20		
SHEEP	ME MCAL/KG *	0.36	1.88		
CATTLE	NE-M MCAL/KG *	0.25	1.30		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-GAIN	MCAL/KG *	0.13	0.69		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.38		
CATTLE	TDN % *	11.7	60.8		
SHEEP	TDN % *	10.0	51.9		
CALCIUM	%	0.10	0.53		1
PHOSPHORUS	%	0.05	0.26		1

PASPALUM URVILLEI, VASEYGRASS

PASPALUM URVILLEI, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-227

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.7	100.0		1
ORGANIC MATTER	%	29.1	91.7		
ASH	%	2.6	8.3		1
CRUDE FIBER	%	9.0	28.3		1
ETHER EXTRACT	%	0.8	2.4		1
NITROGEN FREE EXTRACT	%	17.4	55.0		1
PROTEIN	%	1.9	6.0		1
CATTLE DIG PROT	% *	0.9	3.0		
GOATS DIG PROT	% *	0.7	2.2		
HORSES DIG PROT	% *	0.8	2.6		
RABBITS DIG PROT	% *	1.0	3.3		
SHEEP DIG PROT	% *	0.8	2.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.85	2.69		
SHEEP DE	MCAL/KG *	0.85	2.67		
CATTLE ME	MCAL/KG *	0.70	2.21		
SHEEP ME	MCAL/KG *	0.69	2.19		
CATTLE NE-M	MCAL/KG *	0.42	1.31		
CATTLE NE-GAIN	MCAL/KG *	0.22	0.70		
CATTLE NE-LACTATION	MCAL/KG *	0.44	1.39		
CATTLE TDN	% *	19.4	61.1		
SHEEP TDN	% *	19.2	60.5		

PASPALUM URVILLEI, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-05-072

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.1	100.0		1
ORGANIC MATTER	%	19.4	91.9		1
ASH	%	1.7	8.1		1
CRUDE FIBER	%	6.0	28.2		1
ETHER EXTRACT	%	0.5	2.4		1
NITROGEN FREE EXTRACT	%	11.7	55.6		1
PROTEIN	%	1.2	5.7		1
CATTLE DIG PROT	% *	0.6	2.7		
GOATS DIG PROT	% *	0.4	1.9		
HORSES DIG PROT	% *	0.5	2.4		
RABBITS DIG PROT	% *	0.6	3.1		
SHEEP DIG PROT	% *	0.5	2.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.57	2.71		
SHEEP DE	MCAL/KG *	0.56	2.67		
CATTLE ME	MCAL/KG *	0.47	2.22		
SHEEP ME	MCAL/KG *	0.46	2.19		
CATTLE NE-M	MCAL/KG *	0.28	1.32		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.71		
CATTLE NE-LACTATION	MCAL/KG *	0.30	1.40		
CATTLE TDN	% *	13.0	61.4		
SHEEP TDN	% *	12.8	60.6		

PASPALUM VIRGATUM, TALQUEZAL

PASPALUM VIRGATUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-566

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.7	100.0	30	14
ORGANIC MATTER	%	27.6	90.1	13	14
ASH	%	3.0	9.9	13	14
CRUDE FIBER	%	9.8	32.1	8	14
ETHER EXTRACT	%	0.4	1.2	32	14
NITROGEN FREE EXTRACT	%	14.2	46.4	8	14
PROTEIN	%	3.2	10.4	38	14
CATTLE DIG PROT	% *	2.1	6.7		
GOATS DIG PROT	% *	1.9	6.3		
HORSES DIG PROT	% *	2.0	6.4		
RABBITS DIG PROT	% *	2.1	6.7		
SHEEP DIG PROT	% *	2.1	6.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.79	2.57		
SHEEP DE	MCAL/KG *	0.78	2.53		
CATTLE ME	MCAL/KG *	0.65	2.11		
SHEEP ME	MCAL/KG *	0.64	2.08		
CATTLE NE-M	MCAL/KG *	0.38	1.25		
CATTLE NE-GAIN	MCAL/KG *	0.18	0.60		
CATTLE NE-LACTATION	MCAL/KG *	0.40	1.29		
CATTLE TDN	% *	17.9	58.4		
SHEEP TDN	% *	17.6	57.4		
CALCIUM	%	0.07	0.22	15	14
PHOSPHORUS	%	0.10	0.33	29	14

PASPALUM VIRGATUM, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-564

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.4	100.0	9	12
ORGANIC MATTER	%	24.8	90.4	12	12
ASH	%	2.6	9.6	12	13
CRUDE FIBER	%	9.1	33.0	11	13
ETHER EXTRACT	%	0.4	1.4	37	13
NITROGEN FREE EXTRACT	%	10.8	39.3	8	13
PROTEIN	%	4.6	16.7	98	13
CATTLE DIG PROT	% *	3.3	12.1		
GOATS DIG PROT	% *	3.3	12.1		
HORSES DIG PROT	% *	3.2	11.7		
RABBITS DIG PROT	% *	3.2	11.5		
SHEEP DIG PROT	% *	3.4	12.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.75	2.75		
SHEEP DE	MCAL/KG *	0.71	2.61		
CATTLE ME	MCAL/KG *	0.62	2.26		
SHEEP ME	MCAL/KG *	0.59	2.14		
CATTLE NE-M	MCAL/KG *	0.37	1.34		
CATTLE NE-GAIN	MCAL/KG *	0.20	0.74		
CATTLE NE-LACTATION	MCAL/KG *	0.39	1.43		
CATTLE TDN	% *	17.1	62.4		
SHEEP TDN	% *	16.2	59.1		
CALCIUM	%	0.07	0.24	30	12
PHOSPHORUS	%	0.08	0.30	43	12

PASPALUM VIRGATUM, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-567

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.1	100.0	15	10
ORGANIC MATTER	%	26.4	90.8	15	10
ASH	%	2.7	9.2	15	10
CRUDE FIBER	%	9.6	33.0	10	10
ETHER EXTRACT	%	0.3	1.0	31	10
NITROGEN FREE EXTRACT	%	14.2	48.8	7	10
PROTEIN	%	2.3	8.0	38	10
CATTLE DIG PROT	% *	1.4	4.7		
GOATS DIG PROT	% *	1.2	4.0		
HORSES DIG PROT	% *	1.3	4.3		
RABBITS DIG PROT	% *	1.4	4.9		
SHEEP DIG PROT	% *	1.3	4.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.73	2.51		
SHEEP DE	MCAL/KG *	0.73	2.49		
CATTLE ME	MCAL/KG *	0.60	2.06		
SHEEP ME	MCAL/KG *	0.59	2.04		
CATTLE NE-M	MCAL/KG *	0.35	1.21		
CATTLE NE-GAIN	MCAL/KG *	0.16	0.55		
CATTLE NE-LACTATION	MCAL/KG *	0.36	1.24		
CATTLE TDN	% *	16.6	56.9		
SHEEP TDN	% *	16.4	56.5		
CALCIUM	%	0.06	0.21	17	10
PHOSPHORUS	%	0.09	0.30	15	10

PASPALUM VIRGATUM, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-17-565

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.0	100.0		2
ORGANIC MATTER	%	26.4	91.0		2
ASH	%	2.6	9.0		2
CRUDE FIBER	%	10.3	35.6		2
ETHER EXTRACT	%	0.3	1.2		2
NITROGEN FREE EXTRACT	%	13.5	46.7		2
PROTEIN	%	2.2	7.6		2
CATTLE DIG PROT	% *	1.2	4.3		
GOATS DIG PROT	% *	1.0	3.6		
HORSES DIG PROT	% *	1.1	3.9		
RABBITS DIG PROT	% *	1.3	4.5		
SHEEP DIG PROT	% *	1.2	4.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.70	2.41		
SHEEP DE	MCAL/KG *	0.71	2.44		
CATTLE ME	MCAL/KG *	0.57	1.98		
SHEEP ME	MCAL/KG *	0.58	2.00		
CATTLE NE-M	MCAL/KG *	0.34	1.16		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.46		
CATTLE NE-LACTATION	MCAL/KG *	0.34	1.17		
CATTLE TDN	% *	15.9	54.7		
SHEEP TDN	% *	16.1	55.4		
CALCIUM	%	0.06	0.19		2
PHOSPHORUS	%	0.09	0.30		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASPALUM VIRGATUM, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-17-568						
DRY MATTER		%	33.9	100.0		3
ORGANIC MATTER		%	30.6	90.5		3
ASH		%	3.2	9.5		3
CRUDE FIBER		%	11.3	33.3		3
ETHER EXTRACT		%	0.4	1.1		3
NITROGEN FREE EXTRACT		%	15.4	45.5		3
PROTEIN		%	3.6	10.6		3
CATTLE	DIG PROT	% *	2.3	6.9		
GOATS	DIG PROT	% *	2.2	6.5		
HORSES	DIG PROT	% *	2.2	6.6		
RABBITS	DIG PROT	% *	2.3	6.9		
SHEEP	DIG PROT	% *	2.3	6.9		
ENERGY	DE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.88	2.60		
SHEEP	DE MCAL/KG	*	0.85	2.51		
CATTLE	ME MCAL/KG	*	0.72	2.13		
SHEEP	ME MCAL/KG	*	0.70	2.06		
CATTLE	NE-M MCAL/KG	*	0.43	1.26		
CATTLE	NE-GAIN MCAL/KG	*	0.21	0.62		
CATTLE	NE-LACTATION MCAL/KG	*	0.44	1.31		
CATTLE	TDN	% *	19.9	58.9		
SHEEP	TDN	% *	19.3	56.9		
CALCIUM		%	0.06	0.18		3
PHOSPHORUS		%	0.10	0.29		3

PASSIFLORA LIGULARIS, GRANADILLA, SWEET

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASSIFLORA LIGULARIS SWEET, FRUIT, FRESH, (4)						
REF NO 4-13-474						
DRY MATTER		%	26.3	100.0		1
ORGANIC MATTER		%	25.3	96.2		
ASH		%	1.0	3.8		1
CRUDE FIBER		%	4.0	15.2		1
ETHER EXTRACT		%	0.2	0.8		1
NITROGEN FREE EXTRACT		%	18.9	71.9		
PROTEIN		%	2.2	8.4		1
CATTLE	DIG PROT	% *	1.0	3.7		
GOATS	DIG PROT	% *	1.3	4.9		
HORSES	DIG PROT	% *	1.3	4.9		
SHEEP	DIG PROT	% *	1.3	4.9		
ENERGY	DE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.80	3.03		
SHEEP	DE MCAL/KG	*	0.92	3.48		
SWINE	DE KCAL/KG	*	877.	3334.		
CATTLE	ME MCAL/KG	*	0.65	2.48		
SHEEP	ME MCAL/KG	*	0.75	2.86		
SWINE	ME KCAL/KG	*	827.	3144.		
CATTLE	NE-M MCAL/KG	*	0.40	1.51		
CATTLE	NE-GAIN MCAL/KG	*	0.25	0.93		
CATTLE	NE-LACTATION MCAL/KG	*	0.43	1.65		
CATTLE	TDN	% *	18.0	68.6		
SHEEP	TDN	% *	20.8	79.0		
SWINE	TDN	% *	19.9	75.6		
CALCIUM		%	0.01	0.04		1
IRON		%	0.002	0.006		1
PHOSPHORUS		%	0.07	0.27		1
ASCORBIC ACID		MG/KG	72.5	275.7		1
NIACIN		MG/KG	19.5	74.1		1
RIBOFLAVIN		MG/KG	1.0	3.8		1
VITAMIN A EQUIV		IU/G	1.3	5.1		

PASSIFLORA MOLLISSIMA, PASSIONFLOWER, SOFTLEAF

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PASSIFLORA MOLLISSIMA SOFTLEAF, FRUIT, FRESH, (4)						
REF NO 4-13-473						
DRY MATTER		%	21.3	100.0		1
ORGANIC MATTER		%	20.6	96.7		
ASH		%	0.7	3.3		1
CRUDE FIBER		%	6.5	30.5		1
ETHER EXTRACT		%	0.9	4.2		1
NITROGEN FREE EXTRACT		%	11.8	55.4		
PROTEIN		%	1.4	6.6		1
CATTLE	DIG PROT	% *	0.4	2.1		
GOATS	DIG PROT	% *	0.7	3.3		
HORSES	DIG PROT	% *	0.7	3.3		
SHEEP	DIG PROT	% *	0.7	3.3		
ENERGY	DE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.60	2.79		
SHEEP	DE MCAL/KG	*	0.62	2.92		
SWINE	DE KCAL/KG	*	347.	1627.		
CATTLE	ME MCAL/KG	*	0.49	2.29		
SHEEP	ME MCAL/KG	*	0.51	2.39		
SWINE	ME KCAL/KG	*	326.	1541.		
CATTLE	NE-M MCAL/KG	*	0.29	1.37		
CATTLE	NE-GAIN MCAL/KG	*	0.16	0.77		
CATTLE	NE-LACTATION MCAL/KG	*	0.31	1.47		
CATTLE	TDN	% *	13.5	63.4		
SHEEP	TDN	% *	14.1	66.2		
SWINE	TDN	% *	7.9	36.9		
CALCIUM		%	0.01	0.05		1
IRON		%	0.001	0.005		1
PHOSPHORUS		%	0.04	0.19		1
ASCORBIC ACID		MG/KG	490.0	2300.5		1
NIACIN		MG/KG	4.0	18.8		1
RIBOFLAVIN		MG/KG	0.6	2.8		1
THIAMINE		MG/KG	0.2	0.9		1
VITAMIN A EQUIV		IU/G	48.2	226.2		

PAWPAW
=SEE CARICA PAPAYA, FRUIT, DEHY, (4)

PAWPAW
=SEE CARICA PAPAYA, FRUIT, FRESH, (4)

PEANUT CAKE (CFA)
=SEE ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND CAKED, (5)

PEANUT HULLS (AAFCO)
=SEE ARACHIS HYPOGAEA, HULLS, (1)

PEANUT MEAL AND HULLS (AAFCO)
=SEE ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, MECH EXTD GRND, (5)

PEANUT MEAL (CFA)
=SEE ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND, MX 7% FIBER, (5)

PEANUT MEAL (AAFCO)
=SEE ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND, MX 7% FIBER, (5)

PEANUT OIL MEAL, EXPELLER EXTRACTED
=SEE ARACHIS HYPOGAEA, KERNELS, MECH EXTD GRND, MX 7% FIBER, (5)

PEANUT OIL MEAL, SOLVENT EXTRACTED
=SEE ARACHIS HYPOGAEA, KERNELS, SOLV EXTD GRND, MX 7% FIBER, (5)

PEANUT OIL MEAL W SHELLS, MECHANICAL EXTRACTED
=SEE ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, MECH EXTD GRND, (5)

PEANUT OIL MEAL W SHELLS, SOLVENT EXTRACTED
=SEE ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, SOLV EXTD GRND, (5)

PENNISETUM CILIARE, BUFFELGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM CILIARE, AERIAL PART, DEHY GRND, (1)						
REF NO 1-10-575						
DRY MATTER		%	90.2	100.0		1
ORGANIC MATTER		%	78.2	86.7		1
ASH		%	12.0	13.3		1
CRUDE FIBER		%	32.0	35.5		1
ETHER EXTRACT		%	6.2	6.9		1
NITROGEN FREE EXTRACT		%	29.9	33.1		1
PROTEIN		%	10.1	11.2		1
CATTLE	DIG PROT	% *	6.0	6.6		
GOATS	DIG PROT	% *	6.3	7.0		
HORSES	DIG PROT	% *	6.3	7.0		
RABBITS	DIG PROT	% *	6.6	7.3		
SHEEP	DIG PROT	% *	6.0	6.6		
ENERGY	DE KCAL/KG					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DE MCAL/KG *	1.69	1.87		
SHEEP	ME MCAL/KG *	1.38	1.54		
SHEEP	TDN % *	38.3	42.5		
CALCIUM	%	0.37	0.41		1
PHOSPHORUS	%	0.30	0.33		1
VITAMIN A EQUIV	IU/G	110.9	122.9		

PENNISETUM CILIARE, HAY, S-C, (1)

REF NO 1-10-353

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.7	100.0	1	4
ORGANIC MATTER	%	81.6	88.0	28	1
ASH	%	9.3	10.0	28	4
CRUDE FIBER	%	35.6	38.4	12	4
ETHER EXTRACT	%	3.1	3.3	50	4
NITROGEN FREE EXTRACT	%	37.4	40.4	12	4
PROTEIN	%	7.3	7.9	31	4
CATTLE	DIG PROT % *	3.5	3.8		
GOATS	DIG PROT % *	3.7	3.9		
HORSES	DIG PROT % *	3.9	4.3		
RABBITS	DIG PROT % *	4.4	4.8		
SHEEP	DIG PROT % *	3.4	3.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.99	2.14		
HORSES	DE MCAL/KG *	1.80	1.94		
SHEEP	DE MCAL/KG *	1.98	2.14		
CATTLE	ME MCAL/KG *	1.63	1.76		
HORSES	ME MCAL/KG *	1.47	1.59		
SHEEP	ME MCAL/KG *	1.63	1.75		
CATTLE	NE-M MCAL/KG *	0.97	1.04		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.22		
CATTLE	NE-LACTATION MCAL/KG *	0.89	0.96		
CATTLE	TDN % *	45.1	48.6		
HORSES	TDN % *	44.9	48.4		
SHEEP	TDN % *	45.0	48.5		
CALCIUM	%	0.00	0.00		2
IRON	%	0.002	0.003		2
PHOSPHORUS	%	0.00	0.00		2
VITAMIN A EQUIV	IU/G	24.5	26.4		

PENNISETUM CILIARE, HAY, S-C, 15 TO 28 DAYS' GROWTH, (1)

REF NO 1-10-117

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.9	100.0		28
ORGANIC MATTER	%	75.8	83.3		
ASH	%	15.1	16.7	21	28
CRUDE FIBER	%	31.9	35.1	7	28
ETHER EXTRACT	%	1.5	1.7	13	28
NITROGEN FREE EXTRACT	%	32.2	35.5	8	28
PROTEIN	%	10.1	11.1	23	28
CATTLE	DIG PROT % *	5.9	6.5		
GOATS	DIG PROT % *	6.3	6.9		
HORSES	DIG PROT % *	6.3	6.9		
RABBITS	DIG PROT % *	6.6	7.2		
SHEEP	DIG PROT % *	5.9	6.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.84	2.02		
SHEEP	DE MCAL/KG *	1.90	2.09		
CATTLE	ME MCAL/KG *	1.50	1.66		
SHEEP	ME MCAL/KG *	1.56	1.72		
CATTLE	NE-M MCAL/KG *	0.90	0.99		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.09		
CATTLE	NE-LACTATION MCAL/KG *	0.78	0.86		
CATTLE	TDN % *	41.6	45.8		
SHEEP	TDN % *	43.2	47.5		

PENNISETUM CILIARE, HAY, S-C, 29 TO 42 DAYS' GROWTH, (1)

REF NO 1-10-118

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.2	100.0	1	16
ORGANIC MATTER	%	78.7	85.3		
ASH	%	13.5	14.7	8	16
CRUDE FIBER	%	35.5	38.5	3	16
ETHER EXTRACT	%	1.3	1.4	24	16
NITROGEN FREE EXTRACT	%	34.3	37.2	7	16
PROTEIN	%	7.6	8.2	29	16
CATTLE	DIG PROT % *	3.8	4.1		
GOATS	DIG PROT % *	3.9	4.3		
HORSES	DIG PROT % *	4.2	4.5		
RABBITS	DIG PROT % *	4.6	5.0		
SHEEP	DIG PROT % *	3.7	4.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.82	1.97		
SHEEP	DE MCAL/KG *	1.90	2.06		
CATTLE	ME MCAL/KG *	1.49	1.62		
SHEEP	ME MCAL/KG *	1.56	1.69		
CATTLE	NE-M MCAL/KG *	0.89	0.97		
CATTLE	NE-GAIN MCAL/KG *	0.04	0.04		
CATTLE	NE-LACTATION MCAL/KG *	0.76	0.82		
CATTLE	TDN % *	41.2	44.7		
SHEEP	TDN % *	43.1	46.7		

PENNISETUM CILIARE, HAY, S-C, 43 TO 56 DAYS' GROWTH, (1)

REF NO 1-10-119

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.6	100.0		12
ORGANIC MATTER	%	80.3	86.7		
ASH	%	12.3	13.3	4	12
CRUDE FIBER	%	40.6	43.9	4	12
ETHER EXTRACT	%	0.9	0.9	24	12
NITROGEN FREE EXTRACT	%	32.2	34.8	3	12
PROTEIN	%	6.6	7.2	35	12
CATTLE	DIG PROT % *	2.9	3.1		
GOATS	DIG PROT % *	3.0	3.2		
HORSES	DIG PROT % *	3.3	3.6		
RABBITS	DIG PROT % *	3.9	4.2		
SHEEP	DIG PROT % *	2.8	3.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.78	1.92		
SHEEP	DE MCAL/KG *	1.91	2.07		
CATTLE	ME MCAL/KG *	1.46	1.58		
SHEEP	ME MCAL/KG *	1.57	1.69		
CATTLE	NE-M MCAL/KG *	0.88	0.95		
CATTLE	NE-GAIN MCAL/KG *	-0.00	-0.01		
CATTLE	NE-LACTATION MCAL/KG *	0.73	0.79		
CATTLE	TDN % *	40.4	43.6		
SHEEP	TDN % *	43.4	46.9		

PENNISETUM CILIARE, AERIAL PART, FRESH, (2)

REF NO 2-10-360

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.3	100.0	26	11
ORGANIC MATTER	%	22.3	88.0	16	3
ASH	%	3.1	12.4	16	19
CRUDE FIBER	%	8.8	34.9	13	20
ETHER EXTRACT	%	0.5	2.1	38	19
NITROGEN FREE EXTRACT	%	10.8	42.7	12	16
PROTEIN	%	2.0	7.8	25	22
CATTLE	DIG PROT % *	1.2	4.6		
GOATS	DIG PROT % *	1.0	3.9		
HORSES	DIG PROT % *	1.1	4.2		
RABBITS	DIG PROT % *	1.2	4.7		
SHEEP	DIG PROT % *	1.1	4.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.57	2.29		
SHEEP	DE MCAL/KG *	0.62	2.44		
CATTLE	ME MCAL/KG *	0.47	1.84		
SHEEP	ME MCAL/KG *	0.51	2.00		
CATTLE	NE-M MCAL/KG *	0.28	1.09		
CATTLE	NE-GAIN MCAL/KG *	0.08	0.32		
CATTLE	NE-LACTATION MCAL/KG *	0.26	1.04		
CATTLE	TDN % *	12.9	51.0		
SHEEP	TDN % *	14.0	55.3		
CALCIUM	%	0.01	0.06		3
IRON	%	0.008	0.033		3
PHOSPHORUS	%	0.06	0.22		3
VITAMIN A EQUIV	IU/G	4.1	16.0		

PENNISETUM CILIARE, AERIAL PART, FRESH, LAYE VEGETATIVE, (2)

REF NO 2-10-253

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	19.4	100.0		1
ORGANIC MATTER	%	17.6	90.5		
ASH	%	1.8	9.5		1
CRUDE FIBER	%	6.5	33.6		1
ETHER EXTRACT	%	0.4	1.9		1
NITROGEN FREE EXTRACT	%	8.0	41.0		1
PROTEIN	%	2.7	14.0		1
CATTLE	DIG PROT % *	1.9	9.8		
GOATS	DIG PROT % *	1.9	9.6		
HORSES	DIG PROT % *	1.8	9.4		
RABBITS	DIG PROT % *	1.8	9.5		
SHEEP	DIG PROT % *	1.9	10.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.50	2.57		
SHEEP	DE MCAL/KG *	0.50	2.59		
CATTLE	ME MCAL/KG *	0.41	2.11		
SHEEP	ME MCAL/KG *	0.41	2.13		
CATTLE	NE-M MCAL/KG *	0.24	1.25		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.60		
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.29		
CATTLE	TDN % *	11.3	58.3		
SHEEP	TDN % *	11.4	58.8		
CALCIUM	%	0.11	0.55		1
PHOSPHORUS	%	0.02	0.09		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM CILIARE, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-10-252						
DRY MATTER		%	20.8	100.0	29	6
ORGANIC MATTER		%	18.9	90.8	21	1
ASH		%	2.7	12.8	21	6
CRUDE FIBER		%	7.2	34.5	19	6
ETHER EXTRACT		%	0.5	2.2	42	6
NITROGEN FREE EXTRACT		%	8.2	39.3	6	6
PROTEIN		%	2.3	11.2	50	6
CATTLE	DIG PROT	% *	1.5	7.4		
GOATS	DIG PROT	% *	1.5	7.0		
HORSES	DIG PROT	% *	1.5	7.1		
RABBITS	DIG PROT	% *	1.5	7.3		
SHEEP	DIG PROT	% *	1.5	7.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.37		
SHEEP	DE	MCAL/KG *	0.52	2.49		
CATTLE	ME	MCAL/KG *	0.40	1.94		
SHEEP	ME	MCAL/KG *	0.42	2.04		
CATTLE	NE-M	MCAL/KG *	0.24	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.13		
CATTLE	TDN	% *	11.1	53.7		
SHEEP	TDN	% *	11.7	56.4		
CALCIUM		%	0.04	0.17		2
IRON		%	0.000	0.002		1
PHOSPHORUS		%	0.07	0.31		1
POTASSIUM		%	0.08	0.40		1
VITAMIN A EQUIV		IU/G	3.5	16.6		
PENNISETUM CILIARE, AERIAL PART, FRESH, CUT 4, (2)						
REF NO 2-11-881						
DRY MATTER		%	71.6	100.0		1
ORGANIC MATTER		%	64.7	90.4		1
ASH		%	6.9	9.6		1
CRUDE FIBER		%	33.7	47.1		1
ETHER EXTRACT		%	2.1	3.0		1
NITROGEN FREE EXTRACT		%	26.5	37.0		1
PROTEIN		%	2.3	3.2		1
CATTLE	DIG PROT	% *	0.4	0.6		
GOATS	DIG PROT	% *	-0.3	-0.4		
HORSES	DIG PROT	% *	0.2	0.3		
RABBITS	DIG PROT	% *	0.8	1.1		
SHEEP	DIG PROT	% *	-0.0	-0.0		
CALCIUM		%	0.11	0.15		1
IRON		%	0.005	0.007		1
PHOSPHORUS		%	0.54	0.75		1
PENNISETUM CILIARE, LEAVES, FRESH, (2)						
REF NO 2-17-629						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.8		
ASH		%		13.2		3
CRUDE FIBER		%		35.2		3
ETHER EXTRACT		%		1.7		3
NITROGEN FREE EXTRACT		%		42.3		3
PROTEIN		%		7.7		3
CATTLE	DIG PROT	% *		4.4		
GOATS	DIG PROT	% *		3.7		
HORSES	DIG PROT	% *		4.1		
RABBITS	DIG PROT	% *		4.6		
SHEEP	DIG PROT	% *		4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.34		
SHEEP	DE	MCAL/KG *		2.39		
CATTLE	ME	MCAL/KG *		1.92		
SHEEP	ME	MCAL/KG *		1.96		
CATTLE	NE-M	MCAL/KG *		1.13		
CATTLE	NE-GAIN	MCAL/KG *		0.40		
CATTLE	NE-LACTATION	MCAL/KG *		1.11		
CATTLE	TDN	% *		53.0		
SHEEP	TDN	% *		54.2		
CALCIUM		%		0.48		3
PHOSPHORUS		%		0.47		3
PENNISETUM CLANDESTINUM, KIKUYUGRASS						
PENNISETUM CLANDESTINUM, AERIAL PART, DEHY, (1)						
REF NO 1-10-839						
DRY MATTER		%	92.7	100.0		1
ORGANIC MATTER		%	83.0	89.5		1
ASH		%	9.7	10.5		1
CRUDE FIBER		%	19.0	20.5		1
ETHER EXTRACT		%	1.3	1.4		1
NITROGEN FREE EXTRACT		%	46.4	50.1		1
PROTEIN		%	16.3	17.6		1
CATTLE	DIG PROT	% *	11.3	12.2		
GOATS	DIG PROT	% *	12.0	13.0		
HORSES	DIG PROT	% *	11.5	12.5		
RABBITS	DIG PROT	% *	11.4	12.2		
SHEEP	DIG PROT	% *	11.4	12.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.54	2.74		
HORSES	DE	MCAL/KG *	1.90	2.05		
SHEEP	DE	MCAL/KG *	2.48	2.68		
CATTLE	ME	MCAL/KG *	2.08	2.25		
HORSES	ME	MCAL/KG *	1.56	1.68		
SHEEP	ME	MCAL/KG *	2.04	2.20		
CATTLE	NE-M	MCAL/KG *	1.24	1.34		
CATTLE	NE-GAIN	MCAL/KG *	0.68	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	1.32	1.43		
CATTLE	TDN	% *	57.7	62.2		
HORSES	TDN	% *	47.6	51.3		
SHEEP	TDN	% *	56.3	60.8		
CALCIUM		%	0.23	0.25		1
IRON		%	0.021	0.023		1
PHOSPHORUS		%	0.19	0.20		1
NIACIN		MG/KG	46.2	49.8		1
RIBOFLAVIN		MG/KG	18.9	20.4		1
VITAMIN A EQUIV		IU/G	396.4	427.6		
PENNISETUM CLANDESTINUM, AERIAL PART, DEHY GRND, (1)						
REF NO 1-10-838						
DRY MATTER		%	92.5	100.0		2
ORGANIC MATTER		%	81.2	87.8		2
ASH		%	11.3	12.2		2
CRUDE FIBER		%	23.9	25.9		2
ETHER EXTRACT		%	3.5	3.8		2
NITROGEN FREE EXTRACT		%	36.2	39.1		2
PROTEIN		%	17.6	19.0		2
CATTLE	DIG PROT	% *	12.4	13.4		
GOATS	DIG PROT	% *	13.2	14.3		
HORSES	DIG PROT	% *	12.6	13.7		
RABBITS	DIG PROT	% *	12.3	13.3		
SHEEP	DIG PROT	% *	12.6	13.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.40	2.59		
HORSES	DE	MCAL/KG *	1.59	1.72		
SHEEP	DE	MCAL/KG *	2.36	2.55		
CATTLE	ME	MCAL/KG *	1.97	2.13		
HORSES	ME	MCAL/KG *	1.30	1.41		
SHEEP	ME	MCAL/KG *	1.94	2.09		
CATTLE	NE-M	MCAL/KG *	1.16	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.57	0.62		
CATTLE	NE-LACTATION	MCAL/KG *	1.21	1.31		
CATTLE	TDN	% *	54.4	58.8		
HORSES	TDN	% *	39.2	42.4		
SHEEP	TDN	% *	53.5	57.9		
CALCIUM		%	0.43	0.47		1
PHOSPHORUS		%	0.28	0.30		1
PENNISETUM CLANDESTINUM, HAY, S-C, (1)						
REF NO 1-09-454						
DRY MATTER		%	92.7	100.0	4	9
ORGANIC MATTER		%	81.3	87.6		
ASH		%	11.5	12.4	37	9
CRUDE FIBER		%	26.3	28.4	16	10
ETHER EXTRACT		%	2.4	2.5	41	10
NITROGEN FREE EXTRACT		%	41.6	44.9	7	9
PROTEIN		%	10.9	11.8	41	10
CATTLE	DIG PROT	% *	6.6	7.1		
GOATS	DIG PROT	% *	7.0	7.6		
HORSES	DIG PROT	% *	7.0	7.5		
RABBITS	DIG PROT	% *	7.2	7.8		
SHEEP	DIG PROT	% *	6.6	7.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.23	2.41		
HORSES	DE	MCAL/KG *	1.82	1.96		
SHEEP	DE	MCAL/KG *	2.18	2.35		
CATTLE	ME	MCAL/KG *	1.83	1.97		
HORSES	ME	MCAL/KG *	1.49	1.61		
SHEEP	ME	MCAL/KG *	1.78	1.92		
CATTLE	NE-M	MCAL/KG *	1.08	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.43	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	1.08	1.16		
CATTLE	TDN	% *	50.6	54.6		
HORSES	TDN	% *	45.4	49.0		
SHEEP	TDN	% *	49.3	53.2		
CALCIUM		%	1.52	1.64		1
MAGNESIUM		%	0.29	0.31		1
PHOSPHORUS		%	0.17	0.18		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, (2) KIKUYO					
REF NO 2-09-400					
DRY MATTER	%	19.7	100.0	37	98
ORGANIC MATTER	%	17.2	87.4	18	5
ASH	%	2.1	10.7	18	98
CRUDE FIBER	%	4.9	24.8	26	98
ETHER EXTRACT	%	0.5	2.3	66	98
NITROGEN FREE EXTRACT	%	9.2	47.0	10	98
PROTEIN	%	3.0	15.1	31	98
CATTLE DIG PROT % *		2.1	10.8		
GOATS DIG PROT % *		2.1	10.7		
HORSES DIG PROT % *		2.0	10.4		
RABBITS DIG PROT % *		2.0	10.4		
SHEEP DIG PROT % *		2.2	11.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.55	2.80		
SHEEP DE MCAL/KG *		0.54	2.76		
CATTLE ME MCAL/KG *		0.45	2.30		
SHEEP ME MCAL/KG *		0.45	2.27		
CATTLE NE-M MCAL/KG *		0.27	1.37		
CATTLE NE-GAIN MCAL/KG *		0.15	0.78		
CATTLE NE-LACTATION MCAL/KG *		0.29	1.47		
CATTLE TDN % *		12.5	63.5		
SHEEP TDN % *		12.3	62.7		
CALCIUM	%	0.15	0.77	98	58
COPPER	MG/KG	1.2	6.1	3	6
IRON	%	0.016	0.082		2
MAGNESIUM	%	0.07	0.33	98	11
MANGANESE	MG/KG	45.9	233.1	65	6
MOLYBDENUM	MG/KG	0.14	0.73	35	6
PHOSPHORUS	%	0.08	0.38	98	54
SULPHUR	%	0.04	0.18	58	4
ZINC	MG/KG	4.6	23.5	18	6
VITAMIN A EQUIV	IU/G	11.8	59.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-10-189					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		80.2		
ASH	%		19.8		1
CRUDE FIBER	%		21.1		1
ETHER EXTRACT	%		3.1		1
NITROGEN FREE EXTRACT	%		35.4		1
PROTEIN	%		20.7		1
CATTLE DIG PROT % *			15.5		
GOATS DIG PROT % *			15.9		
HORSES DIG PROT % *			15.1		
RABBITS DIG PROT % *			14.7		
SHEEP DIG PROT % *			16.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.14		
SHEEP DE MCAL/KG *			2.62		
CATTLE ME MCAL/KG *			1.75		
SHEEP ME MCAL/KG *			2.15		
CATTLE NE-M MCAL/KG *			1.04		
CATTLE NE-GAIN MCAL/KG *			0.21		
CATTLE NE-LACTATION MCAL/KG *			0.95		
CATTLE TDN % *			48.5		
SHEEP TDN % *			59.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)					
REF NO 2-10-230					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		82.1		
ASH	%		17.9		1
CRUDE FIBER	%		24.5		1
ETHER EXTRACT	%		3.1		1
NITROGEN FREE EXTRACT	%		38.5		1
PROTEIN	%		16.0		1
CATTLE DIG PROT % *			11.5		
GOATS DIG PROT % *			11.5		
HORSES DIG PROT % *			11.1		
RABBITS DIG PROT % *			11.0		
SHEEP DIG PROT % *			11.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.31		
SHEEP DE MCAL/KG *			2.59		
CATTLE ME MCAL/KG *			1.89		
SHEEP ME MCAL/KG *			2.12		
CATTLE NE-M MCAL/KG *			1.12		
CATTLE NE-GAIN MCAL/KG *			0.37		
CATTLE NE-LACTATION MCAL/KG *			1.09		
CATTLE TDN % *			52.3		
SHEEP TDN % *			58.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)					
REF NO 2-13-704					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.7		
ASH	%		6.3		1
CRUDE FIBER	%		24.1		1
ETHER EXTRACT	%		2.2		1
NITROGEN FREE EXTRACT	%		60.2		1
PROTEIN	%		7.2		1
CATTLE DIG PROT % *			4.0		
GOATS DIG PROT % *			3.3		
HORSES DIG PROT % *			3.6		
RABBITS DIG PROT % *			4.2		
SHEEP DIG PROT % *			3.7		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			3.11		
SHEEP DE MCAL/KG *			2.89		
CATTLE ME MCAL/KG *			2.55		
SHEEP ME MCAL/KG *			2.37		
CATTLE NE-M MCAL/KG *			1.56		
CATTLE NE-GAIN MCAL/KG *			0.99		
CATTLE NE-LACTATION MCAL/KG *			1.71		
CATTLE TDN % *			70.5		
SHEEP TDN % *			65.5		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-10-190					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		73.2		
ASH	%		26.8		1
CRUDE FIBER	%		24.4		1
ETHER EXTRACT	%		2.0		1
NITROGEN FREE EXTRACT	%		37.1		1
PROTEIN	%		9.7		1
CATTLE DIG PROT % *			6.1		
GOATS DIG PROT % *			5.6		
HORSES DIG PROT % *			5.8		
RABBITS DIG PROT % *			6.2		
SHEEP DIG PROT % *			6.0		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.00		
SHEEP DE MCAL/KG *			2.22		
CATTLE ME MCAL/KG *			1.64		
SHEEP ME MCAL/KG *			1.82		
CATTLE NE-M MCAL/KG *			0.98		
CATTLE NE-GAIN MCAL/KG *			0.07		
CATTLE NE-LACTATION MCAL/KG *			0.84		
CATTLE TDN % *			45.3		
SHEEP TDN % *			50.5		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)					
REF NO 2-13-705					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.3		
ASH	%		7.7		1
CRUDE FIBER	%		28.2		1
ETHER EXTRACT	%		2.0		1
NITROGEN FREE EXTRACT	%		55.6		1
PROTEIN	%		6.5		1
CATTLE DIG PROT % *			3.4		
GOATS DIG PROT % *			2.6		
HORSES DIG PROT % *			3.0		
RABBITS DIG PROT % *			3.7		
SHEEP DIG PROT % *			3.0		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.67		
SHEEP DE MCAL/KG *			2.69		
CATTLE ME MCAL/KG *			2.19		
SHEEP ME MCAL/KG *			2.21		
CATTLE NE-M MCAL/KG *			1.30		
CATTLE NE-GAIN MCAL/KG *			0.68		
CATTLE NE-LACTATION MCAL/KG *			1.37		
CATTLE TDN % *			60.5		
SHEEP TDN % *			61.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, 183 TO 196 DAYS' GROWTH, (2)					
REF NO 2-13-706					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.9		
ASH	%		7.1		1
CRUDE FIBER	%		30.3		1
ETHER EXTRACT	%		1.5		1
NITROGEN FREE EXTRACT	%		55.9		1
PROTEIN	%		5.2		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	DIG PROT % *		2.3	
GOATS	DIG PROT % *		1.4	
HORSES	DIG PROT % *		1.9	
RABBITS	DIG PROT % *		2.7	
SHEEP	DIG PROT % *		1.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.49	
SHEEP	DE MCAL/KG *		2.61	
CATTLE	ME MCAL/KG *		2.04	
SHEEP	ME MCAL/KG *		2.14	
CATTLE	NE-M MCAL/KG *		1.20	
CATTLE	NE-GAIN MCAL/KG *		0.53	
CATTLE	NE-LACTATION MCAL/KG *		1.23	
CATTLE	TDN % *		56.4	
SHEEP	TDN % *		59.3	

PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-05-666

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.5	
ASH	%		12.5	1
ETHER EXTRACT	%		4.7	1
NITROGEN FREE EXTRACT	%		47.3	1
PROTEIN	%		8.5	1
CATTLE	DIG PROT % *		5.1	
GOATS	DIG PROT % *		4.5	
HORSES	DIG PROT % *		4.7	
RABBITS	DIG PROT % *		5.2	
SHEEP	DIG PROT % *		4.9	
CELLULOSE (CRAMPTON)	%		26.8	1
CALCIUM	%		0.40	1
MAGNESIUM	%		0.24	1
PHOSPHORUS	%		0.37	1
ACID INSOLUBLE ASH (SILICA)	%		5.66	1

PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-05-665

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		86.0	
ASH	%		14.0	1
CRUDE FIBER	%		29.1	1
ETHER EXTRACT	%		1.8	1
NITROGEN FREE EXTRACT	%		36.3	1
PROTEIN	%		18.8	2
CATTLE	DIG PROT % *		13.9	
GOATS	DIG PROT % *		14.1	
HORSES	DIG PROT % *		13.5	
RABBITS	DIG PROT % *		13.2	
SHEEP	DIG PROT % *		14.6	
CELLULOSE (VAN SOEST)	%		21.6	1
FIBER, ACID DETERGENT (VS)	%		28.3	1
LIGNIN (VAN SOEST)	%		1.8	1
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.65	
SHEEP	DE MCAL/KG *		2.59	
CATTLE	ME MCAL/KG *		2.17	
SHEEP	ME MCAL/KG *		2.12	
CATTLE	NE-M MCAL/KG *		1.29	
CATTLE	NE-GAIN MCAL/KG *		0.66	
CATTLE	NE-LACTATION MCAL/KG *		1.35	
CATTLE	TDN % *		60.0	
SHEEP	TDN % *		58.6	
ACID INSOLUBLE ASH (SILICA)	%		3.60	1

PENNISETUM CLANDESTINUM, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-09-918

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		85.8	
ASH	%		14.2	1
CRUDE FIBER	%		23.3	1
ETHER EXTRACT	%		1.8	1
NITROGEN FREE EXTRACT	%		41.8	1
PROTEIN	%		19.0	1
CATTLE	DIG PROT % *		14.0	
GOATS	DIG PROT % *		14.2	
HORSES	DIG PROT % *		13.6	
RABBITS	DIG PROT % *		13.3	
SHEEP	DIG PROT % *		14.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.64	
SHEEP	DE MCAL/KG *		2.69	
CATTLE	ME MCAL/KG *		2.16	
SHEEP	ME MCAL/KG *		2.20	
CATTLE	NE-M MCAL/KG *		1.28	
CATTLE	NE-GAIN MCAL/KG *		0.65	
CATTLE	NE-LACTATION MCAL/KG *		1.35	
CATTLE	TDN % *		59.9	
SHEEP	TDN % *		60.9	

PENNISETUM CLANDESTINUM, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-853

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		78.2	
ASH	%		21.8	2
CRUDE FIBER	%		20.2	2
ETHER EXTRACT	%		3.4	2
NITROGEN FREE EXTRACT	%		32.9	2
PROTEIN	%		21.7	2
CATTLE	DIG PROT % *		16.3	
GOATS	DIG PROT % *		16.8	
HORSES	DIG PROT % *		15.9	
RABBITS	DIG PROT % *		15.4	
SHEEP	DIG PROT % *		17.2	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		2.60	
SHEEP	ME MCAL/KG *		2.13	
SHEEP	TDN % *		59.0	

PENNISETUM CLANDESTINUM, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, (2)

REF NO 2-10-226

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	19.1	100.0	1
ORGANIC MATTER	%	17.0	88.8	
ASH	%	2.1	11.2	1
CRUDE FIBER	%	5.3	27.5	1
ETHER EXTRACT	%	0.3	1.7	1
NITROGEN FREE EXTRACT	%	9.8	51.4	1
PROTEIN	%	1.6	8.3	1
CATTLE	DIG PROT % *	0.9	4.9	
GOATS	DIG PROT % *	0.8	4.3	
HORSES	DIG PROT % *	0.9	4.6	
RABBITS	DIG PROT % *	1.0	5.1	
SHEEP	DIG PROT % *	0.9	4.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.50	2.60	
SHEEP	DE MCAL/KG *	0.50	2.62	
CATTLE	ME MCAL/KG *	0.41	2.13	
SHEEP	ME MCAL/KG *	0.41	2.14	
CATTLE	NE-M MCAL/KG *	0.24	1.26	
CATTLE	NE-GAIN MCAL/KG *	0.12	0.62	
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.32	
CATTLE	TDN % *	11.3	59.0	
SHEEP	TDN % *	11.3	59.3	
CALCIUM	%	0.05	0.28	1
PHOSPHORUS	%	0.06	0.33	1

PENNISETUM CLANDESTINUM, LEAVES, FRESH FERTILIZED, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-15-493

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.7	100.0	1
ORGANIC MATTER	%	20.9	92.1	
ASH	%	1.8	7.9	1
CRUDE FIBER	%	6.9	30.5	1
PROTEIN	%	1.1	4.8	1
CATTLE	DIG PROT % *	0.4	2.0	
GOATS	DIG PROT % *	0.2	1.0	
HORSES	DIG PROT % *	0.4	1.6	
RABBITS	DIG PROT % *	0.5	2.4	
SHEEP	DIG PROT % *	0.3	1.5	

PENNISETUM CLANDESTINUM, TRIFOLIUM PRATENSE, KIKUYUGRASS-CLOVER, REU

PENNISETUM CLANDESTINUM, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-10-191

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		76.1	
ASH	%		23.9	1
CRUDE FIBER	%		19.2	1
ETHER EXTRACT	%		3.8	1
NITROGEN FREE EXTRACT	%		30.7	1
PROTEIN	%		22.4	1
CATTLE	DIG PROT % *		16.9	
GOATS	DIG PROT % *		17.5	
HORSES	DIG PROT % *		16.5	
RABBITS	DIG PROT % *		16.0	
SHEEP	DIG PROT % *		17.9	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		2.59	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	NE MCAL/KG *		2.12		
SHEEP	TON % *		58.7		

PENNISETUM CLANDESTINUM, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-192

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		82.1		
ASH	%		17.9		1
CRUDE FIBER	%		22.4		1
ETHER EXTRACT	%		2.7		1
NITROGEN FREE EXTRACT	%		41.2		1
PROTEIN	%		15.8		1
CATTLE	DIG PROT % *		11.3		
GOATS	DIG PROT % *		11.3		
HORSES	DIG PROT % *		10.9		
RABBITS	DIG PROT % *		10.9		
SHEEP	DIG PROT % *		11.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.41		
SHEEP	DE MCAL/KG *		2.61		
CATTLE	ME MCAL/KG *		1.97		
SHEEP	ME MCAL/KG *		2.14		
CATTLE	NE-M MCAL/KG *		1.16		
CATTLE	NE-GAIN MCAL/KG *		0.46		
CATTLE	NE-LACTATION MCAL/KG *		1.16		
CATTLE	TDN % *		54.6		
SHEEP	TDN % *		59.2		

PENNISETUM CLANDESTINUM, TRIFOLIUM PRATENSE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-193

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		81.7		
ASH	%		18.3		1
CRUDE FIBER	%		25.3		1
ETHER EXTRACT	%		2.2		1
NITROGEN FREE EXTRACT	%		41.4		1
PROTEIN	%		12.7		1
CATTLE	DIG PROT % *		8.7		
GOATS	DIG PROT % *		8.4		
HORSES	DIG PROT % *		8.3		
RABBITS	DIG PROT % *		8.5		
SHEEP	DIG PROT % *		8.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.37		
SHEEP	DE MCAL/KG *		2.50		
CATTLE	ME MCAL/KG *		1.94		
SHEEP	ME MCAL/KG *		2.05		
CATTLE	NE-M MCAL/KG *		1.14		
CATTLE	NE-GAIN MCAL/KG *		0.42		
CATTLE	NE-LACTATION MCAL/KG *		1.13		
CATTLE	TDN % *		53.6		
SHEEP	TDN % *		56.7		

PENNISETUM CLANDESTINUM, TRIFOLIUM REPENS, KIKUYUGRASS-CLOVER, WHITE

PENNISETUM CLANDESTINUM, TRIFOLIUM REPENS, AERIAL PART, FRESH, (2)

REF NO 2-10-235

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.4		
ASH	%		10.6	11	20
CRUDE FIBER	%		27.1	6	20
ETHER EXTRACT	%		2.5	61	20
NITROGEN FREE EXTRACT	%		48.9	7	20
PROTEIN	%		10.8	26	20
CATTLE	DIG PROT % *		7.1		
GOATS	DIG PROT % *		6.7		
HORSES	DIG PROT % *		6.7		
RABBITS	DIG PROT % *		7.0		
SHEEP	DIG PROT % *		7.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.70		
SHEEP	DE MCAL/KG *		2.68		
CATTLE	ME MCAL/KG *		2.22		
SHEEP	ME MCAL/KG *		2.20		
CATTLE	NE-M MCAL/KG *		1.32		
CATTLE	NE-GAIN MCAL/KG *		0.70		
CATTLE	NE-LACTATION MCAL/KG *		1.40		
CATTLE	TDN % *		61.3		
SHEEP	TDN % *		60.8		

PENNISETUM CLANDESTINUM, TRIFOLIUM REPENS, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-10-236

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.8		
ASH	%		10.2	18	19
CRUDE FIBER	%		27.6	8	19
ETHER EXTRACT	%		2.3	49	19
NITROGEN FREE EXTRACT	%		48.1	11	19
PROTEIN	%		11.9	39	19
CATTLE	DIG PROT % *		8.0		
GOATS	DIG PROT % *		7.6		
HORSES	DIG PROT % *		7.6		
RABBITS	DIG PROT % *		7.8		
SHEEP	DIG PROT % *		8.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.69		
SHEEP	DE MCAL/KG *		2.69		
CATTLE	ME MCAL/KG *		2.20		
SHEEP	ME MCAL/KG *		2.20		
CATTLE	NE-M MCAL/KG *		1.31		
CATTLE	NE-GAIN MCAL/KG *		0.69		
CATTLE	NE-LACTATION MCAL/KG *		1.38		
CATTLE	TDN % *		60.9		
SHEEP	TDN % *		60.9		

PENNISETUM GLAUCUM, PEARLMILLET

PENNISETUM GLAUCUM, HAY, S-C, FULL BLOOM, (1)

REF NO 1-10-852

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.1	100.0		1
ORGANIC MATTER	%	77.1	89.5		1
ASH	%	9.0	10.5		1
SHEEP	DIG COEF %	35.	35.		
PROTEIN	%	8.3	9.6		1
SHEEP	DIG COEF %	63.	63.		1
CATTLE	DIG PROT % *	4.5	5.3		
GOATS	DIG PROT % *	4.8	5.5		
HORSES	DIG PROT % *	4.9	5.7		
RABBITS	DIG PROT % *	5.2	6.1		
SHEEP	DIG PROT %	5.2	6.0		
CELL WALLS (VAN SOEST)	%	64.8	75.3		1
FIBER, ACID DETERGENT (VS)	%	42.2	49.0		1
LIGNIN (VAN SOEST)	%	5.5	6.4		1
ENERGY	GE KCAL/KG	3738.	4342.		1
SHEEP	GE DIG COEF %	67.	67.		1
SHEEP	DE MCAL/KG	2.50	2.91		1
SHEEP	ME MCAL/KG *	2.05	2.39		
SHEEP	TDN % *	0.1	0.1		

PENNISETUM GLAUCUM, AERIAL PART, FRESH, (2)

REF NO 2-03-115

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.4	100.0		1
ORGANIC MATTER	%	18.9	80.8		1
ASH	%	3.0	12.8		3
CRUDE FIBER	%	6.0	25.5		2
ETHER EXTRACT	%	0.7	2.9		2
NITROGEN FREE EXTRACT	%	11.9	50.7		2
PROTEIN	%	1.9	8.1		2
CATTLE	DIG PROT % *	1.1	4.8		
GOATS	DIG PROT % *	1.0	4.1		
HORSES	DIG PROT % *	1.0	4.4		
RABBITS	DIG PROT % *	1.1	4.9		
SHEEP	DIG PROT % *	1.1	4.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.64	2.74		
SHEEP	DE MCAL/KG *	0.62	2.64		
CATTLE	ME MCAL/KG *	0.53	2.25		
SHEEP	ME MCAL/KG *	0.51	2.16		
CATTLE	NE-M MCAL/KG *	0.31	1.34		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.73		
CATTLE	NE-LACTATION MCAL/KG *	0.33	1.43		
CATTLE	TDN % *	14.6	62.2		
SHEEP	TDN % *	14.0	59.9		
CALCIUM	%	0.04	0.18		2
COPPER	MG/KG	1.0	4.1		1
IRON	%	0.008	0.033		2
MAGNESIUM	%	0.03	0.13		1
MANGANESE	MG/KG	6.4	27.4		1
PHOSPHORUS	%	0.04	0.15		2
POTASSIUM	%	0.52	2.22		1
SODIUM	%	0.02	0.09		1
VITAMIN A EQUIV	IU/G	6.7	28.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, MIDBLOOM, (2)					
REF NO 2-13-708					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.6		
ASH	%		10.4		2
CRUDE FIBER	%		28.3		2
ETHER EXTRACT	%		1.3		2
NITROGEN FREE EXTRACT	%		49.5		2
PROTEIN	%		10.6		2
CATTLE	DIG PROT % *		6.9		
GOATS	DIG PROT % *		6.4		
HORSES	DIG PROT % *		6.5		
RABBITS	DIG PROT % *		6.9		
SHEEP	DIG PROT % *		6.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.64		
SHEEP	DE MCAL/KG *		2.62		
CATTLE	ME MCAL/KG *		2.17		
SHEEP	ME MCAL/KG *		2.15		
CATTLE	NE-M MCAL/KG *		1.28		
CATTLE	NE-GAIN MCAL/KG *		0.66		
CATTLE	NE-LACTATION MCAL/KG *		1.35		
CATTLE	TDN % *		59.9		
SHEEP	TDN % *		59.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)					
REF NO 2-13-710					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.9		
ASH	%		10.1		1
CRUDE FIBER	%		25.8		1
ETHER EXTRACT	%		1.1		1
NITROGEN FREE EXTRACT	%		52.6		1
PROTEIN	%		10.4		1
CATTLE	DIG PROT % *		6.7		
GOATS	DIG PROT % *		6.3		
HORSES	DIG PROT % *		6.4		
RABBITS	DIG PROT % *		6.7		
SHEEP	DIG PROT % *		6.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.72		
SHEEP	DE MCAL/KG *		2.70		
CATTLE	ME MCAL/KG *		2.23		
SHEEP	ME MCAL/KG *		2.21		
CATTLE	NE-M MCAL/KG *		1.33		
CATTLE	NE-GAIN MCAL/KG *		0.72		
CATTLE	NE-LACTATION MCAL/KG *		1.41		
CATTLE	TDN % *		61.8		
SHEEP	TDN % *		61.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-03-114					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.4		
ASH	%		10.6		1
CRUDE FIBER	%		33.8		1
ETHER EXTRACT	%		1.4		1
NITROGEN FREE EXTRACT	%		45.4		1
PROTEIN	%		8.8		1
CATTLE	DIG PROT % *		5.4		
GOATS	DIG PROT % *		4.8		
HORSES	DIG PROT % *		5.0		
RABBITS	DIG PROT % *		5.5		
SHEEP	DIG PROT % *		5.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.46		
SHEEP	DE MCAL/KG *		2.47		
CATTLE	ME MCAL/KG *		2.02		
SHEEP	ME MCAL/KG *		2.03		
CATTLE	NE-M MCAL/KG *		1.19		
CATTLE	NE-GAIN MCAL/KG *		0.51		
CATTLE	NE-LACTATION MCAL/KG *		1.21		
CATTLE	TDN % *		55.8		
SHEEP	TDN % *		56.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)					
REF NO 2-13-405					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.1		
ASH	%		9.9		3
CRUDE FIBER	%		27.5		3
ETHER EXTRACT	%		2.0		3
NITROGEN FREE EXTRACT	%		51.0		3
PROTEIN	%		9.7		3
CATTLE	DIG PROT % *		6.1		
GOATS	DIG PROT % *		5.6		
HORSES	DIG PROT % *		5.7		
RABBITS	DIG PROT % *		6.1		
SHEEP	DIG PROT % *		6.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.67		
SHEEP	DE MCAL/KG *		2.67		
CATTLE	ME MCAL/KG *		2.19		
SHEEP	ME MCAL/KG *		2.19		
CATTLE	NE-M MCAL/KG *		1.30		
CATTLE	NE-GAIN MCAL/KG *		0.68		
CATTLE	NE-LACTATION MCAL/KG *		1.37		
CATTLE	TDN % *		60.5		
SHEEP	TDN % *		60.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, MILK STAGE, CUT 2, (2)					
REF NO 2-11-293					
DRY MATTER	%	24.7	100.0		1
ORGANIC MATTER	%	22.2	89.9		
ASH	%	2.5	10.1		1
CRUDE FIBER	%	10.7	43.2		1
ETHER EXTRACT	%	0.7	2.7		1
NITROGEN FREE EXTRACT	%	9.8	39.6		1
PROTEIN	%	1.1	4.4		1
CATTLE	DIG PROT % *	0.4	1.6		
GOATS	DIG PROT % *	0.2	0.7		
HORSES	DIG PROT % *	0.3	1.3		
RABBITS	DIG PROT % *	0.5	2.1		
SHEEP	DIG PROT % *	0.3	1.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, DOUGH STAGE, (2)					
REF NO 2-13-707					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.9		
ASH	%		8.1		1
CRUDE FIBER	%		34.5		1
ETHER EXTRACT	%		1.7		1
NITROGEN FREE EXTRACT	%		48.1		1
PROTEIN	%		7.6		1
CATTLE	DIG PROT % *		4.4		
GOATS	DIG PROT % *		3.7		
HORSES	DIG PROT % *		4.0		
RABBITS	DIG PROT % *		4.5		
SHEEP	DIG PROT % *		4.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.35		
SHEEP	DE MCAL/KG *		2.51		
CATTLE	ME MCAL/KG *		1.93		
SHEEP	ME MCAL/KG *		2.06		
CATTLE	NE-M MCAL/KG *		1.13		
CATTLE	NE-GAIN MCAL/KG *		0.41		
CATTLE	NE-LACTATION MCAL/KG *		1.12		
CATTLE	TDN % *		53.3		
SHEEP	TDN % *		57.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)					
REF NO 2-13-711					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.1		
ASH	%		11.0	11	4
CRUDE FIBER	%		22.0	40	4
ETHER EXTRACT	%		2.2	16	4
NITROGEN FREE EXTRACT	%		60.6	18	4
PROTEIN	%		4.3	60	4
CATTLE	DIG PROT % *		1.5		
GOATS	DIG PROT % *		0.5		
HORSES	DIG PROT % *		1.2		
RABBITS	DIG PROT % *		2.0		
SHEEP	DIG PROT % *		1.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.05		
SHEEP	DE MCAL/KG *		2.81		
CATTLE	ME MCAL/KG *		2.50		
SHEEP	ME MCAL/KG *		2.30		
CATTLE	NE-M MCAL/KG *		1.52		
CATTLE	NE-GAIN MCAL/KG *		0.95		
CATTLE	NE-LACTATION MCAL/KG *		1.67		
CATTLE	TDN % *		69.2		
SHEEP	TDN % *		63.7		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM GLAUCUM, AERIAL PART, FRESH, CUT 1, (2)					
REF NO 2-10-837					
DRY MATTER	%	19.1	100.0		1
ORGANIC MATTER	%	17.2	90.2		
ASH	%	1.9	9.8		1
CRUDE FIBER	%	7.9	41.3		1
ETHER EXTRACT	%	0.4	2.0		1
NITROGEN FREE EXTRACT	%	8.0	41.7		1
PROTEIN	%	1.0	5.2		1
CATTLE DIG PROT	% *	0.4	2.3		
GOATS DIG PROT	% *	0.3	1.4		
HORSES DIG PROT	% *	0.4	1.9		
RABBITS DIG PROT	% *	0.5	2.7		
SHEEP DIG PROT	% *	0.4	1.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.38	1.97		
SHEEP DE	MCAL/KG *	0.45	2.36		
CATTLE ME	MCAL/KG *	0.31	1.62		
SHEEP ME	MCAL/KG *	0.37	1.94		
CATTLE NE-M	MCAL/KG *	0.19	0.97		
CATTLE NE-GAIN	MCAL/KG *	0.01	0.05		
CATTLE NE-LACTATION	MCAL/KG *	0.16	0.83		
CATTLE TDN	% *	8.5	44.8		
SHEEP TDN	% *	10.2	53.6		
PENNISETUM GLAUCUM, VIGNA SINENSIS, PEARLMILLET-COWPEA, COMMON					
PENNISETUM GLAUCUM, VIGNA SINENSIS, HAY, S-C, LATE VEGETATIVE, (1)					
REF NO 1-11-932					
DRY MATTER	%	83.4	100.0		1
ORGANIC MATTER	%	74.7	89.6		1
ASH	%	8.7	10.4		1
SHEEP DIG COEF	%	32.	32.		
PROTEIN	%	10.1	12.1		1
SHEEP DIG COEF	%	60.	60.		1
CATTLE DIG PROT	% *	6.2	7.4		
GOATS DIG PROT	% *	6.5	7.8		
HORSES DIG PROT	% *	6.5	7.8		
RABBITS DIG PROT	% *	6.7	8.0		
SHEEP DIG PROT	%	6.1	7.3		
CELL WALLS (VAN SOEST)	%	59.0	70.8		1
FIBER, ACID DETERGENT (VS)	%	34.5	41.4		1
LIGNIN (VAN SOEST)	%	3.8	4.6		1
ENERGY GE	KCAL/KG	3645.	4370.		1
SHEEP GE DIG COEF	%	64.	64.		1
SHEEP DE	MCAL/KG	2.33	2.80		1
SHEEP ME	MCAL/KG *	1.91	2.29		
SHEEP TDN	% *	0.1	0.1		
PENNISETUM MEXICANUM, PENNISETUM, MEXICAN					
PENNISETUM MEXICANUM MEXICAN, HAY, S-C, (1)					
REF NO 1-11-882					
DRY MATTER	%	93.9	100.0		1
ORGANIC MATTER	%	77.2	82.2		
ASH	%	16.7	17.8		1
CRUDE FIBER	%	31.7	33.8		1
ETHER EXTRACT	%	2.8	3.0		1
NITROGEN FREE EXTRACT	%	33.8	36.0		1
PROTEIN	%	8.9	9.5		1
CATTLE DIG PROT	% *	4.8	5.1		
GOATS DIG PROT	% *	5.1	5.4		
HORSES DIG PROT	% *	5.2	5.6		
RABBITS DIG PROT	% *	5.6	6.0		
SHEEP DIG PROT	% *	4.8	5.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.82	1.94		
SHEEP DE	MCAL/KG *	1.87	1.99		
CATTLE ME	MCAL/KG *	1.49	1.59		
SHEEP ME	MCAL/KG *	1.53	1.63		
CATTLE NE-M	MCAL/KG *	0.90	0.96		
CATTLE NE-GAIN	MCAL/KG *	0.01	0.01		
CATTLE NE-LACTATION	MCAL/KG *	0.75	0.80		
CATTLE TDN	% *	41.3	44.0		
SHEEP TDN	% *	42.4	45.2		
CALCIUM	%	0.71	0.76		1
IRON	%	0.071	0.076		1
PHOSPHORUS	%	0.17	0.18		1
VITAMIN A EQUIV	IU/G	21.8	23.3		
PENNISETUM MEXICANUM MEXICAN, AERIAL PART, FRESH, (2)					
REF NO 2-11-879					
DRY MATTER	%	22.5	100.0	21	4
ORGANIC MATTER	%	19.6	87.2	26	4
ASH	%	2.9	12.8	26	4
CRUDE FIBER	%	8.9	39.5	11	4
ETHER EXTRACT	%	0.8	2.8	15	4
NITROGEN FREE EXTRACT	%	8.1	36.1	1	4
PROTEIN	%	2.0	8.7	25	4
CATTLE DIG PROT	% *	1.2	5.3		
GOATS DIG PROT	% *	1.1	4.7		
HORSES DIG PROT	% *	1.1	4.9		
RABBITS DIG PROT	% *	1.2	5.4		
SHEEP DIG PROT	% *	1.1	5.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.46	2.03		
SHEEP DE	MCAL/KG *	0.55	2.44		
CATTLE ME	MCAL/KG *	0.37	1.66		
SHEEP ME	MCAL/KG *	0.45	2.00		
CATTLE NE-M	MCAL/KG *	0.22	0.99		
CATTLE NE-GAIN	MCAL/KG *	0.02	0.10		
CATTLE NE-LACTATION	MCAL/KG *	0.20	0.87		
CATTLE TDN	% *	10.3	46.0		
SHEEP TDN	% *	12.5	55.4		
CALCIUM	%	0.01	0.06	43	4
IRON	%	0.001	0.003	98	4
PHOSPHORUS	%	0.03	0.14	39	4
VITAMIN A EQUIV	IU/G	4.5	20.2		
PENNISETUM MEXICANUM MEXICAN, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-17-626					
DRY MATTER	%	23.3	100.0	34	12
ORGANIC MATTER	%	20.4	87.7		
ASH	%	2.9	12.4	13	12
CRUDE FIBER	%	7.0	30.0	9	12
PROTEIN	%	1.7	7.2	24	12
CATTLE DIG PROT	% *	0.9	4.0		
GOATS DIG PROT	% *	0.8	3.3		
HORSES DIG PROT	% *	0.8	3.6		
RABBITS DIG PROT	% *	1.0	4.2		
SHEEP DIG PROT	% *	0.9	3.7		
PENNISETUM MEXICANUM MEXICAN, AERIAL PART, FRESH, CUT 4, (2)					
REF NO 2-11-880					
DRY MATTER	%	53.9	100.0		1
ORGANIC MATTER	%	49.3	91.5		1
ASH	%	4.6	8.5		1
CRUDE FIBER	%	24.8	45.9		1
ETHER EXTRACT	%	1.7	3.1		1
NITROGEN FREE EXTRACT	%	20.0	37.0		1
PROTEIN	%	2.9	5.5		1
CATTLE DIG PROT	% *	1.4	2.5		
GOATS DIG PROT	% *	0.9	1.7		
HORSES DIG PROT	% *	1.2	2.2		
RABBITS DIG PROT	% *	1.6	2.9		
SHEEP DIG PROT	% *	1.1	2.1		
CALCIUM	%	0.08	0.14		1
IRON	%	0.003	0.006		1
PHOSPHORUS	%	0.30	0.71		1
PENNISETUM PEDICELATUM					
PENNISETUM PEDICELATUM PEDICELATUM, AERIAL PART, FRESH, (2)					
REF NO 2-17-621					
DRY MATTER	%	13.8	100.0		1
ORGANIC MATTER	%	12.0	86.8		
ASH	%	1.8	13.2		1
CRUDE FIBER	%	4.2	30.5		1
ETHER EXTRACT	%	0.3	2.2		1
NITROGEN FREE EXTRACT	%	5.9	42.9		1
PROTEIN	%	1.5	11.1		1
CATTLE DIG PROT	% *	1.0	7.4		
GOATS DIG PROT	% *	1.0	6.9		
HORSES DIG PROT	% *	1.0	7.0		
RABBITS DIG PROT	% *	1.0	7.3		
SHEEP DIG PROT	% *	1.0	7.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.34	2.44		
SHEEP DE	MCAL/KG *	0.35	2.54		
CATTLE ME	MCAL/KG *	0.28	2.00		
SHEEP ME	MCAL/KG *	0.29	2.08		
CATTLE NE-M	MCAL/KG *	0.16	1.18		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.49		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *	0.16	1.19		
CATTLE		TDN % *	7.6	55.3		
SHEEP		TDN % *	7.9	57.5		

PENNISETUM PURPUREUM, NAPIERGRASS

PENNISETUM PURPUREUM, AERIAL PART, DEHY, (1)

REF NO 1-10-572

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.1	100.0	4	4
ORGANIC MATTER		%	78.5	86.2		3
ASH		%	12.6	13.8		3
CRUDE FIBER		%	30.4	33.3	13	4
ETHER EXTRACT		%	4.6	5.0	86	4
NITROGEN FREE EXTRACT		%	33.9	37.2		3
PROTEIN		%	9.7	10.7		3
CATTLE	DIG PROT	% *	5.6	6.2		
GOATS	DIG PROT	% *	5.9	6.5		
HORSES	DIG PROT	% *	6.0	6.6		
RABBITS	DIG PROT	% *	6.3	6.9		
SHEEP	DIG PROT	% *	5.6	6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.78	1.96		
SHEEP	DE	MCAL/KG *	1.88	2.07		
CATTLE	ME	MCAL/KG *	1.46	1.61		
SHEEP	ME	MCAL/KG *	1.54	1.69		
CATTLE	NE-M	MCAL/KG *	0.88	0.96		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.03		
CATTLE	NE-LACTATION	MCAL/KG *	0.74	0.81		
CATTLE		TDN % *	40.5	44.4		
SHEEP		TDN % *	42.7	46.9		
VITAMIN A EQUIV		IU/G	35.9	39.5		

PENNISETUM PURPUREUM, AERIAL PART, DEHY GRND, (1)

REF NO 1-10-573

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.8	100.0		3
ORGANIC MATTER		%	75.5	84.1		3
ASH		%	14.3	15.9		3
CRUDE FIBER		%	27.3	30.4		3
ETHER EXTRACT		%	5.6	6.2		3
NITROGEN FREE EXTRACT		%	27.7	30.8		3
PROTEIN		%	15.0	16.7		3
CATTLE	DIG PROT	% *	10.2	11.4		
GOATS	DIG PROT	% *	10.9	12.1		
HORSES	DIG PROT	% *	10.5	11.7		
RABBITS	DIG PROT	% *	10.4	11.5		
SHEEP	DIG PROT	% *	10.3	11.5		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.85	2.06		
SHEEP	ME	MCAL/KG *	1.52	1.69		
SHEEP		TDN % *	42.0	46.8		
CALCIUM		%	0.72	0.80		1
PHOSPHORUS		%	0.34	0.38		1
VITAMIN A EQUIV		IU/G	177.4	197.5		

PENNISETUM PURPUREUM, HAY, S-C, (1)

REF NO 1-08-462

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.8	100.0	2	22
ORGANIC MATTER		%	83.3	91.8	17	1
ASH		%	14.6	16.0	17	23
CRUDE FIBER		%	29.3	32.3	15	23
ETHER EXTRACT		%	1.8	1.9	39	23
NITROGEN FREE EXTRACT		%	31.4	34.6	16	22
PROTEIN		%	13.7	15.1	30	24
CATTLE	DIG PROT	% *	9.1	10.0		
GOATS	DIG PROT	% *	9.6	10.6		
HORSES	DIG PROT	% *	9.4	10.3		
RABBITS	DIG PROT	% *	9.3	10.3		
SHEEP	DIG PROT	% *	9.1	10.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.00	2.20		
SHEEP	DE	MCAL/KG *	2.03	2.23		
CATTLE	ME	MCAL/KG *	1.64	1.80		
SHEEP	ME	MCAL/KG *	1.66	1.83		
CATTLE	NE-M	MCAL/KG *	0.97	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.25	0.27		
CATTLE	NE-LACTATION	MCAL/KG *	0.91	1.00		
CATTLE		TDN % *	45.3	49.9		
SHEEP		TDN % *	45.9	50.6		
CALCIUM		%	0.73	0.81		1
PHOSPHORUS		%	0.12	0.13		1

PENNISETUM PURPUREUM, HAY, S-C, 1 TO 14 DAYS' GROWTH, (1)

REF NO 1-11-876

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	98.4	100.0		1
ORGANIC MATTER		%	90.1	91.6		
ASH		%	8.3	8.4		1
CRUDE FIBER		%	38.6	39.2		1
ETHER EXTRACT		%	2.8	2.8		1
NITROGEN FREE EXTRACT		%	40.5	41.2		1
PROTEIN		%	8.3	8.4		1
CATTLE	DIG PROT	% *	4.1	4.2		
GOATS	DIG PROT	% *	4.3	4.4		
HORSES	DIG PROT	% *	4.6	4.7		
RABBITS	DIG PROT	% *	5.1	5.2		
SHEEP	DIG PROT	% *	4.0	4.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.19	2.23		
HORSES	DE	MCAL/KG *	1.82	1.85		
SHEEP	DE	MCAL/KG *	2.17	2.21		
CATTLE	ME	MCAL/KG *	1.80	1.83		
HORSES	ME	MCAL/KG *	1.49	1.51		
SHEEP	ME	MCAL/KG *	1.78	1.81		
CATTLE	NE-M	MCAL/KG *	1.06	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.29	0.30		
CATTLE	NE-LACTATION	MCAL/KG *	1.01	1.02		
CATTLE		TDN % *	49.7	50.5		
HORSES		TDN % *	45.2	45.9		
SHEEP		TDN % *	49.3	50.1		
CALCIUM		%	0.15	0.15		1
PHOSPHORUS		%	0.09	0.09		1

PENNISETUM PURPUREUM, AERIAL PART, FRESH, (2)

REF NO 2-03-166

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	20.2	100.0	31	91
ORGANIC MATTER		%	17.4	86.0	28	16
ASH		%	2.8	13.8	28	98
CRUDE FIBER		%	6.5	32.1	22	98
ETHER EXTRACT		%	0.5	2.3	58	98
NITROGEN FREE EXTRACT		%	8.5	41.8	28	98
PROTEIN		%	2.0	10.0	46	98
CATTLE	DIG PROT	% *	1.3	6.4		
GOATS	DIG PROT	% *	1.2	5.9		
HORSES	DIG PROT	% *	1.2	6.0		
RABBITS	DIG PROT	% *	1.3	6.4		
SHEEP	DIG PROT	% *	1.3	6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.34		
SHEEP	DE	MCAL/KG *	0.50	2.48		
CATTLE	ME	MCAL/KG *	0.39	1.92		
SHEEP	ME	MCAL/KG *	0.41	2.04		
CATTLE	NE-M	MCAL/KG *	0.23	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.11		
CATTLE		TDN % *	10.7	53.1		
SHEEP		TDN % *	11.4	56.3		
CALCIUM		%	0.09	0.43	98	28
COBALT		MG/KG	0.184	0.907	3	6
COPPER		MG/KG	5.0	24.9		3
IRON		%	0.002	0.009	75	9
MAGNESIUM		%	0.06	0.28	60	5
MANGANESE		MG/KG	17.2	85.0		3
PHOSPHORUS		%	0.05	0.25	72	25
POTASSIUM		%	0.36	1.78	12	7
SODIUM		%	0.01	0.07		1
ZINC		MG/KG	6.6	32.8	10	6
NIACIN		MG/KG	2.1	10.4		1
RIBOFLAVIN		MG/KG				1
THIAMINE		MG/KG				1
VITAMIN A EQUIV		IU/G	4.3	21.1		
DM INTAKE, SHEEP		G/W 0.75	11.704	57.800		1

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-10-057

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	10.7	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	87.	87.		3
ORGANIC MATTER		%	8.7	81.8		3
ASH		%	1.9	18.2		3
CRUDE FIBER		%	2.7	25.2		3
ETHER EXTRACT		%	0.5	5.0		3
NITROGEN FREE EXTRACT		%	3.4	31.8		3
PROTEIN		%	2.1	19.8	6	6
CATTLE	DIG PROT	% *	1.6	14.7		
GOATS	DIG PROT	% *	1.6	15.0		
HORSES	DIG PROT	% *	1.5	14.3		
RABBITS	DIG PROT	% *	1.5	14.0		
SHEEP	DIG PROT	% *	1.6	15.4		
CELL CONTENTS (VAN SOEST)		%	6.2	58.3		2
CELL WALLS (VAN SOEST)		%	5.3	49.9	19	4
CELLULOSE (VAN SOEST)		%	2.4	22.8		3
FIBER> ACID DETERGENT (VS)		%	3.2	30.0	9	4

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HEMICELLULOSE	%	2.4	22.3		3
LIGNIN KMNO4 (VS)	%	0.3	2.8	24	4
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	0.30	2.79		
SHEEP	ME MCAL/KG *	0.24	2.29		
SHEEP	TDN % *	6.7	63.3		
ACID INSOLUBLE ASH (SILICA)	%	0.52	4.90	30	4

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-09-412

DRY MATTER	%	15.6	100.0	33	88
OM IN VITRO (TILLY) DIG COEF	%	74.	74.	24	6
ORGANIC MATTER	%	13.4	85.7	28	81
ASH	%	2.2	14.3	28	81
CRUDE FIBER	%	4.3	27.4	13	82
ETHER EXTRACT	%	0.6	4.0	27	84
CATTLE DIG COEF	%	79.	79.		1
NITROGEN FREE EXTRACT	%	6.2	40.0	15	81
PROTEIN	%	2.3	14.4	26	94
CATTLE DIG COEF	%	63.	63.		1
CATTLE DIG PHOT	%	1.4	9.1		
GOATS DIG PROT	% *	1.6	10.0		
HORSES DIG PROT	% *	1.5	9.8		
RABBITS DIG PROT	% *	1.5	9.8		
SHEEP DIG PROT	% *	1.6	10.4		
CELL CONTENTS (VAN SOEST)	%	8.0	51.5		2
CELL WALLS (VAN SOEST)	%	8.9	57.4	11	9
CELLULOSE (CRAMPTON)	%	5.1	32.8		1
CELLULOSE (VAN SOEST)	%	3.9	24.8	4	5
FIBER, ACID DETERGENT (VS)	%	5.1	32.9	6	6
HEMICELLULOSE	%	3.9	24.8	18	5
LIGNIN KMNO4 (VS)	%	0.4	2.7	26	6
ENERGY	GE KCAL/KG	631.	4044.		1
CATTLE	GE DIG COEF %	66.	66.		1
CATTLE	DE MCAL/KG	0.42	2.67		
SHEEP	DE MCAL/KG *	0.42	2.67		
CATTLE	ME MCAL/KG *	0.34	2.19		
SHEEP	ME MCAL/KG *	0.34	2.19		
CATTLE	NE-M MCAL/KG *	0.20	1.30		
CATTLE	NE-GAIN MCAL/KG *	0.11	0.68		
CATTLE	NE-LACTATION MCAL/KG *	0.21	1.37		
CATTLE	TDN % *	8.9	57.1		
SHEEP	TDN % *	9.4	60.5		
CALCIUM	%	0.05	0.30		1
COPPER	MG/KG	3.0	19.0		1
MAGNESIUM	%	0.02	0.14		1
MANGANESE	MG/KG	5.1	33.0		1
PHOSPHORUS	%	0.04	0.24		1
POTASSIUM	%	0.28	1.80		1
ACID INSOLUBLE ASH (SILICA)	%	0.88	5.63	9	6
SODIUM	%	0.00	0.01		1
ZINC	MG/KG	4.1	26.0		1
DM INTAKE, CATTLE % OF BODY WT		0.32	2.05		1

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-095

DRY MATTER	%	18.0	100.0	23	81
OM IN VITRO (TILLY) DIG COEF	%	76.	76.	11	6
ORGANIC MATTER	%	15.6	86.8	29	62
ASH	%	2.4	13.4	29	79
CRUDE FIBER	%	5.3	29.3	12	81
CATTLE DIG COEF	%	39.	39.	28	8
ETHER EXTRACT	%	0.6	3.6	27	81
NITROGEN FREE EXTRACT	%	7.8	43.6	14	79
CATTLE DIG COEF	%	38.	38.	16	8
PROTEIN	%	1.8	10.2	22	88
CATTLE DIG COEF	%	31.	31.	47	8
CATTLE DIG PROT	%	0.6	3.2		
GOATS DIG PROT	% *	1.1	6.1		
HORSES DIG PROT	% *	1.1	6.2		
RABBITS DIG PROT	% *	1.2	6.5		
SHEEP DIG PROT	% *	1.2	6.5		
CELL CONTENTS (VAN SOEST)	%	8.4	46.7		2
CELL WALLS (VAN SOEST)	%	10.5	58.4	9	7
CELLULOSE (VAN SOEST)	%	5.0	27.6	5	5
FIBER, ACID DETERGENT (VS)	%	6.6	36.7	6	6
HEMICELLULOSE	%	4.3	23.9	14	5
LIGNIN KMNO4 (VS)	%	0.5	3.0	23	6
ENERGY	GE KCAL/KG	739.	4116.	3	7
CATTLE	DE MCAL/KG *	0.27	1.49		
SHEEP	DE MCAL/KG *	0.46	2.57		
CATTLE	ME MCAL/KG *	0.22	1.22		
SHEEP	ME MCAL/KG *	0.38	2.11		
CATTLE	NE-M MCAL/KG *	0.14	0.79		
CATTLE	NE-GAIN MCAL/KG *	-0.09	-0.51		
CATTLE	NE-LACTATION MCAL/KG *	0.08	0.45		
CATTLE	TDN %	6.1	33.8	17	8
SHEEP	TDN % *	10.5	58.4		
CALCIUM	%	0.06	0.34	24	13
MAGNESIUM	%	0.05	0.30		1
PHOSPHORUS	%	0.08	0.45	21	12

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ACID INSOLUBLE ASH (SILICA)	%	1.19	6.65	12	6
DM INTAKE, CATTLE % OF BODY WT		0.40	2.25	29	8

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-076

DRY MATTER	%	16.5	100.0	18	39
OM IN VITRO (TILLY) DIG COEF	%	78.	78.	4	5
ORGANIC MATTER	%	13.9	84.3	15	27
ASH	%	2.5	15.0	15	39
CRUDE FIBER	%	5.4	32.7	10	40
CATTLE DIG COEF	%	47.	47.	19	6
ETHER EXTRACT	%	0.5	3.3	40	41
CATTLE DIG COEF	%	47.	47.		1
NITROGEN FREE EXTRACT	%	6.6	40.0	14	38
CATTLE DIG COEF	%	40.	40.	32	6
PROTEIN	%	1.5	9.0	23	47
CATTLE DIG COEF	%	39.	39.	33	6
CATTLE DIG PROT	%	0.6	3.6		
GOATS DIG PROT	% *	0.8	5.0		
HORSES DIG PROT	% *	0.9	5.2		
RABBITS DIG PROT	% *	0.9	5.6		
SHEEP DIG PROT	% *	0.9	5.4		
CELL CONTENTS (VAN SOEST)	%	7.2	43.8		2
CELL WALLS (VAN SOEST)	%	10.5	63.6	9	8
CELLULOSE (VAN SOEST)	%	4.7	28.7	5	5
FIBER, ACID DETERGENT (VS)	%	6.3	38.4	6	6
HEMICELLULOSE	%	4.3	26.0	10	5
LIGNIN KMNO4 (VS)	%	0.5	3.1	13	6
ENERGY	GE KCAL/KG	679.	4118.	3	6
CATTLE	GE DIG COEF %	53.	53.		1
CATTLE	DE MCAL/KG	0.36	2.18		
SHEEP	DE MCAL/KG *	0.41	2.47		
CATTLE	ME MCAL/KG *	0.30	1.79		
SHEEP	ME MCAL/KG *	0.33	2.02		
CATTLE	NE-M MCAL/KG *	0.17	1.06		
CATTLE	NE-GAIN MCAL/KG *	0.04	0.26		
CATTLE	NE-LACTATION MCAL/KG *	0.16	0.99		
CATTLE	TDN %	6.3	38.4	26	6
SHEEP	TDN % *	9.2	55.9		
CALCIUM	%	0.05	0.27	22	11
PHOSPHORUS	%	0.06	0.38	15	11
ACID INSOLUBLE ASH (SILICA)	%	1.19	7.20	8	6
DM INTAKE, CATTLE % OF BODY WT		0.41	2.49	20	12
DM INTAKE, SHEEP G/W 0.75		9.365	56.800		2

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-09-715

DRY MATTER	%	19.7	100.0	22	7
OM IN VITRO (TILLY) DIG COEF	%	75.	75.	5	6
ORGANIC MATTER	%	17.3	87.9		
ASH	%	2.4	12.1	22	7
CRUDE FIBER	%	6.1	30.9	14	8
ETHER EXTRACT	%	0.6	3.2		2
NITROGEN FREE EXTRACT	%	9.0	45.9		2
PROTEIN	%	1.5	7.8	24	14
CATTLE DIG PROT	% *	0.9	4.5		
GOATS DIG PROT	% *	0.8	3.9		
HORSES DIG PROT	% *	0.8	4.2		
RABBITS DIG PROT	% *	0.9	4.7		
SHEEP DIG PROT	% *	0.8	4.3		
CELL CONTENTS (VAN SOEST)	%	8.4	42.5		2
CELL WALLS (VAN SOEST)	%	12.9	65.5	12	6
CELLULOSE (CRAMPTON)	%	7.3	37.3		1
CELLULOSE (VAN SOEST)	%	6.0	30.4	6	5
FIBER, ACID DETERGENT (VS)	%	7.8	39.8	8	6
HEMICELLULOSE	%	5.4	27.5	13	5
LIGNIN KMNO4 (VS)	%	0.7	3.5	15	6
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.48	2.42		
SHEEP	DE MCAL/KG *	0.50	2.53		
CATTLE	ME MCAL/KG *	0.39	1.99		
SHEEP	ME MCAL/KG *	0.41	2.08		
CATTLE	NE-M MCAL/KG *	0.23	1.17		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.47		
CATTLE	NE-LACTATION MCAL/KG *	0.23	1.18		
CATTLE	TDN % *	10.8	54.9		
SHEEP	TDN % *	11.3	57.4		
ACID INSOLUBLE ASH (SILICA)	%	1.33	6.75	14	6
DM INTAKE, SHEEP G/W 0.75		12.470	63.300		3

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-10-091

DRY MATTER	%		100.0		
OM IN VITRO (TILLY) DIG COEF	%		73.	5	5
ETHER EXTRACT	%		2.9		2
CATTLE DIG COEF	%		58.		1
PROTEIN	%		6.8	14	7

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	DIG COEF	%		92.		1
CATTLE	DIG PROT	%		3.6		
GOATS	DIG PROT	% *		2.9		
HORSES	DIG PROT	% *		3.3		
RABBITS	DIG PROT	% *		4.0		
SHEEP	DIG PROT	% *		3.4		
CELL CONTENTS (VAN SOEST)		%		40.1		2
CELL WALLS (VAN SOEST)		%		68.9	10	8
CELLULOSE (VAN SOEST)		%		31.7	3	5
FIBER, ACID DETERGENT (VS)		%		41.5	6	6
HEMICELLULOSE		%		28.8	16	5
LIGNIN KMNO4 (VS)		%		3.6	17	6
ENERGY	GE	KCAL/KG		4115.		1
CATTLE	GE DIG COEF	%		53.		1
CATTLE	DE	MCAL/KG		2.18		
CATTLE	ME	MCAL/KG *		1.79		
CATTLE	NE-M	MCAL/KG *		1.06		
CATTLE	NE-GAIN	MCAL/KG *		0.26		
CATTLE	NE-LACTATION	MCAL/KG *		0.99		
ACID INSOLUBLE ASH (SILICA)		%		6.65	20	6
DM INTAKE, CATTLE	% OF BODY WT			1.93		1
DM INTAKE, SHEEP	G/W 0.75			70.033		3

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 85
TO 98 DAYS' GROWTH, (2)

REF NO 2-10-826

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.0	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	71.	71.		3
PROTEIN		%	1.4	5.5	22	6
CATTLE	DIG PROT	% *	0.6	2.6		
GOATS	DIG PROT	% *	0.4	1.7		
HORSES	DIG PROT	% *	0.5	2.2		
RABBITS	DIG PROT	% *	0.7	2.9		
SHEEP	DIG PROT	% *	0.5	2.1		
CELL CONTENTS (VAN SOEST)		%	9.3	37.2		2
CELL WALLS (VAN SOEST)		%	17.3	69.2	8	5
CELLULOSE (VAN SOEST)		%	8.1	32.4	4	4
FIBER, ACID DETERGENT (VS)		%	10.8	43.4	5	5
HEMICELLULOSE		%	6.7	26.7	16	4
LIGNIN (ELLIS)		%	2.8	11.1		1
LIGNIN KMNO4 (VS)		%	1.1	4.5	14	5
CALCIUM		%	0.06	0.23		1
MAGNESIUM		%	0.05	0.19		1
PHOSPHORUS		%	0.03	0.11		1
ACID INSOLUBLE ASH (SILICA)		%	1.70	6.78	13	5

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 99
TO 112 DAYS' GROWTH, (2)

REF NO 2-15-487

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		71.	9	5
PROTEIN		%		5.1	14	5
CATTLE	DIG PROT	% *		2.2		
GOATS	DIG PROT	% *		1.3		
HORSES	DIG PROT	% *		1.8		
RABBITS	DIG PROT	% *		2.6		
SHEEP	DIG PROT	% *		1.7		
CELL CONTENTS (VAN SOEST)		%		37.5		2
CELL WALLS (VAN SOEST)		%		70.8	9	6
CELLULOSE (VAN SOEST)		%		33.0	5	5
FIBER, ACID DETERGENT (VS)		%		43.7	5	6
HEMICELLULOSE		%		28.4	15	5
LIGNIN KMNO4 (VS)		%		4.8	10	6
ACID INSOLUBLE ASH (SILICA)		%		6.58	15	6

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 113
TO 126 DAYS' GROWTH, (2)

REF NO 2-10-081

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.0	100.0		3
ORGANIC MATTER		%	19.3	87.9		3
ASH		%	2.7	12.1		3
CRUDE FIBER		%	8.3	37.6		3
ETHER EXTRACT		%	0.8	3.8		3
NITROGEN FREE EXTRACT		%	8.8	39.8		3
PROTEIN		%	1.5	6.7		3
CATTLE	DIG PROT	% *	0.8	3.6		
GOATS	DIG PROT	% *	0.6	2.8		
HORSES	DIG PROT	% *	0.7	3.2		
RABBITS	DIG PROT	% *	0.8	3.8		
SHEEP	DIG PROT	% *	0.7	3.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.44	1.99		
SHEEP	DE	MCAL/KG *	0.54	2.43		
CATTLE	ME	MCAL/KG *	0.36	1.63		
SHEEP	ME	MCAL/KG *	0.44	2.00		
CATTLE	NE-M	MCAL/KG *	0.21	0.98		
CATTLE	NE-GAIN	MCAL/KG *	0.01	0.06		
CATTLE	NE-LACTATION	MCAL/KG *	0.18	0.84		
CATTLE		TDN % *	9.9	45.1		
SHEEP		TDN % *	12.1	55.2		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 141
TO 154 DAYS' GROWTH, (2)

REF NO 2-11-877

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	29.4	100.0		1
ORGANIC MATTER		%	26.4	89.9		
ASH		%	3.0	10.1		1
CRUDE FIBER		%	10.5	35.8		1
CATTLE	DIG COEF	%	68.	68.		1
ETHER EXTRACT		%	0.4	1.5		1
CATTLE	DIG COEF	%	44.	44.		1
NITROGEN FREE EXTRACT		%	15.2	51.8		1
CATTLE	DIG COEF	%	70.	70.		1
PROTEIN		%	0.2	0.8		1
CATTLE	DIG COEF	%	62.	62.		1
CATTLE	DIG PROT	%	0.1	0.5		
GOATS	DIG PROT	% *	-0.8	-2.7		
HORSES	DIG PROT	% *	-0.5	-1.8		
RABBITS	DIG PROT	% *	-0.2	-0.7		
SHEEP	DIG PROT	% *	-0.7	-2.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.81	2.76		
CATTLE	ME	MCAL/KG *	0.67	2.26		
CATTLE	NE-M	MCAL/KG *	0.40	1.35		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.75		
CATTLE	NE-LACTATION	MCAL/KG *	0.42	1.44		
CATTLE		TDN %	18.4	62.6		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 155
TO 168 DAYS' GROWTH, (2)

REF NO 2-10-083

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	25.8	100.0	22	4
DM IN VITRO (TILLY)	DIG COEF	%	58.	58.		2
ORGANIC MATTER		%	23.3	90.3	23	4
ASH		%	2.5	9.7	23	4
CRUDE FIBER		%	10.6	41.0	10	4
ETHER EXTRACT		%	0.7	2.6	37	4
NITROGEN FREE EXTRACT		%	10.8	41.8	2	4
PROTEIN		%	1.3	4.9	27	6
CATTLE	DIG PROT	% *	0.5	2.1		
GOATS	DIG PROT	% *	0.3	1.1		
HORSES	DIG PROT	% *	0.4	1.7		
RABBITS	DIG PROT	% *	0.6	2.5		
SHEEP	DIG PROT	% *	0.4	1.6		
CELL CONTENTS (VAN SOEST)		%	10.3	40.0		1
CELL WALLS (VAN SOEST)		%	18.2	70.7		3
CELLULOSE (VAN SOEST)		%	9.0	35.0		2
FIBER, ACID DETERGENT (VS)		%	11.7	45.8		3
HEMICELLULOSE		%	7.3	28.3		2
LIGNIN KMNO4 (VS)		%	1.6	6.2		3
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	1.84		
SHEEP	DE	MCAL/KG *	0.61	2.39		
CATTLE	ME	MCAL/KG *	0.39	1.51		
SHEEP	ME	MCAL/KG *	0.50	1.96		
CATTLE	NE-M	MCAL/KG *	0.24	0.92		
CATTLE	NE-GAIN	MCAL/KG *	-0.02	-0.09		
CATTLE	NE-LACTATION	MCAL/KG *	0.19	0.72		
CATTLE		TDN % *	10.8	41.8		
SHEEP		TDN % *	13.9	54.2		
ACID INSOLUBLE ASH (SILICA)		%	1.87	7.27		3

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 197
TO 210 DAYS' GROWTH, (2)

REF NO 2-15-489

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		53.		2
PROTEIN		%		4.0		2
CATTLE	DIG PROT	% *		1.3		
GOATS	DIG PROT	% *		0.3		
HORSES	DIG PROT	% *		0.9		
RABBITS	DIG PROT	% *		1.8		
SHEEP	DIG PROT	% *		0.7		
CELL CONTENTS (VAN SOEST)		%		32.3		1
CELL WALLS (VAN SOEST)		%		75.3		3
CELLULOSE (VAN SOEST)		%		36.4		2
FIBER, ACID DETERGENT (VS)		%		48.1		3
HEMICELLULOSE		%		29.9		2
LIGNIN KMNO4 (VS)		%		7.1		3
ACID INSOLUBLE ASH (SILICA)		%		6.20		3

PENNISETUM PURPUREUM, AERIAL PART, FRESH, 351
TO 364 DAYS' GROWTH, (2)

REF NO 2-11-876

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	38.3	100.0		1
ORGANIC MATTER		%	35.5	92.6		
ASH		%	2.8	7.4		1
CRUDE FIBER		%	14.2	37.2		1
CATTLE	DIG COEF	%	63.	63.		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ETHER EXTRACT		%	0.5	1.3		1
CATTLE	DIG COEF	%	49.	49.		1
NITROGEN FREE EXTRACT		%	20.5	53.4		1
CATTLE	DIG COEF	%	62.	62.		1
PROTEIN		%	0.3	0.7		1
CATTLE	DIG COEF	%	33.	33.		1
CATTLE	DIG PROT	%	0.1	0.2		
GOATS	DIG PROT	% *	-1.1	-2.8		
HORSES	DIG PROT	% *	-0.7	-1.9		
RABBITS	DIG PROT	% *	-0.3	-0.8		
SHEEP	DIG PROT	% *	-0.9	-2.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.98	2.57		
CATTLE	ME	MCAL/KG *	0.81	2.10		
CATTLE	NE-M	MCAL/KG *	0.48	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.23	0.60		
CATTLE	NE-LACTATION	MCAL/KG *	0.49	1.29		
CATTLE	TDN	%	22.3	58.2		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-03-157

DRY MATTER		%	24.9	100.0		1
ORGANIC MATTER		%	23.1	92.7		2
ASH		%	1.8	7.4		2
CRUDE FIBER		%	9.6	38.6		2
ETHER EXTRACT		%	0.7	2.9		2
NITROGEN FREE EXTRACT		%	11.3	45.2		2
PROTEIN		%	1.5	6.1		2
CATTLE	DIG PROT	% *	0.8	3.0		
GOATS	DIG PROT	% *	0.5	2.2		
HORSES	DIG PROT	% *	0.7	2.7		
RABBITS	DIG PROT	% *	0.8	3.3		
SHEEP	DIG PROT	% *	0.7	2.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.51	2.05		
SHEEP	DE	MCAL/KG *	0.62	2.47		
CATTLE	ME	MCAL/KG *	0.42	1.68		
SHEEP	ME	MCAL/KG *	0.51	2.03		
CATTLE	NE-M	MCAL/KG *	0.25	1.00		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.12		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	0.88		
CATTLE	TDN	% *	11.6	46.4		
SHEEP	TDN	% *	14.0	56.1		
CALCIUM		%	0.11	0.45		2
PHOSPHORUS		%	0.05	0.22		2

PENNISETUM PURPUREUM, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-11-627

DRY MATTER		%		100.0		
ORGANIC MATTER		%		84.3		
ASH		%		15.7		2
CRUDE FIBER		%		29.7		2
ETHER EXTRACT		%		1.9		2
NITROGEN FREE EXTRACT		%		36.6		2
PROTEIN		%		16.2		2
CATTLE	DIG PROT	% *		11.6		
GOATS	DIG PROT	% *		11.7		
HORSES	DIG PROT	% *		11.3		
RABBITS	DIG PROT	% *		11.2		
SHEEP	DIG PROT	% *		12.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.54		
SHEEP	DE	MCAL/KG *		2.51		
CATTLE	ME	MCAL/KG *		2.08		
SHEEP	ME	MCAL/KG *		2.06		
CATTLE	NE-M	MCAL/KG *		1.23		
CATTLE	NE-GAIN	MCAL/KG *		0.57		
CATTLE	NE-LACTATION	MCAL/KG *		1.27		
CATTLE	TDN	% *		57.6		
SHEEP	TDN	% *		57.0		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-11-628

DRY MATTER		%		100.0		
ORGANIC MATTER		%		85.0		
ASH		%		15.0		2
CRUDE FIBER		%		28.1		2
ETHER EXTRACT		%		1.4		2
NITROGEN FREE EXTRACT		%		40.8		2
PROTEIN		%		14.6		2
CATTLE	DIG PROT	% *		10.3		
GOATS	DIG PROT	% *		10.2		
HORSES	DIG PROT	% *		9.9		
RABBITS	DIG PROT	% *		9.9		
SHEEP	DIG PROT	% *		10.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.62		
SHEEP	DE	MCAL/KG *		2.52		
CATTLE	ME	MCAL/KG *		2.14		
SHEEP	ME	MCAL/KG *		2.07		
CATTLE	NE-M	MCAL/KG *		1.27		
CATTLE	NE-GAIN	MCAL/KG *		0.63		
CATTLE	NE-LACTATION	MCAL/KG *		1.33		
CATTLE	TDN	% *		59.3		
SHEEP	TDN	% *		57.1		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-03-158

DRY MATTER		%	21.3	100.0	15	6
ORGANIC MATTER		%	18.1	85.2		
ASH		%	3.1	14.8	24	6
CRUDE FIBER		%	6.2	29.0	7	5
ETHER EXTRACT		%	0.5	2.4	63	6
NITROGEN FREE EXTRACT		%	8.9	41.9	8	6
PROTEIN		%	2.5	11.9	12	5
CATTLE	DIG PROT	% *	1.7	8.0		
GOATS	DIG PROT	% *	1.6	7.7		
HORSES	DIG PROT	% *	1.6	7.6		
RABBITS	DIG PROT	% *	1.7	7.9		
SHEEP	DIG PROT	% *	1.7	8.1		
CELLULOSE (CRAMPTON)		%	7.2	34.1		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.51	2.42		
SHEEP	DE	MCAL/KG *	0.54	2.53		
CATTLE	ME	MCAL/KG *	0.42	1.98		
SHEEP	ME	MCAL/KG *	0.44	2.08		
CATTLE	NE-M	MCAL/KG *	0.25	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.17		
CATTLE	TDN	% *	11.7	54.9		
SHEEP	TDN	% *	12.2	57.5		
ALUMINUM		MG/KG	8.50	40.00		1
BORON		MG/KG	2.125	10.000		1
CALCIUM		%	0.08	0.38	17	6
COBALT		MG/KG	0.009	0.040		1
COPPER		MG/KG	5.6	26.6		2
IRON		%	0.019	0.090		2
MAGNESIUM		%	0.05	0.23		2
MANGANESE		MG/KG	6.9	32.6		2
MOLYBDENUM		MG/KG	0.26	1.24		2
PHOSPHORUS		%	0.10	0.45	46	5
POTASSIUM		%	0.71	3.33		1
ZINC		MG/KG	10.4	48.9		2

PENNISETUM PURPUREUM, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-03-159

DRY MATTER		%	14.2	100.0		1
ORGANIC MATTER		%	12.2	85.9		
ASH		%	2.0	14.1		1
CRUDE FIBER		%	5.4	38.0		1
ETHER EXTRACT		%	0.2	1.4		1
NITROGEN FREE EXTRACT		%	4.8	33.8		1
PROTEIN		%	1.8	12.7		1
CATTLE	DIG PROT	% *	1.2	8.7		
GOATS	DIG PROT	% *	1.2	8.4		
HORSES	DIG PROT	% *	1.2	8.3		
RABBITS	DIG PROT	% *	1.2	8.5		
SHEEP	DIG PROT	% *	1.3	8.8		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.34	2.41		
SHEEP	ME	MCAL/KG *	0.28	1.97		
SHEEP	TDN	% *	7.8	54.6		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-03-161

DRY MATTER		%	22.4	100.0		1
ORGANIC MATTER		%	19.6	87.4		
ASH		%	2.8	12.6		1
CRUDE FIBER		%	8.7	38.7		1
ETHER EXTRACT		%	0.2	0.9		1
NITROGEN FREE EXTRACT		%	9.5	42.2		1
PROTEIN		%	1.3	5.6		1
CATTLE	DIG PROT	% *	0.6	2.7		
GOATS	DIG PROT	% *	0.4	1.8		
HORSES	DIG PROT	% *	0.5	2.3		
RABBITS	DIG PROT	% *	0.7	3.0		
SHEEP	DIG PROT	% *	0.5	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.50		
SHEEP	DE	MCAL/KG *	0.51	2.26		
CATTLE	ME	MCAL/KG *	0.46	2.05		
SHEEP	ME	MCAL/KG *	0.42	1.85		
CATTLE	NE-M	MCAL/KG *	0.27	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.54		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.24		
CATTLE	TON % *	12.7	56.8		
SHEEP	TON % *	11.5	51.3		
CALCIUM	%	0.09	0.40		1
MAGNESIUM	%	0.02	0.09		1
PHOSPHORUS	%	0.07	0.32		1

PENNISETUM PURPUREUM, AERIAL PART, FRESH, FULL BLOOM, CUT 1, (2)

REF NO 2-11-626

DRY MATTER	%		100.0		
ORGANIC MATTER	%		85.9		
ASH	%		14.1		2
CRUDE FIBER	%		35.1		2
ETHER EXTRACT	%		0.9		2
NITROGEN FREE EXTRACT	%		43.2		2
PROTEIN	%		6.7		2
CATTLE DIG PROT	% *		3.6		
GOATS DIG PROT	% *		2.8		
HORSES DIG PROT	% *		3.2		
RABBITS DIG PROT	% *		3.9		
SHEEP DIG PROT	% *		3.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.58		
SHEEP DE	MCAL/KG *		2.30		
CATTLE ME	MCAL/KG *		2.12		
SHEEP ME	MCAL/KG *		1.88		
CATTLE NE-M	MCAL/KG *		1.25		
CATTLE NE-GAIN	MCAL/KG *		0.61		
CATTLE NE-LACTATION	MCAL/KG *		1.30		
CATTLE	TON % *		58.6		
SHEEP	TON % *		52.1		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-03-163

DRY MATTER	%	31.8	100.0	40	5
ORGANIC MATTER	%	29.5	92.8	41	5
ASH	%	2.3	7.2	41	5
CRUDE FIBER	%	10.2	32.2	10	5
ETHER EXTRACT	%	0.9	2.9	12	5
NITROGEN FREE EXTRACT	%	15.1	47.6	8	5
PROTEIN	%	3.2	10.2	29	5
CATTLE DIG PROT	% *	2.1	6.5		
GOATS DIG PROT	% *	1.9	6.0		
HORSES DIG PROT	% *	2.0	6.2		
RABBITS DIG PROT	% *	2.1	6.5		
SHEEP DIG PROT	% *	2.1	6.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.82	2.59		
SHEEP DE	MCAL/KG *	0.84	2.65		
CATTLE ME	MCAL/KG *	0.67	2.13		
SHEEP ME	MCAL/KG *	0.69	2.18		
CATTLE NE-M	MCAL/KG *	0.40	1.26		
CATTLE NE-GAIN	MCAL/KG *	0.20	0.62		
CATTLE NE-LACTATION	MCAL/KG *	0.42	1.31		
CATTLE	TON % *	18.7	58.8		
SHEEP	TON % *	19.1	60.2		
CALCIUM	%	0.11	0.34	14	5
PHOSPHORUS	%	0.03	0.11	35	5

PENNISETUM PURPUREUM, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-03-164

DRY MATTER	%	18.6	100.0		1
ORGANIC MATTER	%	16.3	87.7		
ASH	%	2.3	12.3	28	4
CRUDE FIBER	%	7.2	39.0	21	4
ETHER EXTRACT	%	0.6	3.1	31	4
NITROGEN FREE EXTRACT	%	6.7	36.0	23	4
PROTEIN	%	1.8	9.6	7	4
CATTLE DIG PROT	% *	1.1	6.0		
GOATS DIG PROT	% *	1.0	5.5		
HORSES DIG PROT	% *	1.1	5.7		
RABBITS DIG PROT	% *	1.1	6.1		
SHEEP DIG PROT	% *	1.1	5.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.38	2.02		
SHEEP DE	MCAL/KG *	0.46	2.49		
CATTLE ME	MCAL/KG *	0.31	1.66		
SHEEP ME	MCAL/KG *	0.38	2.04		
CATTLE NE-M	MCAL/KG *	0.18	0.99		
CATTLE NE-GAIN	MCAL/KG *	0.02	0.10		
CATTLE NE-LACTATION	MCAL/KG *	0.16	0.86		
CATTLE	TON % *	8.5	45.8		
SHEEP	TON % *	10.5	56.5		
CALCIUM	%	0.07	0.38		3
COBALT	MG/KG	0.059	0.318		3
COPPER	MG/KG	1.2	6.4		3
MANGANESE	MG/KG	13.5	72.5		3
MOLYBDENUM	MG/KG	0.02	0.11		3
PHOSPHORUS	%	0.12	0.63		3

PENNISETUM PURPUREUM, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)

REF NO 2-11-083

DRY MATTER	%	21.4	100.0	14	9
ORGANIC MATTER	%	19.4	90.7	13	9
ASH	%	2.0	9.3	13	9
CRUDE FIBER	%	5.9	27.3	7	9
ETHER EXTRACT	%	1.0	4.5	19	9
NITROGEN FREE EXTRACT	%	9.7	45.1	9	9
PROTEIN	%	3.0	13.9	22	9
CATTLE DIG PROT	% *	2.1	9.7		
GOATS DIG PROT	% *	2.0	9.5		
HORSES DIG PROT	% *	2.0	9.3		
RABBITS DIG PROT	% *	2.0	9.4		
SHEEP DIG PROT	% *	2.1	9.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.68	3.16		
SHEEP DE	MCAL/KG *	0.60	2.79		
CATTLE ME	MCAL/KG *	0.56	2.59		
SHEEP ME	MCAL/KG *	0.49	2.29		
CATTLE NE-M	MCAL/KG *	0.34	1.59		
CATTLE NE-GAIN	MCAL/KG *	0.22	1.02		
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.75		
CATTLE	TON % *	15.4	71.7		
SHEEP	TON % *	13.6	63.2		
CALCIUM	%	0.09	0.43	18	9
PHOSPHORUS	%	0.04	0.20	22	9

PENNISETUM PURPUREUM, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-10-432

DRY MATTER	%	13.2	100.0		1
ORGANIC MATTER	%	11.5	86.8		
ASH	%	1.7	13.2		1
CRUDE FIBER	%	4.7	35.5		1
ETHER EXTRACT	%	0.1	1.1		1
NITROGEN FREE EXTRACT	%	4.8	36.6		1
PROTEIN	%	1.8	13.6		1
CATTLE DIG PROT	% *	1.2	9.5		
GOATS DIG PROT	% *	1.2	9.2		
HORSES DIG PROT	% *	1.2	9.1		
RABBITS DIG PROT	% *	1.2	9.2		
SHEEP DIG PROT	% *	1.3	9.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.37	2.78		
SHEEP DE	MCAL/KG *	0.32	2.43		
CATTLE ME	MCAL/KG *	0.30	2.28		
SHEEP ME	MCAL/KG *	0.26	1.99		
CATTLE NE-M	MCAL/KG *	0.18	1.36		
CATTLE NE-GAIN	MCAL/KG *	0.10	0.76		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.46		
CATTLE	TON % *	8.3	63.2		
SHEEP	TON % *	7.3	55.1		

PENNISETUM PURPUREUM, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-875

DRY MATTER	%	44.1	100.0		1
ORGANIC MATTER	%	40.0	90.8		1
ASH	%	4.1	9.2		1
CRUDE FIBER	%	17.1	38.8		1
ETHER EXTRACT	%	1.3	3.0		1
NITROGEN FREE EXTRACT	%	20.3	45.9		1
PROTEIN	%	1.3	3.0		1
CATTLE DIG PROT	% *	0.2	0.5		
GOATS DIG PROT	% *	-0.3	-0.6		
HORSES DIG PROT	% *	0.0	0.1		
RABBITS DIG PROT	% *	0.4	1.0		
SHEEP DIG PROT	% *	-0.1	-0.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.83	1.87		
SHEEP DE	MCAL/KG *	1.05	2.37		
CATTLE ME	MCAL/KG *	0.68	1.53		
SHEEP ME	MCAL/KG *	0.86	1.95		
CATTLE NE-M	MCAL/KG *	0.41	0.93		
CATTLE NE-GAIN	MCAL/KG *	-0.03	-0.06		
CATTLE NE-LACTATION	MCAL/KG *	0.33	0.75		
CATTLE	TON % *	18.7	42.4		
SHEEP	TON % *	23.7	53.8		
CALCIUM	%	0.11	0.25		1
IRON	%	0.002	0.005		1
PHOSPHORUS	%	0.41	0.93		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH, CUT 7, (2)						
REF NO 2-09-701						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.8		
ASH		%		11.2		1
CRUDE FIBER		%		33.3		1
ETHER EXTRACT		%		4.0		1
NITROGEN FREE EXTRACT		%		41.7		1
PROTEIN		%		9.9		1
CATTLE	DIG PROT	% *		6.3		
GOATS	DIG PROT	% *		5.8		
HORSES	DIG PROT	% *		5.9		
RABBITS	DIG PROT	% *		6.3		
SHEEP	DIG PROT	% *		6.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.42		
SHEEP	DE MCAL/KG	*		2.56		
CATTLE	ME MCAL/KG	*		1.98		
SHEEP	ME MCAL/KG	*		2.10		
CATTLE	NE-M MCAL/KG	*		1.17		
CATTLE	NE-GAIN MCAL/KG	*		0.47		
CATTLE	NE-LACTATION MCAL/KG	*		1.17		
CATTLE	TDN	% *		54.8		
SHEEP	TDN	% *		58.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH CHOPPED FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-356						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.8		2
ASH		%		16.3		2
SHEEP	DIG COEF	%		33.		
CRUDE FIBER		%		36.1		2
SHEEP	DIG COEF	%		69.		2
ETHER EXTRACT		%		1.6		2
SHEEP	DIG COEF	%		65.		2
NITROGEN FREE EXTRACT		%		39.6		2
SHEEP	DIG COEF	%		72.		2
PROTEIN		%		6.5		2
SHEEP	DIG COEF	%		56.		2
CATTLE	DIG PROT	% *		3.4		
GOATS	DIG PROT	% *		2.6		
HORSES	DIG PROT	% *		3.0		
RABBITS	DIG PROT	% *		3.7		
SHEEP	DIG PROT	%		3.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.31		
SHEEP	DE MCAL/KG	*		2.61		
CATTLE	ME MCAL/KG	*		1.90		
SHEEP	ME MCAL/KG	*		2.14		
CATTLE	NE-M MCAL/KG	*		1.12		
CATTLE	NE-GAIN MCAL/KG	*		0.38		
CATTLE	NE-LACTATION MCAL/KG	*		1.09		
CATTLE	TDN	% *		52.4		
SHEEP	TDN	%		59.2		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH CHOPPED FERTILIZED, LATE VEGETATIVE, (2)						
REF NO 2-10-355						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.5		
ASH		%		16.5		3
CRUDE FIBER		%		32.7		3
ETHER EXTRACT		%		2.0		3
NITROGEN FREE EXTRACT		%		44.0		3
PROTEIN		%		4.8		3
CATTLE	DIG PROT	% *		2.0		
GOATS	DIG PROT	% *		1.1		
HORSES	DIG PROT	% *		1.6		
RABBITS	DIG PROT	% *		2.4		
SHEEP	DIG PROT	% *		1.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.18		
SHEEP	DE MCAL/KG	*		2.33		
CATTLE	ME MCAL/KG	*		1.79		
SHEEP	ME MCAL/KG	*		1.91		
CATTLE	NE-M MCAL/KG	*		1.06		
CATTLE	NE-GAIN MCAL/KG	*		0.25		
CATTLE	NE-LACTATION MCAL/KG	*		0.99		
CATTLE	TDN	% *		49.4		
SHEEP	TDN	% *		52.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH FERTILIZED, (2)						
REF NO 2-11-521						
DRY MATTER		%		100.0		
OM IN VITRO (TILLY)	DIG COEF	%		63.	11	24
PROTEIN		%		5.7	35	24
CATTLE	DIG PROT	% *		2.7		
GOATS	DIG PROT	% *		1.9		
HORSES	DIG PROT	% *		2.4		
RABBITS	DIG PROT	% *		3.1		
SHEEP	DIG PROT	% *		2.3		
CELL WALLS (VAN SOEST)		%		69.9	7	25
CELLULOSE (VAN SOEST)		%		31.1	19	24
FIBER, ACID DETERGENT (VS)		%		47.1	6	24
LIGNIN KMNO4 (VS)		%		8.4	13	24
SILICON		%		7.69	43	24

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH FERTILIZED, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-13-854						
DRY MATTER		%		100.0		
CRUDE FIBER		%		27.7	7	14
ETHER EXTRACT		%		25.5		2
PROTEIN		%		17.9	22	16
CATTLE	DIG PROT	% *		13.1		
GOATS	DIG PROT	% *		13.3		
HORSES	DIG PROT	% *		12.7		
RABBITS	DIG PROT	% *		12.5		
SHEEP	DIG PROT	% *		13.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH FERTILIZED, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-13-856						
DRY MATTER		%		100.0		
CRUDE FIBER		%		31.6	4	16
PROTEIN		%		13.7	10	16
CATTLE	DIG PROT	% *		9.5		
GOATS	DIG PROT	% *		9.3		
HORSES	DIG PROT	% *		9.1		
RABBITS	DIG PROT	% *		9.2		
SHEEP	DIG PROT	% *		9.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-268						
DRY MATTER		%	19.2	100.0	19	18
OM IN VITRO (TILLY)	DIG COEF	%	59.	59.		2
ORGANIC MATTER		%	16.7	86.9		
ASH		%	2.5	13.1	13	16
CRUDE FIBER		%	5.9	30.8	10	26
CATTLE	DIG COEF	%	61.	61.	11	8
ETHER EXTRACT		%	0.5	2.7	28	16
NITROGEN FREE EXTRACT		%	8.3	43.3	8	16
CATTLE	DIG COEF	%	53.	53.	17	8
PROTEIN		%	1.9	10.1	20	29
CATTLE	DIG COEF	%	54.	54.	31	8
CATTLE	DIG PROT	%	1.0	5.4		
GOATS	DIG PROT	% *	1.1	5.9		
HORSES	DIG PROT	% *	1.2	6.1		
RABBITS	DIG PROT	% *	1.2	6.4		
SHEEP	DIG PROT	% *	1.2	6.4		
ENERGY	GE KCAL/KG		781.	4057.	4	8
CATTLE	DE MCAL/KG	*	0.43	2.25		
SHEEP	DE MCAL/KG	*	0.49	2.54		
CATTLE	ME MCAL/KG	*	0.35	1.84		
SHEEP	ME MCAL/KG	*	0.40	2.08		
CATTLE	NE-M MCAL/KG	*	0.21	1.09		
CATTLE	NE-GAIN MCAL/KG	*	0.06	0.32		
CATTLE	NE-LACTATION MCAL/KG	*	0.20	1.04		
CATTLE	TDN	%	9.8	50.9	13	8
SHEEP	TDN	% *	11.1	57.5		
CALCIUM		%	0.04	0.23	20	4
PHOSPHORUS		%	0.07	0.37	8	4
DM INTAKE, CATTLE	% OF BODY WT		0.43	2.25	13	9

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, AERIAL PART, FRESH FERTILIZED, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-298						
DRY MATTER		%	16.6	100.0	12	18
ORGANIC MATTER		%	14.9	89.3		
ASH		%	1.8	10.7	14	18
CRUDE FIBER		%	5.5	33.0	10	33
CATTLE	DIG COEF	%	45.	45.	34	6
ETHER EXTRACT		%	0.5	3.1	25	12
NITROGEN FREE EXTRACT		%	7.5	45.1	6	12

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG COEF %	40.	40.	29	8
PROTEIN	%	1.3	8.1	39	33
CATTLE	DIG COEF %	57.	57.	12	6
CATTLE	DIG PROT %	0.8	4.6		
GOATS	DIG PROT % *	0.7	4.1		
HORSES	DIG PROT % *	0.7	4.6		
RABBITS	DIG PROT % *	0.8	4.9		
SHEEP	DIG PROT % *	0.8	4.8		
ENERGY	GE KCAL/KG	708.	4256.	6	6
CATTLE	DE KCAL/KG *	0.31	1.89		
SHEEP	DE KCAL/KG *	0.42	2.53		
CATTLE	ME KCAL/KG *	0.26	1.55		
SHEEP	ME KCAL/KG *	0.35	2.08		
CATTLE	NE-M KCAL/KG *	0.16	0.94		
CATTLE	NE-GAIN KCAL/KG *	-0.01	-0.06		
CATTLE	NE-LACTATION KCAL/KG *	0.13	0.78		
CATTLE	TDN %	7.1	42.8	21	6
SHEEP	TDN % *	9.6	57.6		
CALCIUM	%	0.34	0.24	31	12
PHOSPHORUS	%	0.04	0.24	16	12
DM INTAKE, CATTLE % OF BODY WT		0.37	2.21	25	12

PENNISETUM PURPUREUM, AERIAL PART, FRESH
FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-455

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.2	100.0	6	7
ORGANIC MATTER	%	19.6	84.8	22	8
ASH	%	2.9	12.4	22	7
CRUDE FIBER	%	8.3	35.9	6	22
ETHER EXTRACT	%	0.4	1.9	16	7
NITROGEN FREE EXTRACT	%	10.0	43.3	9	7
PROTEIN	%	1.5	6.5	21	25
CATTLE	DIG PROT % *	0.8	3.4		
GOATS	DIG PROT % *	0.6	2.6		
HORSES	DIG PROT % *	0.7	3.0		
RABBITS	DIG PROT % *	0.8	3.7		
SHEEP	DIG PROT % *	0.7	3.0		
LIGNIN (CELLS)	%	2.0	8.8		1
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	0.51	2.21		
SHEEP	DE KCAL/KG *	0.55	2.39		
CATTLE	ME KCAL/KG *	0.42	1.81		
SHEEP	ME KCAL/KG *	0.45	1.96		
CATTLE	NE-M KCAL/KG *	0.25	1.07		
CATTLE	NE-GAIN KCAL/KG *	0.07	0.28		
CATTLE	NE-LACTATION KCAL/KG *	0.23	1.01		
CATTLE	TDN % *	11.6	50.2		
SHEEP	TDN % *	12.6	54.2		
CALCIUM	%	0.11	0.47		3
MAGNESIUM	%	0.06	0.25		1
PHOSPHORUS	%	0.06	0.25		2
POTASSIUM	%	0.64	2.78		1

PENNISETUM PURPUREUM, AERIAL PART, FRESH
FERTILIZED, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-15-491

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.2	100.0		1
ORGANIC MATTER	%	18.6	87.9		
ASH	%	2.6	12.1		1
CRUDE FIBER	%	6.7	31.6		1
PROTEIN	%	0.9	4.2		1
CATTLE	DIG PROT % *	0.3	1.5		
GOATS	DIG PROT % *	0.1	0.5		
HORSES	DIG PROT % *	0.2	1.1		
RABBITS	DIG PROT % *	0.4	1.9		
SHEEP	DIG PROT % *	0.2	0.9		

PENNISETUM PURPUREUM, AERIAL PART, FRESH
FERTILIZED, MATURE, (2)

REF NO 2-10-825

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.2		
ASH	%		8.8		1
SHEEP	DIG COEF %		33.		1
CRUDE FIBER	%		35.6		1
SHEEP	DIG COEF %		58.		1
ETHER EXTRACT	%		3.1		1
SHEEP	DIG COEF %		64.		1
NITROGEN FREE EXTRACT	%		46.9		1
SHEEP	DIG COEF %		56.		1
PROTEIN	%		5.6		1
SHEEP	DIG COEF %		59.		1
CATTLE	DIG PROT % *		2.7		
GOATS	DIG PROT % *		1.8		
HORSES	DIG PROT % *		2.3		
RABBITS	DIG PROT % *		3.0		
SHEEP	DIG PROT %		3.3		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *		2.21		
SHEEP	DE KCAL/KG *		2.41		
CATTLE	ME KCAL/KG *		1.81		
SHEEP	ME KCAL/KG *		1.98		
CATTLE	NE-M KCAL/KG *		1.07		
CATTLE	NE-GAIN KCAL/KG *		0.28		
CATTLE	NE-LACTATION KCAL/KG *		1.01		
CATTLE	TDN % *		50.0		
SHEEP	TDN %		54.7		
CALCIUM	%		0.29		1
PHOSPHORUS	%		0.17		1

PENNISETUM PURPUREUM, LEAVES, FRESH, (2)

REF NO 2-03-187

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.1		
ASH	%		11.9		1
CRUDE FIBER	%		29.1		1
ETHER EXTRACT	%		2.2		1
NITROGEN FREE EXTRACT	%		44.2		1
PROTEIN	%		18.6		1
CATTLE	DIG PROT % *		6.9		
GOATS	DIG PROT % *		6.6		
HORSES	DIG PROT % *		6.5		
RABBITS	DIG PROT % *		6.8		
SHEEP	DIG PROT % *		6.9		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *		2.53		
SHEEP	DE KCAL/KG *		2.59		
CATTLE	ME KCAL/KG *		2.07		
SHEEP	ME KCAL/KG *		2.12		
CATTLE	NE-M KCAL/KG *		1.22		
CATTLE	NE-GAIN KCAL/KG *		0.56		
CATTLE	NE-LACTATION KCAL/KG *		1.26		
CATTLE	TDN % *		57.6		
SHEEP	TDN % *		58.8		
CALCIUM	%		0.39		1
PHOSPHORUS	%		0.31		1

PENNISETUM PURPUREUM, LEAVES, FRESH, 30 TO 42
DAYS' GROWTH, (2)

REF NO 2-11-069

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.5	100.0	11	8
ORGANIC MATTER	%	18.6	86.3		
ASH	%	3.0	13.8	8	8
CRUDE FIBER	%	5.6	25.8	8	8
ETHER EXTRACT	%	0.7	3.3	6	8
NITROGEN FREE EXTRACT	%	10.2	47.4	5	8
PROTEIN	%	2.1	9.8	15	8
CATTLE	DIG PROT % *	1.3	6.2		
GOATS	DIG PROT % *	1.2	5.7		
HORSES	DIG PROT % *	1.3	5.8		
RABBITS	DIG PROT % *	1.3	6.2		
SHEEP	DIG PROT % *	1.3	6.1		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	0.56	2.69		
SHEEP	DE KCAL/KG *	0.56	2.62		
CATTLE	ME KCAL/KG *	0.46	2.21		
SHEEP	ME KCAL/KG *	0.46	2.15		
CATTLE	NE-M KCAL/KG *	0.28	1.31		
CATTLE	NE-GAIN KCAL/KG *	0.15	0.69		
CATTLE	NE-LACTATION KCAL/KG *	0.30	1.39		
CATTLE	TDN % *	13.1	61.0		
SHEEP	TDN % *	12.8	59.5		
CALCIUM	%	0.08	0.38	16	12
PHOSPHORUS	%	0.09	0.41	16	12

PENNISETUM PURPUREUM, LEAVES, FRESH, 43 TO 56
DAYS' GROWTH, (2)

REF NO 2-11-075

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.0	100.0	8	6
ORGANIC MATTER	%	20.0	87.0		
ASH	%	3.0	13.1	8	8
CRUDE FIBER	%	6.2	27.0	7	6
ETHER EXTRACT	%	0.7	3.1	3	6
NITROGEN FREE EXTRACT	%	11.1	48.4	2	6
PROTEIN	%	2.0	8.5	8	6
CATTLE	DIG PROT % *	1.2	5.1		
GOATS	DIG PROT % *	1.0	4.5		
HORSES	DIG PROT % *	1.1	4.8		
RABBITS	DIG PROT % *	1.2	5.3		
SHEEP	DIG PROT % *	1.1	4.9		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	0.60	2.63		
SHEEP	DE KCAL/KG *	0.60	2.60		
CATTLE	ME KCAL/KG *	0.50	2.18		
SHEEP	ME KCAL/KG *	0.49	2.13		
CATTLE	NE-M KCAL/KG *	0.29	1.28		
CATTLE	NE-GAIN KCAL/KG *	0.15	0.65		
CATTLE	NE-LACTATION KCAL/KG *	0.31	1.34		
CATTLE	TDN % *	13.7	59.7		
SHEEP	TDN % *	13.5	59.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CALCIUM	%	0.08	0.36	18	12
PHOSPHORUS	%	0.08	0.35	13	12

PENNISETUM PURPUREUM, LEAVES, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-434

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.2	100.0		1
ORGANIC MATTER	%	23.6	86.7		1
ASH	%	3.6	13.0		1
CRUDE FIBER	%	8.2	30.2		1
ETHER EXTRACT	%	0.5	1.7		1
NITROGEN FREE EXTRACT	%	13.1	48.3		1
PROTEIN	%	1.6	6.0		1
CATTLE DIG PROT	% *	0.6	3.0		
GOATS DIG PROT	% *	0.6	2.2		
HORSES DIG PROT	% *	0.7	2.6		
RABBITS DIG PROT	% *	0.9	3.3		
SHEEP DIG PROT	% *	0.7	2.6		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	0.65	2.39		
SHEEP DE KCAL/KG	*	0.67	2.65		
CATTLE ME KCAL/KG	*	0.53	1.96		
SHEEP ME KCAL/KG	*	0.55	2.01		
CATTLE NE-M KCAL/KG	*	0.31	1.15		
CATTLE NE-GAIN KCAL/KG	*	0.12	0.45		
CATTLE NE-LACTATION KCAL/KG	*	0.31	1.15		
CATTLE TDN %	*	14.7	54.2		
SHEEP TDN %	*	15.1	55.6		
CALCIUM	%	0.20	0.72		1
PHOSPHORUS	%	0.04	0.16		1

PENNISETUM PURPUREUM, LEAVES, FRESH
FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-277

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.0	100.0	13	8
ORGANIC MATTER	%	17.4	60.7		
ASH	%	3.7	13.3	22	14
CRUDE FIBER	%	5.9	20.2	12	14
ETHER EXTRACT	%	0.6	2.0	24	14
NITROGEN FREE EXTRACT	%	6.3	21.7	8	14
PROTEIN	%	2.5	12.6	27	14
CATTLE DIG PROT	% *	1.8	8.8		
GOATS DIG PROT	% *	1.7	6.5		
HORSES DIG PROT	% *	1.7	6.4		
RABBITS DIG PROT	% *	1.7	6.6		
SHEEP DIG PROT	% *	1.8	6.9		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	0.49	2.66		
SHEEP DE KCAL/KG	*	0.52	2.80		
CATTLE ME KCAL/KG	*	0.40	2.02		
SHEEP ME KCAL/KG	*	0.43	2.13		
CATTLE NE-M KCAL/KG	*	0.24	1.19		
CATTLE NE-GAIN KCAL/KG	*	0.10	0.51		
CATTLE NE-LACTATION KCAL/KG	*	0.24	1.21		
CATTLE TDN %	*	11.2	55.9		
SHEEP TDN %	*	11.8	59.0		
CALCIUM	%	0.07	0.37	11	12
PHOSPHORUS	%	0.07	0.36	8	12

PENNISETUM PURPUREUM, LEAVES, FRESH
FERTILIZED, 42 TO 56 DAYS' GROWTH, (2)

REF NO 2-10-292

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.9	100.0	6	8
ORGANIC MATTER	%	19.5	89.1		
ASH	%	2.4	10.9	8	8
CRUDE FIBER	%	6.3	28.8	6	8
ETHER EXTRACT	%	0.8	3.6	13	8
NITROGEN FREE EXTRACT	%	9.8	45.0	4	8
PROTEIN	%	2.6	11.9	5	8
CATTLE DIG PROT	% *	1.7	8.0		
GOATS DIG PROT	% *	1.7	7.6		
HORSES DIG PROT	% *	1.7	7.6		
RABBITS DIG PROT	% *	1.7	7.8		
SHEEP DIG PROT	% *	1.8	8.0		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	0.60	2.73		
SHEEP DE KCAL/KG	*	0.58	3.67		
CATTLE ME KCAL/KG	*	0.49	2.24		
SHEEP ME KCAL/KG	*	0.48	2.19		
CATTLE NE-M KCAL/KG	*	0.29	1.33		
CATTLE NE-GAIN KCAL/KG	*	0.16	0.72		
CATTLE NE-LACTATION KCAL/KG	*	0.31	1.42		
CATTLE TDN %	*	13.5	61.9		
SHEEP TDN %	*	13.3	60.6		
CALCIUM	%	0.07	0.33	19	12
MAGNESIUM	%	0.07	0.30		1
PHOSPHORUS	%	0.05	0.25	16	11

PENNISETUM PURPUREUM, LEAVES, FRESH
FERTILIZED, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-567

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.0	100.0	18	22
ORGANIC MATTER	%	24.1	86.9	8	21
ASH	%	3.7	13.1	8	22
CRUDE FIBER	%	8.5	30.3	7	21
ETHER EXTRACT	%	0.5	1.9	17	22
NITROGEN FREE EXTRACT	%	13.1	47.0	5	22
PROTEIN	%	2.2	7.7	22	23
CATTLE DIG PROT	% *	1.2	4.4		
GOATS DIG PROT	% *	1.0	3.8		
HORSES DIG PROT	% *	1.1	4.1		
RABBITS DIG PROT	% *	1.2	4.6		
SHEEP DIG PROT	% *	1.2	4.2		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	0.60	2.42		
SHEEP DE KCAL/KG	*	0.70	2.49		
CATTLE ME KCAL/KG	*	0.55	1.98		
SHEEP ME KCAL/KG	*	0.57	2.04		
CATTLE NE-M KCAL/KG	*	0.33	1.17		
CATTLE NE-GAIN KCAL/KG	*	0.13	0.47		
CATTLE NE-LACTATION KCAL/KG	*	0.33	1.17		
CATTLE TDN %	*	15.3	54.8		
SHEEP TDN %	*	15.6	56.5		
CALCIUM	%	0.11	0.39	63	22
PHOSPHORUS	%	0.04	0.13	17	22

PENNISETUM PURPUREUM, STEMS, FRESH FERTILIZED,
57 TO 70 DAYS' GROWTH, (2)

REF NO 2-10-362

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.9	100.0	25	25
ORGANIC MATTER	%	15.2	89.9	19	23
ASH	%	1.7	10.1	19	23
CRUDE FIBER	%	5.5	32.6	9	22
ETHER EXTRACT	%	0.2	1.1	12	23
NITROGEN FREE EXTRACT	%	8.9	52.6	7	23
PROTEIN	%	0.6	3.6	66	23
CATTLE DIG PROT	% *	0.2	0.9		
GOATS DIG PROT	% *	-0.0	-0.1		
HORSES DIG PROT	% *	0.1	0.6		
RABBITS DIG PROT	% *	0.2	1.4		
SHEEP DIG PROT	% *	0.1	0.3		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	0.40	2.37		
SHEEP DE KCAL/KG	*	0.41	2.43		
CATTLE ME KCAL/KG	*	0.33	1.96		
SHEEP ME KCAL/KG	*	0.34	1.99		
CATTLE NE-M KCAL/KG	*	0.19	1.14		
CATTLE NE-GAIN KCAL/KG	*	0.07	0.43		
CATTLE NE-LACTATION KCAL/KG	*	0.19	1.14		
CATTLE TDN %	*	9.1	53.7		
SHEEP TDN %	*	9.3	55.0		
CALCIUM	%	0.02	0.13	96	23
PHOSPHORUS	%	0.03	0.17	26	23

PENNISETUM PURPUREUM, AERIAL PART, ENSILED,
(3)

REF NO 3-03-170

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.9	100.0	45	16
ORGANIC MATTER	%	25.1	86.9	23	1
ASH	%	3.8	13.1	23	17
CRUDE FIBER	%	10.8	36.6	16	16
ETHER EXTRACT	%	0.9	3.2	36	17
NITROGEN FREE EXTRACT	%	12.4	42.8	11	16
PROTEIN	%	1.7	5.9	30	21
CATTLE DIG PROT	% *	0.4	1.6		
GOATS DIG PROT	% *	0.4	1.6		
HORSES DIG PROT	% *	0.4	1.6		
SHEEP DIG PROT	% *	0.4	1.6		
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG	*	0.66	2.29		
CATTLE ME KCAL/KG	*	0.54	1.88		
CATTLE NE-M KCAL/KG	*	0.32	1.11		
CATTLE NE-GAIN KCAL/KG	*	0.10	0.36		
CATTLE NE-LACTATION KCAL/KG	*	0.31	1.07		
CATTLE TDN %	*	15.0	52.0		
CALCIUM	%	0.16	0.56		1
PHOSPHORUS	%	0.23	0.81		1

PENNISETUM PURPUREUM, DWARF, NAPIERGRASS

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, (2)					
REF NO 2-11-330					
DRY MATTER	%	31.0	100.0		1
ORGANIC MATTER	%	28.5	89.5		1
ASH	%	3.3	10.5		1
CRUDE FIBER	%	13.2	41.6		1
ETHER EXTRACT	%	0.8	2.6		1
NITROGEN FREE EXTRACT	%	12.3	38.7		1
PROTEIN	%	2.1	6.6		1
CATTLE DIG PROT	% •	1.1	3.5		
GOATS DIG PROT	% •	0.9	2.7		
HORSES DIG PROT	% •	1.0	3.1		
RABBITS DIG PROT	% •	1.2	3.8		
SHEEP DIG PROT	% •	1.0	3.1		
ENERGY	GE KCAL/KG				
CATTLE DE KCAL/KG	•	0.61	1.92		
SHEEP DE KCAL/KG	•	0.77	2.41		
CATTLE ME KCAL/KG	•	0.50	1.58		
SHEEP ME KCAL/KG	•	0.63	1.98		
CATTLE NE-M KCAL/KG	•	0.30	0.95		
CATTLE NE-GAIN KCAL/KG	•	-0.00	-0.01		
CATTLE NE-LACTATION KCAL/KG	•	0.25	0.79		
CATTLE TDN	% •	13.9	43.6		
SHEEP TDN	% •	17.6	56.7		
CALCIUM	%	0.01	0.04		1
IRON	%	0.001	0.002		1
PHOSPHORUS	%	0.03	0.10		1
VITAMIN A EQUIV	IU/G	3.2	9.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-09-435					
DRY MATTER	%	13.6	100.0	16	11
ORGANIC MATTER	%	11.8	88.6	11	11
ASH	%	2.3	17.6	11	11
CRUDE FIBER	%	4.1	30.5	18	11
ETHER EXTRACT	%	0.5	3.6	10	11
NITROGEN FREE EXTRACT	%	4.7	35.1	15	11
PROTEIN	%	1.8	13.3	18	11
CATTLE DIG PROT	% •	1.2	9.2		
GOATS DIG PROT	% •	1.2	9.0		
HORSES DIG PROT	% •	1.2	8.9		
RABBITS DIG PROT	% •	1.2	9.0		
SHEEP DIG PROT	% •	1.3	9.6		
ENERGY	GE KCAL/KG				
CATTLE DE KCAL/KG	•	0.24	2.69		
SHEEP DE KCAL/KG	•	0.34	2.53		
CATTLE ME KCAL/KG	•	0.23	1.71		
SHEEP ME KCAL/KG	•	0.24	2.07		
CATTLE NE-M KCAL/KG	•	0.14	1.02		
CATTLE NE-GAIN KCAL/KG	•	0.02	0.17		
CATTLE NE-LACTATION KCAL/KG	•	0.12	0.92		
CATTLE TDN	% •	6.3	47.4		
SHEEP TDN	% •	7.7	57.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)					
REF NO 2-11-607					
DRY MATTER	%	15.7	100.0	10	6
ORGANIC MATTER	%	13.2	84.1	12	6
ASH	%	2.5	15.9	28	6
CRUDE FIBER	%	5.0	32.0	11	6
ETHER EXTRACT	%	0.6	3.6	28	6
NITROGEN FREE EXTRACT	%	6.1	39.0	18	6
PROTEIN	%	1.5	9.5	17	6
CATTLE DIG PROT	% •	0.9	5.9		
GOATS DIG PROT	% •	0.8	5.4		
HORSES DIG PROT	% •	0.9	5.6		
RABBITS DIG PROT	% •	0.9	6.0		
SHEEP DIG PROT	% •	0.9	5.8		
ENERGY	GE KCAL/KG				
CATTLE DE KCAL/KG	•	0.33	2.13		
SHEEP DE KCAL/KG	•	0.39	2.47		
CATTLE ME KCAL/KG	•	0.27	1.75		
SHEEP ME KCAL/KG	•	0.32	2.03		
CATTLE NE-M KCAL/KG	•	0.16	1.06		
CATTLE NE-GAIN KCAL/KG	•	0.03	0.21		
CATTLE NE-LACTATION KCAL/KG	•	0.15	0.95		
CATTLE TDN	% •	7.6	48.3		
SHEEP TDN	% •	8.8	55.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)					
REF NO 2-11-614					
DRY MATTER	%	18.0	100.0	19	8
ORGANIC MATTER	%	15.2	84.4	22	8
ASH	%	2.8	15.5	22	8
CRUDE FIBER	%	6.6	36.9	5	8
ETHER EXTRACT	%	0.6	3.1	47	8
NITROGEN FREE EXTRACT	%	6.6	36.7	15	8
PROTEIN	%	1.4	7.8	22	8
CATTLE DIG PROT	% •	0.8	4.5		
GOATS DIG PROT	% •	0.7	3.8		
HORSES DIG PROT	% •	0.7	4.1		
RABBITS DIG PROT	% •	0.8	4.7		
SHEEP DIG PROT	% •	0.8	4.2		
ENERGY	GE KCAL/KG				
CATTLE DE KCAL/KG	•	0.35	1.94		
SHEEP DE KCAL/KG	•	0.43	2.40		
CATTLE ME KCAL/KG	•	0.29	1.59		
SHEEP ME KCAL/KG	•	0.35	1.97		
CATTLE NE-M KCAL/KG	•	0.17	0.96		
CATTLE NE-GAIN KCAL/KG	•	0.00	0.01		
CATTLE NE-LACTATION KCAL/KG	•	0.14	0.80		
CATTLE TDN	% •	7.9	44.0		
SHEEP TDN	% •	9.8	54.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-15-500					
DRY MATTER	%	20.9	100.0	28	8
ORGANIC MATTER	%	18.3	87.5		
ASH	%	2.6	12.4	14	8
CRUDE FIBER	%	6.7	32.0	10	8
PROTEIN	%	1.0	4.4	27	8
CATTLE DIG PROT	% •	0.7	3.4		
GOATS DIG PROT	% •	0.5	2.4		
HORSES DIG PROT	% •	0.6	3.0		
RABBITS DIG PROT	% •	0.8	3.6		
SHEEP DIG PROT	% •	0.6	3.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, 155 TO 168 DAYS' GROWTH, (2)					
REF NO 2-11-620					
DRY MATTER	%	15.0	100.0		1
ORGANIC MATTER	%	13.5	89.8		1
ASH	%	1.5	10.2		1
CRUDE FIBER	%	4.6	30.6		1
ETHER EXTRACT	%	0.4	2.7		1
NITROGEN FREE EXTRACT	%	6.8	45.1		1
PROTEIN	%	1.7	11.2		1
CATTLE DIG PROT	% •	1.1	7.4		
GOATS DIG PROT	% •	1.1	7.6		
HORSES DIG PROT	% •	1.1	7.1		
RABBITS DIG PROT	% •	1.1	7.3		
SHEEP DIG PROT	% •	1.1	7.4		
ENERGY	GE KCAL/KG				
CATTLE DE KCAL/KG	•	0.36	2.53		
SHEEP DE KCAL/KG	•	0.39	2.62		
CATTLE ME KCAL/KG	•	0.31	2.08		
SHEEP ME KCAL/KG	•	0.32	2.15		
CATTLE NE-M KCAL/KG	•	0.18	1.23		
CATTLE NE-GAIN KCAL/KG	•	0.09	0.57		
CATTLE NE-LACTATION KCAL/KG	•	0.19	1.26		
CATTLE TDN	% •	8.6	57.5		
SHEEP TDN	% •	8.9	59.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)					
REF NO 2-10-827					
DRY MATTER	%	22.0	100.0		1
ORGANIC MATTER	%	20.6	93.8		
ASH	%	1.4	6.2		1
CRUDE FIBER	%	7.9	35.7		1
ETHER EXTRACT	%	0.6	2.9		1
NITROGEN FREE EXTRACT	%	9.8	44.6		1
PROTEIN	%	2.3	10.6		1
CATTLE DIG PROT	% •	1.5	6.9		
GOATS DIG PROT	% •	1.4	6.4		
HORSES DIG PROT	% •	1.4	6.5		
RABBITS DIG PROT	% •	1.5	6.9		
SHEEP DIG PROT	% •	1.5	6.9		
ENERGY	GE KCAL/KG				
CATTLE DE KCAL/KG	•	0.53	2.42		
SHEEP DE KCAL/KG	•	0.58	2.63		
CATTLE ME KCAL/KG	•	0.44	1.98		
SHEEP ME KCAL/KG	•	0.47	2.15		
CATTLE NE-M KCAL/KG	•	0.26	1.17		
CATTLE NE-GAIN KCAL/KG	•	0.10	0.47		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.17		
CATTLE		TDN % *	12.1	54.8		
SHEEP		TDN % *	13.1	59.6		

PENNISETUM PURPUREUM, DWARF, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-318

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	94.7	100.0		1
ORGANIC MATT .		%	30.9	89.0		1
ASH		%	3.8	11.0		1
CRUDE FIBER		%	14.6	41.9		1
ETHER EXTRACT		%	1.1	3.2		1
NITROGEN FREE EXTRACT		%	14.1	40.5		1
PROTEIN		%	1.2	3.4		1
CATTLE	DIG PROT	% *	0.3	0.8		
GOATS	DIG PROT	% *	-0.1	-0.3		
HORSES	DIG PROT	% *	0.1	0.4		
RABBITS	DIG PROT	% *	0.4	1.3		
SHEEP	DIG PROT	% *	0.1	0.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	1.65		
SHEEP	DE	MCAL/KG *	0.81	2.38		
CATTLE	ME	MCAL/KG *	0.47	1.35		
SHEEP	ME	MCAL/KG *	0.67	1.92		
CATTLE	NE-M	MCAL/KG *	0.29	0.85		
CATTLE	NE-GAIN	MCAL/KG *	-0.11	-0.32		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	0.57		
CATTLE		TDN % *	13.0	37.3		
SHEEP		TDN % *	18.4	53.1		
CALCIUM		%	0.10	0.30		1
IRON		%	0.002	0.007		1
PHOSPHORUS		%	0.10	0.27		1

PENNISETUM PURPUREUM, DWARF, LEAVES, FRESH FERTILIZED, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-15-499

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.2	100.0		1
ORGANIC MATTER		%	18.9	89.1		
ASH		%	2.3	10.9		1
CRUDE FIBER		%	8.0	37.7		1
PROTEIN		%	1.1	5.1		1
CATTLE	DIG PROT	% *	0.5	2.3		
GOATS	DIG PROT	% *	0.3	1.3		
HORSES	DIG PROT	% *	0.4	1.9		
RABBITS	DIG PROT	% *	0.6	2.6		
SHEEP	DIG PROT	% *	0.4	1.7		

PENNISETUM PURPUREUM, MERKERON, NAPIERGRASS

PENNISETUM PURPUREUM, MERKERON, LEAVES, 5-C, (1)

REF NO 1-13-419

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.8	100.0		5
ORGANIC MATTER		%	72.7	79.2		
ASH		%	19.1	20.8	16	5
CRUDE FIBER		%	27.5	30.0	9	5
ETHER EXTRACT		%	1.6	1.8	22	5
NITROGEN FREE EXTRACT		%	36.8	40.1	9	5
PROTEIN		%	6.8	7.4	16	5
CATTLE	DIG PROT	% *	3.0	3.3		
GOATS	DIG PROT	% *	3.1	3.4		
HORSES	DIG PROT	% *	3.5	3.8		
RABBITS	DIG PROT	% *	4.0	4.4		
SHEEP	DIG PROT	% *	2.9	3.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.80	1.97		
HORSES	DE	MCAL/KG *	1.69	1.84		
SHEEP	DE	MCAL/KG *	1.82	1.98		
CATTLE	ME	MCAL/KG *	1.46	1.61		
HORSES	ME	MCAL/KG *	1.38	1.51		
SHEEP	ME	MCAL/KG *	1.49	1.63		
CATTLE	NE-M	MCAL/KG *	0.89	0.97		
CATTLE	NE-GAIN	MCAL/KG *	0.04	0.04		
CATTLE	NE-LACTATION	MCAL/KG *	0.75	0.82		
CATTLE		TDN % *	40.9	44.6		
HORSES		TDN % *	41.9	45.7		
SHEEP		TDN % *	41.3	45.0		
CALCIUM		%	0.24	0.26	48	5
PHOSPHORUS		%	0.30	0.33	32	5

PENNISETUM PURPUREUM, MERKERON, LEAVES, 5-C CHOPPED, (1)

REF NO 1-13-430

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.3	100.0		1
ORGANIC MATTER		%	72.7	79.6		
ASH		%	18.6	20.4		1
CRUDE FIBER		%	28.2	30.9		1
ETHER EXTRACT		%	1.5	1.6		1
NITROGEN FREE EXTRACT		%	30.5	33.4		1
PROTEIN		%	12.5	13.7		1
CATTLE	DIG PROT	% *	8.0	8.8		
GOATS	DIG PROT	% *	8.5	9.3		
HORSES	DIG PROT	% *	8.4	9.2		
RABBITS	DIG PROT	% *	8.4	9.2		
SHEEP	DIG PROT	% *	8.1	8.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.91	2.09		
SHEEP	DE	MCAL/KG *	1.94	2.12		
CATTLE	ME	MCAL/KG *	1.57	1.72		
SHEEP	ME	MCAL/KG *	1.59	1.74		
CATTLE	NE-M	MCAL/KG *	0.93	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.17		
CATTLE	NE-LACTATION	MCAL/KG *	0.84	0.92		
CATTLE		TDN % *	43.3	47.5		
SHEEP		TDN % *	43.9	48.1		
CALCIUM		%	0.30	0.33		1
PHOSPHORUS		%	0.48	0.53		1

PENNISETUM PURPUREUM, MERKERON, STEMS, 5-C, (1)

REF NO 1-13-428

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.9	100.0	2	6
ORGANIC MATTER		%	73.3	81.5		
ASH		%	16.6	18.5	44	6
CRUDE FIBER		%	34.3	38.2	23	6
ETHER EXTRACT		%	1.0	1.1	37	6
NITROGEN FREE EXTRACT		%	33.2	36.9	9	6
PROTEIN		%	4.8	5.4	66	6
CATTLE	DIG PROT	% *	1.1	1.6		
GOATS	DIG PROT	% *	1.6	1.6		
HORSES	DIG PROT	% *	1.9	2.1		
RABBITS	DIG PROT	% *	2.5	2.8		
SHEEP	DIG PROT	% *	1.2	1.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.61	1.79		
SHEEP	DE	MCAL/KG *	1.72	1.91		
CATTLE	ME	MCAL/KG *	1.32	1.47		
SHEEP	ME	MCAL/KG *	1.41	1.57		
CATTLE	NE-M	MCAL/KG *	0.81	0.90		
CATTLE	NE-GAIN	MCAL/KG *	-0.14	-0.15		
CATTLE	NE-LACTATION	MCAL/KG *	0.61	0.68		
CATTLE		TDN % *	36.5	40.6		
SHEEP		TDN % *	39.0	43.4		
CALCIUM		%	0.20	0.22	48	8
PHOSPHORUS		%	0.55	0.61	48	8

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH, (2)

REF NO 2-10-574

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.3	100.0	27	6
ORGANIC MATTER		%	20.0	85.7		
ASH		%	3.3	14.3	21	6
CRUDE FIBER		%	6.8	29.3	37	8
ETHER EXTRACT		%	0.5	2.0	26	7
NITROGEN FREE EXTRACT		%	10.8	46.3	29	8
PROTEIN		%	1.9	8.1	35	8
CATTLE	DIG PROT	% *	1.1	4.7		
GOATS	DIG PROT	% *	1.0	4.1		
HORSES	DIG PROT	% *	1.0	4.4		
RABBITS	DIG PROT	% *	1.1	4.9		
SHEEP	DIG PROT	% *	1.1	4.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.56	2.41		
SHEEP	DE	MCAL/KG *	0.58	2.49		
CATTLE	ME	MCAL/KG *	0.46	1.97		
SHEEP	ME	MCAL/KG *	0.48	2.04		
CATTLE	NE-M	MCAL/KG *	0.27	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.16		
CATTLE		TDN % *	12.7	54.6		
SHEEP		TDN % *	13.2	56.5		
CALCIUM		%	0.08	0.33		8
PHOSPHORUS		%	0.02	0.10		8
POTASSIUM		%	0.43	1.86		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-09-421						
DRY MATTER		%	16.8	100.0	10	11
ORGANIC MATTER		%	14.1	83.7	12	11
ASH		%	2.7	16.3	12	11
CRUDE FIBER		%	5.3	31.6	6	11
ETHER EXTRACT		%	0.6	3.7	32	11
NITROGEN FREE EXTRACT		%	6.1	36.0	10	11
PROTEIN		%	2.1	12.4	16	11
CATTLE	DIG PROT	% *	1.4	8.4		
GOATS	DIG PROT	% *	1.4	8.1		
HORSES	DIG PROT	% *	1.4	8.0		
RABBITS	DIG PROT	% *	1.4	8.2		
SHEEP	DIG PROT	% *	1.4	8.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.36	2.12		
SHEEP	DE	KCAL/KG *	0.43	2.53		
CATTLE	ME	KCAL/KG *	0.29	1.74		
SHEEP	ME	KCAL/KG *	0.35	2.07		
CATTLE	NE-M	KCAL/KG *	0.17	1.03		
CATTLE	NE-GAIN	KCAL/KG *	0.03	0.19		
CATTLE	NE-LACTATION	KCAL/KG *	0.16	0.94		
CATTLE	TDN	% *	6.1	48.0		
SHEEP	TDN	% *	9.7	57.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-10-879						
DRY MATTER		%	18.2	100.0	21	5
ORGANIC MATTER		%	15.9	87.4	17	5
ASH		%	2.4	13.1	17	9
CRUDE FIBER		%	5.6	30.8	10	9
ETHER EXTRACT		%	0.5	2.6	37	9
NITROGEN FREE EXTRACT		%	7.9	43.6	8	9
PROTEIN		%	1.8	9.9	10	9
CATTLE	DIG PROT	% *	1.1	6.3		
GOATS	DIG PROT	% *	1.0	5.8		
HORSES	DIG PROT	% *	1.1	5.9		
RABBITS	DIG PROT	% *	1.1	6.3		
SHEEP	DIG PROT	% *	1.1	6.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.43	2.38		
SHEEP	DE	KCAL/KG *	0.46	2.53		
CATTLE	ME	KCAL/KG *	0.34	1.95		
SHEEP	ME	KCAL/KG *	0.36	2.07		
CATTLE	NE-M	KCAL/KG *	0.21	1.15		
CATTLE	NE-GAIN	KCAL/KG *	0.08	0.46		
CATTLE	NE-LACTATION	KCAL/KG *	0.21	1.14		
CATTLE	TDN	% *	9.8	54.6		
SHEEP	TDN	% *	10.4	57.4		
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-11-608						
DRY MATTER		%	17.2	100.0	31	16
ORGANIC MATTER		%	14.6	84.9	36	11
ASH		%	2.6	15.0	16	16
CRUDE FIBER		%	5.7	33.4	11	16
ETHER EXTRACT		%	0.5	3.1	48	16
NITROGEN FREE EXTRACT		%	6.7	38.7	10	16
PROTEIN		%	1.7	9.7	31	16
CATTLE	DIG PROT	% *	1.1	6.2		
GOATS	DIG PROT	% *	1.0	5.7		
HORSES	DIG PROT	% *	1.0	5.8		
RABBITS	DIG PROT	% *	1.1	6.2		
SHEEP	DIG PROT	% *	1.0	6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.37	2.16		
SHEEP	DE	KCAL/KG *	0.42	2.47		
CATTLE	ME	KCAL/KG *	0.30	1.78		
SHEEP	ME	KCAL/KG *	0.35	2.03		
CATTLE	NE-M	KCAL/KG *	0.18	1.04		
CATTLE	NE-GAIN	KCAL/KG *	0.04	0.22		
CATTLE	NE-LACTATION	KCAL/KG *	0.16	0.96		
CATTLE	TDN	% *	8.1	48.6		
SHEEP	TDN	% *	9.6	56.0		
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-13-625						
DRY MATTER		%	19.3	100.0	21	21
ORGANIC MATTER		%	16.5	85.5		
ASH		%	2.8	14.5	15	21
CRUDE FIBER		%	6.5	33.6	8	21
ETHER EXTRACT		%	0.5	2.4	24	21
NITROGEN FREE EXTRACT		%	7.0	36.2	9	20
PROTEIN		%	2.6	13.4	11	21
CATTLE	DIG PROT	% *	1.8	9.3		
GOATS	DIG PROT	% *	1.7	9.1		
HORSES	DIG PROT	% *	1.7	8.9		
RABBITS	DIG PROT	% *	1.7	9.0		
SHEEP	DIG PROT	% *	1.8	9.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.46	2.37		
SHEEP	DE	KCAL/KG *	0.48	2.50		
CATTLE	ME	KCAL/KG *	0.37	1.94		
SHEEP	ME	KCAL/KG *	0.40	2.05		
CATTLE	NE-M	KCAL/KG *	0.22	1.16		
CATTLE	NE-GAIN	KCAL/KG *	0.06	0.33		
CATTLE	NE-LACTATION	KCAL/KG *	0.22	1.13		
CATTLE	TDN	% *	10.3	53.7		
SHEEP	TDN	% *	10.9	56.8		
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)						
REF NO 2-10-831						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.7		
ASH		%		9.3	3	6
CRUDE FIBER		%		35.5		6
ETHER EXTRACT		%		1.7	7	6
NITROGEN FREE EXTRACT		%		48.3		6
PROTEIN		%		5.2	6	6
CATTLE	DIG PROT	% *		2.3		
GOATS	DIG PROT	% *		1.6		
HORSES	DIG PROT	% *		1.9		
RABBITS	DIG PROT	% *		2.6		
SHEEP	DIG PROT	% *		1.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *		2.21		
SHEEP	DE	KCAL/KG *		2.43		
CATTLE	ME	KCAL/KG *		1.81		
SHEEP	ME	KCAL/KG *		1.99		
CATTLE	NE-M	KCAL/KG *		1.07		
CATTLE	NE-GAIN	KCAL/KG *		0.20		
CATTLE	NE-LACTATION	KCAL/KG *		1.01		
CATTLE	TDN	% *		50.1		
SHEEP	TDN	% *		55.2		
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-10-832						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.9		
ASH		%		9.1	7	6
CRUDE FIBER		%		33.8	3	6
ETHER EXTRACT		%		1.9	6	6
NITROGEN FREE EXTRACT		%		50.4	1	6
PROTEIN		%		4.8	5	6
CATTLE	DIG PROT	% *		2.0		
GOATS	DIG PROT	% *		1.1		
HORSES	DIG PROT	% *		1.6		
RABBITS	DIG PROT	% *		2.4		
SHEEP	DIG PROT	% *		1.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *		2.25		
SHEEP	DE	KCAL/KG *		2.48		
CATTLE	ME	KCAL/KG *		1.85		
SHEEP	ME	KCAL/KG *		2.03		
CATTLE	NE-M	KCAL/KG *		1.09		
CATTLE	NE-GAIN	KCAL/KG *		0.32		
CATTLE	NE-LACTATION	KCAL/KG *		1.06		
CATTLE	TDN	% *		51.1		
SHEEP	TDN	% *		56.2		
PENNISETUM PURPUREUM, HERRERON, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-15-497						
DRY MATTER		%	19.9	100.0		1
ORGANIC MATTER		%	16.0	80.4		
ASH		%	3.9	19.6		1
CRUDE FIBER		%	5.3	26.6		1
ETHER EXTRACT		%	0.5	2.3		1
NITROGEN FREE EXTRACT		%	8.8	43.1		1
PROTEIN		%	1.7	8.4		1
CATTLE	DIG PROT	% *	1.0	5.1		
GOATS	DIG PROT	% *	0.9	4.4		
HORSES	DIG PROT	% *	0.9	4.7		
RABBITS	DIG PROT	% *	1.0	5.2		
SHEEP	DIG PROT	% *	1.0	4.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.45	2.25		
SHEEP	DE	KCAL/KG *	0.48	2.41		
CATTLE	ME	KCAL/KG *	0.37	1.84		
SHEEP	ME	KCAL/KG *	0.39	1.96		
CATTLE	NE-M	KCAL/KG *	0.22	1.09		
CATTLE	NE-GAIN	KCAL/KG *	0.06	0.32		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	0.21	1.04		
CATTLE	TDN % *	10.1	51.0		
SHEEP	TDN % *	10.9	54.7		

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-15-494

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.4	100.0		1
ORGANIC MATTER	%	20.2	90.3		
ASH	%	2.2	9.7		1
CRUDE FIBER	%	8.8	39.2		1
ETHER EXTRACT	%	0.3	1.3		1
NITROGEN FREE EXTRACT	%	10.3	46.0		1
PROTEIN	%	0.8	3.8		1
CATTLE DIG PROT	% *	0.2	1.1		
GOATS DIG PROT	% *	0.0	0.1		
HORSES DIG PROT	% *	0.2	0.7		
RABBITS DIG PROT	% *	0.4	1.6		
SHEEP DIG PROT	% *	0.1	0.5		
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *	0.48	2.13		
SHEEP DE	MCAL/KG *	0.52	2.31		
CATTLE ME	MCAL/KG *	0.39	1.74		
SHEEP ME	MCAL/KG *	0.43	1.90		
CATTLE NE-M	MCAL/KG *	0.23	1.03		
CATTLE NE-GAIN	MCAL/KG *	0.05	0.20		
CATTLE NE-LACTATION	MCAL/KG *	0.21	0.95		
CATTLE	TDN % *	10.8	48.2		
SHEEP	TDN % *	11.8	52.5		

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-15-495

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	26.5	100.0		1
ORGANIC MATTER	%	22.9	86.4		
ASH	%	3.6	13.6		1
CRUDE FIBER	%	8.9	33.7		1
ETHER EXTRACT	%	0.5	1.9		1
NITROGEN FREE EXTRACT	%	12.2	46.2		1
PROTEIN	%	1.2	4.7		1
CATTLE DIG PROT	% *	0.5	1.9		
GOATS DIG PROT	% *	0.2	0.9		
HORSES DIG PROT	% *	0.4	1.5		
RABBITS DIG PROT	% *	0.6	2.3		
SHEEP DIG PROT	% *	0.4	1.3		
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *	0.58	2.20		
SHEEP DE	MCAL/KG *	0.63	2.37		
CATTLE ME	MCAL/KG *	0.48	1.81		
SHEEP ME	MCAL/KG *	0.52	1.95		
CATTLE NE-M	MCAL/KG *	0.28	1.07		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.28		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.01		
CATTLE	TDN % *	13.2	50.0		
SHEEP	TDN % *	14.3	53.8		

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-15-496

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.0	100.0		1
ORGANIC MATTER	%	18.7	85.2		
ASH	%	3.3	14.8		1
CRUDE FIBER	%	7.4	33.7		1
ETHER EXTRACT	%	0.5	2.4		1
NITROGEN FREE EXTRACT	%	9.0	41.0		1
PROTEIN	%	1.8	8.1		1
CATTLE DIG PROT	% *	1.1	4.8		
GOATS DIG PROT	% *	0.9	4.1		
HORSES DIG PROT	% *	1.0	4.4		
RABBITS DIG PROT	% *	1.1	4.9		
SHEEP DIG PROT	% *	1.0	4.5		
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *	0.44	2.19		
SHEEP DE	MCAL/KG *	0.53	2.42		
CATTLE ME	MCAL/KG *	0.40	1.80		
SHEEP ME	MCAL/KG *	0.44	1.98		
CATTLE NE-M	MCAL/KG *	0.23	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.26		
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.00		
CATTLE	TDN % *	10.9	49.7		
SHEEP	TDN % *	12.1	54.9		

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH FERTILIZED, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-10-824

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MAT ER	%		88.5		
ASH	%		11.5		1
ETHER EXTRACT	%		1.7		1
PROTEIN	%		10.3		1
CATTLE DIG PROT	% *		6.6		
GOATS DIG PROT	% *		6.2		
HORSES DIG PROT	% *		6.3		
RABBITS DIG PROT	% *		6.6		
SHEEP DIG PROT	% *		6.6		
CELLULOSE (CHAMPTON)	%		43.9		1
LIGNIN (ELLIS)	%		14.7		1

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH FERTILIZED, 65 TO 98 DAYS' GROWTH, (2)

REF NO 2-10-824

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.4		
ASH	%		9.6		1
ETHER EXTRACT	%		1.7		1
PROTEIN	%		5.8		1
CATTLE DIG PROT	% *		2.1		
GOATS DIG PROT	% *		1.2		
HORSES DIG PROT	% *		1.8		
RABBITS DIG PROT	% *		2.5		
SHEEP DIG PROT	% *		1.7		
CELLULOSE (CHAMPTON)	%		40.4		1
LIGNIN (ELLIS)	%		16.2		1

PENNISETUM PURPUREUM, MERKERON, AERIAL PART, FRESH FERTILIZED, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-10-833

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.5		
ASH	%		9.5		1
ETHER EXTRACT	%		1.9		1
PROTEIN	%		5.0		1
CATTLE DIG PROT	% *		2.1		
GOATS DIG PROT	% *		1.2		
HORSES DIG PROT	% *		1.8		
RABBITS DIG PROT	% *		2.5		
SHEEP DIG PROT	% *		1.7		
CELLULOSE (CHAMPTON)	%		46.8		1
LIGNIN (ELLIS)	%		23.4		1

PENNISETUM PURPUREUM, MERKERON, LEAVES, FRESH, (2)

REF NO 2-15-498

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.6		
ASH	%		13.4	18	13
CRUDE FIBER	%		29.7	16	13
ETHER EXTRACT	%		2.0	25	13
NITROGEN FREE EXTRACT	%		45.0	11	13
PROTEIN	%		9.8	24	13
CATTLE DIG PROT	% *		6.2		
GOATS DIG PROT	% *		5.7		
HORSES DIG PROT	% *		5.9		
RABBITS DIG PROT	% *		6.2		
SHEEP DIG PROT	% *		6.1		
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *		2.46		
SHEEP DE	MCAL/KG *		2.52		
CATTLE ME	MCAL/KG *		2.01		
SHEEP ME	MCAL/KG *		2.07		
CATTLE NE-M	MCAL/KG *		1.19		
CATTLE NE-GAIN	MCAL/KG *		0.50		
CATTLE NE-LACTATION	MCAL/KG *		1.20		
CATTLE	TDN % *		55.7		
SHEEP	TDN % *		57.2		
CALCIUM	%		0.76	26	13
PHOSPHORUS	%		0.35	12	13

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MERKERON, LEAVES, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-835						
DRY MATTER		%		100.0		
CRUDE FIBER		%		35.1		1
ETHER EXTRACT		%		2.8		1
NITROGEN FREE EXTRACT		%		42.5		1
PROTEIN		%		12.7		1
CATTLE	DIG PROT	% *		8.7		
GOATS	DIG PROT	% *		8.4		
HORSES	DIG PROT	% *		8.3		
RABBITS	DIG PROT	% *		8.5		
SHEEP	DIG PROT	% *		8.8		
LIGNIN (ELLIS)		%		8.9		1
ENERGY	GE	KCAL/KG				
CATTLE	GE	KCAL/KG *		2.48		
SHEEP	GE	KCAL/KG *		2.66		
CATTLE	ME	KCAL/KG *		2.04		
SHEEP	ME	KCAL/KG *		2.18		
CATTLE	NE-M	KCAL/KG *		1.20		
CATTLE	NE-GAIN	KCAL/KG *		0.53		
CATTLE	NE-LACTATION	KCAL/KG *		1.22		
CATTLE	TDN	% *		56.3		
SHEEP	TDN	% *		60.3		
CALCIUM		%		0.52		1
MAGNESIUM		%		0.22		1
PHOSPHORUS		%		0.25		1
POTASSIUM		%		1.70		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MERKERON, STEMS, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-10-836						
DRY MATTER		%		100.0		
CRUDE FIBER		%		47.6		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		42.3		1
PROTEIN		%		7.5		1
CATTLE	DIG PROT	% *		4.3		
GOATS	DIG PROT	% *		3.6		
HORSES	DIG PROT	% *		3.9		
RABBITS	DIG PROT	% *		4.5		
SHEEP	DIG PROT	% *		4.0		
LIGNIN (ELLIS)		%		11.2		1
CALCIUM		%		0.26		1
MAGNESIUM		%		0.24		1
PHOSPHORUS		%		0.20		1
POTASSIUM		%		2.10		1

PENNISETUM PURPUREUM, MILLET, NAPIERGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, (2)						
REF NO 2-17-625						
DRY MATTER		%	18.6	100.0		3
ORGANIC MATTER		%	16.1	86.4		
ASH		%	2.5	13.6		3
CRUDE FIBER		%	5.2	27.9		3
ETHER EXTRACT		%	0.4	1.9		3
NITROGEN FREE EXTRACT		%	8.3	44.6		3
PROTEIN		%	2.2	11.9	44	4
CATTLE	DIG PROT	% *	1.5	8.0		
GOATS	DIG PROT	% *	1.4	7.7		
HORSES	DIG PROT	% *	1.4	7.7		
RABBITS	DIG PROT	% *	1.5	7.9		
SHEEP	DIG PROT	% *	1.5	8.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.56		
SHEEP	DE	MCAL/KG *	0.48	2.57		
CATTLE	ME	MCAL/KG *	0.39	2.08		
SHEEP	ME	MCAL/KG *	0.39	2.11		
CATTLE	NE-M	MCAL/KG *	0.23	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.57		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.27		
CATTLE	TDN	% *	10.7	57.6		
SHEEP	TDN	% *	10.8	58.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-11-481						
DRY MATTER		%	15.9	100.0	14	13
ORGANIC MATTER		%	13.5	84.8	12	13
ASH		%	2.5	15.4	12	13
CRUDE FIBER		%	5.0	31.5	9	13
ETHER EXTRACT		%	0.8	3.8	36	13
NITROGEN FREE EXTRACT		%	6.1	38.1	9	13
PROTEIN		%	1.8	11.4	14	13
CATTLE	DIG PROT	% *	1.2	7.5		
GOATS	DIG PROT	% *	1.1	7.2		
HORSES	DIG PROT	% *	1.1	7.2		
RABBITS	DIG PROT	% *	1.2	7.4		
SHEEP	DIG PROT	% *	1.2	7.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.35	2.19		
SHEEP	DE	MCAL/KG *	0.40	2.52		
CATTLE	ME	MCAL/KG *	0.29	1.80		
SHEEP	ME	MCAL/KG *	0.33	2.07		
CATTLE	NE-M	MCAL/KG *	0.17	1.06		
CATTLE	NE-GAIN	MCAL/KG *	0.04	0.26		
CATTLE	NE-LACTATION	MCAL/KG *	0.16	0.99		
CATTLE	TDN	% *	7.9	49.7		
SHEEP	TDN	% *	9.1	57.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-11-493						
DRY MATTER		%	17.3	100.0	19	6
ORGANIC MATTER		%	14.9	85.7	10	5
ASH		%	2.5	14.3	10	5
CRUDE FIBER		%	5.5	31.8	9	6
ETHER EXTRACT		%	0.5	2.6	16	6
NITROGEN FREE EXTRACT		%	7.3	41.9	2	5
PROTEIN		%	1.8	9.4	21	6
CATTLE	DIG PROT	% *	1.0	5.9		
GOATS	DIG PROT	% *	0.9	5.4		
HORSES	DIG PROT	% *	1.0	5.5		
RABBITS	DIG PROT	% *	1.0	5.9		
SHEEP	DIG PROT	% *	1.0	5.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.40	2.24		
SHEEP	DE	MCAL/KG *	0.43	2.48		
CATTLE	ME	MCAL/KG *	0.32	1.87		
SHEEP	ME	MCAL/KG *	0.35	2.03		
CATTLE	NE-M	MCAL/KG *	0.19	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.35		
CATTLE	NE-LACTATION	MCAL/KG *	0.18	1.07		
CATTLE	TDN	% *	9.0	51.8		
SHEEP	TDN	% *	9.8	56.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-11-495						
DRY MATTER		%	14.6	100.0	12	9
ORGANIC MATTER		%	12.5	85.5	19	9
ASH		%	2.1	14.4	19	9
CRUDE FIBER		%	4.9	33.5	6	9
ETHER EXTRACT		%	0.4	2.9	18	9
NITROGEN FREE EXTRACT		%	6.0	41.0	8	9
PROTEIN		%	1.2	8.2	11	9
CATTLE	DIG PROT	% *	0.7	4.8		
GOATS	DIG PROT	% *	0.6	4.2		
HORSES	DIG PROT	% *	0.7	4.5		
RABBITS	DIG PROT	% *	0.7	5.0		
SHEEP	DIG PROT	% *	0.7	4.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.31	2.15		
SHEEP	DE	MCAL/KG *	0.36	2.45		
CATTLE	ME	MCAL/KG *	0.26	1.77		
SHEEP	ME	MCAL/KG *	0.29	2.01		
CATTLE	NE-M	MCAL/KG *	0.15	1.05		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.23		
CATTLE	NE-LACTATION	MCAL/KG *	0.14	0.97		
CATTLE	TDN	% *	7.1	48.8		
SHEEP	TDN	% *	8.1	55.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, 155 TO 168 DAYS' GROWTH, (2)						
REF NO 2-11-496						
DRY MATTER		%	17.0	100.0		1
ORGANIC MATTER		%	15.4	90.6		1
ASH		%	1.6	9.4		1
CRUDE FIBER		%	5.2	30.8		1
ETHER EXTRACT		%	0.6	3.3		1
NITROGEN FREE EXTRACT		%	8.0	46.9		1
PROTEIN		%	1.6	9.6		1
CATTLE	DIG PROT	% *	1.0	6.0		
GOATS	DIG PROT	% *	0.9	5.5		
HORSES	DIG PROT	% *	1.0	5.6		
RABBITS	DIG PROT	% *	1.0	6.0		
SHEEP	DIG PROT	% *	1.0	5.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.45	2.63		
SHEEP	DE	MCAL/KG *	0.45	2.62		
CATTLE	ME	MCAL/KG *	0.37	2.16		
SHEEP	ME	MCAL/KG *	0.37	2.15		
CATTLE	NE-M	MCAL/KG *	0.22	1.28		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.65		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.34		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *	10.1	59.7		
SHEEP	TDN % *	10.1	59.5		

PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-17-624

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	11.8	100.0		1
ORGANIC MATTER	%	9.8	83.4		
ASH	%	2.0	16.6		1
CRUDE FIBER	%	3.3	27.9		1
ETHER EXTRACT	%	0.4	3.0		1
NITROGEN FREE EXTRACT	%	4.6	39.0		1
PROTEIN	%	1.6	13.6		1
CATTLE DIG PROT	% *	1.1	9.4		
GOATS DIG PROT	% *	1.1	9.2		
HORSES DIG PROT	% *	1.1	9.0		
RABBITS DIG PROT	% *	1.1	9.1		
SHEEP DIG PROT	% *	1.1	9.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.27	2.31		
SHEEP DE	MCAL/KG *	0.30	2.55		
CATTLE ME	MCAL/KG *	0.22	1.90		
SHEEP ME	MCAL/KG *	0.25	2.09		
CATTLE NE-M	MCAL/KG *	0.13	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.38		
CATTLE NE-LACTATION	MCAL/KG *	0.13	1.09		
CATTLE TDN	% *	6.2	52.5		
SHEEP TDN	% *	6.8	57.8		

PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, HIGHLOAM, (2)

REF NO 2-17-622

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.3	100.0		1
ORGANIC MATTER	%	18.6	87.6		
ASH	%	2.7	12.4		1
CRUDE FIBER	%	7.0	32.7		1
ETHER EXTRACT	%	0.4	1.8		1
NITROGEN FREE EXTRACT	%	10.4	48.8		1
PROTEIN	%	0.9	4.3		1
CATTLE DIG PROT	% *	0.3	1.6		
GOATS DIG PROT	% *	0.1	0.6		
HORSES DIG PROT	% *	0.3	1.2		
RABBITS DIG PROT	% *	0.4	2.0		
SHEEP DIG PROT	% *	0.2	1.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.48	2.26		
SHEEP DE	MCAL/KG *	0.51	2.41		
CATTLE ME	MCAL/KG *	0.40	1.85		
SHEEP ME	MCAL/KG *	0.42	1.98		
CATTLE NE-M	MCAL/KG *	0.23	1.09		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.33		
CATTLE NE-LACTATION	MCAL/KG *	0.22	1.05		
CATTLE TDN	% *	10.9	51.3		
SHEEP TDN	% *	11.7	54.7		

PENNISETUM PURPUREUM, MILLET, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-17-623

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.1	100.0		1
ORGANIC MATTER	%	25.3	87.1		
ASH	%	3.8	12.9		1
CRUDE FIBER	%	10.2	35.0		1
ETHER EXTRACT	%	0.6	2.0		1
NITROGEN FREE EXTRACT	%	13.6	45.9		1
PROTEIN	%	1.2	4.2		1
CATTLE DIG PROT	% *	0.4	1.5		
GOATS DIG PROT	% *	0.1	0.5		
HORSES DIG PROT	% *	0.3	1.1		
RABBITS DIG PROT	% *	0.6	1.9		
SHEEP DIG PROT	% *	0.3	0.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.62	2.13		
SHEEP DE	MCAL/KG *	0.69	2.36		
CATTLE ME	MCAL/KG *	0.51	1.74		
SHEEP ME	MCAL/KG *	0.56	1.94		
CATTLE NE-M	MCAL/KG *	0.30	1.03		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.20		
CATTLE NE-LACTATION	MCAL/KG *	0.27	0.94		
CATTLE TDN	% *	14.0	48.2		
SHEEP TDN	% *	15.6	53.6		

PENNISETUM RUPESTRIS

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PENNISETUM RUPESTRIS RUPESTRIS, AERIAL PART, FRESH, (2)					
REF NO 2-11-292					
DRY MATTER	%	24.0	100.0		1
ORGANIC MATTER	%	21.1	88.1		
ASH	%	2.9	11.9		3
CRUDE FIBER	%	8.2	34.3	25	4
ETHER EXTRACT	%	0.5	2.2		3
NITROGEN FREE EXTRACT	%	10.1	42.2		3
PROTEIN	%	2.3	9.4	16	4
CATTLE DIG PROT	% *	1.4	5.9		
GOATS DIG PROT	% *	1.3	5.3		
HORSES DIG PROT	% *	1.3	5.5		
RABBITS DIG PROT	% *	1.4	5.9		
SHEEP DIG PROT	% *	1.4	5.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.56	2.32		
SHEEP DE	MCAL/KG *	0.60	2.48		
CATTLE ME	MCAL/KG *	0.46	1.90		
SHEEP ME	MCAL/KG *	0.49	2.04		
CATTLE NE-M	MCAL/KG *	0.27	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.09	0.38		
CATTLE NE-LACTATION	MCAL/KG *	0.26	1.10		
CATTLE TDN	% *	12.6	52.6		
SHEEP TDN	% *	13.5	56.3		

PENNISETUM SPP, PENNISETUM

PENNISETUM SPP, AERIAL PART, FRESH, (2)

REF NO 2-17-627

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.6	100.0		1
ORGANIC MATTER	%	25.7	89.8		
ASH	%	2.9	10.2		1
CRUDE FIBER	%	11.7	40.9		1
ETHER EXTRACT	%	0.5	1.6		1
NITROGEN FREE EXTRACT	%	10.7	37.3		1
PROTEIN	%	2.9	10.0		1
CATTLE DIG PROT	% *	1.8	6.4		
GOATS DIG PROT	% *	1.7	5.9		
HORSES DIG PROT	% *	1.7	6.0		
RABBITS DIG PROT	% *	1.8	6.4		
SHEEP DIG PROT	% *	1.8	6.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.69	2.41		
SHEEP DE	MCAL/KG *	0.70	2.43		
CATTLE ME	MCAL/KG *	0.57	1.98		
SHEEP ME	MCAL/KG *	0.57	1.99		
CATTLE NE-M	MCAL/KG *	0.33	1.16		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.46		
CATTLE NE-LACTATION	MCAL/KG *	0.33	1.17		
CATTLE TDN	% *	15.6	54.7		
SHEEP TDN	% *	15.8	55.1		

PERSEA AMERICANA, AVOCADO, AMERICAN

PERSEA AMERICANA AMERICAN, FRUIT, FRESH, (4)

REF NO 4-13-483

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	15.4	100.0		2
ORGANIC MATTER	%	14.6	94.7		
ASH	%	0.8	5.3	18	9
CRUDE FIBER	%	4.8	30.9	50	9
ETHER EXTRACT	%	5.8	37.5	29	9
NITROGEN FREE EXTRACT	%	2.9	19.1	54	7
PROTEIN	%	1.1	7.1	43	9
CATTLE DIG PROT	% *	0.4	2.6		
GOATS DIG PROT	% *	0.6	3.8		
HORSES DIG PROT	% *	0.6	3.8		
SHEEP DIG PROT	% *	0.6	3.8		
CALCIUM	%	0.02	0.13		2
IRON	%	0.001	0.006		2
PHOSPHORUS	%	0.05	0.32		2
ASCORBIC ACID	MG/KG	149.2	969.2		2
NIACIN	MG/KG	10.2	66.5		2
RIBOFLAVIN	MG/KG	1.1	7.2		2
THIAMINE	MG/KG	0.6	3.9		2
VITAMIN A EQUIV	IU/G	3.7	23.9		

PETROSELINUM CRISPUM, PARSLEY, CURLY GARDEN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PETROSELINUM CRISPUM CURLY GARDEN, LEAVES, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-13-478						
DRY MATTER		%	20.7	100.0		1
ORGANIC MATTER		%	17.9	86.5		
ASH		%	2.8	13.5		1
CRUDE FIBER		%	2.4	11.6		1
ETHER EXTRACT		%	0.6	2.9		1
NITROGEN FREE EXTRACT		%	11.0	53.1		
PROTEIN		%	3.9	18.8		1
CATTLE	DIG PROT	% *	2.9	13.9		
GOATS	DIG PROT	% *	2.9	14.1		
HORSES	DIG PROT	% *	2.8	13.5		
RABBITS	DIG PROT	% *	2.7	13.2		
SHEEP	DIG PROT	% *	3.0	14.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/ G *	0.70	3.37		
SHEEP	DE	MCAL/KG *	0.65	3.13		
CATTLE	ME	MCAL/KG *	0.57	2.76		
SHEEP	ME	MCAL/KG *	0.57	2.56		
CATTLE	NE-M	MCAL/KG *	0.36	1.74		
CATTLE	NE-GAIN	MCAL/KG *	0.24	1.15		
CATTLE	NE-LACTATION	MCAL/KG *	0.40	1.92		
CATTLE	TDN	% *	15.8	76.4		
SHEEP	TDN	% *	14.7	70.9		
CALCIUM		%	0.02	0.10		1
IRON		%	0.001	0.005		1
PHOSPHORUS		%	0.03	0.14		1
ASCORBIC ACID		MG/KG	3850.0	18599.0		1
NIACIN		MG/KG	7.8	37.7		1
RIBOFLAVIN		MG/KG	2.5	12.1		1
THIAMINE		MG/KG	1.1	6.3		1
VITAMIN A EQUIV		IU/G	160.0	773.1		

PHALARIS ARUNDINACEA, CANARYGRASS, REED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS ARUNDINACEA REED, HAY, S-C CHOPPED, FULL BLOOM, CUT 1, (1)						
REF NO 1-13-065						
DRY MATTER		%	87.0	100.0	3	12
DM IN VITRO (TILLY)	DIG COEF	%	45.	45.	12	10
PROTEIN		%	7.5	8.6	18	11
CATTLE	DIG PROT	% *	3.8	4.4		
GOATS	DIG PROT	% *	4.0	4.6		
HORSES	DIG PROT	% *	4.2	4.9		
RABBITS	DIG PROT	% *	4.6	5.3		
SHEEP	DIG PROT	% *	3.8	4.3		
PHALARIS ARUNDINACEA REED, HAY, S-C FERTILIZED, LATE VEGETATIVE, CUT 2, (1)						
REF NO 1-13-593						
DRY MATTER		%	94.0	100.0		3
PROTEIN		%	23.8	25.3		3
CATTLE	DIG PROT	% *	17.8	18.9		
GOATS	DIG PROT	% *	19.0	20.2		
HORSES	DIG PROT	% *	17.9	19.0		
RABBITS	DIG PROT	% *	17.1	18.2		
SHEEP	DIG PROT	% *	(18.1)	(19.3)		
PHALARIS ARUNDINACEA REED, AERIAL PART, FRESH, (2)						
REF NO 2-01-113						
DRY MATTER		%	(25.3)	(100.0)		3
ORGANIC MATTER		%	22.7	90.0		
ASH		%	2.5	10.0		1
CRUDE FIBER		%	5.6	22.0		1
ETHER EXTRACT		%	1.1	4.4		1
NITROGEN FREE EXTRACT		%	11.7	46.4		1
PROTEIN		%	4.3	17.2		1
CATTLE	DIG PROT	% *	3.2	12.5		
GOATS	DIG PROT	% *	3.2	12.6		
HORSES	DIG PROT	% *	3.1	12.1		
RABBITS	DIG PROT	% *	3.0	11.9		
SHEEP	DIG PROT	% *	3.3	13.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.87	3.44		
SHEEP	DE	MCAL/KG *	0.68	2.70		
CATTLE	ME	MCAL/KG *	0.71	2.82		
SHEEP	ME	MCAL/KG *	0.56	2.21		
CATTLE	NE-M	MCAL/KG *	0.45	1.79		
CATTLE	NE-GAIN	MCAL/KG *	0.30	1.19		
CATTLE	NE-LACTATION	MCAL/KG *	0.50	1.97		
CATTLE	TDN	% *	19.7	78.0		
SHEEP	TDN	% *	(15.5)	(61.2)		
CALCIUM		%	(0.09)	(0.36)		2
PHOSPHORUS		%	(0.08)	(0.33)		2
POTASSIUM		%	0.92	3.64		1
PHALARIS ARUNDINACEA REED, AERIAL PART, FRESH, IDBLOOM, (2)						
REF NO 2-01-107						
DRY MATTER		%	17.9	100.0		1
ORGANIC MATTER		%	(15.3)	(85.3)		
ASH		%	(2.6)	(14.7)		1
CRUDE FIBER		%	(4.9)	(27.1)		1
ETHER EXTRACT		%	(0.4)	(2.3)		1
NITROGEN FREE EXTRACT		%	(7.7)	(42.9)		1
PROTEIN		%	(2.3)	(13.0)		1
CATTLE	DIG PROT	% *	(1.6)	(8.9)		
GOATS	DIG PROT	% *	(1.6)	(8.7)		
HORSES	DIG PROT	% *	(1.5)	(8.6)		
RABBITS	DIG PROT	% *	(1.6)	(8.7)		
SHEEP	DIG PROT	% *	(1.6)	(9.1)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(0.45)	(2.50)		
SHEEP	DE	MCAL/KG *	(0.46)	(2.58)		
CATTLE	ME	MCAL/KG *	(0.37)	(2.05)		
SHEEP	ME	MCAL/KG *	(0.38)	(2.12)		
CATTLE	NE-M	MCAL/KG *	(0.22)	(1.21)		
CATTLE	NE-GAIN	MCAL/KG *	(0.10)	(0.54)		
CATTLE	NE-LACTATION	MCAL/KG *	(0.22)	(1.24)		
CATTLE	TDN	% *	(10.1)	(56.7)		
SHEEP	TDN	% *	(10.5)	(58.5)		
PHALARIS ARUNDINACEA REED, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-01-111						
DRY MATTER		%	(30.0)	(100.0)		2
ORGANIC MATTER		%	(27.9)	(93.0)		
ASH		%	(2.1)	(7.0)		1
CRUDE FIBER		%	(9.9)	(33.1)		1
ETHER EXTRACT		%	(0.9)	(2.9)		1
NITROGEN FREE EXTRACT		%	(14.8)	(49.2)		1
PROTEIN		%	(2.3)	(7.8)		1
CATTLE	DIG PROT	% *	(1.4)	(4.5)		
GOATS	DIG PROT	% *	(1.2)	(3.8)		
HORSES	DIG PROT	% *	(1.2)	(4.2)		
RABBITS	DIG PROT	% *	(1.4)	(4.7)		
SHEEP	DIG PROT	% *	(1.3)	(4.3)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(0.75)	(2.49)		
SHEEP	DE	MCAL/KG *	(0.78)	(2.60)		
CATTLE	ME	MCAL/KG *	(0.61)	(2.05)		
SHEEP	ME	MCAL/KG *	(0.64)	(2.13)		
CATTLE	NE-M	MCAL/KG *	(0.36)	(1.21)		
CATTLE	NE-GAIN	MCAL/KG *	(0.16)	(0.54)		
CATTLE	NE-LACTATION	MCAL/KG *	(0.37)	(1.23)		
CATTLE	TDN	% *	(17.0)	(56.6)		
SHEEP	TDN	% *	(17.7)	(59.0)		
CALCIUM		%	(0.08)	(0.27)		1
PHOSPHORUS		%	0.06	0.20		1

PHALARIS BULBOSA, CANARYGRASS, BULBOSA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS BULBOSA BULBOSA, AERIAL PART, FRESH, (2)						
REF NO 2-13-555						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		85.3		
ASH		%		14.7		1
CRUDE FIBER		%		21.1		1
ETHER EXTRACT		%		4.1		1
NITROGEN FREE EXTRACT		%		35.8		1
PROTEIN		%		24.4		1
CATTLE	DIG PROT	% *		18.6		
GOATS	DIG PROT	% *		19.3		
HORSES	DIG PROT	% *		18.2		
RABBITS	DIG PROT	% *		17.5		
SHEEP	DIG PROT	% *		19.7		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.91		
SHEEP	ME	MCAL/KG *		2.39		
SHEEP	TDN	% *		66.0		

PHALARIS CANARIENSIS, CANARYGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS CANARIENSIS, AERIAL PART, FRESH, (2)						
REF NO 2-01-093						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.4		
ASH		%		3.6		1
CRUDE FIBER		%		12.2		1
ETHER EXTRACT		%		3.7		1
NITROGEN FREE EXTRACT		%		72.0		1
PROTEIN		%		8.5		1
CATTLE	DIG PROT	% *		5.1		
GOATS	DIG PROT	% *		4.5		
HORSES	DIG PROT	% *		4.7		
RABBITS	DIG PROT	% *		5.2		
SHEEP	DIG PROT	% *		4.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		3.51		
SHEEP	ME	MCAL/KG *		2.88		
SHEEP	TDN	% *		79.6		
PHALARIS CANARIENSIS, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)						
REF NO 2-13-683						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.3		
ASH		%		3.7		1
CRUDE FIBER		%		11.6		1
ETHER EXTRACT		%		3.7		1
NITROGEN FREE EXTRACT		%		74.1		1
PROTEIN		%		6.9		1
CATTLE	DIG PROT	% *		3.8		
GOATS	DIG PROT	% *		3.0		
HORSES	DIG PROT	% *		3.4		
RABBITS	DIG PROT	% *		4.0		
SHEEP	DIG PROT	% *		3.4		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		3.54		
SHEEP	ME	MCAL/KG *		2.90		
SHEEP	TDN	% *		80.3		
PHALARIS COERULESCENS, CANARYGRASS, COERULESCENS						
PHALARIS COERULESCENS COERULESCENS, HAY, S-C FERTILIZED, LATE VEGETATIVE, CUT 2, (1)						
REF NO 1-13-594						
DRY MATTER		%	93.1	100.0	1	5
PROTEIN		%	17.8	19.1	8	5
CATTLE	DIG PROT	% *	12.6	13.5		
GOATS	DIG PROT	% *	13.4	14.4		
HORSES	DIG PROT	% *	12.8	13.7		
RABBITS	DIG PROT	% *	12.5	13.4		
SHEEP	DIG PROT	% *	12.8	13.7		
PHALARIS HYBRIDA, CANARYGRASS, HYBRIDA						
PHALARIS HYBRIDA HYBRIDA, HAY, S-C FERTILIZED, LATE VEGETATIVE, CUT 2, (1)						
REF NO 1-13-601						
DRY MATTER		%	93.9	100.0		1
PROTEIN		%	23.9	25.5		1
CATTLE	DIG PROT	% *	17.9	19.0		
GOATS	DIG PROT	% *	19.1	20.4		
HORSES	DIG PROT	% *	18.0	19.2		
RABBITS	DIG PROT	% *	17.2	18.4		
SHEEP	DIG PROT	% *	18.3	19.4		
PHALARIS SPP, CANARYGRASS						
PHALARIS SPP, HAY, S-C FERTILIZED, LATE VEGETATIVE, CUT 2, (1)						
REF NO 1-13-592						
DRY MATTER		%	92.9	100.0		2
PROTEIN		%	20.9	22.5		2
CATTLE	DIG PROT	% *	15.3	16.4		
GOATS	DIG PROT	% *	16.3	17.6		
HORSES	DIG PROT	% *	15.4	16.6		
RABBITS	DIG PROT	% *	14.9	16.0		
SHEEP	DIG PROT	% *	15.6	16.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS SPP, AERIAL PART, FRESH, (2)						
REF NO 2-10-329						
DRY MATTER		%	42.7	100.0		1
ORGANIC MATTER		%	37.7	88.3		
ASH		%	5.0	11.7		1
CRUDE FIBER		%	10.9	25.5		1
ETHER EXTRACT		%	0.9	2.1		1
NITROGEN FREE EXTRACT		%	22.5	52.7		1
PROTEIN		%	3.4	8.0		1
CATTLE	DIG PROT	% *	2.0	4.7		
GOATS	DIG PROT	% *	1.7	4.0		
HORSES	DIG PROT	% *	1.8	4.3		
RABBITS	DIG PROT	% *	2.1	4.8		
SHEEP	DIG PROT	% *	1.9	4.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.15	2.70		
SHEEP	DE	MCAL/KG *	1.14	2.67		
CATTLE	ME	MCAL/KG *	0.94	2.21		
SHEEP	ME	MCAL/KG *	0.93	2.19		
CATTLE	NE-M	MCAL/KG *	0.56	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.30	0.70		
CATTLE	NE-LACTATION	MCAL/KG *	0.59	1.39		
CATTLE	TDN	% *	26.1	61.1		
SHEEP	TDN	% *	25.8	60.5		
CALCIUM		%	0.19	0.44		1
COPPER		MG/KG	16.0	37.5		1
IRON		%	0.071	0.049		1
MAGNESIUM		%	0.06	0.14		1
MANGANESE		MG/KG	112.1	262.5		1
PHOSPHORUS		%	(0.06)	(0.14)		1
PHALARIS TUBEROSA, CANARYGRASS, BULB						
PHALARIS TUBEROSA BULB, HAY, S-C, (1)						
REF NO 1-13-760						
DRY MATTER		%		(100.0)		
ORGANIC MATTER		%		(86.0)		
ASH		%		(14.0)		3
CRUDE FIBER		%		(38.1)		3
ETHER EXTRACT		%		(2.7)		3
NITROGEN FREE EXTRACT		%		(45.6)		3
PROTEIN		%		(3.6)		3
CATTLE	DIG PROT	% *				
GOATS	DIG PROT	% *		(-0.1)		
HORSES	DIG PROT	% *		(0.5)		
RABBITS	DIG PROT	% *		(1.4)		
SHEEP	DIG PROT	% *		(-0.2)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		(2.07)		
HORSES	DE	MCAL/KG *		(1.90)		
SHEEP	DE	MCAL/KG *		(2.02)		
CATTLE	ME	MCAL/KG *		(1.70)		
HORSES	ME	MCAL/KG *		(1.56)		
SHEEP	ME	MCAL/KG *		(1.65)		
CATTLE	NE-M	MCAL/KG *		(1.01)		
CATTLE	NE-GAIN	MCAL/KG *		(0.14)		
CATTLE	NE-LACTATION	MCAL/KG *		(0.90)		
CATTLE	TDN	% *		(46.9)		
HORSES	TDN	% *		(47.5)		
SHEEP	TDN	% *		45.8		
CALCIUM		%		0.16		3
PHOSPHORUS		%		0.09		3
PHALARIS TUBEROSA BULB, HAY, S-C, 15 TO 28 DAYS' GROWTH, (1)						
REF NO 1-11-719						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.0		
ASH		%		11.0		2
CRUDE FIBER		%		14.5		2
ETHER EXTRACT		%		4.3		2
NITROGEN FREE EXTRACT		%		48.0		2
PROTEIN		%		22.2		2
CATTLE	DIG PROT	% *		16.2		
GOATS	DIG PROT	% *		17.3		
HORSES	DIG PROT	% *		16.4		
RABBITS	DIG PROT	% *		15.8		
SHEEP	DIG PROT	% *		16.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.31		
SHEEP	DE	MCAL/KG *		3.11		
CATTLE	ME	MCAL/KG *		2.72		
SHEEP	ME	MCAL/KG *		2.55		
CATTLE	NE-M	MCAL/KG *		1.70		
CATTLE	NE-GAIN	MCAL/KG *		1.12		
CATTLE	NE-LACTATION	MCAL/KG *		1.07		
CATTLE	TDN	% *		75.1		
SHEEP	TDN	% *		70.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS TUBEROSA BULB, HAY, 5-C FERTILIZED, LATE VEGETATIVE, (1)						
REF NO 1-13-595						
DRY MATTER		%	92.4	100.0	3	11
PROTEIN		%	23.1	25.0	8	11
CATTLE	DIG PROT	% *	17.2	18.6		
GOATS	DIG PROT	% *	18.4	19.9		
HORSES	DIG PROT	% *	17.4	18.8		
RABBITS	DIG PROT	% *	16.6	18.0		
SHEEP	DIG PROT	% *	17.6	19.0		
PHALARIS TUBEROSA BULB, HAY, 5-C FERTILIZED, CUT 2, (1)						
REF NO 1-13-701						
DRY MATTER		%	93.9	100.0	1	5
PROTEIN		%	23.1	24.6	6	5
CATTLE	DIG PROT	% *	17.2	18.3		
GOATS	DIG PROT	% *	18.4	19.5		
HORSES	DIG PROT	% *	17.3	18.4		
RABBITS	DIG PROT	% *	16.6	17.7		
SHEEP	DIG PROT	% *	17.5	18.7		
FATTY ACIDS		%				
ACETIC		%	5.868	6.250		1
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, (2)						
REF NO 2-13-681						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.4		
ASH		%		4.6		1
CRUDE FIBER		%		14.1		1
ETHER EXTRACT		%		1.5		1
NITROGEN FREE EXTRACT		%		72.5		1
PROTEIN		%		7.3		1
CATTLE	DIG PROT	% *		4.1		
GOATS	DIG PROT	% *		3.4		
HORSES	DIG PROT	% *		3.7		
RABBITS	DIG PROT	% *		4.3		
SHEEP	DIG PROT	% *		3.8		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		3.49		
SHEEP	ME MCAL/KG	*		2.86		
SHEEP	TDN	% *		79.1		
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-11-715						
DRY MATTER		%	29.3	100.0	29	4
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.		3
ORGANIC MATTER		%	25.7	87.5		
ASH		%	3.7	12.5	18	5
CRUDE FIBER		%	8.4	28.8		1
ETHER EXTRACT		%	1.7	5.8		1
NITROGEN FREE EXTRACT		%	8.7	29.8		1
PROTEIN		%	6.8	23.1	10	5
CATTLE	DIG PROT	% *	5.1	17.6		
GOATS	DIG PROT	% *	5.3	18.1		
HORSES	DIG PROT	% *	5.0	17.2		
RABBITS	DIG PROT	% *	4.8	16.5		
SHEEP	DIG PROT	% *	5.4	18.6		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	0.92	3.14		
SHEEP	ME MCAL/KG	*	0.75	2.57		
SHEEP	TDN	% *	20.9	71.1		
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-13-135						
DRY MATTER		%	30.4	100.0	26	12
DM IN VITRO (TILLY)	DIG COEF	%	67.	67.		3
ORGANIC MATTER		%	27.1	89.4		
ASH		%	3.2	10.6		3
PROTEIN		%	4.6	15.1	28	12
CATTLE	DIG PROT	% *	3.3	10.8		
GOATS	DIG PROT	% *	3.2	10.7		
HORSES	DIG PROT	% *	3.2	10.4		
RABBITS	DIG PROT	% *	3.1	10.4		
SHEEP	DIG PROT	% *	3.4	11.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-634						
DRY MATTER		%	39.3	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	59.	59.		1
ORGANIC MATTER		%	36.1	91.9		
ASH		%	3.2	8.1		1
PROTEIN		%	3.7	9.4		1
CATTLE	DIG PROT	% *	2.3	5.9		
GOATS	DIG PROT	% *	2.1	5.3		
HORSES	DIG PROT	% *	2.2	5.5		
RABBITS	DIG PROT	% *	2.3	5.9		
SHEEP	DIG PROT	% *	2.3	5.8		
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)						
REF NO 2-13-682						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.6		
ASH		%		4.4		1
CRUDE FIBER		%		14.5		1
ETHER EXTRACT		%		2.1		1
NITROGEN FREE EXTRACT		%		71.6		1
PROTEIN		%		7.4		1
CATTLE	DIG PROT	% *		4.2		
GOATS	DIG PROT	% *		3.0		
HORSES	DIG PROT	% *		3.8		
RABBITS	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		3.9		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		3.45		
SHEEP	ME MCAL/KG	*		2.83		
SHEEP	TDN	% *		78.3		
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-17-632						
DRY MATTER		%	27.7	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.		2
ORGANIC MATTER		%	25.2	90.8		
ASH		%	2.5	9.2		2
PROTEIN		%	4.1	14.7		2
CATTLE	DIG PROT	% *	2.9	10.3		
GOATS	DIG PROT	% *	2.8	10.2		
HORSES	DIG PROT	% *	2.8	10.0		
RABBITS	DIG PROT	% *	2.8	10.0		
SHEEP	DIG PROT	% *	2.9	10.6		
PHALARIS TUBEROSA BULB, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-17-633						
DRY MATTER		%	29.2	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	50.	50.		3
ORGANIC MATTER		%	53.8	90.9		
ASH		%	5.4	9.1		3
PROTEIN		%	3.4	5.7		3
CATTLE	DIG PROT	% *	1.6	2.7		
GOATS	DIG PROT	% *	1.1	1.9		
HORSES	DIG PROT	% *	1.4	2.4		
RABBITS	DIG PROT	% *	1.8	3.1		
SHEEP	DIG PROT	% *	1.4	2.3		

PHALARIS TUBEROSA, STENOPTERA, MARDINGGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS TUBEROSA, STENOPTERA, HAY, 5-C FERTILIZED, 15 TO 20 DAYS' GROWTH, (1)						
REF NO 1-11-716						
DRY MATTER		%		100.0		
CRUDE FIBER		%		25.6		3
PROTEIN		%		24.3		3
CATTLE	DIG PROT	% *		18.0		
GOATS	DIG PROT	% *		19.2		
HORSES	DIG PROT	% *		18.1		
RABBITS	DIG PROT	% *		17.4		
SHEEP	DIG PROT	% *		18.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHALARIS TUBEROSA, STENOPTERA, HAY, S-C FERTILIZED, 29 TO 42 DAYS' GROWTH, (1)						
REF NO 1-11-717						
DRY MATTER		%		100.0		
CRUDE FIBER		%		28.4		3
PROTEIN		%		20.8		3
CATTLE	DIG PROT	% *		15.0		
GOATS	DIG PROT	% *		16.0		
HORSES	DIG PROT	% *		15.2		
RABBITS	DIG PROT	% *		14.8		
SHEEP	DIG PROT	% *		15.3		
PHALARIS TUBEROSA, STENOPTERA, HAY, S-C FERTILIZED, 43 TO 56 DAYS' GROWTH, (1)						
REF NO 1-11-718						
DRY MATTER		%		100.0		
CRUDE FIBER		%		28.1		3
PROTEIN		%		19.1		3
CATTLE	DIG PROT	% *		13.5		
GOATS	DIG PROT	% *		14.4		
HORSES	DIG PROT	% *		13.7		
RABBITS	DIG PROT	% *		13.4		
SHEEP	DIG PROT	% *		13.7		
PHALARIS TUBEROSA, STENOPTERA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-09-925						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.7		
ASH		%		7.3		1
CRUDE FIBER		%		35.2		1
ETHER EXTRACT		%		1.7		1
NITROGEN FREE EXTRACT		%		48.8		1
PROTEIN		%		7.0		1
CATTLE	DIG PROT	% *		3.8		
GOATS	DIG PROT	% *		3.1		
HORSES	DIG PROT	% *		3.5		
RABBITS	DIG PROT	% *		4.1		
SHEEP	DIG PROT	% *		3.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.30		
SHEEP	DE	MCAL/KG *		2.51		
CATTLE	ME	MCAL/KG *		1.89		
SHEEP	ME	MCAL/KG *		2.06		
CATTLE	NE-M	MCAL/KG *		1.11		
CATTLE	NE-GAIN	MCAL/KG *		0.37		
CATTLE	NE-LACTATION	MCAL/KG *		1.08		
CATTLE	TDN	% *		52.3		
SHEEP	TDN	% *		56.9		
PHALARIS TUBEROSA, STENOPTERA, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-10-812						
DRY MATTER		%	18.7	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	62.	62.		1
PROTEIN		%	3.1	16.5		1
CATTLE	DIG PROT	% *	2.2	11.9		
GOATS	DIG PROT	% *	2.2	12.0		
HORSES	DIG PROT	% *	2.2	11.5		
RABBITS	DIG PROT	% *	2.1	11.4		
SHEEP	DIG PROT	% *	2.3	12.4		
CALCIUM		%	0.03	0.15		1
COPPER		MG/KG	3.4	18.0		1
MAGNESIUM		%	0.04	0.24		1
MANGANESE		MG/KG	8.4	45.0		1
PHOSPHORUS		%	0.06	0.32		1
POTASSIUM		%	0.89	4.77		1
SODIUM		%	0.06	0.31		1
ZINC		MG/KG	4.7	25.0		1
PHALARIS TUBEROSA, STENOPTERA, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-10-814						
DRY MATTER		%	21.4	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	63.	63.		1
PROTEIN		%	3.4	15.7		1
CATTLE	DIG PROT	% *	2.4	11.2		
GOATS	DIG PROT	% *	2.4	11.2		
HORSES	DIG PROT	% *	2.3	10.9		
RABBITS	DIG PROT	% *	2.3	10.8		
SHEEP	DIG PROT	% *	2.5	11.6		
CALCIUM		%	0.02	0.11		1
COPPER		MG/KG	2.8	13.0		1
MAGNESIUM		%	0.05	0.22		1
MANGANESE		MG/KG	9.8	46.0		1
PHOSPHORUS		%	0.09	0.42		1
POTASSIUM		%	0.87	4.06		1
SODIUM		%	0.04	0.20		1
ZINC		MG/KG	5.4	25.0		1
PHALARIS TUBEROSA, STENOPTERA, AERIAL PART, FRESH FERTILIZED, CUT 1, (2)						
REF NO 2-10-813						
DRY MATTER		%	16.5	100.0	8	15
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	2	15
PROTEIN		%	3.1	18.5	9	15
CATTLE	DIG PROT	% *	2.2	13.6		
GOATS	DIG PROT	% *	2.3	13.9		
HORSES	DIG PROT	% *	2.2	13.3		
RABBITS	DIG PROT	% *	2.1	13.0		
SHEEP	DIG PROT	% *	2.4	14.3		
CALCIUM		%	0.03	0.21	10	8
COPPER		MG/KG	3.9	23.6	21	8
MAGNESIUM		%	0.05	0.29	14	8
MANGANESE		MG/KG	8.9	53.9	7	8
PHOSPHORUS		%	0.07	0.46	9	8
POTASSIUM		%	0.77	4.66	15	8
SODIUM		%	0.06	0.37	14	8
ZINC		MG/KG	5.5	33.4	10	8
PHALARIS TUBEROSA, STENOPTERA, AERIAL PART, FRESH FERTILIZED, CUT 2, (2)						
REF NO 2-10-815						
DRY MATTER		%	21.3	100.0	3	15
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	3	15
PROTEIN		%	3.6	16.8	10	15
CATTLE	DIG PROT	% *	2.6	12.2		
GOATS	DIG PROT	% *	2.6	12.2		
HORSES	DIG PROT	% *	2.5	11.8		
RABBITS	DIG PROT	% *	2.5	11.6		
SHEEP	DIG PROT	% *	2.7	12.7		
CALCIUM		%	0.03	0.16	14	8
COPPER		MG/KG	3.3	15.4	19	8
MAGNESIUM		%	0.06	0.28	15	8
MANGANESE		MG/KG	12.1	56.6	13	8
PHOSPHORUS		%	0.10	0.47	10	8
POTASSIUM		%	0.77	3.60	13	8
SODIUM		%	0.05	0.24	15	8
ZINC		MG/KG	6.4	30.0	10	8

PHASEOLUS ARTROPURPUREUS, BEAN, ARTROPURPUREUS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHASEOLUS ARTROPURPUREUS ARTROPURPUREUS, HAY, S-C, (1)						
REF NO 1-11-029						
DRY MATTER		%	91.5	100.0		1
ORGANIC MATTER		%	82.2	89.9		
ASH		%	9.3	10.1		3
CRUDE FIBER		%	32.9	35.9		3
ETHER EXTRACT		%	3.1	3.4		1
NITROGEN FREE EXTRACT		%	29.6	32.4		1
PROTEIN		%	16.6	18.1		3
CATTLE	DIG PROT	% *	11.6	12.7		
GOATS	DIG PROT	% *	12.3	13.5		
HORSES	DIG PROT	% *	11.8	12.9		
RABBITS	DIG PROT	% *	11.6	12.7		
SHEEP	DIG PROT	% *	11.8	12.8		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.14	2.34		
SHEEP	ME	MCAL/KG *	1.75	1.92		
SHEEP	TDN	% *	48.5	53.0		
CALCIUM		%	6.57	7.18		8
PHOSPHORUS		%	0.48	0.52		8
PHASEOLUS ARTROPURPUREUS ARTHOPURPUREUS, AERIAL PART, FRESH, (2)						
REF NO 2-13-702						
DRY MATTER		%	33.0	100.0		1
ORGANIC MATTER		%	29.1	88.2		
ASH		%	3.9	11.8		1
CRUDE FIBER		%	13.2	40.0		1
ETHER EXTRACT		%	1.1	3.2		1
NITROGEN FREE EXTRACT		%	9.5	28.7		1
PROTEIN		%	5.3	16.1		1
CATTLE	DIG PROT	% *	3.8	11.6		
GOATS	DIG PROT	% *	3.8	11.6		
HORSES	DIG PROT	% *	3.7	11.2		
RABBITS	DIG PROT	% *	3.7	11.1		
SHEEP	DIG PROT	% *	4.0	12.0		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.86	2.60		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SHEEP		ME MCAL/KG *	0.72	2.19	
SHEEP		TDN % *	20.0	60.7	

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)

REF NO 2-13-026

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		76.	1
PROTEIN		%		19.2	1
CATTLE	DIG PROT	% *		14.2	
GOATS	DIG PROT	% *		14.5	
HORSES	DIG PROT	% *		13.8	
RABBITS	DIG PROT	% *		13.5	
SHEEP	DIG PROT	% *		14.9	
CELL WALLS (VAN SOEST)		%		42.8	1
CELLULOSE (VAN SOEST)		%		22.7	1
FIBER, ACID DETERGENT (VS)		%		32.4	1
HEMICELLULOSE		%		10.4	1
LIGNIN KMNO4 (VS)		%		7.8	1
ACID INSOLUBLE ASH (SILICA)		%		1.00	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-13-027

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		76.	1
PROTEIN		%		10.5	1
CATTLE	DIG PROT	% *		6.8	
GOATS	DIG PROT	% *		6.4	
HORSES	DIG PROT	% *		6.4	
RABBITS	DIG PROT	% *		6.8	
SHEEP	DIG PROT	% *		6.8	
CELL WALLS (VAN SOEST)		%		42.2	1
CELLULOSE (VAN SOEST)		%		25.6	1
FIBER, ACID DETERGENT (VS)		%		36.9	1
HEMICELLULOSE		%		11.3	1
LIGNIN KMNO4 (VS)		%		8.9	1
ACID INSOLUBLE ASH (SILICA)		%		1.20	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-028

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		75.	1
PROTEIN		%		7.8	1
CATTLE	DIG PROT	% *		4.5	
GOATS	DIG PROT	% *		3.8	
HORSES	DIG PROT	% *		4.2	
RABBITS	DIG PROT	% *		4.7	
SHEEP	DIG PROT	% *		4.3	
CELL WALLS (VAN SOEST)		%		47.0	1
CELLULOSE (VAN SOEST)		%		27.6	1
FIBER, ACID DETERGENT (VS)		%		38.9	1
HEMICELLULOSE		%		8.1	1
LIGNIN KMNO4 (VS)		%		8.7	1
ACID INSOLUBLE ASH (SILICA)		%		2.60	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-13-029

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		74.	1
PROTEIN		%		10.7	1
CATTLE	DIG PROT	% *		7.0	
GOATS	DIG PROT	% *		6.5	
HORSES	DIG PROT	% *		6.6	
RABBITS	DIG PROT	% *		6.9	
SHEEP	DIG PROT	% *		7.0	
CELL WALLS (VAN SOEST)		%		48.7	1
CELLULOSE (VAN SOEST)		%		27.6	1
FIBER, ACID DETERGENT (VS)		%		38.8	1
HEMICELLULOSE		%		9.9	1
LIGNIN KMNO4 (VS)		%		9.4	1
ACID INSOLUBLE ASH (SILICA)		%		1.30	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-030

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		76.	1
PROTEIN		%		8.0	1
CATTLE	DIG PROT	% *		4.7	
GOATS	DIG PROT	% *		4.0	
HORSES	DIG PROT	% *		4.3	
RABBITS	DIG PROT	% *		4.8	
SHEEP	DIG PROT	% *		4.4	
CELL WALLS (VAN SOEST)		%		50.7	1
CELLULOSE (VAN SOEST)		%		29.7	1
FIBER, ACID DETERGENT (VS)		%		39.2	1
HEMICELLULOSE		%		11.5	1
LIGNIN KMNO4 (VS)		%		8.8	1
ACID INSOLUBLE ASH (SILICA)		%		0.70	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-031

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		74.	1
PROTEIN		%		10.7	1
CATTLE	DIG PROT	% *		7.0	
GOATS	DIG PROT	% *		6.5	
HORSES	DIG PROT	% *		6.6	
RABBITS	DIG PROT	% *		6.9	
SHEEP	DIG PROT	% *		7.0	
CELL WALLS (VAN SOEST)		%		44.1	1
CELLULOSE (VAN SOEST)		%		26.7	1
FIBER, ACID DETERGENT (VS)		%		38.5	1
HEMICELLULOSE		%		6.6	1
LIGNIN KMNO4 (VS)		%		10.8	1
ACID INSOLUBLE ASH (SILICA)		%		0.90	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-032

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		74.	1
PROTEIN		%		8.0	1
CATTLE	DIG PROT	% *		4.7	
GOATS	DIG PROT	% *		4.0	
HORSES	DIG PROT	% *		4.3	
RABBITS	DIG PROT	% *		4.8	
SHEEP	DIG PROT	% *		4.4	
CELL WALLS (VAN SOEST)		%		49.3	1
CELLULOSE (VAN SOEST)		%		28.1	1
FIBER, ACID DETERGENT (VS)		%		39.9	1
HEMICELLULOSE		%		9.4	1
LIGNIN KMNO4 (VS)		%		10.8	1
ACID INSOLUBLE ASH (SILICA)		%		0.70	1

PHASEOLUS ARTHROPURPUREUS ARTHROPURPUREUS, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-033

DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		68.	1
PROTEIN		%		8.8	1
CATTLE	DIG PROT	% *		5.4	
GOATS	DIG PROT	% *		4.8	
HORSES	DIG PROT	% *		5.0	
RABBITS	DIG PROT	% *		5.5	
SHEEP	DIG PROT	% *		5.2	
CELL WALLS (VAN SOEST)		%		52.6	1
CELLULOSE (VAN SOEST)		%		30.5	1
FIBER, ACID DETERGENT (VS)		%		43.3	1
HEMICELLULOSE		%		9.3	1
LIGNIN KMNO4 (VS)		%		11.6	1
ACID INSOLUBLE ASH (SILICA)		%		1.00	1

PHASEOLUS LATHYROIDES, BEAN, LATHYROIDES

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
PHASEOLUS LATHYROIDES LATHYROIDES, HAY, S-C, LATE VEGETATIVE, (1)					
REF NO 1-11-828					
DRY MATTER	%	90.8	100.0		1
ORGANIC MATTER	%	83.2	91.6		
ASH	%	7.6	8.4		1
CRUDE FIBER	%	34.5	38.0		1
ETHER EXTRACT	%	1.6	1.8		1
NITROGEN FREE EXTRACT	%	30.7	33.8		1
PROTEIN	%	16.3	18.0		1
CATTLE DIG PROT	% *	11.4	12.5		
GOATS DIG PROT	% *	12.1	13.4		
HORSES DIG PROT	% *	11.6	12.8		
RABBITS DIG PROT	% *	11.4	12.6		
SHEEP DIG PROT	% *	11.5	12.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.13	2.35		
SHEEP DE	MCAL/KG *	2.20	2.43		
CATTLE ME	MCAL/KG *	1.75	1.93		
SHEEP ME	MCAL/KG *	1.81	1.99		
CATTLE NE-M	MCAL/KG *	1.03	1.13		
CATTLE NE-GAIN	MCAL/KG *	0.37	0.41		
CATTLE NE-LACTATION	MCAL/KG *	1.02	1.12		
CATTLE TDN	% *	48.4	53.3		
SHEEP TDN	% *	50.0	55.1		
PHASEOLUS LATHYROIDES LATHYROIDES, AERIAL PART, FRESH, (2)					
REF NO 2-11-671					
DRY MATTER	%	14.3	100.0		2
ORGANIC MATTER	%	13.3	92.9		
ASH	%	1.0	7.1		2
CRUDE FIBER	%	6.4	44.9		2
ETHER EXTRACT	%	0.5	3.6		2
NITROGEN FREE EXTRACT	%	4.0	28.3		2
PROTEIN	%	2.3	16.1		2
CATTLE DIG PROT	% *	1.7	11.6		
GOATS DIG PROT	% *	1.7	11.6		
HORSES DIG PROT	% *	1.6	11.2		
RABBITS DIG PROT	% *	1.6	11.1		
SHEEP DIG PROT	% *	1.7	12.0		
CALCIUM	%	0.11	0.76		1
MAGNESIUM	%	0.02	0.11		1
PHOSPHORUS	%	0.03	0.23		1
POTASSIUM	%	0.22	1.55		1
PHASEOLUS LATHYROIDES LATHYROIDES, AERIAL PART, FRESH, MILK STAGE, (2)					
REF NO 2-13-321					
DRY MATTER	%		100.0		
ALUMINUM	MG/KG		578.00		1
BORON	MG/KG		22.000		1
CALCIUM	%		1.49		1
COPPER	MG/KG		31.0		1
IRON	%		0.413		1
MAGNESIUM	%		0.59		1
MANGANESE	MG/KG		114.0		1
MOLYBDENUM	MG/KG		7.37		1
PHOSPHORUS	%		0.21		1
POTASSIUM	%		1.52		1
SILICON	%		0.72		1
ZINC	MG/KG		43.0		1
PHASEOLUS PANDURATUS, BEAN, PANDURATUS					
PHASEOLUS PANDURATUS PANDURATUS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-13-262					
DRY MATTER	%	29.2	100.0		1
ORGANIC MATTER	%	26.3	89.9		
ASH	%	2.9	10.1		1
CRUDE FIBER	%	8.8	30.1		1
ETHER EXTRACT	%	1.0	3.3		1
NITROGEN FREE EXTRACT	%	12.5	42.7		1
PROTEIN	%	4.0	13.8		1
CATTLE DIG PROT	% *	2.8	9.6		
GOATS DIG PROT	% *	2.8	9.4		
HORSES DIG PROT	% *	2.7	9.2		
RABBITS DIG PROT	% *	2.7	9.3		
SHEEP DIG PROT	% *	2.9	9.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.77	2.64		
SHEEP DE	MCAL/KG *	0.79	2.69		
CATTLE ME	MCAL/KG *	0.63	2.16		
SHEEP ME	MCAL/KG *	0.64	2.21		
CATTLE NE-M	MCAL/KG *	0.37	1.28		
CATTLE NE-GAIN	MCAL/KG *	0.19	0.65		
CATTLE NE-LACTATION	MCAL/KG *	0.39	1.34		
CATTLE TDN	% *	17.5	59.8		
SHEEP TDN	% *	17.8	61.1		
CALCIUM	%	0.10	0.33		1
PHOSPHORUS	%	0.06	0.20		1
PHASEOLUS SPP, BEAN					
PHASEOLUS SPP, SEEDS, (5)					
REF NO 5-00-594					
DRY MATTER	%	68.6	100.0	48	4
ORGANIC MATTER	%	64.7	94.4		
ASH	%	3.9	5.6	38	16
CRUDE FIBER	%	5.4	7.9	86	15
ETHER EXTRACT	%	1.3	1.8	84	16
NITROGEN FREE EXTRACT	%	40.2	58.6	13	15
PROTEIN	%	17.9	26.0	9	16
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.68	3.90		
SHEEP DE	MCAL/KG *	2.49	3.63		
CATTLE ME	MCAL/KG *	2.20	3.20		
SHEEP ME	MCAL/KG *	2.04	2.97		
CATTLE NE-M	MCAL/KG *	1.49	2.17		
CATTLE NE-GAIN	MCAL/KG *	0.98	1.43		
CATTLE NE-LACTATION	MCAL/KG *	1.60	2.33		
CATTLE TDN	% *	60.7	88.5		
SHEEP TDN	% *	56.4	82.2		
CALCIUM	%	0.09	0.13		3
PHOSPHORUS	%	0.26	0.37		3
PHASEOLUS SPP, SEEDS, GRND, (5)					
REF NO 5-10-108					
DRY MATTER	%	90.5	100.0		1
ETHER EXTRACT	%	1.8	2.0		1
PROTEIN	%	28.4	31.4		1
PHASEOLUS VULGARIS, BEAN, KIDNEY					
PHASEOLUS VULGARIS KIDNEY, HAY, S-C, (1)					
REF NO 1-11-670					
DRY MATTER	%	86.0	100.0		1
CRUDE FIBER	%	44.1	51.3		1
PROTEIN	%	4.7	5.5		1
CATTLE DIG PROT	% *	1.4	1.7		
GOATS DIG PROT	% *	1.4	1.7		
HORSES DIG PROT	% *	1.9	2.2		
RABBITS DIG PROT	% *	2.5	2.9		
SHEEP DIG PROT	% *	1.3	1.5		
PHASEOLUS VULGARIS KIDNEY, PODS, S-C, (1)					
REF NO 1-11-712					
DRY MATTER	%	88.6	100.0		1
ORGANIC MATTER	%	84.0	94.8		
ASH	%	4.6	5.2		1
CRUDE FIBER	%	77.6	87.6		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	1.1	1.2		1
PROTEIN	%	4.5	5.1		1
CATTLE DIG PROT	% *	1.2	1.3		
GOATS DIG PROT	% *	1.2	1.3		
HORSES DIG PROT	% *	1.6	1.8		
RABBITS DIG PROT	% *	2.3	2.6		
SHEEP DIG PROT	% *	1.0	1.1		
PHASEOLUS VULGARIS KIDNEY, PODS W SEEDS, S-C, (1)					
REF NO 1-11-713					
DRY MATTER	%	81.8	100.0		1
ORGANIC MATTER	%	74.2	90.7		1
ASH	%	7.6	9.3		1
CRUDE FIBER	%	38.2	46.7		1
ETHER EXTRACT	%	1.7	2.1		1
NITROGEN FREE EXTRACT	%	28.1	34.4		1
PROTEIN	%	6.2	7.6		1
CATTLE DIG PROT	% *	2.9	3.5		
GOATS DIG PROT	% *	3.0	3.6		
HORSES DIG PROT	% *	3.2	4.0		
RABBITS DIG PROT	% *	3.7	4.5		
SHEEP DIG PROT	% *	2.8	3.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.65	2.02		
SHEEP DE	MCAL/KG *	1.73	2.12		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE	MCAL/KG *	1.35	1.65		
SHEEP	NE	MCAL/KG *	1.42	1.74		
CATTLE	NE-M	MCAL/KG *	0.81	0.99		
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.09		
CATTLE	NE-LACTATION	MCAL/KG *	0.70	0.86		
CATTLE		TDN % *	37.4	45.8		
SHEEP		TDN % *	39.3	48.0		
CALCIUM		%	0.58	0.71		1
IRON		%	0.016	0.020		1
PHOSPHORUS		%	0.12	0.15		1

PHASEOLUS VULGARIS KIDNEY, SEED SKINS, GRND, (1)

REF NO 1-09-630

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.7		
ASH		%		5.3		1
CRUDE FIBER		%		31.1		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		58.6		1
PROTEIN		%		3.9		1
CATTLE	DIG PROT	% *		0.3		
GOATS	DIG PROT	% *		0.2		
HORSES	DIG PROT	% *		0.8		
RABBITS	DIG PROT	% *		1.7		
SHEEP	DIG PROT	% *		0.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.24		
HORSES	DE	MCAL/KG *		1.30		
SHEEP	DE	MCAL/KG *		2.27		
CATTLE	ME	MCAL/KG *		1.83		
HORSES	ME	MCAL/KG *		1.06		
SHEEP	ME	MCAL/KG *		1.86		
CATTLE	NE-M	MCAL/KG *		1.08		
CATTLE	NE-GAIN	MCAL/KG *		0.31		
CATTLE	NE-LACTATION	MCAL/KG *		1.03		
CATTLE		TDN % *		50.7		
HORSES		TDN % *		30.8		
SHEEP		TDN % *		51.5		

PHASEOLUS VULGARIS KIDNEY, STRAW, (1)

REF NO 1-00-598

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.5	100.0		3
ORGANIC MATTER		%	80.4	91.8		2
ASH		%	6.9	7.8		3
CRUDE FIBER		%	49.8	56.9		3
ETHER EXTRACT		%	1.5	1.7		3
NITROGEN FREE EXTRACT		%	24.8	28.3		3
PROTEIN		%	4.6	5.3		3
CATTLE	DIG PROT	% *	1.3	1.5		
GOATS	DIG PROT	% *	1.3	1.5		
HORSES	DIG PROT	% *	1.7	2.0		
RABBITS	DIG PROT	% *	2.4	2.7		
SHEEP	DIG PROT	% *	1.1	1.3		
CALCIUM		%	1.52	1.73		3
IRON		%	0.033	0.038		2
PHOSPHORUS		%	0.18	0.20		3

PHASEOLUS VULGARIS KIDNEY, STRAW, GRND, (1)

REF NO 1-09-749

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.0		
ASH		%		6.0		1
CRUDE FIBER		%		35.2		1
ETHER EXTRACT		%		0.8		1
NITROGEN FREE EXTRACT		%		52.7		1
PROTEIN		%		5.3		1
CATTLE	DIG PROT	% *		1.5		
GOATS	DIG PROT	% *		1.5		
HORSES	DIG PROT	% *		2.0		
RABBITS	DIG PROT	% *		2.8		
SHEEP	DIG PROT	% *		1.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.22		
HORSES	DE	MCAL/KG *		1.31		
SHEEP	DE	MCAL/KG *		2.24		
CATTLE	ME	MCAL/KG *		1.82		
HORSES	ME	MCAL/KG *		1.07		
SHEEP	ME	MCAL/KG *		1.84		
CATTLE	NE-M	MCAL/KG *		1.07		
CATTLE	NE-GAIN	MCAL/KG *		0.29		
CATTLE	NE-LACTATION	MCAL/KG *		1.02		
CATTLE		TDN % *		50.3		
HORSES		TDN % *		31.2		
SHEEP		TDN % *		50.9		

PHASEOLUS VULGARIS KIDNEY, AERIAL PART, FRESH, (2)

REF NO 2-11-711

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.1		
ASH		%		13.9		2
CRUDE FIBER		%		34.1		2
ETHER EXTRACT		%		2.3		2
NITROGEN FREE EXTRACT		%		32.9		2
PROTEIN		%		16.8		2
CATTLE	DIG PROT	% *		12.2		
GOATS	DIG PROT	% *		12.2		
HORSES	DIG PROT	% *		11.8		
RABBITS	DIG PROT	% *		11.7		
SHEEP	DIG PROT	% *		12.7		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.56		
SHEEP	ME	MCAL/KG *		2.10		
SHEEP		TDN % *		58.1		

PHASEOLUS VULGARIS KIDNEY, AERIAL PART W PODS W SEEDS, FRESH, (2)

REF NO 2-17-404

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	33.5	100.0		1
ORGANIC MATTER		%	31.4	93.8		
ASH		%	2.1	6.2		1
CRUDE FIBER		%	10.7	32.0		1
ETHER EXTRACT		%	0.5	1.6		1
NITROGEN FREE EXTRACT		%	13.3	39.6		1
PROTEIN		%	6.9	20.6		1
CATTLE	DIG PROT	% *	5.2	15.4		
GOATS	DIG PROT	% *	5.3	15.8		
HORSES	DIG PROT	% *	5.0	15.0		
RABBITS	DIG PROT	% *	4.9	14.6		
SHEEP	DIG PROT	% *	5.4	16.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.96	2.86		
SHEEP	DE	MCAL/KG *	0.93	2.76		
CATTLE	ME	MCAL/KG *	0.79	2.35		
SHEEP	ME	MCAL/KG *	0.76	2.27		
CATTLE	NE-M	MCAL/KG *	0.47	1.41		
CATTLE	NE-GAIN	MCAL/KG *	0.27	0.82		
CATTLE	NE-LACTATION	MCAL/KG *	0.51	1.52		
CATTLE		TDN % *	21.7	64.9		
SHEEP		TDN % *	21.0	62.7		

PHASEOLUS VULGARIS KIDNEY, PODS W SEEDS, (5)

REF NO 5-17-405

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	83.9	100.0		1
ORGANIC MATTER		%	80.7	96.2		
ASH		%	3.2	3.8		1
CRUDE FIBER		%	17.1	20.4		1
ETHER EXTRACT		%	0.3	0.3		1
NITROGEN FREE EXTRACT		%	34.1	40.6		1
PROTEIN		%	29.3	34.9		1

PHASEOLUS VULGARIS KIDNEY, SEEDS, (5)

REF NO 5-00-600

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.4	100.0	1	50
ORGANIC MATTER		%	86.7	95.8	16	29
ASH		%	3.8	4.2	16	64
SHEEP	DIG COEF	%	20.	20.		
CRUDE FIBER		%	4.6	5.0	22	64
SHEEP	DIG COEF	%	49.	49.		1
ETHER EXTRACT		%	2.5	2.8	98	64
SHEEP	DIG COEF	%	35.	35.		1
NITROGEN FREE EXTRACT		%	57.8	64.0	4	61
SHEEP	DIG COEF	%	88.	88.		1
PROTEIN		%	21.7	24.0	9	66
SHEEP	DIG COEF	%	67.	67.		1
SHEEP	DIG PROT	%	14.6	16.1		
ENERGY	GE	KCAL/KG	3462.	3828.		1
CATTLE	DE	MCAL/KG *	3.92	4.33		
SHEEP	DE	MCAL/KG *	3.07	3.40		
CATTLE	ME	MCAL/KG *	3.21	3.55		
SHEEP	ME	MCAL/KG *	2.52	2.79		
CATTLE	NE-M	MCAL/KG *	2.35	2.60		
CATTLE	NE-GAIN	MCAL/KG *	1.46	1.61		
CATTLE	NE-LACTATION	MCAL/KG *	2.41	2.67		
CATTLE		TDN % *	88.9	98.3		
SHEEP		TDN %	69.7	77.1		1
CALCIUM		%	0.18	0.20	33	28
IRON		%	0.006	0.007		1
PHOSPHORUS		%	(0.44)	(0.49)	11	29
POTASSIUM		%	(0.99)	(1.10)		1
SODIUM		%	0.01	0.01		1
ASCORBIC ACID		MG/KG	30.6	33.9		1
NIACIN		MG/KG	21.1	23.3		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RIBOFLAVIN		MG/KG	2.2	2.4		2
THIAMINE		MG/KG	5.4	5.9		2

PHASEOLUS VULGARIS KIDNEY, SEEDS, COOKED, (5)

REF NO 5-13-480

DRY MATTER		%		10.8	100.0		1
ORGANIC MATTER		%		10.3	95.4		
ASH		%		0.5	4.6		1
CRUDE FIBER		%		1.6	14.8		1
ETHER EXTRACT		%		0.2	1.9		1
NITROGEN FREE EXTRACT		%		5.7	52.8		
PROTEIN		%		2.8	25.9		1
ENERGY	GE	KCAL/KG					
CATTLE	DE	MCAL/KG	*	0.35	3.29		
SHEEP	DE	MCAL/KG	*	0.36	3.31		
CATTLE	ME	MCAL/KG	*	0.29	2.69		
SHEEP	ME	MCAL/KG	*	0.29	2.72		
CATTLE	NE-M	MCAL/KG	*	0.18	1.68		
CATTLE	NE-GAIN	MCAL/KG	*	0.12	1.10		
CATTLE	NE-LACTATION	MCAL/KG	*	0.20	1.85		
CATTLE		TDN	% *	8.1	74.5		
SHEEP		TDN	% *	8.1	75.1		
CALCIUM		%		0.05	0.46		1
IRON		%		0.001	0.009		1
PHOSPHORUS		%		0.04	0.37		1
ASCORBIC ACID		MG/KG		157.0	1453.7		1
NIACIN		MG/KG		9.6	88.9		1
RIBOFLAVIN		MG/KG		2.3	21.3		1
THIAMINE		MG/KG		0.9	8.3		1
VITAMIN A EQUIV		IU/G		10.5	97.2		

PHASEOLUS VULGARIS KIDNEY, SEEDS, COOKED DEHY GRND, (5)

REF NO 5-11-714

DRY MATTER		%		92.9	100.0		1
ORGANIC MATTER		%		89.5	96.3		1
ASH		%		3.4	3.7		1
CRUDE FIBER		%		5.0	5.4		1
ETHER EXTRACT		%		1.6	1.7		1
NITROGEN FREE EXTRACT		%		59.4	63.9		1
PROTEIN		%		23.5	25.3		1
ENERGY	GE	KCAL/KG					
CATTLE	DE	MCAL/KG	*	4.12	4.43		
SHEEP	DE	MCAL/KG	*	3.61	3.89		
CATTLE	ME	MCAL/KG	*	3.38	3.63		
SHEEP	ME	MCAL/KG	*	2.96	3.19		
CATTLE	NE-M	MCAL/KG	*	2.52	2.71		
CATTLE	NE-GAIN	MCAL/KG	*	1.53	1.65		
CATTLE	NE-LACTATION	MCAL/KG	*	2.55	2.75		
CATTLE		TDN	% *	93.4	100.5		
SHEEP		TDN	% *	81.9	88.1		

PHASEOLUS VULGARIS KIDNEY, SEEDS, TOASTED, (5)

REF NO 5-13-219

DRY MATTER		%		93.1	100.0		1
ORGANIC MATTER		%		89.6	96.2		
ASH		%		3.5	3.8		1
CRUDE FIBER		%		4.1	4.4		1
ETHER EXTRACT		%		1.6	1.7		1
NITROGEN FREE EXTRACT		%		60.5	65.0		
PROTEIN		%		23.4	25.1		1
ENERGY	GE	KCAL/KG					
CATTLE	DE	MCAL/KG	*	4.23	4.55		
SHEEP	DE	MCAL/KG	*	3.66	3.93		
CATTLE	ME	MCAL/KG	*	3.47	3.73		
SHEEP	ME	MCAL/KG	*	3.00	3.22		
CATTLE	NE-M	MCAL/KG	*	2.65	2.84		
CATTLE	NE-GAIN	MCAL/KG	*	1.57	1.69		
CATTLE	NE-LACTATION	MCAL/KG	*	2.64	2.84		
CATTLE		TDN	% *	96.0	103.1		
SHEEP		TDN	% *	83.0	89.2		
CALCIUM		%		0.16	0.17		1
IRON		%		0.007	0.008		1
PHOSPHORUS		%		0.32	0.34		1
ASCORBIC ACID		MG/KG		8.2	8.8		1
NIACIN		MG/KG		16.2	17.4		1
RIBOFLAVIN		MG/KG		1.8	1.9		1
THIAMINE		MG/KG		1.6	1.7		1

PHLEUM PRATENSE, TIMOTHY

PHLEUM PRATENSE, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-056

DRY MATTER		%		38.2	100.0	25	5
OM IN VITRO (TILLY)	DIG COEF	%		55.	55.		3
PROTEIN		%		5.2	13.7	5	3
CATTLE	DIG PROT	%	*	3.6	9.5		
GOATS	DIG PROT	%	*	3.6	9.3		
HORSES	DIG PROT	%	*	3.5	9.1		
RABBITS	DIG PROT	%	*	3.5	9.2		
SHEEP	DIG PROT	%	*	3.7	9.7		

PHLEUM PRATENSE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-058

DRY MATTER		%		32.6	100.0		3
PROTEIN		%		3.1	9.5		3
CATTLE	DIG PROT	%	*	1.9	6.0		
GOATS	DIG PROT	%	*	1.8	5.4		
HORSES	DIG PROT	%	*	1.8	5.6		
RABBITS	DIG PROT	%	*	2.0	6.0		
SHEEP	DIG PROT	%	*	1.9	5.8		

PHLEUM PRATENSE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-13-057

DRY MATTER		%		31.9	100.0	19	4
OM IN VITRO (TILLY)	DIG COEF	%		63.	63.	4	4
PROTEIN		%		4.4	13.8	10	4
CATTLE	DIG PROT	%	*	3.1	9.6		
GOATS	DIG PROT	%	*	3.0	9.4		
HORSES	DIG PROT	%	*	2.9	9.2		
RABBITS	DIG PROT	%	*	3.0	9.3		
SHEEP	DIG PROT	%	*	3.1	9.8		

PHLEUM PRATENSE, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-808

DRY MATTER		%		21.4	100.0		1
ORGANIC MATTER		%		19.8	92.3		
ASH		%		1.6	7.7		1
CRUDE FIBER		%		6.6	31.0		1
ETHER EXTRACT		%		0.6	2.9		1
NITROGEN FREE EXTRACT		%		11.1	51.7		1
PROTEIN		%		1.4	6.7		1
CATTLE	DIG PROT	%	*	0.8	3.6		
GOATS	DIG PROT	%	*	0.6	2.8		
HORSES	DIG PROT	%	*	0.7	3.2		
RABBITS	DIG PROT	%	*	0.8	3.8		
SHEEP	DIG PROT	%	*	0.7	3.2		
ENERGY	GE	KCAL/KG					
CATTLE	DE	MCAL/KG	*	0.56	2.61		
SHEEP	DE	MCAL/KG	*	0.56	2.61		
CATTLE	ME	MCAL/KG	*	0.46	2.14		
SHEEP	ME	MCAL/KG	*	0.46	2.14		
CATTLE	NE-M	MCAL/KG	*	0.27	1.27		
CATTLE	NE-GAIN	MCAL/KG	*	0.14	0.63		
CATTLE	NE-LACTATION	MCAL/KG	*	0.28	1.32		
CATTLE		TDN	% *	12.7	59.2		
SHEEP		TDN	% *	12.7	59.3		
CALCIUM		%		0.09	0.41		1
COPPER		MG/KG		1.7	7.9		1
IRON		%		0.004	0.021		1
MAGNESIUM		%		0.02	0.09		1
MANGANESE		MG/KG		30.4	142.0		1
PHOSPHORUS		%		0.06	0.26		1
POTASSIUM		%		0.47	2.21		1
SODIUM		%		0.02	0.08		1

PHLEUM PRATENSE, AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)

REF NO 2-13-059

DRY MATTER		%		26.5	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%		62.	62.		2
PROTEIN		%		3.0	11.2		2
CATTLE	DIG PROT	%	*	2.0	7.4		
GOATS	DIG PROT	%	*	1.8	7.0		
HORSES	DIG PROT	%	*	1.9	7.0		
RABBITS	DIG PROT	%	*	1.9	7.3		
SHEEP	DIG PROT	%	*	2.0	7.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHLEUM PRATENSE, AERIAL PART, FRESH, EARLY BLOOM, CUT 3, (2)						
REF NO 2-13-060						
DRY MATTER		%	31.2	100.0	22	4
DM IN VITRO (TILLY)	DIG COEF	%	70.	70.		2
PROTEIN		%	4.7	15.0	51	4
CATTLE	DIG PROT	% *	3.3	10.6		
GOATS	DIG PROT	% *	3.3	10.6		
HORSES	DIG PROT	% *	3.2	10.3		
RABBITS	DIG PROT	% *	3.2	10.3		
SHEEP	DIG PROT	% *	3.4	11.0		
PHLEUM PRATENSE, AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)						
REF NO 2-10-807						
DRY MATTER		%	25.8	100.0		2
ORGANIC MATTER		%	23.1	89.7		
ASH		%	2.7	10.3		2
CRUDE FIBER		%	9.1	35.2		2
ETHER EXTRACT		%	1.0	4.0		2
NITROGEN FREE EXTRACT		%	11.3	43.9		2
PROTEIN		%	1.7	6.7		2
CATTLE	DIG PROT	% *	0.9	3.5		
GOATS	DIG PROT	% *	0.7	2.8		
HORSES	DIG PROT	% *	0.8	3.2		
RABBITS	DIG PROT	% *	1.0	3.8		
SHEEP	DIG PROT	% *	0.8	3.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.60	2.31		
SHEEP	DE	MCAL/KG *	0.64	2.48		
CATTLE	ME	MCAL/KG *	0.49	1.89		
SHEEP	ME	MCAL/KG *	0.52	2.03		
CATTLE	NE-M	MCAL/KG *	0.29	1.12		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.38		
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.09		
CATTLE	TDN	% *	13.5	52.4		
SHEEP	TDN	% *	14.5	56.2		
PHLEUM PRATENSE, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-10-809						
DRY MATTER		%	22.8	100.0		1
ORGANIC MATTER		%	19.9	87.3		
ASH		%	2.9	12.7		1
CRUDE FIBER		%	7.1	31.0		1
ETHER EXTRACT		%	1.0	4.6		1
NITROGEN FREE EXTRACT		%	8.7	38.1		1
PROTEIN		%	3.1	13.6		1
CATTLE	DIG PROT	% *	2.2	9.5		
GOATS	DIG PROT	% *	2.1	9.2		
HORSES	DIG PROT	% *	2.1	9.1		
RABBITS	DIG PROT	% *	2.1	9.2		
SHEEP	DIG PROT	% *	2.2	9.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.48		
SHEEP	DE	MCAL/KG *	0.61	2.67		
CATTLE	ME	MCAL/KG *	0.46	2.03		
SHEEP	ME	MCAL/KG *	0.50	2.19		
CATTLE	NE-M	MCAL/KG *	0.27	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.52		
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.22		
CATTLE	TDN	% *	12.8	56.2		
SHEEP	TDN	% *	13.8	60.5		
CALCIUM		%	0.09	0.40		1
COPPER		MG/KG	1.9	8.2		1
IRON		%	0.010	0.046		1
MAGNESIUM		%	0.03	0.12		1
MANGANESE		MG/KG	11.8	51.6		1
PHOSPHORUS		%	0.07	0.30		1
POTASSIUM		%	0.62	2.73		1
SODIUM		%	0.02	0.08		1
PHLEUM PRATENSE, AERIAL PART W MOLASSES ADDED, ENSILED, MILK STAGE, (3)						
REF NO 3-04-947						
DRY MATTER		%	92.4	100.0		1
ORGANIC MATTER		%	90.7	98.2		
ASH		%	1.7	1.8		1
CRUDE FIBER		%	2.1	2.3		1
ETHER EXTRACT		%	2.0	2.2		1
NITROGEN FREE EXTRACT		%	74.4	80.5		1
PROTEIN		%	12.2	13.2		1
CATTLE	DIG PROT	% *	7.6	8.2		
GOATS	DIG PROT	% *	7.6	8.2		
HORSES	DIG PROT	% *	7.6	8.2		
SHEEP	DIG PROT	% *	7.6	8.2		
CALCIUM		%	0.06	0.06		1
PHOSPHORUS		%	0.22	0.24		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PILOCEREUS GOUNELLEI, PILOCEREUS, GOUNELLE						
PILOCEREUS GOUNELLEI GOUNELLE, AERIAL PART, FRESH, (2)						
REF NO 2-09-634						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.4		
ASH		%		13.6		1
CRUDE FIBER		%		32.0		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		45.8		1
PROTEIN		%		7.5		1
CATTLE	DIG PROT	% *		4.2		
GOATS	DIG PROT	% *		3.5		
HORSES	DIG PROT	% *		3.9		
RABBITS	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		4.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.52		
SHEEP	DE	MCAL/KG *		2.40		
CATTLE	ME	MCAL/KG *		2.07		
SHEEP	ME	MCAL/KG *		1.97		
CATTLE	NE-M	MCAL/KG *		1.22		
CATTLE	NE-GAIN	MCAL/KG *		0.56		
CATTLE	NE-LACTATION	MCAL/KG *		1.26		
CATTLE	TDN	% *		57.3		
SHEEP	TDN	% *		54.4		
PINEAPPLE BRAN DRIED =SEE ANANAS COMOSUS, CANNERY RESIDUE, DEHY, (4)						
PINEAPPLE PULP DRIED =SEE ANANAS COMOSUS, CANNERY RESIDUE, DEHY, (4)						
PIPTADENIA MACROCARPA, PIPTADENIA, LONGPOD						
PIPTADENIA MACROCARPA LONGPOD, BROWSE, FRESH, DOUGH STAGE, (2)						
REF NO 2-13-281						
DRY MATTER		%	37.8	100.0		1
ORGANIC MATTER		%	34.5	91.4		
ASH		%	3.3	8.6		1
CRUDE FIBER		%	11.4	30.1		1
ETHER EXTRACT		%	5.9	15.7		1
NITROGEN FREE EXTRACT		%	11.7	31.0		1
PROTEIN		%	5.5	14.6		1
CATTLE	DIG PROT	% *	3.9	10.3		
GOATS	DIG PROT	% *	3.8	10.2		
HORSES	DIG PROT	% *	3.8	9.9		
RABBITS	DIG PROT	% *	3.8	9.9		
SHEEP	DIG PROT	% *	4.0	10.6		
CALCIUM		%	0.94	2.48		1
PHOSPHORUS		%	0.05	0.12		1
PIPTADENIA MONILIFORMS						
PIPTADENIA MONILIFORMS MONILIFORMS, BROWSE, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-13-279						
DRY MATTER		%	43.1	100.0		1
ORGANIC MATTER		%	41.4	96.1		
ASH		%	1.7	3.9		1
CRUDE FIBER		%	9.9	23.0		1
ETHER EXTRACT		%	1.6	3.7		1
NITROGEN FREE EXTRACT		%	23.1	53.6		1
PROTEIN		%	6.8	15.8		1
CATTLE	DIG PROT	% *	4.9	11.3		
GOATS	DIG PROT	% *	4.9	11.3		
HORSES	DIG PROT	% *	4.7	10.9		
RABBITS	DIG PROT	% *	4.7	10.9		
SHEEP	DIG PROT	% *	5.0	11.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.67	3.86		
SHEEP	DE	MCAL/KG *	1.32	3.06		
CATTLE	ME	MCAL/KG *	1.37	3.17		
SHEEP	ME	MCAL/KG *	1.08	2.51		
CATTLE	NE-M	MCAL/KG *	0.92	2.14		
CATTLE	NE-GAIN	MCAL/KG *	0.61	1.41		
CATTLE	NE-LACTATION	MCAL/KG *	0.99	2.30		
CATTLE	TDN	% *	37.8	87.6		
SHEEP	TDN	% *	29.9	69.4		
CALCIUM		%	0.28	0.66		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PHOSPHORUS		%	0.03	0.08		1

PIPTADENIA SPP, PIPTADENIA

PIPTADENIA SPP, PODS, FRESH, (2)

REF NO 2-09-641

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.8		
ASH		%		6.2		1
CRUDE FIBER		%		34.1		1
ETHER EXTRACT		%		10.9		1
NITROGEN FREE EXTRACT		%		37.2		1
PROTEIN		%		11.6		1
CATTLE	DIG PROT	% *		7.7		
GOATS	DIG PROT	% *		7.4		
HORSES	DIG PROT	% *		7.4		
RABBITS	DIG PROT	% *		7.6		
SHEEP	DIG PROT	% *		7.8		

PIPTADENIA STIPULACEA

PIPTADENIA STIPULACEA STIPULACEA, BROWSE, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-280

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	30.5	100.0		1
ORGANIC MATTER		%	29.1	95.3		
ASH		%	1.4	4.7		1
CRUDE FIBER		%	7.9	25.8		1
ETHER EXTRACT		%	2.3	7.7		1
NITROGEN FREE EXTRACT		%	12.7	41.6		1
PROTEIN		%	6.2	20.2		1
CATTLE	DIG PROT	% *	4.6	15.1		
GOATS	DIG PROT	% *	4.7	15.4		
HORSES	DIG PROT	% *	4.5	14.7		
RABBITS	DIG PROT	% *	4.4	14.3		
SHEEP	DIG PROT	% *	4.8	15.8		
CALCIUM		%	0.37	1.21		1
PHOSPHORUS		%	0.04	0.13		1

PIPTOCHAETIUM NAPOSTAENSE, RICEGRASS, NAPUSTAENSE

PIPTOCHAETIUM NAPUSTAENSE NAPOSTAENSE, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-17-635

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	37.6	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	66.	66.		1
ORGANIC MATTER		%	33.8	90.0		
ASH		%	3.8	10.0		1
PROTEIN		%	8.2	21.9		1
CATTLE	DIG PROT	% *	6.2	16.5		
GOATS	DIG PROT	% *	6.4	17.0		
HORSES	DIG PROT	% *	6.1	16.1		
RABBITS	DIG PROT	% *	5.9	15.6		
SHEEP	DIG PROT	% *	6.5	17.4		

PIPTOCHAETIUM NAPUSTAENSE NAPOSTAENSE, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-638

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.2	100.0	6	4
DM IN VITRO (TILLY)	DIG COEF	%	61.	61.	2	4
ORGANIC MATTER		%	29.7	92.3		
ASH		%	2.5	7.7	10	4
PROTEIN		%	4.3	13.2	3	4
CATTLE	DIG PROT	% *	2.9	9.1		
GOATS	DIG PROT	% *	2.9	8.9		
HORSES	DIG PROT	% *	2.8	8.8		
RABBITS	DIG PROT	% *	2.9	8.9		
SHEEP	DIG PROT	% *	3.0	9.3		

PIPTOCHAETIUM NAPUSTAENSE NAPOSTAENSE, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-637

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	33.3	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	57.	57.		2
ORGANIC MATTER		%	31.2	93.6		
ASH		%	2.1	6.4		2
PROTEIN		%	3.3	10.0		2
CATTLE	DIG PROT	% *	2.1	6.4		
GOATS	DIG PROT	% *	2.0	5.9		
HORSES	DIG PROT	% *	2.0	6.0		
RABBITS	DIG PROT	% *	2.1	6.4		
SHEEP	DIG PROT	% *	2.1	6.3		

PIPTOCHAETIUM NAPUSTAENSE NAPOSTAENSE, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-17-639

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	35.4	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	62.	62.		2
ORGANIC MATTER		%	33.0	93.3		
ASH		%	2.4	6.7		2
PROTEIN		%	4.2	11.9		2
CATTLE	DIG PROT	% *	2.8	8.0		
GOATS	DIG PROT	% *	2.7	7.7		
HORSES	DIG PROT	% *	2.7	7.6		
RABBITS	DIG PROT	% *	2.8	7.9		
SHEEP	DIG PROT	% *	2.9	8.1		

PIPTOCHAETIUM NAPUSTAENSE NAPUSTAENSE, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-17-636

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	47.5	100.0	6	4
DM IN VITRO (TILLY)	DIG COEF	%	45.	45.	12	4
ORGANIC MATTER		%	44.8	94.4		
ASH		%	2.7	5.6	11	4
PROTEIN		%	3.6	7.7	18	4
CATTLE	DIG PROT	% *	2.1	4.4		
GOATS	DIG PROT	% *	1.8	3.7		
HORSES	DIG PROT	% *	1.9	4.0		
RABBITS	DIG PROT	% *	2.2	4.6		
SHEEP	DIG PROT	% *	2.0	4.1		

PISUM SATIVUM, PEA, GARDEN

PISUM SATIVUM GARDEN, PODS, DEHY, (1)

REF NO 1-11-969

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	82.7	100.0		1
ORGANIC MATTER		%	72.2	87.3		
ASH		%	10.5	12.7		1
CRUDE FIBER		%	37.2	45.0		1
ETHER EXTRACT		%	0.3	0.4		1
NITROGEN FREE EXTRACT		%	29.6	35.8		1
PROTEIN		%	5.1	6.2		1
CATTLE	DIG PROT	% *	1.9	2.3		
GOATS	DIG PROT	% *	1.9	2.3		
HORSES	DIG PROT	% *	2.3	2.8		
RABBITS	DIG PROT	% *	2.8	3.4		
SHEEP	DIG PROT	% *	1.7	2.1		

PISUM SATIVUM GARDEN, SEEDS, (5)

REF NO 5-08-482

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.6	100.0		2
ORGANIC MATTER		%	(89.4)	(97.6)		
ASH		%	(2.2)	(2.4)		2
CRUDE FIBER		%	(6.0)	(6.6)		2
ETHER EXTRACT		%	(1.0)	(1.1)		2
NITROGEN FREE EXTRACT		%	(57.1)	(62.4)		
PROTEIN		%	(25.2)	(27.5)		2
ENERGY	GE	KCAL/KG				
SHEEP	DE	KCAL/KG *	(3.54)	(3.86)		
SHEEP	ME	KCAL/KG *	(2.90)	(3.17)		
SHEEP	TDN	% *	80.2	87.5		
CALCIUM		%	0.10	0.11		2
IRON		%	0.008	0.009		2
PHOSPHORUS		%	0.41	0.45		2
ASCORBIC ACID		MG/KG	18.2	19.9		2
NIACIN		MG/KG	20.5	22.3		2
RIBOFLAVIN		MG/KG	2.2	2.4		2
THIAMINE		MG/KG	3.5	3.8		2

PISUM SATIVUM GARDEN, SEEDS, COOKED, (5)

REF NO 5-13-479

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.8	100.0		1
ORGANIC MATTER		%	18.0	95.7		
ASH		%	0.8	4.3		1
CRUDE FIBER		%	2.2	11.7		1
ETHER EXTRACT		%	0.4	2.1		1
NITROGEN FREE EXTRACT		%	9.0	47.9		
PROTEIN		%	6.4	34.0		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *	0.66	3.51		
SHEEP	DE	KCAL/KG *	0.66	3.52		
CATTLE	ME	KCAL/KG *	0.54	2.88		
SHEEP	ME	KCAL/KG *	0.54	2.89		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-M	MCAL/KG *	0.35	1.85		
CATTLE NE-GAIN	MCAL/KG *	0.23	1.23		
CATTLE NE-LACTATION	MCAL/KG *	0.38	2.03		
CATTLE	TDN % *	15.0	79.6		
SHEEP	TDN % *	15.0	79.9		
CALCIUM	%	0.05	0.27		1
IRON	%	0.002	0.011		1
PHOSPHORUS	%	0.09	0.48		1
ASCORBIC ACID	MG/KG	326.0	1734.0		1
NIACIN	MG/KG	10.1	53.7		1
RIBOFLAVIN	MG/KG	1.4	7.4		1
THIAMINE	MG/KG	2.2	11.7		1
VITAMIN A EQUIV	IU/G	25.8	137.4		

PISUM SATIVUM GARDEN, SEEDS, FRESH, (5)

REF NO 5-11-970

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	34.8	100.0		1
ORGANIC MATTER	%	33.6	96.6		
ASH	%	1.2	3.4		1
CRUDE FIBER	%	3.5	10.1		1
ETHER EXTRACT	%	0.8	2.3		1
NITROGEN FREE EXTRACT	%	21.5	61.8		1
PROTEIN	%	7.8	22.4		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.36	3.91		
SHEEP	DE MCAL/KG *	1.28	3.68		
CATTLE	ME MCAL/KG *	1.12	3.21		
SHEEP	ME MCAL/KG *	1.05	3.02		
CATTLE	NE-M MCAL/KG *	0.76	2.18		
CATTLE	NE-GAIN MCAL/KG *	0.50	1.43		
CATTLE	NE-LACTATION MCAL/KG *	0.81	2.34		
CATTLE	TDN % *	30.9	88.7		
SHEEP	TDN % *	29.0	83.4		

PISUM SATIVUM GARDEN, SEEDS, S-C, (5)

REF NO 5-11-973

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.5	100.0		1
ORGANIC MATTER	%	82.7	96.7		
ASH	%	2.8	3.3		1
CRUDE FIBER	%	4.1	4.8		1
ETHER EXTRACT	%	1.7	2.0		1
NITROGEN FREE EXTRACT	%	56.0	65.5		1
PROTEIN	%	20.9	24.4		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.87	4.53		
SHEEP	DE MCAL/KG *	3.39	3.96		
CATTLE	ME MCAL/KG *	3.18	3.72		
SHEEP	ME MCAL/KG *	2.78	3.25		
CATTLE	NE-M MCAL/KG *	2.41	2.82		
CATTLE	NE-GAIN MCAL/KG *	1.44	1.68		
CATTLE	NE-LACTATION MCAL/KG *	2.41	2.82		
CATTLE	TDN % *	87.9	102.8		
SHEEP	TDN % *	76.8	89.9		

PISUM SATIVUM GARDEN, SEEDS, TOASTED, (5)

REF NO 5-13-218

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.7	100.0		1
ORGANIC MATTER	%	87.3	97.3		
ASH	%	2.4	2.7		1
CRUDE FIBER	%	7.0	7.8		1
ETHER EXTRACT	%	1.0	1.1		1
NITROGEN FREE EXTRACT	%	54.5	60.8		
PROTEIN	%	24.8	27.6		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	3.39	3.78		
SHEEP	ME MCAL/KG *	2.78	3.10		
SHEEP	TDN % *	76.9	85.7		
CALCIUM	%	0.07	0.08		1
IRON	%	0.005	0.006		1
PHOSPHORUS	%	0.33	0.37		1
ASCORBIC ACID	MG/KG	10.2	11.4		1
NIACIN	MG/KG	26.0	29.0		1
RIBOFLAVIN	MG/KG	3.3	3.7		1
THIAMINE	MG/KG	1.6	1.8		1

PISUM SPP, PEA

PISUM SPP, PODS, ENSILED, (3)

REF NO 3-11-971

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.7	100.0		1
ORGANIC MATTER	%	21.8	96.1		
ASH	%	0.9	3.9		1
CRUDE FIBER	%	6.0	26.6		1
ETHER EXTRACT	%	0.7	2.9		1
NITROGEN FREE EXTRACT	%	11.7	51.5		1
PROTEIN	%	3.4	15.1		1
CATTLE	DIG PROT % *	2.3	10.0		
GOATS	DIG PROT % *	2.3	10.0		
HORSES	DIG PROT % *	2.3	10.0		
SHEEP	DIG PROT % *	2.3	10.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.63	2.79		
SHEEP	DE MCAL/KG *	0.70	3.06		
CATTLE	ME MCAL/KG *	0.52	2.29		
SHEEP	ME MCAL/KG *	0.57	2.51		
CATTLE	NE-M MCAL/KG *	0.31	1.36		
CATTLE	NE-GAIN MCAL/KG *	0.17	0.77		
CATTLE	NE-LACTATION MCAL/KG *	0.33	1.46		
CATTLE	TDN % *	14.4	63.2		
SHEEP	TDN % *	(15.8)	(69.5)		

PISUM SPP, SEEDS, GRND, (5)

REF NO 5-03-598

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(89.1)	(100.0)	2	11
ORGANIC MATTER	%	86.1	96.6		
ASH	%	3.0	3.4	10	7
SHEEP	DIG COEF %	11.	11.		
CRUDE FIBER	%	8.9	10.0	82	9
HORSES	DIG COEF %	8.	8.		1
SHEEP	DIG COEF %	50.	50.		1
SWINE	DIG COEF %	61.	61.		2
ETHER EXTRACT	%	1.3	1.5	23	9
HORSES	DIG COEF %	7.	7.		1
SHEEP	DIG COEF %	64.	64.		1
SWINE	DIG COEF %	32.	32.		2
NITROGEN FREE EXTRACT	%	53.5	60.1	2	7
HORSES	DIG COEF %	90.	90.		1
SHEEP	DIG COEF %	93.	93.		1
SWINE	DIG COEF %	93.	93.		2
PROTEIN	%	22.3	25.1	13	9
HORSES	DIG COEF %	83.	83.		1
SHEEP	DIG COEF %	86.	86.		1
SWINE	DIG COEF %	88.	88.		2
HORSES	DIG PROT %	18.5	20.8		
SHEEP	DIG PROT %	19.2	21.6		
SWINE	DIG PROT %	19.5	21.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.50	3.93		
SHEEP	DE MCAL/KG *	3.32	3.73		
SWINE	DE KCAL/KG *	3322.	3729.		
CATTLE	ME MCAL/KG *	2.87	3.22		
CHICKENS	ME-N KCAL/KG	2153.	2418.		1
SHEEP	ME MCAL/KG *	2.72	3.06		
SWINE	ME KCAL/KG *	3021.	3391.		
CATTLE	NE-M MCAL/KG *	1.96	2.20		
CATTLE	NE-GAIN MCAL/KG *	1.28	1.44		
CATTLE	NE-LACTATION MCAL/KG *	2.10	2.35		
CATTLE	TDN % *	79.4	89.1		
HORSES	TDN %	67.6	75.9		1
SHEEP	TDN %	75.3	84.5		1
SWINE	TDN %	(75.3)	(84.6)		2
CALCIUM	%	(0.16)	(0.18)		3
CHLORINE	%	(0.06)	(0.07)		1
PHOSPHORUS	%	(0.42)	(0.48)		3
CHICKENS, CHICKS AVAILABLE	%	(0.12)	(0.14)		2
POTASSIUM	%	(0.39)	(0.44)		1
SODIUM	%	(0.04)	(0.04)		1
ZINC	MG/KG	(29.4)	(33.0)		1
CHOLINE	MG/KG	(483.)	(542.)		3
FOLIC ACID	MG/KG	(0.35)	(0.40)		1
NIACIN	MG/KG	(36.7)	(41.2)		2
PANTOTHENIC ACID	MG/KG	(9.9)	(11.1)		2
RIBOFLAVIN	MG/KG	(1.6)	(1.8)		3
THIAMINE	MG/KG	(196.4)	(220.5)		1
VITAMIN B6	MG/KG	(0.98)	(1.10)		1
ARGININE	%	(1.37)	(1.54)		2
CYSTINE	%	(0.17)	(0.19)		1
GLYCINE	%	(0.62)	(0.70)		2
HISTIDINE	%	(0.70)	(0.79)		1
ISOLEUCINE	%	(1.08)	(1.21)		1
LEUCINE	%	(1.76)	(1.98)		1
LYSINE	%	(1.57)	(1.76)		2
METHIONINE	%	(0.30)	(0.34)		2
PHENYLALANINE	%	(1.27)	(1.43)		1
THREONINE	%	(0.92)	(1.03)		1
TRYPTOPHAN	%	(0.24)	(0.26)		2
VALINE	%	1.27	1.43		1

PLANTAGO PATAGONICA, INDIANWHEAT, PATAGONIA

PLANTAGO PATAGONICA PATAGONIA, AERIAL PART, FRESH, (2)

REF NO 2-10-805

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
PROTEIN	%		10.1	33	5
CATTLE	DIG PROT % *		6.5		
GOATS	DIG PROT % *		6.0		
HORSES	DIG PROT % *		6.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *		6.5		
SHEEP	DIG PROT	% *		6.4		
PHOSPHORUS		%		0.26		2

PLANTAGO PATAGONICA PATAGONIA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-17-584

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
PROTEIN		%		10.1	33	5
CATTLE	DIG PROT	% *		6.5		
GOATS	DIG PROT	% *		6.0		
HORSES	DIG PROT	% *		6.1		
RABBITS	DIG PROT	% *		6.5		
SHEEP	DIG PROT	% *		6.4		
PHOSPHORUS		%		0.26		2

PLANTAGO SPP, PLANTAIN

PLANTAGO SPP, AERIAL PART, FRESH, (2)

REF NO 2-03-729

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		85.7		
ASH		%		14.4		2
CRUDE FIBER		%		35.4		2
ETHER EXTRACT		%		0.7		2
NITROGEN FREE EXTRACT		%		34.9		2
PROTEIN		%		14.7		2
CATTLE	DIG PROT	% *		10.4		
GOATS	DIG PROT	% *		10.3		
HORSES	DIG PROT	% *		10.0		
RABBITS	DIG PROT	% *		10.0		
SHEEP	DIG PROT	% *		10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.05		
SHEEP	DE	MCAL/KG *		2.38		
CATTLE	ME	MCAL/KG *		2.50		
SHEEP	ME	MCAL/KG *		1.96		
CATTLE	NE-M	MCAL/KG *		1.52		
CATTLE	NE-GAIN	MCAL/KG *		0.95		
CATTLE	NE-LACTATION	MCAL/KG *		1.66		
CATTLE	TDN	% *		69.1		
SHEEP	TDN	% *		54.1		

PLATANUS ORIENTALIS, PLANETREE, ORIENTAL

PLATANUS ORIENTALIS ORIENTAL, FRUIT, DEHY GRND, (4)

REF NO 4-13-477

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.8	100.0		2
ORGANIC MATTER		%	83.8	94.4		
ASH		%	5.0	5.6		2
CRUDE FIBER		%	3.8	4.3		2
ETHER EXTRACT		%	1.8	2.0		2
NITROGEN FREE EXTRACT		%	74.6	84.0		2
PROTEIN		%	3.7	4.1		2
CATTLE	DIG PROT	% *	-0.2	-0.2		
GOATS	DIG PROT	% *	0.9	1.0		
HORSES	DIG PROT	% *	0.9	1.0		
SHEEP	DIG PROT	% *	0.9	1.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.61	2.94		
SHEEP	DE	MCAL/KG *	3.25	3.66		
SWINE	DE	KCAL/KG *	3308.	3726.		
CATTLE	ME	MCAL/KG *	2.14	2.41		
SHEEP	ME	MCAL/KG *	2.66	3.00		
SWINE	ME	KCAL/KG *	3149.	3546.		
CATTLE	NE-M	MCAL/KG *	1.29	1.45		
CATTLE	NE-GAIN	MCAL/KG *	0.78	0.88		
CATTLE	NE-LACTATION	MCAL/KG *	1.41	1.58		
CATTLE	TDN	% *	59.3	66.7		
SHEEP	TDN	% *	73.7	83.0		
SWINE	TDN	% *	75.0	84.5		
CALCIUM		%	0.17	0.19		2
PHOSPHORUS		%	0.25	0.28		2

PLATONIA INSIGNIS, GUIANADRANGE, BAKURI

PLATONIA INSIGNIS BAKURI, LEAVES, FRESH, (2)

REF NO 2-09-647

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.5		
ASH		%		11.5		1
CRUDE FIBER		%		26.3		1
ETHER EXTRACT		%		2.8		1
NITROGEN FREE EXTRACT		%		52.9		1
PROTEIN		%		6.6		1
CATTLE	DIG PROT	% *		3.5		
GOATS	DIG PROT	% *		2.7		
HORSES	DIG PROT	% *		3.1		
RABBITS	DIG PROT	% *		3.7		
SHEEP	DIG PROT	% *		3.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.76		
SHEEP	DE	MCAL/KG *		2.64		
CATTLE	ME	MCAL/KG *		2.26		
SHEEP	ME	MCAL/KG *		2.17		
CATTLE	NE-M	MCAL/KG *		1.35		
CATTLE	NE-GAIN	MCAL/KG *		0.74		
CATTLE	NE-LACTATION	MCAL/KG *		1.44		
CATTLE	TDN	% *		62.6		
SHEEP	TDN	% *		60.0		

POA ANNUA, BLUEGRASS, ANNUAL

POA ANNUA ANNUAL, AERIAL PART, FRESH, (2)

REF NO 2-10-806

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.1		
ASH		%		16.9		2
CRUDE FIBER		%		27.9		2
ETHER EXTRACT		%		4.4		2
NITROGEN FREE EXTRACT		%		40.0		2
PROTEIN		%		10.7		2
CATTLE	DIG PROT	% *		7.0		
GOATS	DIG PROT	% *		6.6		
HORSES	DIG PROT	% *		6.6		
RABBITS	DIG PROT	% *		6.9		
SHEEP	DIG PROT	% *		7.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.35		
SHEEP	DE	MCAL/KG *		2.52		
CATTLE	ME	MCAL/KG *		1.93		
SHEEP	ME	MCAL/KG *		2.07		
CATTLE	NE-M	MCAL/KG *		1.14		
CATTLE	NE-GAIN	MCAL/KG *		0.41		
CATTLE	NE-LACTATION	MCAL/KG *		1.12		
CATTLE	TDN	% *		53.4		
SHEEP	TDN	% *		57.2		
CALCIUM		%		1.00		2
MAGNESIUM		%		0.17		2
PHOSPHORUS		%		0.23		2

POA CANDAMOANA, BLUEGRASS, CANDAMOANA

POA CANDAMOANA CANDAMOANA, AERIAL PART, FRESH, (2)

REF NO 2-11-827

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		76.		1
PROTEIN		%		13.0		1
CATTLE	DIG PROT	% *		8.9		
GOATS	DIG PROT	% *		8.7		
HORSES	DIG PROT	% *		8.6		
RABBITS	DIG PROT	% *		8.7		
SHEEP	DIG PROT	% *		9.1		
CELL WALLS (VAN SOEST)		%		57.9		1
CELL WALLS IN VITRO	DIG COEF	%		66.		1
CELLULOSE (VAN SOEST)		%		25.7		1
FIBER, ACID DETERGENT (VS)		%		30.4		1
HEMICELLULOSE		%		27.5		1
LIGNIN KMNO4 (VS)		%		2.8		1

POA CANDAMOANA CANDAMOANA, AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)

REF NO 2-11-826

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		83.		1
PROTEIN		%		19.8		1
CATTLE	DIG PROT	% *		14.7		
GOATS	DIG PROT	% *		15.0		
HORSES	DIG PROT	% *		14.3		
RABBITS	DIG PROT	% *		14.0		
SHEEP	DIG PROT	% *		15.4		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CELL WALLS (VAN SOEST)		%		50.9	1
CELL WALLS IN VITRO	DIG COEF	%		67.	1
CELLULOSE (VAN SOEST)		%		21.4	1
FIBER, ACID DETERGENT (VS)		%		25.9	1
HEMICELLULOSE		%		25.0	1
LIGNIN KMNO4 (VS)		%		3.4	1

POA CANDAMUANA CANDAMUANA, AERIAL PART, FRESH FERTILIZED, FULL BLOOM, (2)

REF NO 2-13-197

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		82.	1
PROTEIN		%		24.5	1
CATTLE	DIG PROT	% *		18.7	
GOATS	DIG PROT	% *		19.4	
HORSES	DIG PROT	% *		18.3	
RABBITS	DIG PROT	% *		17.6	
SHEEP	DIG PROT	% *		19.8	
CELL WALLS (VAN SOEST)		%		56.3	1
CELL WALLS IN VITRO	DIG COEF	%		67.	1
CELLULOSE (VAN SOEST)		%		20.6	1
FIBER, ACID DETERGENT (VS)		%		24.4	1
HEMICELLULOSE		%		31.9	1
LIGNIN KMNO4 (VS)		%		2.0	1

POA LANUGINOSA, BLUEGRASS, LANUGINOSA

POA LANUGINOSA LANUGINOSA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-17-643

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	37.5	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	71.	71.	1
ORGANIC MATTER		%	34.4	91.6	
ASH		%	3.2	8.4	1
PROTEIN		%	6.4	17.0	1
CATTLE	DIG PROT	% *	4.6	12.3	
GOATS	DIG PROT	% *	4.7	12.4	
HORSES	DIG PROT	% *	4.5	12.0	
RABBITS	DIG PROT	% *	4.4	11.8	
SHEEP	DIG PROT	% *	4.8	12.8	

POA LANUGINOSA LANUGINOSA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-17-641

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	29.2	100.0	3
DM IN VITRO (TILLY)	DIG COEF	%	65.	65.	3
ORGANIC MATTER		%	26.7	91.4	
ASH		%	2.5	8.6	3
PROTEIN		%	4.4	15.0	3
CATTLE	DIG PROT	% *	3.1	10.7	
GOATS	DIG PROT	% *	3.1	10.6	
HORSES	DIG PROT	% *	3.0	10.3	
RABBITS	DIG PROT	% *	3.0	10.3	
SHEEP	DIG PROT	% *	3.2	11.0	

POA LANUGINOSA LANUGINOSA, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-17-642

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	31.6	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	63.	63.	2
ORGANIC MATTER		%	29.0	91.8	
ASH		%	2.6	8.3	2
PROTEIN		%	3.1	10.0	2
CATTLE	DIG PROT	% *	2.0	6.3	
GOATS	DIG PROT	% *	1.8	5.8	
HORSES	DIG PROT	% *	1.9	6.0	
RABBITS	DIG PROT	% *	2.0	6.4	
SHEEP	DIG PROT	% *	2.0	6.3	

POA LANUGINOSA LANUGINOSA, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-17-644

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	28.1	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.	2
ORGANIC MATTER		%	25.4	90.5	
ASH		%	2.7	9.5	2
PROTEIN		%	5.0	17.9	2
CATTLE	DIG PROT	% *	3.7	13.1	
GOATS	DIG PROT	% *	3.7	13.2	
HORSES	DIG PROT	% *	3.6	12.7	
RABBITS	DIG PROT	% *	3.5	12.5	
SHEEP	DIG PROT	% *	3.8	13.6	

POA LANUGINOSA LANUGINOSA, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-17-640

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	41.8	100.0	3
DM IN VITRO (TILLY)	DIG COEF	%	60.	60.	3
ORGANIC MATTER		%	38.1	91.0	
ASH		%	3.7	9.0	3
PROTEIN		%	4.7	11.3	3
CATTLE	DIG PROT	% *	3.1	7.5	
GOATS	DIG PROT	% *	3.0	7.1	
HORSES	DIG PROT	% *	3.0	7.1	
RABBITS	DIG PROT	% *	3.1	7.4	
SHEEP	DIG PROT	% *	3.1	7.5	

POA PINNATA, BLUEGRASS, PINNATA

POA PINNATA PINNATA, AERIAL PART, FRESH, (2)

REF NO 2-11-028

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.7	
ASH		%		8.3	1
CRUDE FIBER		%		33.0	1
ETHER EXTRACT		%		2.9	1
NITROGEN FREE EXTRACT		%		48.8	1
PROTEIN		%		7.0	1
CATTLE	DIG PROT	% *		3.8	
GOATS	DIG PROT	% *		3.1	
HORSES	DIG PROT	% *		3.4	
RABBITS	DIG PROT	% *		4.0	
SHEEP	DIG PROT	% *		3.5	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.43	
SHEEP	DE MCAL/KG	*		2.56	
CATTLE	ME MCAL/KG	*		2.00	
SHEEP	ME MCAL/KG	*		2.10	
CATTLE	NE-M MCAL/KG	*		1.18	
CATTLE	NE-GAIN MCAL/KG	*		0.48	
CATTLE	NE-LACTATION MCAL/KG	*		1.19	
CATTLE	TDN	% *		55.2	
SHEEP	TDN	% *		58.1	
CALCIUM		%		0.28	1

POA PRATENSIS, BLUEGRASS, KENTUCKY

POA PRATENSIS KENTUCKY, AERIAL PART, FRESH, (2)

REF NO 2-00-786

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	27.9	100.0	1
ORGANIC MATTER		%	25.2	90.5	
ASH		%	2.7	9.5	1
CRUDE FIBER		%	8.8	31.5	1
ETHER EXTRACT		%	0.7	2.5	1
NITROGEN FREE EXTRACT		%	13.4	47.9	1
PROTEIN		%	2.4	8.6	1
CATTLE	DIG PROT	% *	1.5	5.2	
GOATS	DIG PROT	% *	1.3	4.6	
HORSES	DIG PROT	% *	1.3	4.8	
RABBITS	DIG PROT	% *	1.5	5.3	
SHEEP	DIG PROT	% *	1.4	5.0	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.69	2.47	
SHEEP	DE MCAL/KG	*	0.72	2.58	
CATTLE	ME MCAL/KG	*	0.57	2.03	
SHEEP	ME MCAL/KG	*	0.59	2.12	
CATTLE	NE-M MCAL/KG	*	0.33	1.19	
CATTLE	NE-GAIN MCAL/KG	*	0.14	0.52	
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.21	
CATTLE	TDN	% *	15.6	56.1	
SHEEP	TDN	% *	16.4	58.6	

POA SPP, BLUEGRASS

POA SPP, HAY, S-C, EARLY VEGETATIVE, (1)

REF NO 1-00-742

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
DM IN VITRO (TILLY)	DIG COEF	%		51.	2
PROTEIN		%		8.9	3
CATTLE	DIG PROT	% *		4.7	
GOATS	DIG PROT	% *		4.9	
HORSES	DIG PROT	% *		5.1	
RABBITS	DIG PROT	% *		5.6	
SHEEP	DIG PROT	% *		4.6	
PHOSPHORUS		%		0.18	2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
POA SPP, AERIAL PART, FRESH, (2)					
REF NO 2-00-756					
DRY MATTER	%	30.6	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	51.	51.	1	4
ORGANIC MATTER	%	28.9	94.3		
ASH	%	1.7	5.7	24	7
CRUDE FIBER	%	6.7	22.0		2
ETHER EXTRACT	%	0.8	2.7	7	7
NITROGEN FREE EXTRACT	%	18.0	58.7		1
PROTEIN	%	3.4	11.0	21	11
CATTLE DIG PROT % *		2.2	7.2		
GOATS DIG PROT % *		2.1	6.8		
HORSES DIG PROT % *		2.1	6.8		
RABBITS DIG PROT % *		2.2	7.1		
SHEEP DIG PROT % *		2.2	7.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.07	3.49		
SHEEP DE MCAL/KG *		0.92	3.00		
CATTLE ME MCAL/KG *		0.88	2.86		
SHEEP ME MCAL/KG *		0.75	2.46		
CATTLE NE-M MCAL/KG *		0.56	1.83		
CATTLE NE-GAIN MCAL/KG *		0.37	1.22		
CATTLE NE-LACTATION MCAL/KG *		0.61	2.01		
CATTLE TDN % *		24.2	79.1		
SHEEP TDN % *		20.8	68.1		
CALCIUM	%	0.30	0.98		1
PHOSPHORUS	%	0.06	0.19		3

POLYMNIA SONCHIFOLIA, LEAFCUP, SONCHIFOLIA

POLYMNIA SONCHIFOLIA SONCHIFOLIA, ROOTS WO PEELINGS, FRESH, (4)

REF NO 4-13-475

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	9.7	100.0		1
ORGANIC MATTER	%	8.4	86.6		
ASH	%	1.3	13.4		1
CRUDE FIBER	%	0.4	4.1		1
ETHER EXTRACT	%	0.1	1.0		1
NITROGEN FREE EXTRACT	%	7.6	78.4		
PROTEIN	%	0.3	3.1		1
CATTLE DIG PROT % *		-0.1	-1.1		
GOATS DIG PROT % *		0.0	0.1		
HORSES DIG PROT % *		0.0	0.1		
SHEEP DIG PROT % *		0.0	0.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.20	2.06		
SHEEP DE MCAL/KG *		0.33	3.41		
SWINE DE KCAL/KG *		337.	3478.		
CATTLE ME MCAL/KG *		0.16	1.69		
SHEEP ME MCAL/KG *		0.27	2.79		
SWINE ME KCAL/KG *		322.	3317.		
CATTLE NE-M MCAL/KG *		0.10	1.00		
CATTLE NE-GAIN MCAL/KG *		0.01	0.13		
CATTLE NE-LACTATION MCAL/KG *		0.09	0.89		
CATTLE TDN % *		4.5	46.7		
SHEEP TDN % *		7.5	77.3		
SWINE TDN % *		7.7	78.9		
CALCIUM	%	0.01	0.10		1
PHOSPHORUS	%	0.01	0.10		1
ASCORBIC ACID	MG/KG	26.8	276.3		1
NIACIN	MG/KG	10.5	108.2		1
RIBOFLAVIN	MG/KG	0.4	4.1		1
THIAMINE	MG/KG	0.0	0.3		1
VITAMIN A EQUIV	IU/G	4.8	49.8		

POLYPODIUM LEPIDOPTERIS, POLYPODY, LEPIDOPTERIS

POLYPODIUM LEPIDOPTERIS LEPIDOPTERIS, HAY, S-C, (1)

REF NO 1-11-720

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.4		
ASH	%		8.6		1
CRUDE FIBER	%		28.1		1
ETHER EXTRACT	%		3.0		1
NITROGEN FREE EXTRACT	%		50.8		1
PROTEIN	%		11.4		1
CATTLE DIG PROT % *			6.8		
GOATS DIG PROT % *			7.2		
HORSES DIG PROT % *			7.2		
RABBITS DIG PROT % *			7.5		
SHEEP DIG PROT % *			6.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.63		
HORSES DE MCAL/KG *			1.95		
SHEEP DE MCAL/KG *			2.52		
CATTLE ME MCAL/KG *			2.16		
HORSES ME MCAL/KG *			1.60		
SHEEP ME MCAL/KG *			2.07		
CATTLE NE-M MCAL/KG *			1.26		
CATTLE NE-GAIN MCAL/KG *			0.65		
CATTLE NE-LACTATION MCAL/KG *			1.34		
CATTLE TDN % *			59.6		
HORSES TDN % *			48.6		
SHEEP TDN % *			57.2		

POLYPODIUM LEPIDOPTERIS LEPIDOPTERIS, AERIAL PART, FRESH, (2)

REF NO 2-11-066

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.9		
ASH	%		6.1		1
CRUDE FIBER	%		23.9		1
ETHER EXTRACT	%		3.0		1
NITROGEN FREE EXTRACT	%		52.9		1
PROTEIN	%		14.2		1
CATTLE DIG PROT % *			10.0		
GOATS DIG PROT % *			9.8		
HORSES DIG PROT % *			9.6		
RABBITS DIG PROT % *			9.6		
SHEEP DIG PROT % *			10.2		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			3.34		
SHEEP DE MCAL/KG *			2.94		
CATTLE ME MCAL/KG *			2.73		
SHEEP ME MCAL/KG *			2.41		
CATTLE NE-M MCAL/KG *			1.71		
CATTLE NE-GAIN MCAL/KG *			1.13		
CATTLE NE-LACTATION MCAL/KG *			1.89		
CATTLE TDN % *			75.6		
SHEEP TDN % *			66.8		

POLYPODIUM SPP, POLYPODY

POLYPODIUM SPP, AERIAL PART, DEHY, (1)

REF NO 1-09-629

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.3	100.0		1
ORGANIC MATTER	%	81.1	90.8		
ASH	%	8.2	9.2		1
CRUDE FIBER	%	29.0	32.5		1
ETHER EXTRACT	%	4.4	4.9		1
NITROGEN FREE EXTRACT	%	37.5	42.0		1
PROTEIN	%	10.2	11.4		1
CATTLE DIG PROT % *		6.1	6.8		
GOATS DIG PROT % *		6.4	7.2		
HORSES DIG PROT % *		6.5	7.2		
RABBITS DIG PROT % *		6.7	7.5		
SHEEP DIG PROT % *		6.1	6.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.06	2.30		
HORSES DE MCAL/KG *		1.69	1.90		
SHEEP DE MCAL/KG *		2.07	2.32		
CATTLE ME MCAL/KG *		1.69	1.89		
HORSES ME MCAL/KG *		1.39	1.55		
SHEEP ME MCAL/KG *		1.70	1.90		
CATTLE NE-M MCAL/KG *		1.00	1.11		
CATTLE NE-GAIN MCAL/KG *		0.33	0.37		
CATTLE NE-LACTATION MCAL/KG *		0.97	1.08		
CATTLE TDN % *		46.7	52.3		
HORSES TDN % *		42.2	47.2		
SHEEP TDN % *		46.9	52.5		

POLYPOGON INTERRUPTUS

POLYPOGON INTERRUPTUS INTERRUPTUS, AERIAL PART, FRESH, (2)

REF NO 2-11-067

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.3	100.0		1
ORGANIC MATTER	%	17.3	81.2		
ASH	%	4.0	18.8		1
CRUDE FIBER	%	6.4	30.0		1
ETHER EXTRACT	%	0.5	2.3		1
NITROGEN FREE EXTRACT	%	6.6	31.0		1
PROTEIN	%	3.8	17.8		1
CATTLE DIG PROT % *		2.8	13.1		
GOATS DIG PROT % *		2.8	13.2		
HORSES DIG PROT % *		2.7	12.7		
RABBITS DIG PROT % *		2.7	12.4		
SHEEP DIG PROT % *		2.9	13.6		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		0.53	2.48		
SHEEP ME MCAL/KG *		0.43	2.03		
SHEEP TDN % *		12.0	56.3		
CALCIUM	%	0.31	1.46		1
MAGNESIUM	%	0.05	0.23		1
PHOSPHORUS	%	0.02	0.09		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PORK CRACKLINGS (CFA) -SEE SUS SCROFA, CRACKLINGS, DRY RENDERED DEHY, (5)						

PORLIERIA AUGUSTIFOLIA, PORLIERIA, TEXAS

PORLIERIA AUGUSTIFOLIA TEXAS, BROWSE, FRESH, (2)

REF NO 2-13-334

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	61.4	100.0		1
ORGANIC MATTER		%	51.6	84.1		
ASH		%	9.8	15.9	14	6
CRUDE FIBER		%	15.3	25.0	21	6
ETHER EXTRACT		%	2.9	4.7	19	6
NITROGEN FREE EXTRACT		%	22.3	36.4	23	6
PROTEIN		%	11.1	18.1	19	6
CATTLE	DIG PROT % *		8.1	13.2		
GOATS	DIG PROT % *		8.2	13.4		
HORSES	DIG PROT % *		7.9	12.9		
RABBITS	DIG PROT % *		7.7	12.6		
SHEEP	DIG PROT % *		8.5	13.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.47	2.40		
SHEEP	DE MCAL/KG *		1.70	2.77		
CATTLE	ME MCAL/KG *		1.21	1.97		
SHEEP	ME MCAL/KG *		1.39	2.27		
CATTLE	NE-M MCAL/KG *		0.71	1.16		
CATTLE	NE-GAIN MCAL/KG *		0.28	0.45		
CATTLE	NE-LACTATION MCAL/KG *		0.71	1.16		
CATTLE	TDN % *		33.4	54.4		
SHEEP	TDN % *		38.6	62.8		

POTATO MEAL -SEE SOLANUM TUBEROSUM, ROOTS, DEHY GRND, (4)

POULTRY

POULTRY, FEATHERS, HYDROLYZED DEHY GRND, MN 75% OF PROTEIN DIGESTIBLE, (5) HYDROLYZED POULTRY FEATHERS (AAFCO) FEATHER MEAL

REF NO 5-03-795

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.4	100.0	1	10
ORGANIC MATTER		%	88.2	95.4		
ASH		%	4.2	4.6	68	6
CRUDE FIBER		%	1.1	1.1	64	8
ETHER EXTRACT		%	3.1	3.4	24	8
NITROGEN FREE EXTRACT		%	-0.6	-0.7		2
PROTEIN		%	(84.7)	(91.6)	5	8
CATTLE	DIG PROT %		62.2	67.3		1
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG *		2.75	2.97		
SWINE	DE KCAL/KG *		2755.	2980.		
CHICKENS	ME-N KCAL/KG		2354.	2546.	3	4
SHEEP	ME MCAL/KG *		2.25	2.44		
SWINE	ME KCAL/KG		(2251.)	(2436.)		1
CHICKENS	PRODUCTIVE KCAL/KG		1459.	1578.		3
SHEEP	TDN % *		62.3	67.4		
SWINE	TDN %		(62.5)	(67.6)		1
CALCIUM		%	(0.25)	(0.27)	38	4
MAGNESIUM		%	0.20	0.22		1
PHOSPHORUS		%	(0.50)	(0.54)		3
CHICKENS, CHICKS AVAILABLE		%	(0.69)	(0.74)		2
POTASSIUM		%	(0.30)	(0.33)		1
SODIUM		%	(0.71)	(0.77)		1
BIOTIN		MG/KG	(0.45)	(0.48)		1
CHOLINE		MG/KG	(888.)	(961.)	2	5
NIACIN		MG/KG	(26.9)	(29.1)	21	5
PANTOTHENIC ACID		MG/KG	(10.5)	(11.3)	11	5
RIBOFLAVIN		MG/KG	(2.1)	(2.3)	5	5
THIAMINE		MG/KG	(0.1)	(0.1)		1
VITAMIN B6		MG/KG	(4.48)	(4.85)		1
VITAMIN B12		UG/KG	(78.4)	(84.8)		2
ARGININE		%	(5.40)	(5.85)	15	5
CYSTINE		%	(3.18)	(3.44)	33	5
GLYCINE		%	(6.29)	(6.81)	16	4
HISTIDINE		%	(0.34)	(0.37)		2
ISOLEUCINE		%	(3.25)	(3.51)		2
LEUCINE		%	(6.70)	(7.25)		1
LYSINE		%	(1.67)	(1.80)	24	5
METHIONINE		%	(0.51)	(0.55)	20	5
PHENYLALANINE		%	(3.25)	(3.51)		2
THREONINE		%	(3.42)	(3.70)		2
TRYPTOPHAN		%	(0.50)	(0.54)	13	5
TYROSINE		%	(6.30)	(6.81)		1
VALINE		%	5.56	6.01		2

POULTRY, FEATHERS W VISCERA W FEET W HEADS, DRY OR WET RENDERED DEHY GRND, (5)

REF NO 5-13-540

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.3	100.0		2
ORGANIC MATTER		%	87.8	95.2		
ASH		%	4.5	4.9		2
CRUDE FIBER		%	0.7	0.8		1
ETHER EXTRACT		%	11.3	12.3		2
NITROGEN FREE EXTRACT		%	1.2	1.3		1
PROTEIN		%	74.5	80.8		2

POULTRY, LITTER, (5)

REF NO 5-05-587

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	79.9	100.0		2
PROTEIN		%	34.8	43.6		2
CALCIUM		%	6.20	7.76		2
PHOSPHORUS		%	3.00	3.75		2

PROBOSCIDEA ALTHEAEFOLIA, DEVILSCLAW, ALTHEAEFOLIA

PROBOSCIDEA ALTHEAEFOLIA ALTHEAEFOLIA, ROOTS, DEHY, (4)

REF NO 4-11-721

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	95.3	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.		1
ORGANIC MATTER		%	92.4	97.0		
ASH		%	2.9	3.0		1
CRUDE FIBER		%	2.5	2.6		1
ETHER EXTRACT		%	0.7	0.7		1
NITROGEN FREE EXTRACT		%	87.0	91.3		1
PROTEIN		%	2.2	2.3		1
CATTLE	DIG PROT % *		-1.8	-1.9		
GOATS	DIG PROT % *		-0.6	-0.6		
HORSES	DIG PROT % *		-0.6	-0.6		
SHEEP	DIG PROT % *		-0.6	-0.6		
CELL WALLS (VAN SOEST)		%	37.0	38.8		1
CELLULOSE (VAN SOEST)		%	10.6	11.1		1
FIBER, ACID DETERGENT (VS)		%	21.7	22.8		1
HEMICELLULOSE		%	15.2	16.0		1
LIGNIN KMNO4 (VS)		%	5.5	5.8		1
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG *		3.61	3.79		
SWINE	DE KCAL/KG *		3809.	3997.		
SHEEP	ME MCAL/KG *		2.96	3.11		
SWINE	ME KCAL/KG *		3639.	3819.		
SHEEP	TDN % *		81.9	85.9		
SWINE	TDN % *		86.4	90.7		
CALCIUM		%	0.15	0.16		1
COPPER		MG/KG	30.9	32.4		1
IRON		%	0.012	0.013		1
MAGNESIUM		%	0.06	0.06		1
MANGANESE		MG/KG	0.6	0.6		1

PROSOPIS CHILENSIS, MESQUITE, COMMON

PROSOPIS CHILENSIS COMMON, LEAVES, S-C, (1)

REF NO 1-10-321

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	96.3	100.0	1	4
ORGANIC MATTER		%	85.4	88.7		
ASH		%	10.9	11.3	50	4
CRUDE FIBER		%	19.1	19.9	29	4
ETHER EXTRACT		%	1.8	1.9	2	4
NITROGEN FREE EXTRACT		%	46.8	48.6	13	4
PROTEIN		%	17.7	18.4	26	4
CATTLE	DIG PROT % *		12.4	12.9		
GOATS	DIG PROT % *		13.2	13.7		
HORSES	DIG PROT % *		12.6	13.1		
RABBITS	DIG PROT % *		12.4	12.9		
SHEEP	DIG PROT % *		12.6	13.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.73	2.84		
HORSES	DE MCAL/KG *		2.00	2.07		
SHEEP	DE MCAL/KG *		2.62	2.72		
CATTLE	ME MCAL/KG *		2.24	2.33		
HORSES	ME MCAL/KG *		1.64	1.70		
SHEEP	ME MCAL/KG *		2.15	2.23		
CATTLE	NE-M MCAL/KG *		1.34	1.39		
CATTLE	NE-GAIN MCAL/KG *		0.78	0.81		
CATTLE	NE-LACTATION MCAL/KG *		1.45	1.50		
CATTLE	TDN % *		62.0	64.4		
HORSES	TDN % *		50.1	52.1		
SHEEP	TDN % *		59.3	61.6		
CALCIUM		%	2.89	3.00		1
COPPER		MG/KG	26.4	27.5		1
IRON		%	0.166	0.172		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
MAGNESIUM		%	0.34	0.35		1
MANGANESE		MG/KG	122.8	127.6		1

PROSOPIS CHILENSIS COMMON, PODS, GRND, (1)

REF NO 1-11-710

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.7	100.0		1
ORGANIC MATTER		%	89.0	96.0		
ASH		%	3.7	4.0		1
CRUDE FIBER		%	14.4	15.5		1
ETHER EXTRACT		%	1.0	1.1		1
NITROGEN FREE EXTRACT		%	64.8	69.9		1
PROTEIN		%	8.8	9.5		1
CATTLE	DIG PROT	% *	4.8	5.2		
GOATS	DIG PROT	% *	5.0	5.4		
HORSES	DIG PROT	% *	5.2	5.6		
RABBITS	DIG PROT	% *	5.6	6.0		
SHEEP	DIG PROT	% *	4.7	5.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.20	2.37		
SHEEP	DE	MCAL/KG *	2.46	2.66		
CATTLE	ME	MCAL/KG *	1.80	1.94		
SHEEP	ME	MCAL/KG *	2.02	2.18		
CATTLE	NE-M	MCAL/KG *	1.06	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.40	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	1.05	1.14		
CATTLE	TDN	% *	49.8	53.8		
SHEEP	TDN	% *	55.8	60.2		
CALCIUM		%	0.47	0.51		1
COPPER		MG/KG	20.9	22.5		1
MAGNESIUM		%	0.10	0.11		1
MANGANESE		MG/KG	4.6	5.0		1
PHOSPHORUS		%	0.09	0.10		1

PROSOPIS CHILENSIS COMMON, PODS, S-C, (1)

REF NO 1-10-399

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.5	100.0		3
ORGANIC MATTER		%	84.1	97.2		
ASH		%	2.4	2.8	30	4
CRUDE FIBER		%	21.0	24.3	37	4
ETHER EXTRACT		%	0.9	1.1	98	4
NITROGEN FREE EXTRACT		%	56.0	64.7	15	4
PROTEIN		%	6.2	7.1	10	4
CATTLE	DIG PROT	% *	2.7	3.1		
GOATS	DIG PROT	% *	2.8	3.2		
HORSES	DIG PROT	% *	3.1	3.6		
RABBITS	DIG PROT	% *	3.6	4.2		
SHEEP	DIG PROT	% *	2.6	3.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.02	2.33		
SHEEP	DE	MCAL/KG *	2.14	2.47		
CATTLE	ME	MCAL/KG *	1.65	1.91		
SHEEP	ME	MCAL/KG *	1.75	2.03		
CATTLE	NE-M	MCAL/KG *	0.98	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.34	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.96	1.11		
CATTLE	TDN	% *	45.8	52.9		
SHEEP	TDN	% *	48.5	56.1		
CALCIUM		%	0.29	0.34		2
COPPER		MG/KG	6.7	7.8		1
IRON		%	0.006	0.007		1
MAGNESIUM		%	0.07	0.08		1
MANGANESE		MG/KG	8.7	10.1		1
PHOSPHORUS		%	0.15	0.17		1

PROSOPIS CHILENSIS COMMON, SEEDS W PODS, (1)

REF NO 1-10-398

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.6	100.0		3
ORGANIC MATTER		%	89.1	96.2		
ASH		%	3.5	3.8		3
CRUDE FIBER		%	19.8	21.3		3
ETHER EXTRACT		%	1.3	1.4		3
NITROGEN FREE EXTRACT		%	59.0	63.8		3
PROTEIN		%	9.0	9.7		3
CATTLE	DIG PROT	% *	4.9	5.3		
GOATS	DIG PROT	% *	5.2	5.6		
HORSES	DIG PROT	% *	5.3	5.8		
RABBITS	DIG PROT	% *	5.7	6.2		
SHEEP	DIG PROT	% *	4.9	5.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.32	2.50		
HORSES	DE	MCAL/KG *	1.44	1.55		
SHEEP	DE	MCAL/KG *	2.41	2.60		
CATTLE	ME	MCAL/KG *	1.90	2.05		
HORSES	ME	MCAL/KG *	1.18	1.27		
SHEEP	ME	MCAL/KG *	1.98	2.13		
CATTLE	NE-M	MCAL/KG *	1.12	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.50	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	1.15	1.24		
CATTLE	TDN	% *	52.5	56.7		
HORSES	TDN	% *	35.1	37.9		
SHEEP	TDN	% *	54.7	59.0		
CALCIUM		%	0.31	0.33		3
COPPER		MG/KG	18.1	19.5		2
IRON		%	0.255	0.276		2
MAGNESIUM		%	0.08	0.09		2
MANGANESE		MG/KG	13.3	14.4		2
PHOSPHORUS		%	0.26	0.28		2

PROSOPIS CHILENSIS COMMON, BROWSE, FRESH, MATURE, (2)

REF NO 2-13-713

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.0		
ASH		%		4.0		1
CRUDE FIBER		%		47.7		1
ETHER EXTRACT		%		0.6		1
NITROGEN FREE EXTRACT		%		39.5		1
PROTEIN		%		8.2		1
CATTLE	DIG PROT	% *		4.9		
GOATS	DIG PROT	% *		4.2		
HORSES	DIG PROT	% *		4.5		
RABBITS	DIG PROT	% *		5.0		
SHEEP	DIG PROT	% *		4.6		

PROSOPIS CHILENSIS COMMON, BROWSE W SEEDS, GRND, MATURE, (2)

REF NO 2-13-714

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.7		
ASH		%		3.3		2
CRUDE FIBER		%		34.7		1
ETHER EXTRACT		%		1.0		1
NITROGEN FREE EXTRACT		%		50.1		1
PROTEIN		%		10.9		1
CATTLE	DIG PROT	% *		7.2		
GOATS	DIG PROT	% *		6.7		
HORSES	DIG PROT	% *		6.8		
RABBITS	DIG PROT	% *		7.1		
SHEEP	DIG PROT	% *		7.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.50		
SHEEP	DE	MCAL/KG *		2.63		
CATTLE	ME	MCAL/KG *		2.05		
SHEEP	ME	MCAL/KG *		2.16		
CATTLE	NE-M	MCAL/KG *		1.21		
CATTLE	NE-GAIN	MCAL/KG *		0.54		
CATTLE	NE-LACTATION	MCAL/KG *		1.24		
CATTLE	TDN	% *		56.7		
SHEEP	TDN	% *		59.7		
ALANINE		%		0.37		1
ARGININE		%		0.41		1
ASPARTIC ACID		%		1.07		1
GLUTAMIC ACID		%		1.62		1
GLYCINE		%		0.57		1
HISTIDINE		%		0.26		1
ISOLEUCINE		%		0.29		1
LEUCINE		%		0.52		1
LYSINE		%		0.46		1
PHENYLALANINE		%		0.33		1
PROLINE		%		0.51		1
SERINE		%		0.24		1
THREONINE		%		0.17		1
TRYPTOPHAN		%		0.10		1
TYROSINE		%		0.19		1
VALINE		%		0.34		1

PROSOPIS CHILENSIS COMMON, SEEDS, (4)

REF NO 4-03-085

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	80.6	100.0	33	4
ORGANIC MATTER		%	(77.4)	(96.1)		
ASH		%	(3.1)	(3.9)	17	5
CRUDE FIBER		%	(14.3)	(17.8)	69	5
ETHER EXTRACT		%	(1.7)	(2.1)	57	5
NITROGEN FREE EXTRACT		%	(44.6)	(55.3)	6	4
PROTEIN		%	(16.8)	(20.9)	56	5
CATTLE	DIG PROT	% *	(12.2)	(15.2)		
GOATS	DIG PROT	% *	(13.2)	(16.3)		
HORSES	DIG PROT	% *	(13.2)	(16.3)		
SHEEP	DIG PROT	% *	(13.2)	(16.3)		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	(2.56)	(3.18)		
SWINE	DE	KCAL/KG *	(1945.)	(2415.)		
SHEEP	ME	MCAL/KG *	(2.10)	(2.61)		
SWINE	ME	KCAL/KG *	(1786.)	(2217.)		
SHEEP	TDN	% *	(58.1)	(72.1)		
SWINE	TDN	% *	44.1	54.8		
CALCIUM		%	0.30	0.38		3
COPPER		MG/KG	21.3	26.4		2
IRON		%	0.015	0.018		1
MAGNESIUM		%	0.11	0.14		2

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
MANGANESE	MG/KG	17.2	21.4		2
PHOSPHORUS	%	0.45	0.55		2

PROSOPIS CHILENSIS COMMON, SEEDS, GRND, (4)

REF NO 4-10-400

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	95.4	100.0		1
ORGANIC MATTER	%	91.3	95.7		
ASH	%	4.1	4.3		1
CRUDE FIBER	%	14.7	15.4		1
ETHER EXTRACT	%	1.4	1.5		1
NITROGEN FREE EXTRACT	%	64.5	67.6		1
PROTEIN	%	10.7	11.2		1
CATTLE DIG PROT % *		6.0	6.3		
GOATS DIG PROT % *		7.2	7.5		
HORSES DIG PROT % *		7.2	7.5		
SHEEP DIG PROT % *		7.2	7.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.71	2.84		
SHEEP DE MCAL/KG *		3.24	3.39		
SWINE DE KCAL/KG *		2958.	3100.		
CATTLE ME MCAL/KG *		2.22	2.33		
SHEEP ME MCAL/KG *		2.66	2.78		
SWINE ME KCAL/KG *		2772.	2906.		
CATTLE NE-M MCAL/KG *		1.33	1.39		
CATTLE NE-GAIN MCAL/KG *		0.77	0.81		
CATTLE NE-LACTATION MCAL/KG *		1.43	1.50		
CATTLE TDN % *		61.5	64.4		
SHEEP TDN % *		73.4	77.0		
SWINE TDN % *		67.1	70.3		
CALCIUM	%	0.25	0.26		1
COPPER	MG/KG	10.7	11.2		1
IRON	%	0.004	0.004		1
MAGNESIUM	%	0.13	0.14		1
MANGANESE	MG/KG	11.4	11.9		1

PROSOPIS GLANDULOSA, MESQUITE, HONEY

PHOSOPIS GLANDULOSA HONEY, BROWSE, FRESH, (2)

REF NO 2-13-335

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	45.7	100.0		1
ORGANIC MATTER	%	40.7	89.1		
ASH	%	5.0	10.9	45	4
CRUDE FIBER	%	13.5	29.5	6	4
ETHER EXTRACT	%	4.3	9.4	60	4
NITROGEN FREE EXTRACT	%	14.2	31.2	24	4
PROTEIN	%	8.7	19.0	21	4
CATTLE DIG PROT % *		6.4	14.0		
GOATS DIG PROT % *		6.5	14.3		
HORSES DIG PROT % *		6.2	13.6		
RABBITS DIG PROT % *		6.1	13.3		
SHEEP DIG PROT % *		6.7	14.7		

PROSOPIS SPP, MESQUITE

PROSOPIS SPP, LEAVES W PODS W SEEDS, S-C, (1)

REF NO 1-10-397

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.9		
ASH	%		3.1		1
CRUDE FIBER	%		23.3		1
ETHER EXTRACT	%		1.5		1
NITROGEN FREE EXTRACT	%		62.2		1
PROTEIN	%		9.9		1
CATTLE DIG PROT % *			5.5		
GOATS DIG PROT % *			5.8		
HORSES DIG PROT % *			6.0		
RABBITS DIG PROT % *			6.3		
SHEEP DIG PROT % *			5.5		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.55		
HORSES DE MCAL/KG *			1.61		
SHEEP DE MCAL/KG *			2.60		
CATTLE ME MCAL/KG *			2.09		
HORSES ME MCAL/KG *			1.32		
SHEEP ME MCAL/KG *			2.14		
CATTLE NE-M MCAL/KG *			1.23		
CATTLE NE-GAIN MCAL/KG *			0.58		
CATTLE NE-LACTATION MCAL/KG *			1.28		
CATTLE TDN % *			57.8		
HORSES TDN % *			39.5		
SHEEP TDN % *			59.1		

PROSOPIS SPP, SEEDS W PODS, (1)

REF NO 1-08-579

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.1		
ASH	%		4.9		2
CRUDE FIBER	%		27.8		2
ETHER EXTRACT	%		3.2		2
NITROGEN FREE EXTRACT	%		50.4		2
PROTEIN	%		13.8		2
CATTLE DIG PROT % *			8.9		
GOATS DIG PROT % *			9.4		
HORSES DIG PROT % *			9.2		
RABBITS DIG PROT % *			9.3		
SHEEP DIG PROT % *			8.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.77		
HORSES DE MCAL/KG *			1.91		
SHEEP DE MCAL/KG *			2.65		
CATTLE ME MCAL/KG *			2.27		
HORSES ME MCAL/KG *			1.57		
SHEEP ME MCAL/KG *			2.18		
CATTLE NE-M MCAL/KG *			1.35		
CATTLE NE-GAIN MCAL/KG *			0.75		
CATTLE NE-LACTATION MCAL/KG *			1.45		
CATTLE TDN % *			62.8		
HORSES TDN % *			47.6		
SHEEP TDN % *			60.2		

PROSOPIS SPP, SEEDS W PODS, GRND, (1)

REF NO 1-13-190

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.6		
ASH	%		6.4		1
CRUDE FIBER	%		34.6		1
ETHER EXTRACT	%		5.1		1
NITROGEN FREE EXTRACT	%		47.8		1
PROTEIN	%		6.1		1
CATTLE DIG PROT % *			2.2		
GOATS DIG PROT % *			2.3		
HORSES DIG PROT % *			2.7		
RABBITS DIG PROT % *			3.4		
SHEEP DIG PROT % *			2.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.47		
HORSES DE MCAL/KG *			2.39		
SHEEP DE MCAL/KG *			2.31		
CATTLE ME MCAL/KG *			2.03		
HORSES ME MCAL/KG *			1.96		
SHEEP ME MCAL/KG *			1.89		
CATTLE NE-M MCAL/KG *			1.20		
CATTLE NE-GAIN MCAL/KG *			0.52		
CATTLE NE-LACTATION MCAL/KG *			1.22		
CATTLE TDN % *			56.1		
HORSES TDN % *			60.8		
SHEEP TDN % *			52.4		

PROSOPIS SPP, SEEDS W PODS, FRESH GRND, (2)

REF NO 2-13-191

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.3		
ASH	%		5.7		2
CRUDE FIBER	%		29.9		2
ETHER EXTRACT	%		3.7		2
NITROGEN FREE EXTRACT	%		41.6		2
PROTEIN	%		19.1		2
CATTLE DIG PROT % *			14.2		
GOATS DIG PROT % *			14.4		
HORSES DIG PROT % *			13.8		
RABBITS DIG PROT % *			13.4		
SHEEP DIG PROT % *			14.8		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			3.00		
SHEEP DE MCAL/KG *			2.92		
CATTLE ME MCAL/KG *			2.46		
SHEEP ME MCAL/KG *			2.39		
CATTLE NE-M MCAL/KG *			1.49		
CATTLE NE-GAIN MCAL/KG *			0.92		
CATTLE NE-LACTATION MCAL/KG *			1.63		
CATTLE TDN % *			68.1		
SHEEP TDN % *			66.1		

PRUNUS AMYGDALUS, ALMOND

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PRUNUS AMYGDALUS, KERNELS NO SKINS, (4)						
REF NO 4-13-319						
DRY MATTER		%	96.1	100.0		1
ORGANIC MATTER		%	92.7	96.5		
ASH		%	3.4	3.5		1
CRUDE FIBER		%	3.1	3.2		1
ETHER EXTRACT		%	54.2	56.4		1
NITROGEN FREE EXTRACT		%	18.0	18.7		
PROTEIN		%	17.4	18.1		1
CATTLE	DIG PROT	% *	12.1	12.6		
GOATS	DIG PROT	% *	13.3	13.8		
HORSES	DIG PROT	% *	13.3	13.8		
SHEEP	DIG PROT	% *	13.3	13.8		
CALCIUM		%	0.21	0.22		1
IRON		%	0.003	0.003		1
PHOSPHORUS		%	0.42	0.44		1
ASCORBIC ACID		MG/KG	5.3	5.5		1
NIACIN		MG/KG	36.9	38.4		1
RIBOFLAVIN		MG/KG	4.9	5.1		1
THIAMINE		MG/KG	2.0	2.1		1

PRUNUS ARMENIACA, APRICOTS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PRUNUS ARMENIACA, FRUIT NO PITS, FRESH, (4)						
REF NO 4-00-426						
DRY MATTER		%	15.3	100.0		1
ORGANIC MATTER		%	14.5	94.8		
ASH		%	0.8	5.2		1
CRUDE FIBER		%	0.9	5.9		1
ETHER EXTRACT		%	0.4	2.6		1
NITROGEN FREE EXTRACT		%	12.4	81.0		
PROTEIN		%	0.8	5.2		1
CATTLE	DIG PROT	% *	0.1	0.8		
GOATS	DIG PROT	% *	0.3	2.0		
HORSES	DIG PROT	% *	0.3	2.0		
SHEEP	DIG PROT	% *	0.3	2.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.45	2.91		
SHEEP	DE MCAL/KG	*	0.55	3.62		
SWINE	DE KCAL/KG	*	561.	3667.		
CATTLE	ME MCAL/KG	*	0.37	2.39		
SHEEP	ME MCAL/KG	*	0.45	2.97		
SWINE	ME KCAL/KG	*	533.	3482.		
CATTLE	NE-M MCAL/KG	*	0.22	1.44		
CATTLE	NE-GAIN MCAL/KG	*	0.13	0.86		
CATTLE	NE-LACTATION MCAL/KG	*	0.24	1.56		
CATTLE	TDN	% *	10.1	66.0		
SHEEP	TDN	% *	12.6	82.0		
SWINE	TDN	% *	12.7	83.2		
CALCIUM		%	0.02	0.13		1
IRON		%	0.001	0.007		1
PHOSPHORUS		%	0.03	0.20		1
ASCORBIC ACID		MG/KG	88.5	578.4		1
NIACIN		MG/KG	5.0	32.7		1
RIBOFLAVIN		MG/KG	0.7	4.6		1
THIAMINE		MG/KG	0.4	2.6		1
VITAMIN A EQUIV		IU/G	14.2	92.6		

PRUNUS DOMESTICA, PLUM, GARDEN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PRUNUS DOMESTICA GARDEN, FRUIT NO PITS, FRESH, (4)						
REF NO 4-13-482						
DRY MATTER		%	17.9	100.0		2
ORGANIC MATTER		%	17.5	97.9		
ASH		%	0.4	2.1		2
CRUDE FIBER		%	0.3	1.9		1
ETHER EXTRACT		%	0.2	1.2		2
NITROGEN FREE EXTRACT		%	16.4	92.0		
PROTEIN		%	0.5	2.9		3
CATTLE	DIG PROT	% *	-0.2	-1.3		
GOATS	DIG PROT	% *	-0.0	-0.1		
HORSES	DIG PROT	% *	-0.0	-0.1		
SHEEP	DIG PROT	% *	-0.0	-0.1		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	0.69	3.84		
SHEEP	ME MCAL/KG	*	0.56	3.15		
SHEEP	TDN	% *	15.5	87.1		
CALCIUM		%	0.01	0.06		2
PHOSPHORUS		%	0.03	0.18		2
ASCORBIC ACID		MG/KG	97.1	544.1		2
NIACIN		MG/KG	4.2	23.4		2
RIBOFLAVIN		MG/KG	1.6	8.8		2
THIAMINE		MG/KG	0.4	2.1		2
VITAMIN A EQUIV		IU/G	4.1	23.0		

PRUNUS PERSICA, PEACHES

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PRUNUS PERSICA, FRUIT NO PEELINGS NO PITS, FRESH, (2)						
REF NO 2-13-481						
DRY MATTER		%	20.5	100.0		2
ORGANIC MATTER		%	20.0	97.6		
ASH		%	0.5	2.4		2
CRUDE FIBER		%	0.7	3.6		2
ETHER EXTRACT		%	0.2	1.0		2
NITROGEN FREE EXTRACT		%	18.4	89.8		
PROTEIN		%	0.7	3.2		2
CATTLE	DIG PROT	% *	0.1	0.6		
GOATS	DIG PROT	% *	-0.1	-0.5		
HORSES	DIG PROT	% *	0.0	0.2		
RABBITS	DIG PROT	% *	0.2	1.1		
SHEEP	DIG PROT	% *	-0.0	-0.0		
CALCIUM		%	0.02	0.10		2
IRON		%	0.001	0.005		2
PHOSPHORUS		%	0.03	0.12		2
ASCORBIC ACID		MG/KG	131.6	641.8		2
NIACIN		MG/KG	5.3	25.8		2
RIBOFLAVIN		MG/KG	0.8	3.9		2
THIAMINE		MG/KG	0.5	2.5		2
VITAMIN A EQUIV		IU/G	0.9	4.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PRUNUS PERSICA, FRUIT NO PITS, FRESH, (4)						
REF NO 4-03-614						
DRY MATTER		%	18.7	100.0	6	7
ORGANIC MATTER		%	18.2	97.6		
ASH		%	0.4	2.4	17	7
CRUDE FIBER		%	0.7	4.0	20	7
ETHER EXTRACT		%	0.2	1.1	6	7
NITROGEN FREE EXTRACT		%	16.4	87.9		
PROTEIN		%	0.9	4.7	18	7
CATTLE	DIG PROT	% *	0.1	0.3		
GOATS	DIG PROT	% *	0.3	1.5		
HORSES	DIG PROT	% *	0.3	1.5		
SHEEP	DIG PROT	% *	0.3	1.5		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	0.71	3.79		
SWINE	DE KCAL/KG	*	737.	3946.		
SHEEP	ME MCAL/KG	*	0.58	3.11		
SWINE	ME KCAL/KG	*	700.	3751.		
SHEEP	TDN	% *	16.0	85.9		
SWINE	TDN	% *	16.7	89.5		
CALCIUM		%	0.01	0.05	6	7
IRON		%	0.001	0.005	6	7
PHOSPHORUS		%	0.03	0.14	24	7
ASCORBIC ACID		MG/KG	115.8	620.1	21	7
NIACIN		MG/KG	5.0	26.8	14	7
RIBOFLAVIN		MG/KG	0.7	4.0	11	7
THIAMINE		MG/KG	0.4	2.2	19	7
VITAMIN A EQUIV		IU/G	5.5	29.3		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PRUNUS PERSICA, FRUIT NO PITS, 5-C, (4)						
REF NO 4-13-452						
DRY MATTER		%	94.1	100.0		1
ORGANIC MATTER		%	91.3	97.0		
ASH		%	2.8	3.0		1
CRUDE FIBER		%	0.9	1.0		1
ETHER EXTRACT		%	0.3	0.3		1
NITROGEN FREE EXTRACT		%	86.4	91.8		
PROTEIN		%	3.7	3.9		1
CATTLE	DIG PROT	% *	-0.3	-0.4		
GOATS	DIG PROT	% *	0.8	0.8		
HORSES	DIG PROT	% *	0.8	0.8		
SHEEP	DIG PROT	% *	0.8	0.8		
CALCIUM		%	0.04	0.04		1
IRON		%	0.003	0.003		1
PHOSPHORUS		%	0.01	0.01		1
ASCORBIC ACID		MG/KG	309.0	328.4		1
NIACIN		MG/KG	5.2	5.5		1
RIBOFLAVIN		MG/KG	0.3	0.3		1
THIAMINE		MG/KG	0.4	0.4		1
VITAMIN A EQUIV		IU/G	7.3	7.8		

PSIDIUM GUAJAVA, GUAVA, COMMON

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PSIDIUM GUAJAVA COMMON, PITS, (1)						
REF NO 1-09-737						
DRY MATTER		%	90.0	100.0		2
ORGANIC MATTER		%	86.9	96.6		
ASH		%	3.1	3.4		3
CRUDE FIBER		%	33.6	37.4		3
ETHER EXTRACT		%	4.6	5.1		3
NITROGEN FREE EXTRACT		%	32.6	36.2		3
PROTEIN		%	16.1	17.9		3
CATTLE	DIG PROT	% *	11.2	12.4		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT % *	11.9	13.2	
HORSES	DIG PROT % *	11.4	12.7	
RABBITS	DIG PROT % *	11.2	12.5	
SHEEP	DIG PROT % *	11.4	12.6	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.03	2.25	
SHEEP	DE MCAL/KG *	2.24	2.49	
CATTLE	ME MCAL/KG *	1.66	1.85	
SHEEP	ME MCAL/KG *	1.84	2.04	
CATTLE	NE-M MCAL/KG *	0.98	1.09	
CATTLE	NE-GAIN MCAL/KG *	0.29	0.32	
CATTLE	NE-LACTATION MCAL/KG *	0.94	1.04	
CATTLE	TDN % *	45.9	51.0	
SHEEP	TDN % *	50.9	56.5	

PSIDIUM GUAJAVA COMMON, PITS, BOILED GRND, (1)

REF NO 1-09-750

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		97.2	
ASH	%		2.8	1
CRUDE FIBER	%		32.8	1
ETHER EXTRACT	%		9.3	1
NITROGEN FREE EXTRACT	%		46.8	1
PROTEIN	%		8.3	1
CATTLE	DIG PROT % *		4.1	
GOATS	DIG PROT % *		4.3	
HORSES	DIG PROT % *		4.6	
RABBITS	DIG PROT % *		5.1	
SHEEP	DIG PROT % *		4.0	

PSIDIUM GUAJAVA COMMON, PITS, GRND, (1)

REF NO 1-09-710

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	91.4	100.0	1
ORGANIC MATTER	%	84.3	92.2	
ASH	%	7.1	7.8	1
CRUDE FIBER	%	26.8	29.3	1
ETHER EXTRACT	%	13.3	14.6	1
NITROGEN FREE EXTRACT	%	34.1	37.3	1
PROTEIN	%	10.1	11.1	1
CATTLE	DIG PROT % *	5.9	6.5	
GOATS	DIG PROT % *	6.3	6.9	
HORSES	DIG PROT % *	6.3	6.9	
RABBITS	DIG PROT % *	6.6	7.2	
SHEEP	DIG PROT % *	5.9	6.5	

PSIDIUM GUAJAVA COMMON, FRUIT, DEHY GRND, (4)

REF NO 4-17-406

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		96.9	
ASH	%		3.1	1
CRUDE FIBER	%		17.9	1
ETHER EXTRACT	%		4.0	1
NITROGEN FREE EXTRACT	%		73.1	1
PROTEIN	%		2.0	1
CATTLE	DIG PROT % *		-2.2	
GOATS	DIG PROT % *		-0.9	
HORSES	DIG PROT % *		-0.9	
SHEEP	DIG PROT % *		-0.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.88	
SHEEP	DE MCAL/KG *		3.37	
SWINE	DE KCAL/KG *		3278.	
CATTLE	ME MCAL/KG *		2.36	
SHEEP	ME MCAL/KG *		2.77	
SWINE	ME KCAL/KG *		3134.	
CATTLE	NE-M MCAL/KG *		1.42	
CATTLE	NE-GAIN MCAL/KG *		0.84	
CATTLE	NE-LACTATION MCAL/KG *		1.54	
CATTLE	TDN % *		65.4	
SHEEP	TDN % *		76.5	
SWINE	TDN % *		74.3	

PSIDIUM GUAJAVA COMMON, PITS, DEHY GRND, (4)

REF NO 4-13-476

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	92.0	100.0	2
ORGANIC MATTER	%	85.2	92.6	
ASH	%	6.8	7.4	2
CRUDE FIBER	%	45.5	49.5	2
ETHER EXTRACT	%	4.8	5.2	2
NITROGEN FREE EXTRACT	%	28.9	31.4	2
PROTEIN	%	6.0	6.5	2
CATTLE	DIG PROT % *	1.8	2.0	
GOATS	DIG PROT % *	3.0	3.2	
HORSES	DIG PROT % *	3.0	3.2	
SHEEP	DIG PROT % *	3.0	3.2	

PUERARIA JAVANICA JAVANICA, KUDZU, JAVANICA

PUERARIA JAVANICA JAVANICA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-13-234

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	23.3	100.0	1
ORGANIC MATTER	%	21.7	93.3	
ASH	%	1.6	6.7	1
CRUDE FIBER	%	8.6	36.7	1
ETHER EXTRACT	%	0.6	2.5	1
NITROGEN FREE EXTRACT	%	8.9	38.0	1
PROTEIN	%	3.8	16.1	1
CATTLE	DIG PROT % *	2.7	11.6	
GOATS	DIG PROT % *	2.7	11.6	
HORSES	DIG PROT % *	2.6	11.2	
RABBITS	DIG PROT % *	2.6	11.1	
SHEEP	DIG PROT % *	2.8	12.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.60	2.56	
SHEEP	DE MCAL/KG *	0.63	2.69	
CATTLE	ME MCAL/KG *	0.49	2.10	
SHEEP	ME MCAL/KG *	0.51	2.21	
CATTLE	NE-M MCAL/KG *	0.29	1.24	
CATTLE	NE-GAIN MCAL/KG *	0.14	0.59	
CATTLE	NE-LACTATION MCAL/KG *	0.30	1.29	
CATTLE	TDN % *	13.5	58.1	
SHEEP	TDN % *	14.2	61.1	
CALCIUM	%	0.24	1.05	1
PHOSPHORUS	%	0.07	0.28	1

PUERARIA PHASEOLOIDES, KUDZU, TROPICAL

PUERARIA PHASEOLOIDES TROPICAL, HAY, S-C, LATE VEGETATIVE, CUT 2, (1)

REF NO 1-10-811

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		91.4	
ASH	%		8.6	1
CRUDE FIBER	%		38.4	1
CATTLE	DIG COEF %		81.	1
ETHER EXTRACT	%		1.7	1
CATTLE	DIG COEF %		77.	1
NITROGEN FREE EXTRACT	%		34.6	1
CATTLE	DIG COEF %		83.	1
PROTEIN	%		16.7	1
CATTLE	DIG COEF %		88.	1
CATTLE	DIG PROT %		14.7	
GOATS	DIG PROT % *		12.1	
HORSES	DIG PROT % *		11.7	
RABBITS	DIG PROT % *		11.6	
SHEEP	DIG PROT % *		11.5	
ENERGY	GE KCAL/KG			
CATTLE	GE DIG COEF %		82.	1
CATTLE	DE MCAL/KG *		3.42	
SHEEP	DE MCAL/KG *		2.39	
CATTLE	ME MCAL/KG *		2.80	
SHEEP	ME MCAL/KG *		1.96	
CATTLE	NE-M MCAL/KG *		1.77	
CATTLE	NE-GAIN MCAL/KG *		1.18	
CATTLE	NE-LACTATION MCAL/KG *		1.95	
CATTLE	TDN %		77.5	1
SHEEP	TDN % *		54.3	
CALCIUM	%		0.55	1
PHOSPHORUS	%		0.18	1

PUERARIA PHASEOLOIDES TROPICAL, AERIAL PART, FRESH, (2)

REF NO 2-10-228

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	24.9	100.0	22 6
ORGANIC MATTER	%	22.4	90.0	33 1
ASH	%	2.0	8.0	33 4
CRUDE FIBER	%	9.2	37.1	7 5
ETHER EXTRACT	%	1.0	3.9	57 4
NITROGEN FREE EXTRACT	%	8.6	34.7	13 4
PROTEIN	%	4.1	16.3	12 6
CATTLE	DIG PROT % *	2.9	11.8	
GOATS	DIG PROT % *	2.9	11.8	
HORSES	DIG PROT % *	2.8	11.4	
RABBITS	DIG PROT % *	2.8	11.3	
SHEEP	DIG PROT % *	3.0	12.2	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.60	2.40	
SHEEP	DE MCAL/KG *	0.69	2.77	
CATTLE	ME MCAL/KG *	0.49	1.96	
SHEEP	ME MCAL/KG *	0.56	2.27	
CATTLE	NE-M MCAL/KG *	0.29	1.16	
CATTLE	NE-GAIN MCAL/KG *	0.11	0.45	
CATTLE	NE-LACTATION MCAL/KG *	0.29	1.16	
CATTLE	TDN % *	13.5	54.3	
SHEEP	TDN % *	15.6	62.9	
CALCIUM	%	0.11	0.44	33 8
COPPER	MG/KG	4.9	19.7	2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
IRON	%	0.010	0.042		3
MAGNESIUM	%	0.10	0.40		3
MANGANESE	MG/KG	74.0	297.8		3
PHOSPHORUS	%	0.04	0.15	62	4
POTASSIUM	%	0.27	1.10		1
SODIUM	%	0.02	0.08		1
ZINC	MG/KG	14.2	57.0		1
VITAMIN A EQUIV	IU/G	5.7	23.0		

PUERARIA PHASEOLOIDES TROPICAL, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-10-428

DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.0	
ASH		%		9.0	1
CRUDE FIBER		%		26.3	1
ETHER EXTRACT		%		2.6	1
NITROGEN FREE EXTRACT		%		45.3	1
PROTEIN		%		16.8	1
CATTLE	DIG PROT	% *		12.2	
GOATS	DIG PROT	% *		12.2	
HORSES	DIG PROT	% *		11.8	
RABBITS	DIG PROT	% *		11.6	
SHEEP	DIG PROT	% *		12.6	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.86	
SHEEP	DE MCAL/KG	*		2.80	
CATTLE	ME MCAL/KG	*		2.34	
SHEEP	ME MCAL/KG	*		2.30	
CATTLE	NE-M MCAL/KG	*		1.40	
CATTLE	NE-GAIN MCAL/KG	*		0.82	
CATTLE	NE-LACTATION MCAL/KG	*		1.52	
CATTLE	TDN	% *		64.8	
SHEEP	TDN	% *		63.6	

PUERARIA PHASEOLOIDES TROPICAL, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-242

DRY MATTER		%	26.2	100.0	1
ORGANIC MATTER		%	23.6	90.0	
ASH		%	2.6	10.0	1
CRUDE FIBER		%	8.7	33.1	1
ETHER EXTRACT		%	0.4	1.6	1
NITROGEN FREE EXTRACT		%	7.0	26.6	1
PROTEIN		%	7.5	28.8	1
CATTLE	DIG PROT	% *	5.9	22.4	
GOATS	DIG PROT	% *	6.1	23.4	
HORSES	DIG PROT	% *	5.8	22.0	
RABBITS	DIG PROT	% *	5.5	20.9	
SHEEP	DIG PROT	% *	6.2	23.8	
CALCIUM		%	0.10	0.39	1
PHOSPHORUS		%	0.11	0.42	1

PUERARIA PHASEOLOIDES TROPICAL, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-11-979

DRY MATTER		%	15.8	100.0	1
ORGANIC MATTER		%	14.9	94.3	
ASH		%	0.9	5.7	1
ETHER EXTRACT		%	0.3	1.6	1
NITROGEN FREE EXTRACT		%	7.0	44.1	1
CELLULOSE (CRAMPTON)		%	5.0	31.9	1
CALCIUM		%	0.21	1.35	1
COBALT		MG/KG	0.014	0.090	1
COPPER		MG/KG	3.6	22.5	1
IRON		%	0.003	0.019	1
MAGNESIUM		%	0.06	0.37	1
MANGANESE		MG/KG	12.0	76.0	1
MOLYBDENUM		MG/KG	0.35	2.19	1
ZINC		MG/KG	4.2	26.7	1

PUERARIA PHASEOLOIDES TROPICAL, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-11-980

DRY MATTER		%	30.9	100.0	1
ORGANIC MATTER		%	27.3	88.4	
ASH		%	3.6	11.6	1
ETHER EXTRACT		%	0.6	2.1	1
NITROGEN FREE EXTRACT		%	14.5	47.0	1
CELLULOSE (CRAMPTON)		%	7.7	24.9	1
CALCIUM		%	1.08	3.48	1
COBALT		MG/KG	0.028	0.090	1
COPPER		MG/KG	4.2	13.5	1
IRON		%	0.007	0.022	1
MAGNESIUM		%	0.14	0.46	1
MANGANESE		MG/KG	59.3	192.0	1
MOLYBDENUM		MG/KG	0.02	0.05	1
ZINC		MG/KG	6.4	20.8	1

PUERARIA PHASEOLOIDES TROPICAL, AERIAL PART, FRESH FERTILIZED, MATURE, (2)

REF NO 2-11-976

DRY MATTER		%		100.0	
ORGANIC MATTER		%		92.0	
ASH		%		8.0	1
CRUDE FIBER		%		32.5	1
ETHER EXTRACT		%		2.5	1
NITROGEN FREE EXTRACT		%		40.0	1
PROTEIN		%		17.0	1
CATTLE	DIG PROT	% *		12.3	
GOATS	DIG PROT	% *		12.4	
HORSES	DIG PROT	% *		12.0	
RABBITS	DIG PROT	% *		11.8	
SHEEP	DIG PROT	% *		12.8	
ENERGY	DE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.67	
SHEEP	DE MCAL/KG	*		2.72	
CATTLE	ME MCAL/KG	*		2.19	
SHEEP	ME MCAL/KG	*		2.23	
CATTLE	NE-M MCAL/KG	*		1.30	
CATTLE	NE-GAIN MCAL/KG	*		0.67	
CATTLE	NE-LACTATION MCAL/KG	*		1.37	
CATTLE	TDN	% *		60.5	
SHEEP	TDN	% *		61.7	

PUERARIA PHASEOLOIDES TROPICAL, LEAVES, FRESH, (2)

REF NO 2-11-974

DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.3	
ASH		%		8.7	15 11
CRUDE FIBER		%		34.4	11 11
ETHER EXTRACT		%		1.7	40 11
NITROGEN FREE EXTRACT		%		38.0	9 11
PROTEIN		%		17.2	18 11
CATTLE	DIG PROT	% *		12.5	
GOATS	DIG PROT	% *		12.6	
HORSES	DIG PROT	% *		12.1	
RABBITS	DIG PROT	% *		11.9	
SHEEP	DIG PROT	% *		13.0	
FATTY ACIDS		%			
ACETIC		%		0.607	1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		2.72	
SHEEP	DE MCAL/KG	*		2.64	
CATTLE	ME MCAL/KG	*		2.23	
SHEEP	ME MCAL/KG	*		2.16	
CATTLE	NE-M MCAL/KG	*		1.33	
CATTLE	NE-GAIN MCAL/KG	*		0.72	
CATTLE	NE-LACTATION MCAL/KG	*		1.41	
CATTLE	TDN	% *		61.7	
SHEEP	TDN	% *		59.8	
CALCIUM		%		0.75	97 11
PHOSPHORUS		%		0.18	98 10

PUERARIA PHASEOLOIDES TROPICAL, LEAVES, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-11-977

DRY MATTER		%		100.0	
CRUDE FIBER		%		28.2	1
ETHER EXTRACT		%		3.7	1
NITROGEN FREE EXTRACT		%		41.3	1
PROTEIN		%		21.3	1
CATTLE	DIG PROT	% *		16.0	
GOATS	DIG PROT	% *		16.4	
HORSES	DIG PROT	% *		15.6	
RABBITS	DIG PROT	% *		15.1	
SHEEP	DIG PROT	% *		16.8	
LIGNIN (ELLIS)		%		11.9	1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*		3.10	
SHEEP	DE MCAL/KG	*		2.98	
CATTLE	ME MCAL/KG	*		2.54	
SHEEP	ME MCAL/KG	*		2.44	
CATTLE	NE-M MCAL/KG	*		1.56	
CATTLE	NE-GAIN MCAL/KG	*		0.99	
CATTLE	NE-LACTATION MCAL/KG	*		1.71	
CATTLE	TDN	% *		70.4	
SHEEP	TDN	% *		67.6	
CALCIUM		%		1.25	1
MAGNESIUM		%		0.38	1
PHOSPHORUS		%		0.32	1
POTASSIUM		%		1.00	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
PUERARIA PHASEOLOIDES TROPICAL, LEAVES, FRESH, LATE VEGETATIVE, (2)					
REF NO 2-17-696					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.0	
ASH		%		7.0	1
PROTEIN		%		15.8	1
CATTLE	DIG PROT	% *		11.3	
GOATS	DIG PROT	% *		11.3	
HORSES	DIG PROT	% *		10.9	
RABBITS	DIG PROT	% *		10.9	
SHEEP	DIG PROT	% *		11.7	
PUERARIA PHASEOLOIDES TROPICAL, STEMS, FRESH, (2)					
REF NO 2-11-975					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.1	
ASH		%		8.9	1
CRUDE FIBER		%		44.8	1
ETHER EXTRACT		%		1.7	1
NITROGEN FREE EXTRACT		%		30.9	1
PROTEIN		%		13.7	1
CATTLE	DIG PROT	% *		9.6	
GOATS	DIG PROT	% *		9.4	
HORSES	DIG PROT	% *		9.2	
RABBITS	DIG PROT	% *		9.3	
SHEEP	DIG PROT	% *		9.8	
CALCIUM		%		0.69	1
PHOSPHORUS		%		0.88	1
PUERARIA PHASEOLOIDES TROPICAL, STEMS, FRESH, 43 TO 56 DAYS' GROWTH, (2)					
REF NO 2-11-976					
DRY MATTER		%		100.0	
CRUDE FIBER		%		44.4	1
ETHER EXTRACT		%		2.1	1
NITROGEN FREE EXTRACT		%		37.5	1
PROTEIN		%		10.1	1
CATTLE	DIG PROT	% *		6.5	
GOATS	DIG PROT	% *		6.0	
HORSES	DIG PROT	% *		6.1	
RABBITS	DIG PROT	% *		6.5	
SHEEP	DIG PROT	% *		6.4	
LIGNIN (ELLIS)		%		11.6	1
CALCIUM		%		0.76	1
MAGNESIUM		%		0.10	1
PHOSPHORUS		%		0.23	1
POTASSIUM		%		1.60	1
PUERARIA SPP, KUDZU					
PUERARIA SPP, LEAVES, DEHY, (1)					
REF NO 1-10-810					
DRY MATTER		%	89.4	100.0	1
ORGANIC MATTER		%	82.1	91.8	1
ASH		%	7.3	8.2	1
CRUDE FIBER		%	22.2	24.8	1
ETHER EXTRACT		%	12.4	13.9	1
NITROGEN FREE EXTRACT		%	25.8	28.9	1
PROTEIN		%	21.7	24.3	1
CATTLE	DIG PROT	% *	16.1	18.0	
GOATS	DIG PROT	% *	17.2	19.2	
HORSES	DIG PROT	% *	16.2	18.1	
RABBITS	DIG PROT	% *	15.6	17.4	
SHEEP	DIG PROT	% *	16.4	18.3	
VITAMIN A EQUIV		IU/G	143.5	160.5	
PUERARIA THUNBERGIANA, KUDZU, THUNBERG					
PUERARIA THUNBERGIANA THUNBERG, AERIAL PART, DEHY, (1)					
REF NO 1-11-541					
DRY MATTER		%	94.7	100.0	1
ORGANIC MATTER		%	88.2	93.1	1
ASH		%	6.5	6.9	1
CRUDE FIBER		%	38.8	41.0	1
ETHER EXTRACT		%	3.3	3.5	1
NITROGEN FREE EXTRACT		%	28.9	30.5	1
PROTEIN		%	17.2	18.2	1
CATTLE	DIG PROT	% *	12.0	12.7	
GOATS	DIG PROT	% *	12.8	13.5	
HORSES	DIG PROT	% *	12.3	13.0	
RABBITS	DIG PROT	% *	12.0	12.7	
SHEEP	DIG PROT	% *	12.2	12.9	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	2.22	2.35	
SHEEP	ME	MCAL/KG *	1.82	1.92	
SHEEP	TDN	% *	50.4	53.2	
PUERARIA THUNBERGIANA THUNBERG, AERIAL PART, FRESH, (2)					
REF NO 2-10-237					
DRY MATTER		%	22.9	100.0	2
ORGANIC MATTER		%	20.9	91.5	1
ASH		%	2.9	12.8	3
CRUDE FIBER		%	6.7	29.1	3
ETHER EXTRACT		%	0.9	4.0	3
NITROGEN FREE EXTRACT		%	8.6	37.5	3
PROTEIN		%	3.8	16.5	3
CATTLE	DIG PROT	% *	2.7	11.9	
GOATS	DIG PROT	% *	2.7	12.0	
HORSES	DIG PROT	% *	2.6	11.6	
RABBITS	DIG PROT	% *	2.6	11.6	
SHEEP	DIG PROT	% *	2.8	12.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.57	2.49	
SHEEP	DE	MCAL/KG *	0.62	2.73	
CATTLE	ME	MCAL/KG *	0.47	2.04	
SHEEP	ME	MCAL/KG *	0.51	2.24	
CATTLE	NE-M	MCAL/KG *	0.28	1.21	
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.53	
CATTLE	NE-LACTATION	MCAL/KG *	0.28	1.23	
CATTLE	TDN	% *	12.9	56.5	
SHEEP	TDN	% *	14.1	61.9	
CALCIUM		%	0.23	1.02	1
IRON		%	0.024	0.103	1
PHOSPHORUS		%	0.07	0.28	1
PYRUS COMMUNIS, PEAR, COMMON					
PYRUS COMMUNIS COMMON, FRUIT, FRESH, (4)					
REF NO 4-13-322					
DRY MATTER		%	19.2	100.0	2
ORGANIC MATTER		%	18.8	98.4	
ASH		%	0.3	1.6	2
CRUDE FIBER		%	2.0	10.5	2
ETHER EXTRACT		%	0.2	1.0	2
NITROGEN FREE EXTRACT		%	16.3	85.3	
PROTEIN		%	0.3	1.6	2
CATTLE	DIG PROT	% *	-0.5	-2.5	
GOATS	DIG PROT	% *	-0.3	-1.3	
HORSES	DIG PROT	% *	-0.3	-1.3	
SHEEP	DIG PROT	% *	-0.3	-1.3	
CALCIUM		%	0.02	0.10	2
IRON		%	0.001	0.005	1
PHOSPHORUS		%	0.02	0.13	2
ASCORBIC ACID		MG/KG	58.3	304.5	2
NIACIN		MG/KG	2.9	15.1	2
RIBOFLAVIN		MG/KG	0.5	2.6	2
THIAMINE		MG/KG	0.3	1.8	2
QUERCUS SPP, OAK					
QUERCUS SPP, ACORNS, (4)					
REF NO 4-07-755					
DRY MATTER		%	96.1	100.0	2
ORGANIC MATTER		%	93.3	97.1	
ASH		%	2.8	3.0	2
CRUDE FIBER		%	9.3	9.7	2
ETHER EXTRACT		%	6.9	7.2	2
NITROGEN FREE EXTRACT		%	67.2	70.0	2
PROTEIN		%	9.9	10.3	2
CATTLE	DIG PROT	% *	5.2	5.4	
GOATS	DIG PROT	% *	6.4	6.6	
HORSES	DIG PROT	% *	6.4	6.6	
SHEEP	DIG PROT	% *	6.4	6.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	3.31	3.45	
SHEEP	DE	MCAL/KG *	3.36	3.49	
SWINE	DE	KCAL/KG *	3400.	3538.	
CATTLE	ME	MCAL/KG *	2.72	2.83	
SHEEP	ME	MCAL/KG *	2.75	2.87	
SWINE	ME	KCAL/KG *	3193.	3323.	
CATTLE	NE-M	MCAL/KG *	1.73	1.80	
CATTLE	NE-GAIN	MCAL/KG *	1.15	1.19	
CATTLE	NE-LACTATION	MCAL/KG *	1.90	1.98	
CATTLE	TDN	% *	75.2	78.2	
SHEEP	TDN	% *	76.2	79.3	
SWINE	TDN	% *	77.1	80.2	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
RANUNCULUS AQUATILIS, CAPILLACEUS, BUTTERCUP, WATERCROWFOOT HAIRLEAF					
RANUNCULUS AQUATILIS, CAPILLACEUS WATERCROWFOOT HAIRLEAF, AERIAL PART, FRESH, (2)					
REF NO 2-11-992					
DRY MATTER		%	13.1	100.0	1
ORGANIC MATTER		%	9.4	71.6	
ASH		%	3.7	28.4	3
CRUDE FIBER		%	2.1	16.2	3
SHEEP	DIG COEF	%	69.	69.	1
ETHER EXTRACT		%	0.1	1.1	3
SHEEP	DIG COEF	%	43.	43.	1
NITROGEN FREE EXTRACT		%	5.3	40.2	3
SHEEP	DIG COEF	%	64.	64.	1
PROTEIN		%	1.8	14.1	3
SHEEP	DIG COEF	%	50.	50.	1
CATTLE	DIG PROT	% *	1.3	9.9	
GOATS	DIG PROT	% *	1.3	9.7	
HORSES	DIG PROT	% *	1.2	9.5	
RABBITS	DIG PROT	% *	1.3	9.6	
SHEEP	DIG PROT	%	0.9	7.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.27	2.08	
SHEEP	DE	MCAL/KG *	0.26	1.99	
CATTLE	ME	MCAL/KG *	0.22	1.70	
SHEEP	ME	MCAL/KG *	0.21	1.63	
CATTLE	NE-M	MCAL/KG *	0.13	1.01	
CATTLE	NE-GAIN	MCAL/KG *	0.02	0.16	
CATTLE	NE-LACTATION	MCAL/KG *	0.12	0.91	
CATTLE		TDN % *	6.2	47.1	
SHEEP		TDN %	5.9	45.0	1
RAPESEED MEAL, EXPELLER EXTRACTED =SEE BRASSICA SPP, SEEDS, MECH EXTD GRND, (5)					
RAPESEED MEAL, SOLVENT EXTRACTED =SEE BRASSICA SPP, SEEDS, SOLV EXTD GRND, (5)					
RAPESEED OIL MEAL, EXPELLER EXTRACTED =SEE BRASSICA SPP, SEEDS, MECH EXTD GRND, (5)					
RAPESEED OIL MEAL, SOLVENT EXTRACTED =SEE BRASSICA SPP, SEEDS, SOLV EXTD GRND, (5)					
RAPHANUS SATIVUS, RADISH, GARDEN BLACK					
RAPHANUS SATIVUS GARDEN BLACK, ROOTS, FRESH, (4)					
REF NO 4-13-224					
DRY MATTER		%	10.6	100.0	1
ORGANIC MATTER		%	10.0	94.3	
ASH		%	0.6	5.7	1
CRUDE FIBER		%	1.2	11.3	1
ETHER EXTRACT		%	0.1	0.9	1
NITROGEN FREE EXTRACT		%	7.2	67.9	
PROTEIN		%	1.5	14.2	1
CATTLE	DIG PROT	% *	1.0	9.0	
GOATS	DIG PROT	% *	1.1	10.2	
HORSES	DIG PROT	% *	1.1	10.2	
SHEEP	DIG PROT	% *	1.1	10.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.29	2.69	
SHEEP	DE	MCAL/KG *	0.37	3.47	
SWINE	DE	KCAL/KG *	338.	3187.	
CATTLE	ME	MCAL/KG *	0.23	2.21	
SHEEP	ME	MCAL/KG *	0.30	2.84	
SWINE	ME	KCAL/KG *	315.	2968.	
CATTLE	NE-M	MCAL/KG *	0.14	1.31	
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.70	
CATTLE	NE-LACTATION	MCAL/KG *	0.15	1.39	
CATTLE		TDN % *	6.5	61.1	
SHEEP		TDN % *	8.3	78.7	
SWINE		TDN % *	7.7	72.3	
CALCIUM		%	0.03	0.28	1
IRON		%	0.002	0.019	1
PHOSPHORUS		%	0.04	0.38	1
ASCORBIC ACID		MG/KG	220.0	2075.5	1
NIACIN		MG/KG	1.6	15.1	1
RIBOFLAVIN		MG/KG	0.4	3.8	1
THIAMINE		MG/KG	0.4	3.8	1
RAPHANUS SATIVVS, RADISH, GARDEN					
RAPHANUS SATIVVS GARDEN, LEAVES, FRESH CHOPPED, MATURE, (2)					
REF NO 3-17-631					
DRY MATTER		%	8.8	100.0	1
ORGANIC MATTER		%	7.1	80.7	
ASH		%	1.7	19.3	1
CRUDE FIBER		%	0.9	10.2	1
ETHER EXTRACT		%	0.3	3.4	1
NITROGEN FREE EXTRACT		%	3.5	39.8	
PROTEIN		%	2.4	27.3	1
CATTLE	DIG PROT	% *	1.9	21.1	
GOATS	DIG PROT	% *	1.9	22.0	
HORSES	DIG PROT	% *	1.8	20.7	
RABBITS	DIG PROT	% *	1.7	19.7	
SHEEP	DIG PROT	% *	2.0	22.4	
ENERGY	GE	KCAL/KG			
SHEEP	DE	MCAL/KG *	0.26	2.91	
SHEEP	ME	MCAL/KG *	0.21	2.39	
SHEEP		TDN % *	5.8	66.0	
CALCIUM		%	0.15	1.70	1
IRON		%	0.025	0.284	1
PHOSPHORUS		%	0.04	0.45	1
ASCORBIC ACID		MG/KG	640.0	7272.7	1
NIACIN		MG/KG	5.4	61.4	1
RIBOFLAVIN		MG/KG	2.4	27.3	1
THIAMINE		MG/KG	0.7	8.0	1
VITAMIN A EQUIV		IU/G	13.3	151.5	
RATANY =SEE KRAMERIA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)					
RICE BRAN (CFA) =SEE ORYZA SATIVA, BRAN W GERM, DRY MILLED, (4)					
RICE BRAN (AAFCO) =SEE ORYZA SATIVA, BRAN W GERM, DRY MILLED, MX 13% FIBER CALCIUM CARBONATE DECLARED ABOVE 3% MN, (4)					
RICE FEED (CFA) =SEE ORYZA SATIVA, BRAN W GERM W BROKEN GRAIN W POLISH, DEHY, (4)					
RICE GRAIN, BROWN =SEE ORYZA SATIVA, GROATS, (4)					
RICE GRAIN WITHOUT HULLS, GROUND =SEE ORYZA SATIVA, GROATS, GRND, (4)					
RICE GRAIN WITHOUT HULLS =SEE ORYZA SATIVA, GROATS, (4)					
RICE MILL BY-PRODUCT (AAFCO) =SEE ORYZA SATIVA, POLISHED RICE BY-PRODUCT, DEHY, MX 32% FIBER, (4)					
RICE POLISH (CFA) =SEE ORYZA SATIVA, POLISHINGS, DEHY, (4)					
RICE, WHITE, POLISHED =SEE ORYZA SATIVA, GROATS, POLISHED, (4)					
RICINUS COMMUNIS, CASTORBEAN					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RICINUS COMMUNIS, SEEDS, TOXICITY EXTD GRND CAKED, (5)					
REF NO 5-13-282					
DRY MATTER	%	90.7	100.0		1
ORGANIC MATTER	%	81.3	89.6		
ASH	%	9.4	10.4		1
CRUDE FIBER	%	24.9	27.5		1
ETHER EXTRACT	%	1.9	2.1		1
NITROGEN FREE EXTRACT	%	14.3	15.8		1
PROTEIN	%	40.2	44.3		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.54	1.70		
SHEEP	DE MCAL/KG *	2.32	2.56		
CATTLE	ME MCAL/KG *	1.26	1.39		
SHEEP	ME MCAL/KG *	1.91	2.10		
CATTLE	NE-M MCAL/KG *	0.78	0.87		
CATTLE	NE-GAIN MCAL/KG *	-0.23	-0.25		
CATTLE	NE-LACTATION MCAL/KG *	0.55	0.61		
CATTLE	TDN % *	35.0	38.6		
SHEEP	TDN % *	52.7	58.1		
CALCIUM	%	0.91	1.00		1
PHOSPHORUS	%	0.85	0.94		1
RICINUS COMMUNIS, SEEDS W HULLS, MECH EXTD GRND CAKED, (5)					
REF NO 5-13-342					
DRY MATTER	%	88.7	100.0		1
ORGANIC MATTER	%	82.6	93.1		
ASH	%	6.1	6.9		1
CRUDE FIBER	%	32.0	36.1		1
ETHER EXTRACT	%	7.7	8.7		1
NITROGEN FREE EXTRACT	%	12.2	13.8		1
PROTEIN	%	30.7	34.6		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.10	3.50		
SHEEP	DE MCAL/KG *	2.18	2.46		
CATTLE	ME MCAL/KG *	2.55	2.87		
SHEEP	ME MCAL/KG *	1.79	2.01		
CATTLE	NE-M MCAL/KG *	1.63	1.84		
CATTLE	NE-GAIN MCAL/KG *	1.08	1.22		
CATTLE	NE-LACTATION MCAL/KG *	1.79	2.02		
CATTLE	TDN % *	70.4	79.4		
SHEEP	TDN % *	49.4	55.7		
RICINUS COMMUNIS, SEEDS W HULLS, TOXICITY EXTD GRND, (5)					
REF NO 5-01-155					
DRY MATTER	%	90.5	100.0		3
ORGANIC MATTER	%	83.6	92.3		
ASH	%	6.9	7.7		3
CRUDE FIBER	%	24.2	26.8		3
ETHER EXTRACT	%	2.2	2.5		3
NITROGEN FREE EXTRACT	%	21.7	23.9		3
PROTEIN	%	35.5	39.2		3
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.89	2.09		
SHEEP	DE MCAL/KG *	2.42	2.67		
CATTLE	ME MCAL/KG *	1.55	1.72		
SHEEP	ME MCAL/KG *	1.98	2.19		
CATTLE	NE-M MCAL/KG *	0.92	1.02		
CATTLE	NE-GAIN MCAL/KG *	0.15	0.17		
CATTLE	NE-LACTATION MCAL/KG *	0.83	0.92		
CATTLE	TDN % *	42.9	47.5		
SHEEP	TDN % *	54.8	60.6		
RICINUS COMMUNIS, SEEDS NO HULLS, TOXICITY EXTD GRND, (5)					
REF NO 5-13-343					
DRY MATTER	%	93.8	100.0		1
ORGANIC MATTER	%	90.9	96.9		1
ASH	%	9.1	9.7		1
CRUDE FIBER	%	19.5	20.8		1
ETHER EXTRACT	%	0.7	0.7		1
NITROGEN FREE EXTRACT	%	14.2	15.1		1
PROTEIN	%	50.3	53.6		1
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	2.67	2.85		
SHEEP	ME MCAL/KG *	2.19	2.34		
SHEEP	TDN % *	60.6	64.6		
CALCIUM	%	0.82	0.87		1
PHOSPHORUS	%	0.67	0.71		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RICINUS COMMUNIS, SEEDS W SOME HULLS, SOLV EXTD GRND, (5)					
REF NO 5-13-341					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.0		
ASH	%		10.0		1
CRUDE FIBER	%		29.3		1
ETHER EXTRACT	%		1.4		1
NITROGEN FREE EXTRACT	%		8.2		1
PROTEIN	%		51.1		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		1.44		
SHEEP	DE MCAL/KG *		2.57		
CATTLE	ME MCAL/KG *		1.18		
SHEEP	ME MCAL/KG *		2.11		
CATTLE	NE-M MCAL/KG *		0.78		
CATTLE	NE-GAIN MCAL/KG *		-0.57		
CATTLE	NE-LACTATION MCAL/KG *		0.41		
CATTLE	TDN % *		32.7		
SHEEP	TDN % *		(58.2)		
ROCK PHOSPHATE					
ROCK PHOSPHATE, DEFLUORINATED GRND, MX 1 PART FLUORINE PER 100 PARTS PHOSPHORUS, (6) DEFLUORINATED PHOSPHATE (CFA) PHOSPHATE, DEFLUORINATED (AAFCO)					
REF NO 6-01-780					
DRY MATTER	%		(100.0)		3
ORGANIC MATTER	%				
ASH	%		(100.0)		4
CALCIUM	%		(31.60)	6	5
PHOSPHORUS	%		(15.96)	12	5
CHICKENS, CHICKS AVAILABLE	%		15.30		1
ROCK PHOSPHATE, GRND, (6) ROCK PHOSPHATE, GROUND (AAFCO)					
REF NO 6-03-945					
DRY MATTER	%		100.0		
ORGANIC MATTER	%				
ASH	%		(100.0)		1
CALCIUM	%		(30.00)		1
PHOSPHORUS	%		12.00		1
ROHIPPA NASTURTIUM-AQUATICUM, WATERCRESS					
ROHIPPA NASTURTIUM-AQUATICUM, AERIAL PART, FRESH, (2)					
REF NO 2-13-402					
DRY MATTER	%	11.4	100.0		1
ORGANIC MATTER	%	9.8	86.0		
ASH	%	1.6	14.0		1
CRUDE FIBER	%	1.2	10.5		1
ETHER EXTRACT	%	0.3	2.6		1
NITROGEN FREE EXTRACT	%	4.1	36.0		
PROTEIN	%	4.2	36.8		1
CATTLE	DIG PROT % *	3.3	29.2		
GOATS	DIG PROT % *	3.5	30.9		
HORSES	DIG PROT % *	3.3	28.8		
RABBITS	DIG PROT % *	3.1	27.1		
SHEEP	DIG PROT % *	3.6	31.3		
CALCIUM	%	0.18	1.58		1
IRON	%	0.004	0.035		1
PHOSPHORUS	%	0.07	0.61		1
ASCORBIC ACID	MG/KG	863.0	7570.2		1
NIACIN	MG/KG	10.0	87.7		1
RIBOFLAVIN	MG/KG	2.1	18.4		1
THIAMINE	MG/KG	1.1	9.6		1
VITAMIN A EQUIV	IU/G	98.4	862.7		
ROTTBOELLIA EXALTATA, ITCHGRASS					
ROTTBOELLIA EXALTATA, AERIAL PART, FRESH, (2)					
REF NO 2-10-910					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.8		
ASH	%		6.2		1
CRUDE FIBER	%		29.6		1
ETHER EXTRACT	%		1.4		1
NITROGEN FREE EXTRACT	%		56.1		1
PROTEIN	%		6.7		1
CATTLE	DIG PROT % *		3.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT % *		2.8		
HORSES	DIG PROT % *		3.2		
RABBITS	DIG PROT % *		3.8		
SHEEP	DIG PROT % *		3.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.57		
SHEEP	DE MCAL/KG *		2.67		
CATTLE	ME MCAL/KG *		2.10		
SHEEP	ME MCAL/KG *		2.19		
CATTLE	NE-M MCAL/KG *		1.24		
CATTLE	NE-GAIN MCAL/KG *		0.60		
CATTLE	NE-LACTATION MCAL/KG *		1.29		
CATTLE	TDN % *		58.2		
SHEEP	TDN % *		60.6		

RUOUGH RICE
=SEE ORYZA SATIVA, GRAIN W HULLS, (4)

RUELLIA SPP, RUELLIA

RUELLIA SPP, BROWSE, FRESH, (2)

REF NO 2-13-340

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	62.9	100.0		1
ORGANIC MATTER	%	44.8	71.3		
ASH	%	18.1	28.8		2
CRUDE FIBER	%	6.7	10.7		2
ETHER EXTRACT	%	5.6	8.9		2
NITROGEN FREE EXTRACT	%	21.1	33.5		2
PROTEIN	%	11.4	18.2		2
CATTLE	DIG PROT % *	8.4	13.3		
GOATS	DIG PROT % *	8.5	13.5		
HORSES	DIG PROT % *	8.1	12.9		
RABBITS	DIG PROT % *	8.0	12.7		
SHEEP	DIG PROT % *	8.7	13.9		

RUMEX ACETOSELLA, SUMREL, SHEEP

RUMEX ACETOSELLA SHEEP, AERIAL PART, FRESH, (2)

REF NO 2-13-333

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.0		
ASH	%		9.0		1
CRUDE FIBER	%		32.7		1
ETHER EXTRACT	%		2.3		1
NITROGEN FREE EXTRACT	%		46.3		1
PROTEIN	%		9.7		1
CATTLE	DIG PROT % *		6.1		
GOATS	DIG PROT % *		5.6		
HORSES	DIG PROT % *		5.7		
RABBITS	DIG PROT % *		6.1		
SHEEP	DIG PROT % *		6.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.45		
SHEEP	DE MCAL/KG *		2.58		
CATTLE	ME MCAL/KG *		2.01		
SHEEP	ME MCAL/KG *		2.12		
CATTLE	NE-M MCAL/KG *		1.18		
CATTLE	NE-GAIN MCAL/KG *		0.50		
CATTLE	NE-LACTATION MCAL/KG *		1.20		
CATTLE	TDN % *		55.5		
SHEEP	TDN % *		58.6		

SACCHAROMYCES CEREVISIAE, YEAST

SACCHAROMYCES CERLVISIAE, DEHY, (7)

REF NO 7-11-795

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.5	100.0	2	4
ORGANIC MATTER	%	80.5	89.9	31	4
ASH	%	10.5	11.7	31	6
CRUDE FIBER	%	3.4	3.8	91	6
ETHER EXTRACT	%	2.3	2.6	87	6
NITROGEN FREE EXTRACT	%	40.2	44.9	14	6
PROTEIN	%	33.2	37.1	25	6
CALCIUM	%	0.77	0.86	96	5
IRON	%	0.011	0.012		3
PHOSPHORUS	%	0.97	1.08	36	5
RIBOFLAVIN	MG/KG	40.3	45.0		2
THIAMINE	MG/KG	(65.8)	(73.5)		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SACCHAROMYCES CEREVISIAE, WET, (7)					
REF NO 7-05-523					
DRY MATTER	%		(100.0)		
PROTEIN	%		49.9		1
ALANINE	%		3.06		1
ARGININE	%		3.35		1
ASPARTIC ACID	%		5.46		1
CYSTINE	%		0.29		1
GLUTAMIC ACID	%		5.51		1
GLYCINE	%		2.28		1
HISTIDINE	%		1.31		1
ISOLEUCINE	%		2.00		1
LEUCINE	%		3.49		1
LYSINE	%		3.79		1
METHIONINE	%		0.56		1
PHENYLALANINE	%		2.22		1
SERINE	%		3.15		1
THREONINE	%		2.74		1
TRYPTOPHAN	%		0.77		1
TYROSINE	%		1.42		1
VALINE	%		2.47		1

SACCHAROMYCES CEREVISIAE, YEAST, BREWERS
SACCHAROMYCES

SACCHAROMYCES CEREVISIAE BREWERS
SACCHAROMYCES, DEHY GRND, (7)
BREWERS DRIED YEAST (CFA)

REF NO 7-05-528

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.1	100.0		1
ORGANIC MATTER	%	82.2	92.3		
ASH	%	6.9	7.7		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	35.2	39.5		1
PROTEIN	%	46.2	51.9		1
CALCIUM	%	0.01	0.01		1
IRON	%	0.012	0.013		1
PHOSPHORUS	%	0.01	0.01		1
ARGININE	%	0.31	0.35		1
CYSTINE	%	0.04	0.04		1
HISTIDINE	%	0.38	0.43		1
ISOLEUCINE	%	0.58	0.65		1
LEUCINE	%	0.38	0.43		1
LYSINE	%	0.46	0.52		1
METHIONINE	%	0.03	0.03		1
PHENYLALANINE	%	0.28	0.31		1
THREONINE	%	0.31	0.35		1
TRYPTOPHAN	%	0.08	0.09		1
TYROSINE	%	0.16	0.18		1
VALINE	%	(0.40)	(0.45)		1

SACCHAROMYCES CEREVISIAE BREWERS
SACCHAROMYCES, DEHY GRND, MN 40%
PROTEIN, (7)
BREWERS DRIED YEAST (AAFCO)

REF NO 7-05-527

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.6)	(100.0)	1	15
ORGANIC MATTER	%	85.9	92.8		
ASH	%	6.7	7.2	3	8
CRUDE FIBER	%	2.7	2.9	11	9
ETHER EXTRACT	%	1.3	1.4	98	9
NITROGEN FREE EXTRACT	%	37.5	40.5		6
SHEEP	DIG COEF % *	88.	88.		
PROTEIN	%	44.4	48.0		9
SHEEP	DIG COEF %	86.	86.		1
SHEEP	DIG PROT %	38.2	41.3		
FATTY ACIDS	%				
LINOLEIC	%	0.050	0.054		1
ENERGY	GE KCAL/KG	1783.	1926.		2
SHEEP	DE MCAL/KG *	3.16	3.41		
SWINE	DE KCAL/KG *	3073.	3319.		
CHICKENS	ME-N KCAL/KG	1994.	2153.	13	4
SHEEP	ME MCAL/KG *	2.59	2.80		
SWINE	ME KCAL/KG	(2638.)	(2849.)		1
CHICKENS	PRODUCTIVE KCAL/KG	1145.	1237.		2
SHEEP	TDN % *	71.7	77.4		
SWINE	TDN %	(69.7)	(75.3)		1
CALCIUM	%	(0.25)	(0.27)	98	10
CHLORINE	%	(0.12)	(0.13)		1
COBALT	MG/KG	(0.181)	(0.196)		2
COPPER	MG/KG	(32.7)	(35.4)		4
IRON	%	(0.012)	(0.013)	11	4
MAGNESIUM	%	(0.23)	(0.25)		4
MANGANESE	MG/KG	(5.2)	(5.6)	26	6
PHOSPHORUS	%	(1.40)	(1.51)	7	8
CHICKENS, CHICKS AVAILABLE	%	(0.46)	(0.50)		2
POTASSIUM	%	(1.70)	(1.84)		4
SELENIUM	MG/KG	(1.244)	(1.344)		1
SODIUM	%	(0.07)	(0.07)		5
SULPHUR	%	(0.38)	(0.41)		3

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ZINC	MG/KG	(38.6)	(41.7)		4
BIOTIN	MG/KG	(1.04)	(1.13)	16	4
CHOLINE	MG/KG	(3983.)	(4302.)	8	7
FOLIC ACID	MG/KG	(9.94)	(10.73)	11	5
NIACIN	MG/KG	(448.4)	(484.3)	2	7
PANTOTHENIC ACID	MG/KG	(109.5)	(118.2)	1	7
PYRIDOXINE	MG/KG	(42.8)	(46.2)		1
RIBOFLAVIN	MG/KG	(37.0)	(39.9)	14	8
THIAMINE	MG/KG	(91.7)	(99.1)	1	4
VITAMIN B6	MG/KG	(29.80)	(32.18)		3
ARGININE	%	(2.19)	(2.37)	2	7
CYSTINE	%	(0.50)	(0.54)	4	7
GLYCINE	%	(1.68)	(1.82)		7
HISTIDINE	%	(1.07)	(1.16)	3	5
ISOLEUCINE	%	(2.14)	(2.31)	2	5
LEUCINE	%	(3.20)	(3.45)	1	4
LYSINE	%	(2.98)	(3.22)	1	7
METHIONINE	%	(0.70)	(0.76)	2	7
PHENYLALANINE	%	(1.82)	(1.96)	2	5
THREONINE	%	(2.07)	(2.23)	1	5
TRYPTOPHAN	%	(0.49)	(0.53)		7
TYROSINE	%	(1.49)	(1.61)		4
VALINE	%	2.31	2.50	2	5

SACCHAROMYCES CEREVISIAE, YEAST, BREWERS

SACCHAROMYCES CEREVISIAE BREWERS, CENTRIFUGED, (7)

REF NO 7-11-794

DRY MATTER	%	28.2	100.0	1
CRUDE FIBER	%	1.0	3.5	1
ETHER EXTRACT	%	0.8	2.8	1
PROTEIN	%	16.3	57.8	1

SACCHAROMYCES CEREVISIAE BREWERS, DEHY, (7)

REF NO 7-11-792

DRY MATTER	%	93.6	100.0	2
ORGANIC MATTER	%	87.1	93.1	1
ASH	%	9.7	10.4	2
CRUDE FIBER	%	2.2	2.4	2
ETHER EXTRACT	%	1.3	1.4	3
NITROGEN FREE EXTRACT	%	35.8	38.3	1
PROTEIN	%	44.5	47.5	3
NIACIN	MG/KG	472.7	505.3	1

SACCHAROMYCES CEREVISIAE BREWERS, FREEZE DEHY, (7)

REF NO 7-11-793

DRY MATTER	%	89.1	100.0	1
ORGANIC MATTER	%	82.2	92.3	1
ASH	%	6.9	7.7	1
ETHER EXTRACT	%	0.8	0.9	1
PROTEIN	%	46.2	51.9	1
CALCIUM	%	0.57	0.64	1
IRON	%	0.012	0.013	1
PHOSPHORUS	%	1.42	1.59	1

SACCHAROMYCES CEREVISIAE BREWERS, WET, (7)

REF NO 7-13-789

DRY MATTER	%	10.0	100.0	1
CRUDE FIBER	%	0.2	2.0	1
ETHER EXTRACT	%	0.2	2.0	1
PROTEIN	%	5.8	58.0	1

SACCHARUM OFFICINARUM, SUGARCANE

SACCHARUM OFFICINARUM, AERIAL PART, DEHY GRND, (1)

REF NO 1-09-705

DRY MATTER	%	88.9	100.0	3
ORGANIC MATTER	%	86.9	97.8	
ASH	%	1.9	2.2	3
CRUDE FIBER	%	23.3	26.2	3
ETHER EXTRACT	%	1.5	1.6	3
NITROGEN FREE EXTRACT	%	60.5	68.1	3
PROTEIN	%	1.7	1.9	3
CATTLE DIG PROT	% *	-1.3	-1.4	
GOATS DIG PROT	% *	-1.5	-1.7	
HORSES DIG PROT	% *	-0.8	-0.9	
RABBITS DIG PROT	% *	0.1	0.1	
SHEEP DIG PROT	% *	-1.5	-1.7	
ENERGY GE KCAL/KG				
SHEEP DE KCAL/KG	*	2.13	2.40	
SHEEP ME KCAL/KG	*	1.75	1.97	
SHEEP TDN	% *	48.4	54.4	

SACCHARUM OFFICINARUM, AERIAL PART, GRND, (1)

REF NO 1-09-704

DRY MATTER	%	88.0	100.0	3 19
ORGANIC MATTER	%	85.7	97.4	
ASH	%	2.3	2.6	68 25
CRUDE FIBER	%	22.6	25.7	23 24
ETHER EXTRACT	%	2.7	3.0	98 26
NITROGEN FREE EXTRACT	%	58.2	66.1	10 25
PROTEIN	%	2.3	2.6	34 25
CATTLE DIG PROT	% *	-0.7	-0.8	
GOATS DIG PROT	% *	-0.9	-1.0	
HORSES DIG PROT	% *	-0.2	-0.3	
RABBITS DIG PROT	% *	0.6	0.7	
SHEEP DIG PROT	% *	-1.0	-1.1	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG	*	2.37	2.69	
SHEEP DE MCAL/KG	*	2.24	2.55	
CATTLE ME MCAL/KG	*	1.94	2.21	
SHEEP ME MCAL/KG	*	1.84	2.09	
CATTLE NE-M MCAL/KG	*	1.15	1.31	
CATTLE NE-GAIN MCAL/KG	*	0.61	0.69	
CATTLE NE-LACTATION MCAL/KG	*	1.22	1.39	
CATTLE TDN	% *	53.7	61.0	
SHEEP TDN	% *	50.9	57.8	
CALCIUM	%	0.35	0.40	1
PHOSPHORUS	%	0.04	0.05	1

SACCHARUM OFFICINARUM, AERIAL PART, S-C, (1)

REF NO 1-04-685

DRY MATTER	%	88.4	100.0	2 32
ORGANIC MATTER	%	85.3	96.5	
ASH	%	3.1	3.5	23 32
CRUDE FIBER	%	25.9	29.3	13 32
ETHER EXTRACT	%	2.1	2.4	46 32
NITROGEN FREE EXTRACT	%	53.6	60.7	6 32
PROTEIN	%	3.6	4.1	26 32
CATTLE DIG PROT	% *	0.4	0.5	
GOATS DIG PROT	% *	0.3	0.4	
HORSES DIG PROT	% *	0.9	1.0	
RABBITS DIG PROT	% *	1.6	1.8	
SHEEP DIG PROT	% *	0.2	0.2	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG	*	2.24	2.54	
HORSES DE MCAL/KG	*	1.51	1.70	
SHEEP DE MCAL/KG	*	2.15	2.43	
CATTLE ME MCAL/KG	*	1.84	2.08	
HORSES ME MCAL/KG	*	1.24	1.40	
SHEEP ME MCAL/KG	*	1.76	2.00	
CATTLE NE-M MCAL/KG	*	1.08	1.23	
CATTLE NE-GAIN MCAL/KG	*	0.50	0.57	
CATTLE NE-LACTATION MCAL/KG	*	1.12	1.27	
CATTLE TDN	% *	50.8	57.5	
HORSES TDN	% *	37.1	42.0	
SHEEP TDN	% *	48.8	55.2	
NIACIN	MG/KG	9.8	11.1	1
RIBOFLAVIN	MG/KG	2.1	2.4	1
THIAMINE	MG/KG	3.1	3.5	1
VITAMIN A EQUIV	IU/G	8.8	10.0	

SACCHARUM OFFICINARUM, AERIAL PART, S-C GRND PELLETED, (1)

REF NO 1-09-462

DRY MATTER	%	96.2	100.0	1
ORGANIC MATTER	%	91.7	95.3	
ASH	%	4.5	4.7	1
CRUDE FIBER	%	23.5	24.4	1
ETHER EXTRACT	%	1.1	1.1	1
NITROGEN FREE EXTRACT	%	66.2	68.8	1
PROTEIN	%	0.9	0.9	1
CATTLE DIG PROT	% *	-2.2	-2.2	
GOATS DIG PROT	% *	-2.5	-2.6	
HORSES DIG PROT	% *	-1.6	-1.7	
RABBITS DIG PROT	% *	-0.6	-0.6	
SHEEP DIG PROT	% *	-2.5	-2.6	
ENERGY GE KCAL/KG				
SHEEP DE MCAL/KG	*	2.19	2.28	
SHEEP ME MCAL/KG	*	1.80	1.87	
SHEEP TDN	% *	49.7	51.7	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM, PULP, DEHY, (1) CANE BAGASSE, DRIED						
REF NO 1-04-686						
DRY MATTER		%	93.6	100.0	1	14
ORGANIC MATTER		%	90.7	96.9	99	4
ASH		%	4.2	4.5	99	25
SHEEP	DIG COEF	%	69.	69.		
CRUDE FIBER		%	39.0	41.6	25	26
ETHER EXTRACT		%	1.1	1.2	55	25
NITROGEN FREE EXTRACT		%	47.5	50.8	20	24
PROTEIN		%	1.8	1.9	51	26
CATTLE	DIG PROT	% *	-1.3	-1.4		
GOATS	DIG PROT	% *	-1.5	-1.6		
HORSES	DIG PROT	% *	-0.8	-0.8		
RABBITS	DIG PROT	% *	0.2	0.2		
SHEEP	DIG PROT	% *	-1.6	-1.7		
CELL WALLS (VAN SOEST)		%	80.8	86.3		1
FIBER, ACID DETERGENT (VS)		%	51.8	55.3		1
SUGARS, TOTAL		%	33.7	36.0		2
LIGNIN (VAN SOEST)		%	8.9	9.5		1
ENERGY	GE	KCAL/KG	3990.	4262.		1
SHEEP	GE	DIG COEF %	23.	23.		1
SHEEP	DE	MCAL/KG	0.92	0.98		1
SHEEP	ME	MCAL/KG *	0.75	0.80		
SHEEP		TDN % *				
CALCIUM		%	0.14	0.15	98	6
COPPER		MG/KG	13.6	14.6		1
IRON		%	0.101	0.108		3
MAGNESIUM		%	0.09	0.09		2
MANGANESE		MG/KG	22.4	24.0		1
PHOSPHORUS		%	0.11	0.12	92	4
POTASSIUM		%	0.08	0.09		1
SACCHARUM OFFICINARUM, PULP, DEHY GRND, (1)						
REF NO 1-09-757						
DRY MATTER		%	46.4	100.0		1
ORGANIC MATTER		%	44.5	95.8		
ASH		%	1.9	4.2		1
CRUDE FIBER		%	22.8	49.2		1
ETHER EXTRACT		%	1.7	3.7		1
NITROGEN FREE EXTRACT		%	17.2	37.0		1
PROTEIN		%	2.7	5.9		1
CATTLE	DIG PROT	% *	1.0	2.0		
GOATS	DIG PROT	% *	1.0	2.1		
HORSES	DIG PROT	% *	1.2	2.5		
RABBITS	DIG PROT	% *	1.5	3.2		
SHEEP	DIG PROT	% *	0.9	1.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.01	2.18		
SHEEP	DE	MCAL/KG *	1.01	2.17		
CATTLE	ME	MCAL/KG *	0.83	1.79		
SHEEP	ME	MCAL/KG *	0.82	1.78		
CATTLE	NE-M	MCAL/KG *	0.49	1.06		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.26		
CATTLE	NE-LACTATION	MCAL/KG *	0.46	0.99		
CATTLE		TDN % *	23.0	49.5		
SHEEP		TDN % *	22.8	49.2		
SACCHARUM OFFICINARUM, PULP, S-C GRND SIFTED, (1)						
REF NO 1-13-567						
DRY MATTER		%	90.0	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	32.	32.		2
PROTEIN		%	1.4	1.6		2
CATTLE	DIG PROT	% *	-1.5	-1.7		
GOATS	DIG PROT	% *	-1.8	-1.9		
HORSES	DIG PROT	% *	-1.0	-1.1		
RABBITS	DIG PROT	% *	-0.1	-0.1		
SHEEP	DIG PROT	% *	-1.8	-2.0		
CELL WALLS (VAN SOEST)		%	75.8	84.2		2
FIBER, ACID DETERGENT (VS)		%	52.2	58.0		2
LIGNIN KMNO4 (VS)		%	10.2	11.3		2
SILICON		%	4.86	5.40		2
SACCHARUM OFFICINARUM, PULP, SIFTED, (1)						
REF NO 1-04-700						
DRY MATTER		%	85.2	100.0		1
CRUDE FIBER		%	32.3	37.9		1
ETHER EXTRACT		%	1.2	1.4		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM, PULP, TREATED W SODIUM HYDROXIDE S-C GRND SIFTED, (1)						
REF NO 1-13-579						
DRY MATTER		%	90.0	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.		2
PROTEIN		%	0.6	0.7		2
CATTLE	DIG PROT	% *	-2.2	-2.5		
GOATS	DIG PROT	% *	-2.5	-2.8		
HORSES	DIG PROT	% *	-1.7	-1.9		
RABBITS	DIG PROT	% *	-0.7	-0.8		
SHEEP	DIG PROT	% *	-2.5	-2.8		
CELL WALLS (VAN SOEST)		%	83.9	93.2		2
FIBER, ACID DETERGENT (VS)		%	68.0	75.6		2
LIGNIN KMNO4 (VS)		%	10.8	12.0		2
SILICON		%	0.54	0.60		2
SACCHARUM OFFICINARUM, STALKS, S-C, (1)						
REF NO 1-09-594						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.5		
ASH		%		5.5		1
CRUDE FIBER		%		27.1		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		64.4		1
PROTEIN		%		1.9		1
CATTLE	DIG PROT	% *		-1.4		
GOATS	DIG PROT	% *		-1.6		
HORSES	DIG PROT	% *		-0.8		
RABBITS	DIG PROT	% *		0.2		
SHEEP	DIG PROT	% *		-1.7		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.26		
SHEEP	ME	MCAL/KG *		1.85		
SHEEP		TDN % *		51.2		
SACCHARUM OFFICINARUM, STALKS W MOLASSES ADDED, DEHY GRND, (1)						
REF NO 1-09-586						
DRY MATTER		%	91.8	100.0		1
ORGANIC MATTER		%	84.6	92.2		
ASH		%	7.2	7.8		1
CRUDE FIBER		%	36.6	39.9		1
ETHER EXTRACT		%	2.5	2.7		1
NITROGEN FREE EXTRACT		%	39.7	43.2		1
PROTEIN		%	5.8	6.3		1
CATTLE	DIG PROT	% *	2.2	2.4		
GOATS	DIG PROT	% *	2.3	2.5		
HORSES	DIG PROT	% *	2.7	2.9		
RABBITS	DIG PROT	% *	3.3	3.5		
SHEEP	DIG PROT	% *	2.1	2.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.06	2.24		
HORSES	DE	MCAL/KG *	1.66	1.81		
SHEEP	DE	MCAL/KG *	2.01	2.19		
CATTLE	ME	MCAL/KG *	1.69	1.84		
HORSES	ME	MCAL/KG *	1.36	1.49		
SHEEP	ME	MCAL/KG *	1.65	1.79		
CATTLE	NE-M	MCAL/KG *	1.00	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.29	0.32		
CATTLE	NE-LACTATION	MCAL/KG *	0.95	1.04		
CATTLE		TDN % *	46.7	50.9		
HORSES		TDN % *	41.3	45.0		
SHEEP		TDN % *	45.6	49.6		
SACCHARUM OFFICINARUM, STALKS W 5% MOLASSES ADDED, S-C GRND PELLETED, (1)						
REF NO 1-09-458						
DRY MATTER		%	94.6	100.0		1
ORGANIC MATTER		%	87.0	92.0		
ASH		%	7.6	8.0		1
CRUDE FIBER		%	33.8	35.7		1
ETHER EXTRACT		%	2.8	3.0		1
NITROGEN FREE EXTRACT		%	43.8	46.3		1
PROTEIN		%	6.6	7.0		1
CATTLE	DIG PROT	% *	2.8	3.0		
GOATS	DIG PROT	% *	2.9	3.1		
HORSES	DIG PROT	% *	3.3	3.5		
RABBITS	DIG PROT	% *	3.8	4.1		
SHEEP	DIG PROT	% *	2.7	2.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.21	2.34		
HORSES	DE	MCAL/KG *	1.81	1.91		
SHEEP	DE	MCAL/KG *	2.13	2.25		
CATTLE	ME	MCAL/KG *	1.82	1.92		
HORSES	ME	MCAL/KG *	1.48	1.57		
SHEEP	ME	MCAL/KG *	1.75	1.85		
CATTLE	NE-M	MCAL/KG *	1.07	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.38	0.40		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	1.05	1.11		
CATTLE	TDN % *	50.2	53.1		
HORSES	TDN % *	45.1	47.7		
SHEEP	TDN % *	48.3	51.1		

SACCHARUM OFFICINARUM, TOP OF AERIAL PART, DEHY, (1)

REF NO 1-13-565

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.5	100.0		1
ORGANIC MATTER	%	80.9	94.6		
ASH	%	4.6	5.4		1
CRUDE FIBER	%	33.6	39.3		1
ETHER EXTRACT	%	1.7	2.0		1
NITROGEN FREE EXTRACT	%	43.6	51.0		1
PROTEIN	%	2.0	2.3		1
CATTLE DIG PROT	% *	-0.9	-1.0		
GOATS DIG PROT	% *	-1.1	-1.3		
HORSES DIG PROT	% *	-0.4	-0.5		
RABBITS DIG PROT	% *	0.4	0.5		
SHEEP DIG PROT	% *	-1.1	-1.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.00	2.34		
HORSES DE	MCAL/KG *	1.30	1.52		
SHEEP DE	MCAL/KG *	1.89	2.21		
CATTLE ME	MCAL/KG *	1.64	1.92		
HORSES ME	MCAL/KG *	1.07	1.25		
SHEEP ME	MCAL/KG *	1.55	1.81		
CATTLE NE-M	MCAL/KG *	0.97	1.13		
CATTLE NE-GAIN	MCAL/KG *	0.34	0.40		
CATTLE NE-LACTATION	MCAL/KG *	0.95	1.11		
CATTLE	TDN % *	45.3	53.0		
HORSES	TDN % *	31.6	37.0		
SHEEP	TDN % *	42.9	50.2		

SACCHARUM OFFICINARUM, AERIAL PART, FRESH, (2)

REF NO 2-04-689

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.3	100.0		2
ORGANIC MATTER	%	19.6	96.8		
ASH	%	0.6	3.2	83	4
CRUDE FIBER	%	6.2	30.0	30	4
ETHER EXTRACT	%	0.5	2.5	37	4
NITROGEN FREE EXTRACT	%	12.2	60.1	18	4
PROTEIN	%	0.7	3.5	41	4
CATTLE DIG PROT	% *	0.2	0.8		
GOATS DIG PROT	% *	-0.0	-0.2		
HORSES DIG PROT	% *	0.1	0.5		
RABBITS DIG PROT	% *	0.3	1.3		
SHEEP DIG PROT	% *	0.0	0.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.67		
SHEEP DE	MCAL/KG *	0.54	2.69		
CATTLE ME	MCAL/KG *	0.44	2.19		
SHEEP ME	MCAL/KG *	0.45	2.20		
CATTLE NE-M	MCAL/KG *	0.26	1.30		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.67		
CATTLE NE-LACTATION	MCAL/KG *	0.28	1.37		
CATTLE	TDN % *	12.2	60.5		
SHEEP	TDN % *	12.3	61.0		

SACCHARUM OFFICINARUM, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-258

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.9	100.0		3
ORGANIC MATTER	%	18.0	86.1		
ASH	%	2.9	13.9		3
CRUDE FIBER	%	7.1	34.0		3
ETHER EXTRACT	%	0.3	1.5		3
NITROGEN FREE EXTRACT	%	8.0	38.2		3
PROTEIN	%	2.6	12.4		3
CATTLE DIG PROT	% *	1.8	8.4		
GOATS DIG PROT	% *	1.7	8.1		
HORSES DIG PROT	% *	1.7	8.1		
RABBITS DIG PROT	% *	1.7	8.3		
SHEEP DIG PROT	% *	1.8	8.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.54	2.57		
SHEEP DE	MCAL/KG *	0.51	2.44		
CATTLE ME	MCAL/KG *	0.44	2.11		
SHEEP ME	MCAL/KG *	0.42	2.00		
CATTLE NE-M	MCAL/KG *	0.26	1.25		
CATTLE NE-GAIN	MCAL/KG *	0.13	0.60		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.30		
CATTLE	TDN % *	12.2	58.4		
SHEEP	TDN % *	11.6	55.4		
CALCIUM	%	0.07	0.32		3
PHOSPHORUS	%	0.06	0.28		3

SACCHARUM OFFICINARUM, AERIAL PART, FRESH CHOPPED, (2)

REF NO 2-09-700

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.5	100.0		2
ORGANIC MATTER	%	24.4	95.5		
ASH	%	1.1	4.5	84	8
CRUDE FIBER	%	6.2	24.2	14	8
ETHER EXTRACT	%	0.5	1.8	40	7
NITROGEN FREE EXTRACT	%	17.1	67.0	37	9
PROTEIN	%	0.6	2.5	11	8
CATTLE DIG PROT	% *	0.0	0.1		
GOATS DIG PROT	% *	-0.3	-1.1		
HORSES DIG PROT	% *	-0.1	-0.3		
RABBITS DIG PROT	% *	0.2	0.6		
SHEEP DIG PROT	% *	-0.2	-0.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.78	3.07		
CATTLE ME	MCAL/KG *	0.6[illegible]	2.51		
CATTLE NE-M	MCAL/KG *	0.39	1.53		
CATTLE NE-GAIN	MCAL/KG *	0.25	0.96		
CATTLE NE-LACTATION	MCAL/KG *	0.43	1.68		
CATTLE	TDN % *	17.7	69.6		
CALCIUM	%	0.09	0.35		1
PHOSPHORUS	%	0.08	0.31		1

SACCHARUM OFFICINARUM, LEAVES, FRESH, (2)

REF NO 2-04-691

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	30.5	100.0		1
ORGANIC MATTER	%	28.5	93.3		
ASH	%	2.0	6.7		3
CRUDE FIBER	%	10.7	35.1		3
ETHER EXTRACT	%	0.4	1.3		3
NITROGEN FREE EXTRACT	%	15.4	50.6		3
PROTEIN	%	1.9	6.2		3
CATTLE DIG PROT	% *	1.0	3.2		
GOATS DIG PROT	% *	0.7	2.4		
HORSES DIG PROT	% *	0.9	2.8		
RABBITS DIG PROT	% *	1.1	3.5		
SHEEP DIG PROT	% *	0.9	2.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.70	2.31		
SHEEP DE	MCAL/KG *	0.76	2.49		
CATTLE ME	MCAL/KG *	0.58	1.89		
SHEEP ME	MCAL/KG *	0.62	2.05		
CATTLE NE-M	MCAL/KG *	0.34	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.11	0.37		
CATTLE NE-LACTATION	MCAL/KG *	0.33	1.09		
CATTLE	TDN % *	16.0	52.4		
SHEEP	TDN % *	17.3	56.6		
CALCIUM	%	0.10	0.34		1
PHOSPHORUS	%	0.18	0.60		1

SACCHARUM OFFICINARUM, LEAVES W TOP OF AERIAL PART, FRESH, (2)
STRIP CANE

REF NO 2-04-692

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.9	100.0		2
ORGANIC MATTER	%	24.7	95.4	20	1
ASH	%	1.5	5.9	20	7
CRUDE FIBER	%	7.9	30.4	9	7
ETHER EXTRACT	%	0.9	3.4	88	7
NITROGEN FREE EXTRACT	%	14.7	56.8	8	7
PROTEIN	%	0.9	3.5	19	7
CATTLE DIG PROT	% *	0.2	0.8		
GOATS DIG PROT	% *	-0.1	-0.2		
HORSES DIG PROT	% *	0.1	0.5		
RABBITS DIG PROT	% *	0.3	1.3		
SHEEP DIG PROT	% *	0.1	0.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.75	2.91		
SHEEP DE	MCAL/KG *	0.67	2.60		
CATTLE ME	MCAL/KG *	0.62	2.38		
SHEEP ME	MCAL/KG *	0.55	2.13		
CATTLE NE-M	MCAL/KG *	0.37	1.43		
CATTLE NE-GAIN	MCAL/KG *	0.22	0.85		
CATTLE NE-LACTATION	MCAL/KG *	0.40	1.55		
CATTLE	TDN % *	17.1	65.9		
SHEEP	TDN % *	15.3	59.0		
CALCIUM	%	0.12	0.47		3
IRON	%	0.002	0.008		1
MAGNESIUM	%	0.24	0.93		1
PHOSPHORUS	%	0.13	0.51		3
NIACIN	MG/KG	1.8	6.8		2
RIBOFLAVIN	MG/KG	0.1	0.4		1
THIAMINE	MG/KG	0.1	0.4		1
VITAMIN A EQUIV	IU/G	1.6	6.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM, PULP, WET, (2)						
REF NO 2-09-909						
DRY MATTER		%	30.9	100.0		2
ORGANIC MATTER		%	30.0	97.4		
ASH		%	0.8	2.6		2
CRUDE FIBER		%	17.7	57.4		3
ETHER EXTRACT		%	0.3	1.0		3
NITROGEN FREE EXTRACT		%	11.2	36.3		2
PROTEIN		%	0.8	2.6		3
CATTLE	DIG PROT	% *	0.0	0.1		
GOATS	DIG PROT	% *	-0.3	-1.0		
HORSES	DIG PROT	% *	-0.1	-0.2		
RABBITS	DIG PROT	% *	0.2	0.7		
SHEEP	DIG PROT	% *	-0.2	-0.6		
SACCHARUM OFFICINARUM, STALKS, FRESH, (2)						
REF NO 2-13-248						
DRY MATTER		%	15.2	100.0		1
ORGANIC MATTER		%	14.3	94.0		
ASH		%	0.9	6.0		1
CRUDE FIBER		%	4.2	27.5		1
ETHER EXTRACT		%	0.1	0.7		1
NITROGEN FREE EXTRACT		%	8.8	58.2		1
PROTEIN		%	1.2	7.6		1
CATTLE	DIG PROT	% *	0.7	4.4		
GOATS	DIG PROT	% *	0.6	3.7		
HORSES	DIG PROT	% *	0.6	4.0		
RABBITS	DIG PROT	% *	0.7	4.5		
SHEEP	DIG PROT	% *	0.6	4.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.41	2.68		
SHEEP	DE	MCAL/KG *	0.42	2.74		
CATTLE	ME	MCAL/KG *	0.33	2.19		
SHEEP	ME	MCAL/KG *	0.34	2.24		
CATTLE	NE-M	MCAL/KG *	0.20	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.68		
CATTLE	NE-LACTATION	MCAL/KG *	0.21	1.37		
CATTLE	TDN	% *	9.2	60.7		
SHEEP	TDN	% *	9.4	62.0		
SACCHARUM OFFICINARUM, STALKS, FRESH FERTILIZED, (2)						
REF NO 2-13-253						
DRY MATTER		%		100.0		
CALCIUM		%		0.27		2
COBALT		MG/KG		0.540		2
PHOSPHORUS		%		0.09		2
POTASSIUM		%		0.75		2
ZINC		MG/KG		26.0		2
SACCHARUM OFFICINARUM, TOP OF AERIAL PART, FRESH, (2)						
REF NO 2-13-568						
DRY MATTER		%	32.6	100.0		1
ORGANIC MATTER		%	29.7	91.3		
ASH		%	2.9	8.7	9	5
CRUDE FIBER		%	10.5	32.1	14	5
ETHER EXTRACT		%	0.5	1.4	53	5
NITROGEN FREE EXTRACT		%	17.0	52.2	9	5
PROTEIN		%	1.8	5.5	12	5
CATTLE	DIG PROT	% *	0.8	2.6		
GOATS	DIG PROT	% *	0.6	1.7		
HORSES	DIG PROT	% *	0.7	2.2		
RABBITS	DIG PROT	% *	1.0	2.9		
SHEEP	DIG PROT	% *	0.7	2.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.78	2.40		
SHEEP	DE	MCAL/KG *	0.82	2.52		
CATTLE	ME	MCAL/KG *	0.64	1.97		
SHEEP	ME	MCAL/KG *	0.67	2.06		
CATTLE	NE-M	MCAL/KG *	0.38	1.16		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.45		
CATTLE	NE-LACTATION	MCAL/KG *	0.38	1.16		
CATTLE	TDN	% *	17.7	54.4		
SHEEP	TDN	% *	18.6	57.0		
CALCIUM		%	0.10	0.31		1
PHOSPHORUS		%	0.09	0.28		1
SACCHARUM OFFICINARUM, TOP OF AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-13-249						
DRY MATTER		%	40.0	100.0		1
ORGANIC MATTER		%	37.0	92.5		1
ASH		%	3.0	7.5		1
SHEEP	DIG COEF	%	34.	34.		
ETHER EXTRACT		%	0.7	1.8		1
SHEEP	DIG COEF	%	67.	67.		1
PROTEIN		%	1.4	3.5		1
SHEEP	DIG COEF	%	43.	43.		1
CATTLE	DIG PROT	% *	0.3	0.9		
GOATS	DIG PROT	% *	-0.1	-0.2		
HORSES	DIG PROT	% *	0.2	0.5		
RABBITS	DIG PROT	% *	0.5	1.4		
SHEEP	DIG PROT	%	0.6	1.5		
CARBOHYDRATES, OTHER		%	34.6	87.0		1
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.76	6.89		
SHEEP	ME	MCAL/KG *	2.26	5.65		
SHEEP	TDN	%	62.5	156.3		1
SACCHARUM OFFICINARUM, TOP OF AERIAL PART, FRESH, POST RIPE, (2)						
REF NO 2-17-517						
DRY MATTER		%	15.1	100.0		1
ORGANIC MATTER		%	13.9	92.0		
ASH		%	1.2	8.0		1
CRUDE FIBER		%	5.4	35.8		1
ETHER EXTRACT		%	0.1	0.9		1
NITROGEN FREE EXTRACT		%	7.7	50.7		1
PROTEIN		%	0.7	4.6		1
CATTLE	DIG PROT	% *	0.1	0.4		
GOATS	DIG PROT	% *	0.1	0.4		
HORSES	DIG PROT	% *	0.1	0.4		
SHEEP	DIG PROT	% *	0.1	0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.36	2.35		
CATTLE	ME	MCAL/KG *	0.29	1.93		
CATTLE	NE-M	MCAL/KG *	0.17	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.41		
CATTLE	NE-LACTATION	MCAL/KG *	0.17	1.12		
CATTLE	TDN	% *	8.1	53.4		
SACCHARUM OFFICINARUM, TOP OF AERIAL PART, FRESH CHOPPED, (2)						
REF NO 2-13-563						
DRY MATTER		%	30.0	100.0		1
ORGANIC MATTER		%	28.3	94.2		
ASH		%	1.7	5.8		1
CRUDE FIBER		%	8.6	28.5		1
ETHER EXTRACT		%	1.2	4.0		1
NITROGEN FREE EXTRACT		%	16.8	56.0		1
PROTEIN		%	1.7	5.7		1
CATTLE	DIG PROT	% *	0.8	2.7		
GOATS	DIG PROT	% *	0.6	1.9		
HORSES	DIG PROT	% *	0.7	2.4		
RABBITS	DIG PROT	% *	0.9	3.1		
SHEEP	DIG PROT	% *	0.7	2.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.03	3.45		
SHEEP	DE	MCAL/KG *	0.80	2.67		
CATTLE	ME	MCAL/KG *	0.85	2.83		
SHEEP	ME	MCAL/KG *	0.66	2.19		
CATTLE	NE-M	MCAL/KG *	0.54	1.80		
CATTLE	NE-GAIN	MCAL/KG *	0.36	1.19		
CATTLE	NE-LACTATION	MCAL/KG *	0.59	1.98		
CATTLE	TDN	% *	23.5	78.2		
SHEEP	TDN	% *	18.2	60.5		
CALCIUM		%	0.37	1.23		1
PHOSPHORUS		%	0.04	0.13		1
SACCHARUM OFFICINARUM, TOP OF AERIAL PART, FRESH FERTILIZED, MATURE, (2)						
REF NO 2-13-252						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.0		
ASH		%		9.0		1
CRUDE FIBER		%		31.7		1
ETHER EXTRACT		%		2.4		1
NITROGEN FREE EXTRACT		%		50.5		1
PROTEIN		%		6.4		1
CATTLE	DIG PROT	% *		3.3		
GOATS	DIG PROT	% *		2.5		
HORSES	DIG PROT	% *		3.0		
RABBITS	DIG PROT	% *		3.6		
SHEEP	DIG PROT	% *		3.0		
ENERGY	GE	KCAL/KG				

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE DE MCAL/KG *			2.43		
SHEEP DE MCAL/KG *			2.56		
CATTLE ME MCAL/KG *			1.99		
SHEEP ME MCAL/KG *			2.10		
CATTLE NE-M MCAL/KG *			1.17		
CATTLE NE-GAIN MCAL/KG *			0.48		
CATTLE NE-LACTATION MCAL/KG *			1.18		
CATTLE TDN % *			55.0		
SHEEP TDN % *			58.1		

SACCHARUM OFFICINARUM, AERIAL PART, ENSILED, (3)

REF NO 3-04-093

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.3	100.0		3
ORGANIC MATTER	%	27.3	96.3		
ASH	%	1.0	3.7	24	4
CRUDE FIBER	%	7.4	26.2	19	4
ETHER EXTRACT	%	0.4	1.4	30	4
NITROGEN FREE EXTRACT	%	18.3	64.7	8	4
PROTEIN	%	1.1	4.0	36	4
CATTLE DIG PROT % *		-0.0	-0.1		
GOATS DIG PROT % *		-0.0	-0.1		
HORSES DIG PROT % *		-0.0	-0.1		
SHEEP DIG PROT % *		-0.0	-0.1		

SACCHARUM OFFICINARUM, AERIAL PART, ENSILED, PUST RIPE, (3)

REF NO 3-17-516

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.7	100.0	39	6
ORGANIC MATTER	%	27.5	86.9		
ASH	%	4.2	13.1	44	8
CRUDE FIBER	%	8.6	27.3	29	8
ETHER EXTRACT	%	0.5	1.5	96	8
NITROGEN FREE EXTRACT	%	15.9	50.0	26	8
PROTEIN	%	2.6	8.1	54	8
CATTLE DIG PROT % *		1.1	3.6		
GOATS DIG PROT % *		1.1	3.6		
HORSES DIG PROT % *		1.1	3.6		
SHEEP DIG PROT % *		1.1	3.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.78	2.46		
SHEEP DE MCAL/KG *		0.76	2.39		
CATTLE ME MCAL/KG *		0.64	2.02		
SHEEP ME MCAL/KG *		0.62	1.96		
CATTLE NE-M MCAL/KG *		0.38	1.19		
CATTLE NE-GAIN MCAL/KG *		0.16	0.51		
CATTLE NE-LACTATION MCAL/KG *		0.38	1.21		
CATTLE TDN % *		17.7	55.8		
SHEEP TDN % *		17.2	54.3		
CALCIUM	%	0.14	0.44	98	4
PHOSPHORUS	%	0.06	0.19		3

SACCHARUM OFFICINARUM, TOP OF AERIAL PART, ENSILED, (3)

REF NO 3-08-528

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	55.5	100.0		2
ORGANIC MATTER	%	49.3	88.8		
ASH	%	6.2	11.2		3
CRUDE FIBER	%	17.6	31.8		3
ETHER EXTRACT	%	1.4	2.5		3
NITROGEN FREE EXTRACT	%	27.0	48.7		3
PROTEIN	%	3.2	5.7		3
CATTLE DIG PROT % *		0.8	1.4		
GOATS DIG PROT % *		0.8	1.4		
HORSES DIG PROT % *		0.8	1.4		
SHEEP DIG PROT % *		0.8	1.4		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.36	2.45		
CATTLE ME MCAL/KG *		1.11	2.01		
CATTLE NE-M MCAL/KG *		0.66	1.18		
CATTLE NE-GAIN MCAL/KG *		0.28	0.50		
CATTLE NE-LACTATION MCAL/KG *		0.66	1.20		
CATTLE TDN % *		30.8	55.6		
CALCIUM	%	0.28	0.50		1
PHOSPHORUS	%	0.05	0.09		1

SACCHARUM OFFICINARUM, TOP OF AERIAL PART, ENSILED, FULL BLOOM, (3)

REF NO 3-13-250

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	36.8	100.0		1
ORGANIC MATTER	%	32.8	89.1		1
ASH	%	4.0	10.9		1
SHEEP DIG COEF	%	40.	40.		
ETHER EXTRACT	%	0.8	2.2		1
SHEEP DIG COEF	%	72.	72.		1
PROTEIN	%	1.4	3.8		1
SHEEP DIG COEF	%	36.	36.		1
CATTLE DIG PROT % *		-0.1	-0.3		
GOATS DIG PROT % *		-0.1	-0.3		
HORSES DIG PROT % *		-0.1	-0.3		
SHEEP DIG PROT %		0.5	1.4		
CARBOHYDRATES, OTHER	%	30.4	82.6		1
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		2.41	6.54		
SHEEP ME MCAL/KG *		1.97	5.36		
SHEEP TDN %		54.6	148.4		1

SACCHARUM OFFICINARUM, TOP OF AERIAL PART W 0.3% MOLASSES DEHY W 0.3% UREA W 0.3% FISH STICKWATER SOLUBLES, ENSILED, FULL BLOOM, (3)

REF NO 3-13-566

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	39.3	100.0		1
ORGANIC MATTER	%	35.8	91.1		1
ASH	%	3.4	8.7		1
SHEEP DIG COEF	%	39.	39.		
ETHER EXTRACT	%	0.8	2.0		1
SHEEP DIG COEF	%	75.	75.		1
PROTEIN	%	3.2	8.1		1
SHEEP DIG COEF	%	70.	70.		1
CATTLE DIG PROT % *		1.4	3.6		
GOATS DIG PROT % *		1.4	3.6		
HORSES DIG PROT % *		1.4	3.6		
SHEEP DIG PROT %		2.2	5.7		
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		2.56	6.52		
SHEEP ME MCAL/KG *		2.10	5.34		
SHEEP TDN %		58.1	147.8		1

SACCHARUM OFFICINARUM, MOLASSES, (4)

REF NO 4-13-251

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	72.6	100.0	14	25
ORGANIC MATTER	%	64.5	88.7	25	2
ASH	%	8.5	11.7	25	40
CRUDE FIBER	%	0.3	0.4		1
ETHER EXTRACT	%	0.3	0.3	99	28
NITROGEN FREE EXTRACT	%	61.1	84.2	14	35
PROTEIN	%	2.4	3.4	67	51
CATTLE DIG PROT % *		-0.6	-0.9		
GOATS DIG PROT % *		0.2	0.3		
HORSES DIG PROT % *		0.2	0.3		
SHEEP DIG PROT % *		0.2	0.3		
ENERGY GE KCAL/KG		2408.	3315.		1
SWINE DE KCAL/KG *		2650.	3648.		
SWINE ME KCAL/KG *		2526.	3477.		
SWINE TDN % *		60.1	82.7		
ALUMINUM	MG/KG	236.07	325.00		1
CALCIUM	%	0.65	0.89	50	13
COPPER	MG/KG	8.2	11.3		2
IRON	%	0.023	0.032		2
MAGNESIUM	%	0.41	0.56		2
MANGANESE	MG/KG	51.8	71.3		2
PHOSPHORUS	%	0.17	0.23	98	15
POTASSIUM	%	4.60	6.34		2
SODIUM	%	0.21	0.29		1
ZINC	MG/KG	112.1	154.3		1

SACCHARUM OFFICINARUM, MOLASSES, DEHY, (4)
CANE MOLASSES, DRIED
MOLASSES, CANE, DRIED

REF NO 4-04-695

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	94.7	100.0		3
ORGANIC MATTER	%	(72.4)	(76.5)		
ASH	%	(22.3)	(23.5)		3
CRUDE FIBER	%	(3.4)	(3.6)		2
ETHER EXTRACT	%	(2.6)	(2.7)		3
NITROGEN FREE EXTRACT	%	(49.5)	(52.2)		3
PROTEIN	%	(17.1)	(18.0)		3
CATTLE DIG PROT % *		(11.9)	(12.6)		
GOATS DIG PROT % *		(13.0)	(13.7)		
HORSES DIG PROT % *		(13.0)	(13.7)		
SHEEP DIG PROT % *		(13.0)	(13.7)		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		(0.87)	(0.92)		
SHEEP DE MCAL/KG *		(2.81)	(2.97)		
SWINE DE KCAL/KG *		(2732.)	(2885.)		
CATTLE ME MCAL/KG *		(0.72)	(0.76)		
SHEEP ME MCAL/KG *		(2.31)	(2.44)		
SWINE ME KCAL/KG *		(2523.)	(2665.)		
CATTLE NE-M MCAL/KG *		(0.59)	(0.63)		
CATTLE NE-GAIN MCAL/KG *		(-1.26)	(-1.33)		
CATTLE NE-LACTATION MCAL/KG *		(0.00)	(0.00)		
CATTLE TDN % *		(19.8)	(20.9)		
SHEEP TDN % *		(63.8)	(67.4)		
SWINE TDN % *		62.0	65.4		
CALCIUM	%	7.18	7.59		2
PHOSPHORUS	%	0.90	0.95		2

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM, MOLASSES DISTILLATION SOLUBLES, DEHY, (4)					
MOLASSES DISTILLERS DRIED SOLUBLES (AAFCO)					
MOLASSES DRIED FERMENTATION SOLUBLES					
REF NO 4-04-698					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.6		
ASH	%		13.4		1
CRUDE FIBER	%		15.7		1
ETHER EXTRACT	%		6.9		1
NITROGEN FREE EXTRACT	%		48.5		1
PROTEIN	%		15.4		1
CATTLE DIG PROT	% *		10.2		
GOATS DIG PROT	% *		11.3		
HORSES DIG PROT	% *		11.3		
SHEEP DIG PROT	% *		11.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.10		
SHEEP DE	MCAL/KG *		2.67		
SWINE DE	KCAL/KG *		2485.		
CATTLE ME	MCAL/KG *		1.72		
SHEEP ME	MCAL/KG *		2.19		
SWINE ME	KCAL/KG *		2308.		
CATTLE NE-M	MCAL/KG *		1.02		
CATTLE NE-GAIN	MCAL/KG *		0.18		
CATTLE NE-LACTATION	MCAL/KG *		0.92		
CATTLE TDN	% *		47.6		
SHEEP TDN	% *		60.4		
SWINE TDN	% *		(56.4)		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM, MOLASSES, MN 48% INVERT SUGAR MN 79.5 DEGREES BRIX, (4)					
CANE MOLASSES (AAFCO)					
MOLASSES, CANE					
REF NO 4-04-696					
DRY MATTER	%	(77.2)	(100.0)	7	17
ORGANIC MATTER	%	69.2	89.7		
ASH	%	8.0	10.3	21	10
SHEEP DIG COEF	%	22.	22.		
CRUDE FIBER	%	7.7	9.9		1
ETHER EXTRACT	%	0.2	0.3		3
NITROGEN FREE EXTRACT	%	57.2	74.0	7	9
CATTLE DIG COEF	%	105.	105.		1
SHEEP DIG COEF	%	83.	83.		1
PROTEIN	%	4.2	5.4	46	12
CATTLE DIG COEF	%	57.	57.		1
CATTLE DIG PROT	%	2.4	3.1		
GOATS DIG PROT	% *	1.7	2.2		
HORSES DIG PROT	% *	1.7	2.2		
SHEEP DIG PROT	% *	1.7	2.2		
ENERGY GE	KCAL/KG	2105.	2727.		3
CATTLE DE	MCAL/KG *	3.27	4.23		
SHEEP DE	MCAL/KG *	2.42	3.13		
SWINE DE	KCAL/KG *	2593.	3359.		
CATTLE ME	MCAL/KG *	2.68	3.47		
CHICKENS ME-N	KCAL/KG	2042.	2645.		3
SHEEP ME	MCAL/KG *	1.98	2.57		
SWINE ME	KCAL/KG	2461.	3188.		1
CATTLE NE-M	MCAL/KG *	1.93	2.49		
CATTLE NE-GAIN	MCAL/KG *	1.21	1.57		
CATTLE NE-LACTATION	MCAL/KG *	(2.00)	(2.59)		
CHICKENS PRODUCTIVE	KCAL/KG	1639.	2122.		1
CATTLE TDN	%	74.1	96.0		1
SHEEP TDN	%	54.9	71.1		1
SWINE TDN	%	(58.8)	(76.2)		1
CALCIUM	%	(0.84)	(1.09)	14	8
CHLORINE	%	(2.79)	(3.62)		3
COBALT	MG/KG	(0.939)	(1.216)		1
COPPER	MG/KG	(62.3)	(80.6)		2
IODINE	MG/KG	(1.346)	(1.743)		1
IRON	%	(0.019)	(0.024)	10	4
MAGNESIUM	%	(0.36)	(0.46)		3
MANGANESE	MG/KG	(43.0)	(55.8)	3	4
PHOSPHORUS	%	(0.09)	(0.11)	10	8
CHICKENS, CHICKS AVAILABLE	%	(0.10)	(0.13)		1
POTASSIUM	%	(2.60)	(3.37)	9	4
SODIUM	%	(0.15)	(0.20)	24	4
SULPHUR	%	(0.34)	(0.44)		2
A-TOCOPHEROL	MG/KG	(5.1)	(6.7)		1
BIOTIN	MG/KG	(0.73)	(0.94)		2
CHOLINE	MG/KG	(843.)	(1092.)	12	4
FOLIC ACID	MG/KG	(0.11)	(0.15)		1
NIACIN	MG/KG	(34.8)	(45.0)	24	6
PANTOTHENIC ACID	MG/KG	(39.5)	(51.1)	4	5
RIBOFLAVIN	MG/KG	(3.0)	(3.8)	21	6
THIAMINE	MG/KG	(1.0)	(1.2)	11	4
VITAMIN B6	MG/KG	6.69	8.67		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM, PITH, CHOPPED, (4)					
REF NO 4-13-564					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		97.1		
ASH	%		2.9		3
CRUDE FIBER	%		15.2		3
ETHER EXTRACT	%		1.0		3
NITROGEN FREE EXTRACT	%		79.2		3
PROTEIN	%		1.7		3
CATTLE DIG PROT	% *		-2.4		
GOATS DIG PROT	% *		-1.2		
HORSES DIG PROT	% *		-1.2		
SHEEP DIG PROT	% *		-1.2		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *		3.56		
SHEEP ME	MCAL/KG *		2.92		
SHEEP TDN	% *		80.8		
SACCHARUM OFFICINARUM, SUGAR, RAW, (4)					
REF NO 4-13-569					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		99.6		
ASH	%		0.4		1
ETHER EXTRACT	%		0.2		1
NITROGEN FREE EXTRACT	%		98.9		1
PROTEIN	%		0.5		1
CATTLE DIG PROT	% *		-3.5		
GOATS DIG PROT	% *		-2.3		
HORSES DIG PROT	% *		-2.3		
SHEEP DIG PROT	% *		-2.3		
SACCHARUM OFFICINARUM, SUGAR, BROWN, (4)					
REF NO 4-13-578					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		99.4		
ASH	%		0.6		1
NITROGEN FREE EXTRACT	%		99.4		1
SACCHARUM OFFICINARUM, MOLASSES FERMENTATION SOLUBLES, DEHY, (5)					
DRIED MOLASSES FERMENTATION SOLUBLES (CFA)					
MOLASSES FERMENTATION SOLUBLES, DRIED					
REF NO 5-04-699					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.6		
ASH	%		12.4		1
CRUDE FIBER	%		0.6		1
ETHER EXTRACT	%		0.2		1
NITROGEN FREE EXTRACT	%		53.7		1
PROTEIN	%		33.0		1
SACCHARUM OFFICINARUM, SUGARCANE, H 37-1933					
SACCHARUM OFFICINARUM H 37-1933, AERIAL PART, S-C, (1)					
REF NO 1-09-464					
DRY MATTER	%	96.2	100.0		1
ORGANIC MATTER	%	87.2	90.6		
ASH	%	9.0	9.4		1
CRUDE FIBER	%	37.3	38.8		1
ETHER EXTRACT	%	1.7	1.8		1
NITROGEN FREE EXTRACT	%	43.1	44.8		1
PROTEIN	%	5.1	5.3		1
CATTLE DIG PROT	% *	1.5	1.5		
GOATS DIG PROT	% *	1.4	1.5		
HORSES DIG PROT	% *	2.0	2.0		
RABBITS DIG PROT	% *	2.7	2.8		
SHEEP DIG PROT	% *	1.3	1.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.08	2.17		
HORSES DE	MCAL/KG *	1.54	1.60		
SHEEP DE	MCAL/KG *	2.07	2.15		
CATTLE ME	MCAL/KG *	1.71	1.78		
HORSES ME	MCAL/KG *	1.26	1.31		
SHEEP ME	MCAL/KG *	1.69	1.76		
CATTLE NE-M	MCAL/KG *	1.01	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.23	0.24		
CATTLE NE-LACTATION	MCAL/KG *	0.94	0.98		
CATTLE TDN	% *	47.3	49.1		
HORSES TDN	% *	37.6	39.1		
SHEEP TDN	% *	46.9	48.7		
SACCHARUM OFFICINARUM, SUGARCANE, POJ 2878					

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM OFFICINARUM PUJ 2878, AERIAL PART, S-C, (1) CANE						
REF NO 1-09-463						
DRY MATTER		%	96.7	100.0		1
CRUDE FIBER		%	35.0	36.2		1
ETHER EXTRACT		%	1.8	1.9		1
NITROGEN FREE EXTRACT		%	40.0	41.4		1
PROTEIN		%	7.3	7.5		1
CATTLE	DIG PROT	% *	3.4	3.5		
GOATS	DIG PROT	% *	3.5	3.6		
HORSES	DIG PROT	% *	3.8	3.9		
RABBITS	DIG PROT	% *	4.3	4.5		
SHEEP	DIG PROT	% *	3.2	3.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.01	2.08		
HORSES	DE	MCAL/KG *	1.70	1.76		
SHEEP	DE	MCAL/KG *	2.04	2.11		
CATTLE	ME	MCAL/KG *	1.65	1.71		
HORSES	ME	MCAL/KG *	1.39	1.44		
SHEEP	ME	MCAL/KG *	1.67	1.73		
CATTLE	NE-M	MCAL/KG *	0.98	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.16		
CATTLE	NE-LACTATION	MCAL/KG *	0.88	0.91		
CATTLE	TDN	% *	45.7	47.2		
HORSES	TDN	% *	42.0	43.4		
SHEEP	TDN	% *	46.2	47.8		

SACCHARUM SINENSIS, SWEETCANE, JAPANESE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM SINENSIS JAPANESE, AERIAL PART, FRESH, (2)						
REF NO 2-13-001						
DRY MATTER		%	23.9	100.0	20	8
ORGANIC MATTER		%	21.6	90.5	38	8
ASH		%	2.3	9.5	38	8
CRUDE FIBER		%	8.9	37.2	8	8
ETHER EXTRACT		%	0.7	2.7	21	8
NITROGEN FREE EXTRACT		%	10.5	44.1	12	8
PROTEIN		%	1.5	6.5	27	8
CATTLE	DIG PROT	% *	0.8	3.4		
GOATS	DIG PROT	% *	0.6	2.6		
HORSES	DIG PROT	% *	0.7	3.0		
RABBITS	DIG PROT	% *	0.9	3.7		
SHEEP	DIG PROT	% *	0.7	3.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.50	2.09		
SHEEP	DE	MCAL/KG *	0.59	2.46		
CATTLE	ME	MCAL/KG *	0.41	1.72		
SHEEP	ME	MCAL/KG *	0.48	2.02		
CATTLE	NE-M	MCAL/KG *	0.24	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.04	0.17		
CATTLE	NE-LACTATION	MCAL/KG *	0.22	0.92		
CATTLE	TDN	% *	11.3	47.5		
SHEEP	TDN	% *	13.3	55.8		
CALCIUM		%	0.04	0.16	98	6
IRON		%	0.001	0.005	60	5
PHOSPHORUS		%	0.07	0.27	98	6
VITAMIN A EQUIV		IU/G	2.9	12.2		
SACCHARUM SINENSIS JAPANESE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-11-085						
DRY MATTER		%	18.9	100.0	9	14
ORGANIC MATTER		%	16.8	88.7	4	13
ASH		%	2.1	11.3	4	13
CRUDE FIBER		%	6.5	34.6	9	14
ETHER EXTRACT		%	0.6	3.0	25	14
NITROGEN FREE EXTRACT		%	7.6	40.2	9	13
PROTEIN		%	2.1	10.9	13	14
CATTLE	DIG PROT	% *	1.4	7.1		
GOATS	DIG PROT	% *	1.3	6.7		
HORSES	DIG PROT	% *	1.3	6.8		
RABBITS	DIG PROT	% *	1.3	7.1		
SHEEP	DIG PROT	% *	1.4	7.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.43	2.29		
SHEEP	DE	MCAL/KG *	0.48	2.55		
CATTLE	ME	MCAL/KG *	0.36	1.88		
SHEEP	ME	MCAL/KG *	0.40	2.09		
CATTLE	NE-M	MCAL/KG *	0.21	1.11		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.36		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.07		
CATTLE	TDN	% *	9.8	51.9		
SHEEP	TDN	% *	10.9	57.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM SINENSIS JAPANESE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)						
REF NO 2-11-102						
DRY MATTER		%	19.9	100.0	9	8
ORGANIC MATTER		%	17.4	87.8	11	8
ASH		%	2.4	12.2	11	8
CRUDE FIBER		%	6.9	34.6	13	8
ETHER EXTRACT		%	0.7	3.8	58	8
NITROGEN FREE EXTRACT		%	7.9	39.9	9	8
PROTEIN		%	1.9	9.5	13	8
CATTLE	DIG PROT	% *	1.2	6.0		
GOATS	DIG PROT	% *	1.1	5.4		
HORSES	DIG PROT	% *	1.1	5.6		
RABBITS	DIG PROT	% *	1.2	6.0		
SHEEP	DIG PROT	% *	1.2	5.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.44	2.22		
SHEEP	DE	MCAL/KG *	0.50	2.52		
CATTLE	ME	MCAL/KG *	0.36	1.82		
SHEEP	ME	MCAL/KG *	0.41	2.07		
CATTLE	NE-M	MCAL/KG *	0.21	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.02		
CATTLE	TDN	% *	10.0	50.3		
SHEEP	TDN	% *	11.4	57.2		
SACCHARUM SINENSIS JAPANESE, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)						
REF NO 2-11-108						
DRY MATTER		%	17.8	100.0	10	6
ORGANIC MATTER		%	15.9	89.0	5	4
ASH		%	2.0	11.0	5	4
CRUDE FIBER		%	6.2	34.9	2	6
ETHER EXTRACT		%	0.6	3.1	15	6
NITROGEN FREE EXTRACT		%	7.2	40.6	2	4
PROTEIN		%	1.9	10.8	11	6
CATTLE	DIG PROT	% *	1.3	7.1		
GOATS	DIG PROT	% *	1.2	6.7		
HORSES	DIG PROT	% *	1.2	6.7		
RABBITS	DIG PROT	% *	1.3	7.0		
SHEEP	DIG PROT	% *	1.3	7.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.41	2.30		
SHEEP	DE	MCAL/KG *	0.46	2.56		
CATTLE	ME	MCAL/KG *	0.34	1.89		
SHEEP	ME	MCAL/KG *	0.37	2.10		
CATTLE	NE-M	MCAL/KG *	0.20	1.11		
CATTLE	NE-GAIN	MCAL/KG *	0.07	0.37		
CATTLE	NE-LACTATION	MCAL/KG *	0.19	1.08		
CATTLE	TDN	% *	9.3	52.2		
SHEEP	TDN	% *	10.4	58.1		
SACCHARUM SINENSIS JAPANESE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)						
REF NO 2-17-603						
DRY MATTER		%	24.1	100.0	20	5
ORGANIC MATTER		%	21.5	89.2		
ASH		%	2.6	10.8	36	5
CRUDE FIBER		%	7.0	28.9	5	5
PROTEIN		%	1.7	7.2	22	5
CATTLE	DIG PROT	% *	1.0	4.0		
GOATS	DIG PROT	% *	0.8	3.3		
HORSES	DIG PROT	% *	0.9	3.7		
RABBITS	DIG PROT	% *	1.0	4.2		
SHEEP	DIG PROT	% *	0.9	3.7		

SACCHARUM SPP, SWEETCANE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SACCHARUM SPP, PULP, DEHY, (1)						
REF NO 1-13-559						
DRY MATTER		%	98.8	100.0		1
ORGANIC MATTER		%	92.7	93.8		
ASH		%	6.1	6.2		2
CRUDE FIBER		%	31.4	31.8		2
ETHER EXTRACT		%	1.1	1.2		2
NITROGEN FREE EXTRACT		%	50.4	51.0		2
PROTEIN		%	9.8	9.9		2
CATTLE	DIG PROT	% *	5.4	5.5		
GOATS	DIG PROT	% *	5.7	5.8		
HORSES	DIG PROT	% *	5.9	5.9		
RABBITS	DIG PROT	% *	6.2	6.3		
SHEEP	DIG PROT	% *	5.4	5.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.35	2.37		
HORSES	DE	MCAL/KG *	1.64	1.65		
SHEEP	DE	MCAL/KG *	2.36	2.39		
CATTLE	ME	MCAL/KG *	1.92	1.95		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
HORSES	ME MCAL/KG *	1.34	1.36	
SHEEP	ME MCAL/KG *	1.93	1.96	
CATTLE	NE-M MCAL/KG *	1.13	1.15	
CATTLE	NE-GAIN MCAL/KG *	0.43	0.43	
CATTLE	NE-LACTATION MCAL/KG *	1.13	1.14	
CATTLE	TDN % *	53.2	53.9	
HORSES	TDN % *	40.1	40.6	
SHEEP	TDN % *	53.5	54.2	

SACCHARUM SPP, TOP OF AERIAL PART, DEHY, (1)

REF NO 1-13-562

DRY MATTER	%	90.1	100.0	1
ORGANIC MATTER	%	82.5	91.6	
ASH	%	7.6	8.4	1
CRUDE FIBER	%	38.3	42.5	1
ETHER EXTRACT	%	8.9	9.9	1
NITROGEN FREE EXTRACT	%	30.6	34.0	
PROTEIN	%	4.7	5.2	1
CATTLE	DIG PROT % *	1.3	1.5	
GOATS	DIG PROT % *	1.3	1.4	
HORSES	DIG PROT % *	1.8	2.0	
RABBITS	DIG PROT % *	2.4	2.7	
SHEEP	DIG PROT % *	1.1	1.2	

SACCHARUM SPP, AERIAL PART, FRESH, (2)

REF NO 2-13-560

DRY MATTER	%	14.7	100.0	1
ORGANIC MATTER	%	13.0	88.6	
ASH	%	1.7	11.4	1
CRUDE FIBER	%	5.5	37.6	1
ETHER EXTRACT	%	0.3	2.0	1
NITROGEN FREE EXTRACT	%	6.2	42.3	1
PROTEIN	%	1.0	6.8	1
CATTLE	DIG PROT % *	0.5	3.6	
GOATS	DIG PROT % *	0.4	2.9	
HORSES	DIG PROT % *	0.5	3.3	
RABBITS	DIG PROT % *	0.6	3.9	
SHEEP	DIG PROT % *	0.5	3.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.32	2.17	
SHEEP	DE MCAL/KG *	0.35	2.40	
CATTLE	ME MCAL/KG *	0.26	1.78	
SHEEP	ME MCAL/KG *	0.29	1.97	
CATTLE	NE-M MCAL/KG *	0.15	1.05	
CATTLE	NE-GAIN MCAL/KG *	0.04	0.25	
CATTLE	NE-LACTATION MCAL/KG *	0.14	0.98	
CATTLE	TDN % *	7.2	49.3	
SHEEP	TDN % *	8.0	54.4	

SAETILLA
=SEE CHAETIUM BROMOIDES, AERIAL PART, FRESH, (2)

SAFFLOWER MEAL WITHOUT HULLS
=SEE CARTHAMUS TINCTORIUS, SEEDS WO HULLS, SOLV EXTD GRND, (5)

SAFFLOWER OIL MEAL, EXPELLER EXTRACTED
=SEE CARTHAMUS TINCTORIUS, SEEDS, MECH EXTD GRND, (5)

SAFFLOWER OIL MEAL, HYDRAULIC EXTRACTED
=SEE CARTHAMUS TINCTORIUS, SEEDS, MECH EXTD GRND, (5)

SAFFLOWER OIL MEAL, SOLVENT EXTRACTED
=SEE CARTHAMUS TINCTORIUS, SEEDS, SOLV EXTD GRND, (5)

SAFFLOWER SEED, MECHANICAL EXTRACTED (AAFCO)
=SEE CARTHAMUS TINCTORIUS, SEEDS, MECH EXTD GRND, (5)

SAFFLOWER SEED, SOLVENT EXTRACTED (AAFCO)
=SEE CARTHAMUS TINCTORIUS, SEEDS, SOLV EXTD GRND, (5)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO

SALMON LIVER OIL (AAFCO)
=SEE ONCORHYNCHUS SPP, SALMO SPP SALMON, LIVER OIL, (7)

SAMANEA SAMAN, SAMAN, RAINTREE

SAMANEA SAMAN RAINTREE, LEAVES, DEHY, (1)

REF NO 1-10-891

DRY MATTER	%		100.0	
ORGANIC MATTER	%		96.9	
ASH	%		3.2	1
CRUDE FIBER	%		26.8	1
ETHER EXTRACT	%		3.2	1
NITROGEN FREE EXTRACT	%		39.2	1
PROTEIN	%		27.6	1
CATTLE	DIG PROT % *		20.8	
GOATS	DIG PROT % *		22.3	
HORSES	DIG PROT % *		21.0	
RABBITS	DIG PROT % *		20.0	
SHEEP	DIG PROT % *		21.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.07	
SHEEP	DE MCAL/KG *		3.00	
CATTLE	ME MCAL/KG *		2.52	
SHEEP	ME MCAL/KG *		2.46	
CATTLE	NE-M MCAL/KG *		1.53	
CATTLE	NE-GAIN MCAL/KG *		0.96	
CATTLE	NE-LACTATION MCAL/KG *		1.68	
CATTLE	TDN % *		69.6	
SHEEP	TDN % *		68.0	

SAMANEA SAMAN RAINTREE, PODS W SEEDS, FRESH, (4)

REF NO 4-13-484

DRY MATTER	%	65.2	100.0	1
CRUDE FIBER	%	10.8	16.6	1
ETHER EXTRACT	%	2.4	3.6	2
NITROGEN FREE EXTRACT	%	36.2	55.5	1
PROTEIN	%	13.5	20.7	1
CATTLE	DIG PROT % *	9.8	15.0	
GOATS	DIG PROT % *	10.6	16.2	
HORSES	DIG PROT % *	10.6	16.2	
SHEEP	DIG PROT % *	10.6	16.2	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	2.05	3.15	
SWINE	DE KCAL/KG *	1758.	2697.	
SHEEP	ME MCAL/KG *	1.69	2.58	
SWINE	ME KCAL/KG *	1614.	2476.	
SHEEP	TDN % *	46.6	71.5	
SWINE	TDN % *	39.9	61.2	
CALCIUM	%	0.17	0.26	1
PHOSPHORUS	%	0.17	0.26	1

SCHAEFFERIA CUNEIFOLIA, BOXWOOD, CUNEIFOLIA

SCHAEFFERIA CUNEIFOLIA CUNEIFOLIA, BROWSE, FRESH, (2)

REF NO 2-11-731

DRY MATTER	%	49.8	100.0	1
ORGANIC MATTER	%	40.8	82.0	
ASH	%	9.0	18.0	3
CRUDE FIBER	%	8.2	16.4	3
ETHER EXTRACT	%	4.6	9.3	3
NITROGEN FREE EXTRACT	%	21.5	43.2	3
PROTEIN	%	6.5	13.1	3
CATTLE	DIG PROT % *	4.5	9.0	
GOATS	DIG PROT % *	4.4	8.8	
HORSES	DIG PROT % *	4.3	8.7	
RABBITS	DIG PROT % *	4.4	8.8	
SHEEP	DIG PROT % *	4.6	9.2	

SCIRPUS CONGLOMERATUS, BULRUSH, CONGLOMERATUS

SCIRPUS CONGLOMERATUS CONGLOMERATUS, AERIAL PART, FRESH, (3)

REF NO 3-10-797

DRY MATTER	%	70.0	100.0	1
ORGANIC MATTER	%	64.4	92.0	
ASH	%	5.6	8.0	2
CRUDE FIBER	%	23.2	33.1	2
ETHER EXTRACT	%	1.9	2.7	2
NITROGEN FREE EXTRACT	%	31.9	45.5	2
PROTEIN	%	7.4	10.6	2

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
CATTLE	DIG PROT % *	4.1	5.9	
GOATS	DIG PROT % *	4.1	5.9	
HORSES	DIG PROT % *	4.1	5.9	
SHEEP	DIG PROT % *	4.1	5.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.75	2.51	
SHEEP	DE MCAL/KG *	1.83	2.61	
CATTLE	ME MCAL/KG *	1.44	2.05	
SHEEP	ME MCAL/KG *	1.50	2.14	
CATTLE	NE-M MCAL/KG *	0.85	1.21	
CATTLE	NE-GAIN MCAL/KG *	0.38	0.54	
CATTLE	NE-LACTATION MCAL/KG *	0.87	1.24	
CATTLE	TDN % *	39.8	56.8	
SHEEP	TDN % *	41.5	59.2	

SCIRPUS MICROCEPHALUS, BULRUSH, MICROCEPHALUS

SCIRPUS MICROCEPHALUS MICROCEPHALUS, AERIAL PART, FRESH, (2)

REF NO 2-11-515

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		92.8	
ASH	%		7.2	1
CRUDE FIBER	%		28.0	1
ETHER EXTRACT	%		1.8	1
NITROGEN FREE EXTRACT	%		51.5	1
PROTEIN	%		11.5	1
CATTLE	DIG PROT % *		7.7	
GOATS	DIG PROT % *		7.3	
HORSES	DIG PROT % *		7.3	
RABBITS	DIG PROT % *		7.6	
SHEEP	DIG PROT % *		7.7	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.74	
SHEEP	DE MCAL/KG *		2.75	
CATTLE	ME MCAL/KG *		2.25	
SHEEP	ME MCAL/KG *		2.25	
CATTLE	NE-M MCAL/KG *		1.34	
CATTLE	NE-GAIN MCAL/KG *		0.73	
CATTLE	NE-LACTATION MCAL/KG *		1.43	
CATTLE	TDN % *		62.2	
SHEEP	TDN % *		62.3	
CALCIUM	%		0.59	1

SCIRPUS RIGIDUS, BULRUSH, RIGIDUS

SCIRPUS RIGIDUS RIGIDUS, AERIAL PART, FRESH, (2)

REF NO 2-11-516

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		96.9	
ASH	%		3.1	2
CRUDE FIBER	%		34.1	1
ETHER EXTRACT	%		2.2	1
NITROGEN FREE EXTRACT	%		53.6	1
PROTEIN	%		7.0	2
CATTLE	DIG PROT % *		3.8	
GOATS	DIG PROT % *		3.1	
HORSES	DIG PROT % *		3.5	
RABBITS	DIG PROT % *		4.1	
SHEEP	DIG PROT % *		3.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.42	
SHEEP	DE MCAL/KG *		2.64	
CATTLE	ME MCAL/KG *		1.99	
SHEEP	ME MCAL/KG *		2.17	
CATTLE	NE-M MCAL/KG *		1.17	
CATTLE	NE-GAIN MCAL/KG *		0.47	
CATTLE	NE-LACTATION MCAL/KG *		1.18	
CATTLE	TDN % *		54.9	
SHEEP	TDN % *		59.9	
CALCIUM	%		0.21	1
COBALT	MG/KG		0.057	1
COPPER	MG/KG		6.3	1
MANGANESE	MG/KG		114.5	1
MOLYBDENUM	MG/KG		0.26	1
PHOSPHORUS	%		0.07	1
ZINC	MG/KG		15.1	1

SCIRPUS SPP, BULRUSH

SCIRPUS SPP, AERIAL PART, FRESH, (2)

REF NO 2-13-437

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.3	
ASH	%		4.7	1
CRUDE FIBER	%		31.0	1
ETHER EXTRACT	%		2.9	1
NITROGEN FREE EXTRACT	%		53.6	1
PROTEIN	%		7.8	1
CATTLE	DIG PROT % *		4.5	
GOATS	DIG PROT % *		3.8	
HORSES	DIG PROT % *		4.1	
RABBITS	DIG PROT % *		4.7	
SHEEP	DIG PROT % *		4.2	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.78	
SHEEP	DE MCAL/KG *		2.70	
CATTLE	ME MCAL/KG *		2.28	
SHEEP	ME MCAL/KG *		2.21	
CATTLE	NE-M MCAL/KG *		1.36	
CATTLE	NE-GAIN MCAL/KG *		0.76	
CATTLE	NE-LACTATION MCAL/KG *		1.45	
CATTLE	TDN % *		63.0	
SHEEP	TDN % *		61.2	

SCLEROPOGON BREVIFOLIUS, BURROGRASS

SCLEROPOGON BREVIFOLIUS, AERIAL PART, FRESH, STEM CURED, CUT 1, (2)

REF NO 2-13-716

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		94.3	
ASH	%		5.7	1
CRUDE FIBER	%		21.1	1
ETHER EXTRACT	%		4.2	1
NITROGEN FREE EXTRACT	%		62.5	1
PROTEIN	%		6.5	1
CATTLE	DIG PROT % *		3.4	
GOATS	DIG PROT % *		2.6	
HORSES	DIG PROT % *		3.0	
RABBITS	DIG PROT % *		3.7	
SHEEP	DIG PROT % *		3.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		4.64	
SHEEP	DE MCAL/KG *		2.93	
CATTLE	ME MCAL/KG *		3.80	
SHEEP	ME MCAL/KG *		2.40	
CATTLE	NE-M MCAL/KG *		2.95	
CATTLE	NE-GAIN MCAL/KG *		1.72	
CATTLE	NE-LACTATION MCAL/KG *		2.91	
CATTLE	TDN % *		105.1	
SHEEP	TDN % *		66.4	

SCREENED CRACKED CORN (AAFCO) =SEE ZEA MAYS, GRAIN, CRACKED W/ FINES COARSE SCREENED, MX 4% FOREIGN MATERIAL, (4)

SECALE CEREALE, RYE

SECALE CEREALE, HAY, S-C, EARLY VEGETATIVE, (1)

REF NO 1-10-862

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
CELL WALLS (VAN SOEST)	%		55.4	1
ENERGY	GE KCAL/KG		4812.	1
TIN	MG/KG		0.010	1
GLYCINE	%		3000.00	1

SECALE CEREALE, AERIAL PART, FRESH, (2)

REF NO 2-04-018

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO	
DRY MATTER	%	22.0	100.0		1
ORGANIC MATTER	%	19.8	89.8	29	1
ASH	%	1.6	7.3	29	6
CRUDE FIBER	%	7.3	33.1	33	6
ETHER EXTRACT	%	1.0	4.7	42	6
NITROGEN FREE EXTRACT	%	9.0	40.7	48	6
PROTEIN	%	3.1	14.2	52	6
CATTLE	DIG PROT % *	2.2	10.0		
GOATS	DIG PROT % *	2.2	9.8		
HORSES	DIG PROT % *	2.1	9.6		
RABBITS	DIG PROT % *	2.1	9.7		
SHEEP	DIG PROT % *	2.3	10.3		
ENERGY	GE KCAL/KG				

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	DE	MCAL/KG *	0.62	2.82		
SHEEP	DE	MCAL/KG *	0.61	2.77		
CATTLE	ME	MCAL/KG *	0.51	2.32		
SHEEP	ME	MCAL/KG *	0.50	2.27		
CATTLE	NE-M	MCAL/KG *	0.30	1.38		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.79		
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.49		
CATTLE		TDN % *	14.1	64.0		
SHEEP		TDN % *	13.8	62.9		

SECALE CEREALE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-724

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.1		
ASH		%		8.9		1
CRUDE FIBER		%		19.7		1
ETHER EXTRACT		%		3.0		1
NITROGEN FREE EXTRACT		%		54.4		1
PROTEIN		%		14.0		1
CATTLE	DIG PROT	% *		9.8		
GOATS	DIG PROT	% *		9.6		
HORSES	DIG PROT	% *		9.4		
RABBITS	DIG PROT	% *		9.5		
SHEEP	DIG PROT	% *		10.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.46		
SHEEP	DE	MCAL/KG *		2.99		
CATTLE	ME	MCAL/KG *		2.84		
SHEEP	ME	MCAL/KG *		2.45		
CATTLE	NE-M	MCAL/KG *		1.81		
CATTLE	NE-GAIN	MCAL/KG *		1.20		
CATTLE	NE-LACTATION	MCAL/KG *		1.99		
CATTLE		TDN % *		78.5		
SHEEP		TDN % *		67.8		

SECALE CEREALE, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-061

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.1	100.0	10	36
DM IN VITRO (TILLY)	DIG COEF	%	72.	72.	6	24
PROTEIN		%	4.6	27.1	17	36
CATTLE	DIG PROT	% *	3.6	21.0		
GOATS	DIG PROT	% *	3.7	21.9		
HORSES	DIG PROT	% *	3.5	20.6		
RABBITS	DIG PROT	% *	3.3	19.6		
SHEEP	DIG PROT	% *	3.8	22.3		

SECALE CEREALE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-13-062

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.1	100.0	28	21
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.	4	8
PROTEIN		%	4.0	18.8	12	21
CATTLE	DIG PROT	% *	2.9	13.9		
GOATS	DIG PROT	% *	3.0	14.1		
HORSES	DIG PROT	% *	2.8	13.5		
RABBITS	DIG PROT	% *	2.8	13.2		
SHEEP	DIG PROT	% *	3.1	14.5		

SECALE CEREALE, AERIAL PART, FRESH, EARLY BLOOM, CUT 3, (2)

REF NO 2-13-063

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.2	100.0	8	24
DM IN VITRO (TILLY)	DIG COEF	%	56.	56.	9	8
PROTEIN		%	2.2	9.6	16	24
CATTLE	DIG PROT	% *	1.4	6.0		
GOATS	DIG PROT	% *	1.3	5.5		
HORSES	DIG PROT	% *	1.3	5.6		
RABBITS	DIG PROT	% *	1.4	6.0		
SHEEP	DIG PROT	% *	1.4	5.9		

SECALE CEREALE, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-13-723

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.5		
ASH		%		6.5		2
CRUDE FIBER		%		17.7		2
ETHER EXTRACT		%		2.1		2
NITROGEN FREE EXTRACT		%		64.1		2
PROTEIN		%		9.8		2
CATTLE	DIG PROT	% *		6.2		
GOATS	DIG PROT	% *		5.7		
HORSES	DIG PROT	% *		5.8		
RABBITS	DIG PROT	% *		6.2		
SHEEP	DIG PROT	% *		6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.61		
SHEEP	DE	MCAL/KG *		3.18		
CATTLE	ME	MCAL/KG *		2.96		
SHEEP	ME	MCAL/KG *		2.61		
CATTLE	NE-M	MCAL/KG *		1.92		
CATTLE	NE-GAIN	MCAL/KG *		1.28		
CATTLE	NE-LACTATION	MCAL/KG *		2.10		
CATTLE		TDN % *		81.9		
SHEEP		TDN % *		72.1		

SECALE CEREALE, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)

REF NO 2-13-722

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.0		
ASH		%		7.0		1
CRUDE FIBER		%		29.6		1
ETHER EXTRACT		%		1.8		1
NITROGEN FREE EXTRACT		%		52.3		1
PROTEIN		%		9.3		1
CATTLE	DIG PROT	% *		5.8		
GOATS	DIG PROT	% *		5.2		
HORSES	DIG PROT	% *		5.4		
RABBITS	DIG PROT	% *		5.8		
SHEEP	DIG PROT	% *		5.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.63		
SHEEP	DE	MCAL/KG *		2.69		
CATTLE	ME	MCAL/KG *		2.16		
SHEEP	ME	MCAL/KG *		2.20		
CATTLE	NE-M	MCAL/KG *		1.28		
CATTLE	NE-GAIN	MCAL/KG *		0.64		
CATTLE	NE-LACTATION	MCAL/KG *		1.34		
CATTLE		TDN % *		59.6		
SHEEP		TDN % *		60.9		

SECALE CEREALE, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-064

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.3	100.0	8	12
PROTEIN		%	5.7	32.7	3	12
CATTLE	DIG PROT	% *	4.4	25.7		
GOATS	DIG PROT	% *	4.7	27.1		
HORSES	DIG PROT	% *	4.4	25.3		
RABBITS	DIG PROT	% *	4.1	23.9		
SHEEP	DIG PROT	% *	4.8	27.5		

SECALE CEREALE, GRAIN, (4)

REF NO 4-04-047

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.9	100.0	1	23
ORGANIC MATTER		%	87.2	98.1		
ASH		%	1.7	1.9	15	10
SHEEP	DIG COEF	%	14.	14.		
CRUDE FIBER		%	2.2	2.5	13	10
SWINE	DIG COEF	%	30.	30.		1
ETHER EXTRACT		%	1.5	1.7	14	10
SHEEP	DIG COEF	%	53.	53.		1
SWINE	DIG COEF	%	(24.)	(24.)		1
CHOLESTEROL		%	100.37	112.87		1
NITROGEN FREE EXTRACT		%	72.0	80.9	2	8
SHEEP	DIG COEF	%	90.	90.		1
SWINE	DIG COEF	%	94.	94.		1
PROTEIN		%	11.5	12.9	13	10
SHEEP	DIG COEF	%	79.	79.		1
SWINE	DIG COEF	%	81.	81.		1
CATTLE	DIG PROT	% *	7.0	7.9		
GOATS	DIG PROT	% *	8.1	9.1		
HORSES	DIG PROT	% *	8.1	9.1		
SHEEP	DIG PROT	%	9.1	10.2		
SWINE	DIG PROT	%	9.3	10.5		
ENERGY	GE	KCAL/KG	3547.	3989.		2
CATTLE	DE	MCAL/KG *	3.19	3.59		
SHEEP	DE	MCAL/KG *	3.35	3.77		
SWINE	DE	KCAL/KG *	3459.	3890.		
CATTLE	ME	MCAL/KG *	2.62	2.95		
CHICKENS	ME-N	KCAL/KG	1921.	2160.		3
SHEEP	ME	MCAL/KG *	2.75	3.09		
SWINE	ME	KCAL/KG	2722.	3061.		1
CATTLE	NE-M	MCAL/KG *	1.70	1.91		
CATTLE	NE-GAIN	MCAL/KG *	1.13	1.27		
CATTLE	NE-LACTATION	MCAL/KG *	(1.86)	(2.09)		
CHICKENS	PRODUCTIVE	KCAL/KG	1950.	2192.		1
CATTLE		TDN % *	72.5	81.5		
SHEEP		TDN %	75.9	85.4		1
SWINE		TDN %	78.5	88.2		2
CALCIUM		%	(0.07)	(0.08)	35	9

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CHLORINE	%	(0.03)	(0.03)		3
COPPER	MG/KG	(6.3)	(7.1)		3
IRON	%	(0.007)	(0.008)	33	4
MAGNESIUM	%	(0.12)	(0.13)		3
MANGANESE	MG/KG	59.5	66.9		3
PHOSPHORUS	%	(0.32)	(0.36)	15	9
CHICKENS, CHICKS AVAILABLE	%	(0.10)	(0.11)		1
POTASSIUM	%	(0.48)	(0.54)	6	5
SODIUM	%	(0.03)	(0.03)	40	4
SULPHUR	%	(0.16)	(0.17)		2
ZINC	MG/KG	(30.6)	(34.4)		1
ZINC	%	(13.9)	(15.6)		1
A-TOCOPHEROL	MG/KG	(12.8)	(14.4)		3
BIOTIN	MG/KG	(0.31)	(0.35)		2
CHOLINE	MG/KG	(438.)	(493.)		2
FOLIC ACID	MG/KG	(0.45)	(0.50)		2
NIACIN	MG/KG	(14.0)	(15.8)	28	6
PANTOTHENIC ACID	MG/KG	(8.0)	(9.0)	34	5
RIBOFLAVIN	MG/KG	(1.5)	(1.7)	29	7
THIAMINE	MG/KG	3.7	4.2	34	4
VITAMIN A EQUIV	IU/G	(34.3)	(38.6)		
ARGININE	%	(0.55)	(0.62)	8	6
CYSTINE	%	(0.16)	(0.17)	33	5
GLUTAMIC ACID	%	(3.38)	(3.80)		1
HISTIDINE	%	(0.26)	(0.30)		3
ISOLEUCINE	%	(0.50)	(0.56)		3
LEUCINE	%	(0.69)	(0.78)		2
LYSINE	%	(0.45)	(0.50)	9	6
METHIONINE	%	(0.18)	(0.20)	7	6
PHENYLALANINE	%	(0.57)	(0.64)		3
SERINE	%	(0.62)	(0.70)		1
THREONINE	%	(0.36)	(0.41)		3
TRYPTOPHAN	%	(0.14)	(0.16)	18	6
TYROSINE	%	(0.27)	(0.30)		1
VALINE	%	0.60	0.68		3

SELACHII (ORDER), FISH, SHARK

SELACHII (ORDER) SHARK, WHOLE OR CUTTINGS, COOKED MECH EXTD DEHY GRND, (5) FISH MEAL, SHARK

REF NO 5-02-018

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	78.4	100.0	23	4
ORGANIC MATTER		%	70.0	89.3	41	1
ASH		%	11.3	14.4	41	4
CRUDE FIBER		%	5.6	7.2		1
ETHER EXTRACT		%	2.7	3.5	65	4
NITROGEN FREE EXTRACT		%	5.0	6.4		3
PROTEIN		%	53.7	68.5	30	4
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	2.36	3.01		
SHEEP	ME MCAL/KG	*	1.94	2.47		
SHEEP	TDN %	*	53.6	68.4		
CALCIUM		%	2.43	3.11		3
IRON		%	0.162	0.207		1
PHOSPHORUS		%	0.90	1.15		3

SESAME OIL MEAL, EXPELLER EXTRACTED -SEE SESAMUM INDICUM, SEEDS, MECH EXTD GRND, (5)

SESAMUM BRASILIENSE, SESAME, BRASILIENSE

SESAMUM BRASILIENSE BRASILIENSE, SEEDS, MECH EXTD GRND, (5)

REF NO 5-11-531

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.0	100.0		1
ORGANIC MATTER		%	82.8	90.0		1
ASH		%	9.2	10.0		1
CRUDE FIBER		%	3.9	4.2		1
ETHER EXTRACT		%	6.8	7.4		1
NITROGEN FREE EXTRACT		%	23.5	25.5		1
PROTEIN		%	48.7	52.9		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.28	3.56		
SHEEP	DE MCAL/KG	*	3.34	3.63		
CATTLE	ME MCAL/KG	*	2.69	2.92		
SHEEP	ME MCAL/KG	*	2.74	2.98		
CATTLE	NE-M MCAL/KG	*	1.73	1.88		
CATTLE	NE-GAIN MCAL/KG	*	1.16	1.26		
CATTLE	NE-LACTATION MCAL/KG	*	1.90	2.07		
CATTLE	TDN %	*	74.3	80.8		
SHEEP	TDN %	*	75.8	82.4		
CALCIUM		%	2.41	2.62		1
PHOSPHORUS		%	1.21	1.31		1

SESAMUM BRASILIENSE BRASILIENSE, SEEDS, SOLV EXTD GRND, (5)

REF NO 5-11-532

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.5	100.0		1
ORGANIC MATTER		%	81.3	88.8		1
ASH		%	10.2	11.2		1
CRUDE FIBER		%	3.6	3.9		1
ETHER EXTRACT		%	1.4	1.5		1
NITROGEN FREE EXTRACT		%	30.0	32.8		1
PROTEIN		%	46.3	50.6		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.11	3.40		
SHEEP	DE MCAL/KG	*	2.97	3.25		
CATTLE	ME MCAL/KG	*	2.55	2.78		
SHEEP	ME MCAL/KG	*	2.44	2.66		
CATTLE	NE-M MCAL/KG	*	1.61	1.76		
CATTLE	NE-GAIN MCAL/KG	*	1.07	1.16		
CATTLE	NE-LACTATION MCAL/KG	*	1.77	1.94		
CATTLE	TDN %	*	70.5	77.0		
SHEEP	TDN %	*	67.4	73.6		
CALCIUM		%	2.13	2.33		1
PHOSPHORUS		%	1.10	1.20		1

SESAMUM INDICUM, SESAME

SESAMUM INDICUM, AERIAL PART, DEHY, (1)

REF NO 1-11-534

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.7	100.0		1
ORGANIC MATTER		%	87.1	95.0		1
ASH		%	4.6	5.0		1
CRUDE FIBER		%	50.2	54.7		1
ETHER EXTRACT		%	1.5	1.6		1
NITROGEN FREE EXTRACT		%	31.8	34.7		1
PROTEIN		%	3.6	3.9		1
CATTLE	DIG PROT %	*	0.3	0.3		
GOATS	DIG PROT %	*	0.2	0.2		
HORSES	DIG PROT %	*	0.8	0.9		
RABBITS	DIG PROT %	*	1.6	1.7		
SHEEP	DIG PROT %	*	0.1	0.1		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*	2.05	2.23		
SHEEP	ME MCAL/KG	*	1.68	1.83		
SHEEP	TDN %	*	46.4	50.6		

SESAMUM INDICUM, STRAW, (1)

REF NO 1-13-715

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.8		
ASH		%		5.2		1
CRUDE FIBER		%		48.5		1
ETHER EXTRACT		%		0.8		1
NITROGEN FREE EXTRACT		%		42.0		1
PROTEIN		%		3.5		1
CATTLE	DIG PROT %	*		-0.0		
GOATS	DIG PROT %	*		-0.2		
HORSES	DIG PROT %	*		0.5		
RABBITS	DIG PROT %	*		1.4		
SHEEP	DIG PROT %	*		-0.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.27		
HORSES	DE MCAL/KG	*		1.09		
SHEEP	DE MCAL/KG	*		2.23		
CATTLE	ME MCAL/KG	*		1.86		
HORSES	ME MCAL/KG	*		0.90		
SHEEP	ME MCAL/KG	*		1.83		
CATTLE	NE-M MCAL/KG	*		1.10		
CATTLE	NE-GAIN MCAL/KG	*		0.33		
CATTLE	NE-LACTATION MCAL/KG	*		1.05		
CATTLE	TDN %	*		51.4		
HORSES	TDN %	*		25.2		
SHEEP	TDN %	*		50.6		

SESAMUM INDICUM, BRAN, (4)

REF NO 4-09-587

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.5	100.0		1
ORGANIC MATTER		%	78.0	84.3		
ASH		%	14.5	15.7		1
CRUDE FIBER		%	5.4	5.8		1
ETHER EXTRACT		%	29.1	31.5		1
NITROGEN FREE EXTRACT		%	27.0	29.2		1
PROTEIN		%	16.5	17.8		1
CATTLE	DIG PROT %	*	11.5	12.4		
GOATS	DIG PROT %	*	12.6	13.6		
HORSES	DIG PROT %	*	12.6	13.6		
SHEEP	DIG PROT %	*	12.6	13.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SESAMUM INDICUM, SEEDS, (5)					
REF NO 5-08-509					
DRY MATTER	%	94.0	100.0		98
ORGANIC MATTER	%	88.9	94.5	38	16
ASH	%	4.9	5.2	38	18
CRUDE FIBER	%	3.8	4.0	29	18
ETHER EXTRACT	%	52.4	55.8	8	98
NITROGEN FREE EXTRACT	%	13.1	14.0	28	18
PROTEIN	%	19.8	21.1	9	98
CALCIUM	%	0.72	0.76	10	7
IRON	%	0.013	0.014	32	7
PHOSPHORUS	%	0.70	0.75	4	7
NIACIN	MG/KG	55.6	59.1	9	7
SESAMUM INDICUM, SEEDS, COOKED MECH EXTD GRND, (5)					
REF NO 5-13-202					
DRY MATTER	%	94.6	100.0	1	98
CRUDE FIBER	%	6.7	7.1	8	98
ETHER EXTRACT	%	7.0	7.4	30	98
PROTEIN	%	45.1	47.6	2	98
SESAMUM INDICUM, SEEDS, EXTN UNSPECIFIED GRND, (5)					
REF NO 5-04-221					
DRY MATTER	%	92.0	100.0	2	18
ORGANIC MATTER	%	82.4	89.6	20	1
ASH	%	10.7	11.6	20	18
CRUDE FIBER	%	7.0	7.7		1
ETHER EXTRACT	%	8.7	9.4		1
NITROGEN FREE EXTRACT	%	20.5	22.3		1
PROTEIN	%	45.0	49.0	6	18
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.19	3.47		
SHEEP DE MCAL/KG *		3.26	3.54		
CATTLE ME MCAL/KG *		2.61	2.84		
SHEEP ME MCAL/KG *		2.67	2.91		
CATTLE NE-M MCAL/KG *		1.67	1.81		
CATTLE NE-GAIN MCAL/KG *		1.11	1.20		
CATTLE NE-LACTATION MCAL/KG *		1.83	1.99		
CATTLE TDN % *		72.3	78.6		
SHEEP TDN % *		73.9	80.4		
SESAMUM INDICUM, SEEDS, MECH EXTD GRND, (5) SESAME OIL MEAL, EXPELLER EXTRACTED					
REF NO 5-04-220					
DRY MATTER	%	92.7	100.0	2	36
ORGANIC MATTER	%	81.2	87.7	18	1
ASH	%	10.1	10.9	18	40
CRUDE FIBER	%	7.0	7.6	36	39
ETHER EXTRACT	%	5.0	5.4	52	39
NITROGEN FREE EXTRACT	%	27.3	29.4	17	33
PROTEIN	%	43.3	46.7	12	40
FATTY ACIDS	%				
LINOLEIC	%	1.893	2.043		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.98	3.21		
SHEEP DE MCAL/KG *		3.16	3.41		
SWINE DE KCAL/KG *		3100.	3344.		
CATTLE ME MCAL/KG *		2.44	2.64		
CHICKENS ME-N KCAL/KG		2378.	2566.		3
SHEEP ME MCAL/KG *		2.59	2.80		
SWINE ME KCAL/KG		2535.	2735.		1
CATTLE NE-M MCAL/KG *		1.51	1.63		
CATTLE NE-GAIN MCAL/KG *		0.98	1.06		
CATTLE NE-LACTATION MCAL/KG *		(1.66)	(1.80)		
CHICKENS PRODUCTIVE KCAL/KG		1610.	1737.		2
CATTLE TDN % *		67.6	72.9		
SHEEP TDN % *		71.7	77.3		
SWINE TDN %		(70.3)	(75.9)		1
CALCIUM	%	(2.49)	(2.68)	45	7
CHLORINE	%	(0.06)	(0.07)		2
MANGANESE	MG/KG	47.9	51.7		2
PHOSPHORUS	%	(1.35)	(1.46)	3	7
CHICKENS, CHICKS AVAILABLE	%	(0.36)	(0.39)		2
POTASSIUM	%	(1.20)	(1.29)		1
SODIUM	%	(0.04)	(0.04)		1
ZINC	MG/KG	(99.7)	(107.5)		1
CHOLINE	MG/KG	(1536.)	(1657.)	5	6
NIACIN	MG/KG	(29.8)	(32.1)		2
PANTOTHENIC ACID	MG/KG	(6.1)	(6.6)	4	4
RIBOFLAVIN	MG/KG	(3.6)	(3.8)	7	5
THIAMINE	MG/KG	(2.8)	(3.0)		1
VITAMIN B6	MG/KG	(12.46)	(13.44)		1
ARGININE	%	(4.93)	(5.32)	6	6
CYSTINE	%	(0.59)	(0.64)	1	5
GLYCINE	%	(4.21)	(4.55)	2	5
HISTIDINE	%	(1.09)	(1.18)	4	4
ISOLEUCINE	%	(2.12)	(2.29)	5	4
LEUCINE	%	(3.33)	(3.59)		3
LYSINE	%	(1.30)	(1.40)	2	6
METHIONINE	%	(1.38)	(1.48)	5	6
PHENYLALANINE	%	(2.22)	(2.39)	2	4
THREONINE	%	(1.63)	(1.78)	3	4
TRYPTOPHAN	%	(0.80)	(0.86)	5	6
TYROSINE	%	(1.99)	(2.15)		1
VALINE	%	2.41	2.60	2	4
SESAMUM INDICUM, SEEDS, MECH EXTD GRND CAKED, (5)					
REF NO 5-11-533					
DRY MATTER	%	92.6	100.0	2	27
ORGANIC MATTER	%	82.6	89.3	22	16
ASH	%	11.1	12.0	22	38
CRUDE FIBER	%	5.8	6.3	21	40
ETHER EXTRACT	%	7.9	8.5	42	40
NITROGEN FREE EXTRACT	%	26.5	28.6	24	37
PROTEIN	%	41.3	44.6	15	40
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.16	3.41		
SHEEP DE MCAL/KG *		3.26	3.52		
CATTLE ME MCAL/KG *		2.59	2.80		
SHEEP ME MCAL/KG *		2.67	2.89		
CATTLE NE-M MCAL/KG *		1.64	1.77		
CATTLE NE-GAIN MCAL/KG *		1.09	1.17		
CATTLE NE-LACTATION MCAL/KG *		1.80	1.95		
CATTLE TDN % *		71.6	77.4		
SHEEP TDN % *		73.9	79.9		
CALCIUM	%	1.76	1.90	47	13
COPPER	MG/KG	233.3	252.0		1
IRON	%	0.049	0.053	44	4
MAGNESIUM	%	0.60	0.65		1
MANGANESE	MG/KG	74.1	80.0		1
PHOSPHORUS	%	1.00	1.08	56	13
POTASSIUM	%	1.72	1.86		1
SODIUM	%	0.21	0.23		1
NIACIN	MG/KG	95.5	103.1		1
RIBOFLAVIN	MG/KG	4.4	4.7		1
THIAMINE	MG/KG	13.6	14.6		1
VITAMIN A EQUIV	IU/G	0.5	0.5		
ARGININE	%	1.91	2.07		1
CYSTINE	%	0.60	0.65		1
HISTIDINE	%	1.11	1.19		1
ISOLEUCINE	%	2.73	2.95		1
LEUCINE	%	3.67	3.96		1
LYSINE	%	1.66	1.80		1
METHIONINE	%	2.38	2.57		1
PHENYLALANINE	%	2.25	2.43		1
THREONINE	%	2.03	2.20		1
TRYPTOPHAN	%	0.58	0.62		1
TYROSINE	%	1.60	1.73		1
VALINE	%	(0.82)	(0.88)		1
SESAMUM INDICUM, SEEDS, PARTIALLY EXTD GRND, (5)					
REF NO 5-13-761					
DRY MATTER	%	(93.0)	(100.0)		1
ORGANIC MATTER	%	84.7	91.1		1
ASH	%	9.1	9.8		2
CRUDE FIBER	%	5.0	5.4		2
ETHER EXTRACT	%	23.3	25.1		2
NITROGEN FREE EXTRACT	%	16.4	17.7		2
PROTEIN	%	39.2	42.1		2
ENERGY GE KCAL/KG					
SHEEP DE MCAL/KG *		3.91	4.20		
SHEEP ME MCAL/KG *		3.21	3.45		
SHEEP TDN % *		88.7	95.4		
CALCIUM	%	1.40	1.51		1
PHOSPHORUS	%	0.60	0.64		1
SESAMUM INDICUM, SEEDS, SOLV EXTD GRND, (5)					
REF NO 5-09-906					
DRY MATTER	%	92.5	100.0	2	10
ORGANIC MATTER	%	82.8	89.5	19	2
ASH	%	11.8	12.8	19	7
CRUDE FIBER	%	6.5	7.0	39	9
ETHER EXTRACT	%	2.1	2.2	78	10
NITROGEN FREE EXTRACT	%	26.8	29.0	15	5
PROTEIN	%	45.3	49.0	7	10
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		2.71	2.93		
SHEEP DE MCAL/KG *		2.89	3.12		
CATTLE ME MCAL/KG *		2.22	2.40		
SHEEP ME MCAL/KG *		2.37	2.56		
CATTLE NE-M MCAL/KG *		1.34	1.45		
CATTLE NE-GAIN MCAL/KG *		0.80	0.87		
CATTLE NE-LACTATION MCAL/KG *		1.45	1.57		
CATTLE TDN % *		61.4	66.5		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		TDN % *	65.5	70.8		
CALCIUM		%	2.47	2.67	26	4
COPPER		MG/KG	242.2	262.0		1
IRON		%	0.092	0.100		1
MAGNESIUM		%	0.33	0.36		1
MANGANESE		MG/KG	58.2	63.0		1
PHOSPHORUS		%	1.47	1.59	29	4
POTASSIUM		%	1.75	1.89		1
SODIUM		%	0.21	0.23		1
ARGININE		%	5.03	5.44		2
CYSTINE		%	0.55	0.60		1
HISTIDINE		%	1.16	1.25		2
ISOLEUCINE		%	1.29	1.40		2
LEUCINE		%	2.62	2.84		2
LYSINE		%	1.14	1.23		2
METHIONINE		%	0.91	0.99		2
PHENYLALANINE		%	1.83	1.98		2
THREONINE		%	1.43	1.55		2
TRYPTOPHAN		%	0.54	0.58		2
TYROSINE		%	1.37	1.48		1
VALINE		%	1.60	1.73		2

SESAMUM INDICUM, SEEDS, SOLV EXTD GRND CAKED, (5)

REF NO 5-13-485

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.1	100.0		1
ORGANIC MATTER		%	78.4	87.1		
ASH		%	11.7	12.9	16	9
CRUDE FIBER		%	6.1	6.8	15	9
ETHER EXTRACT		%	1.2	1.3	34	9
NITROGEN FREE EXTRACT		%	25.2	28.0	13	7
PROTEIN		%	46.0	51.0	4	9
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.58	2.86		
SHEEP	DE MCAL/KG	*	2.75	3.05		
CATTLE	ME MCAL/KG	*	2.11	2.34		
SHEEP	ME MCAL/KG	*	2.25	2.50		
CATTLE	NE-M MCAL/KG	*	1.27	1.40		
CATTLE	NE-GAIN MCAL/KG	*	0.74	0.82		
CATTLE	NE-LACTATION MCAL/KG	*	1.37	1.52		
CATTLE	TDN %	*	58.4	64.8		
SHEEP	TDN %	*	62.4	69.2		
CALCIUM		%	2.29	2.55		1
PHOSPHORUS		%	1.18	1.31		1

SESAMUM INDICUM, SEEDS W HULLS, (5)

REF NO 5-11-535

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.3		
ASH		%		4.7		1
CRUDE FIBER		%		12.8		1
ETHER EXTRACT		%		46.6		1
NITROGEN FREE EXTRACT		%		13.3		1
PROTEIN		%		22.5		1
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG	*		5.24		
SHEEP	ME MCAL/KG	*		4.30		
SHEEP	TDN %	*		118.9		
CALCIUM		%		2.03		1
PHOSPHORUS		%		1.61		1

SESAMUM INDICUM, SESAME, ORIENTAL

SESAMUM INDICUM ORIENTAL, SEEDS, COOKED SOLV EXTD GRND, (5)

REF NO 5-17-602

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.6	100.0		46
CRUDE FIBER		%	6.8	7.4	7	48
ETHER EXTRACT		%	4.0	4.3	38	48
PROTEIN		%	46.1	50.3	1	47

SETARIA ARGENTINA, BRISTLEGRASS, ARGENTINA

SETARIA ARGENTINA ARGENTINA, AERIAL PART, FRESH, (2)

REF NO 2-10-793

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	65.5	100.0		1
ORGANIC MATTER		%	54.0	82.4		
ASH		%	11.5	17.6		1
CRUDE FIBER		%	18.7	28.6		1
ETHER EXTRACT		%	1.0	1.6		1
NITROGEN FREE EXTRACT		%	27.8	42.5		1
PROTEIN		%	6.4	9.7		1
CATTLE	DIG PROT %	*	4.0	6.1		
GOATS	DIG PROT %	*	3.7	5.6		
HORSES	DIG PROT %	*	3.8	5.8		
RABBITS	DIG PROT %	*	4.0	6.2		
SHEEP	DIG PROT %	*	4.0	6.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.60	2.44		
SHEEP	DE MCAL/KG	*	1.58	2.41		
CATTLE	ME MCAL/KG	*	1.31	2.00		
SHEEP	ME MCAL/KG	*	1.29	1.97		
CATTLE	NE-M MCAL/KG	*	0.77	1.18		
CATTLE	NE-GAIN MCAL/KG	*	0.32	0.49		
CATTLE	NE-LACTATION MCAL/KG	*	0.78	1.19		
CATTLE	TDN %	*	36.3	55.4		
SHEEP	TDN %	*	35.8	54.6		

SETARIA GENICULATA, BRISTLEGRASS, KNOTROOT

SETARIA GENICULATA KNOTROOT, AERIAL PART, FRESH, (2)

REF NO 2-09-742

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.8		
ASH		%		6.2		1
CRUDE FIBER		%		29.0		1
ETHER EXTRACT		%		2.6		1
NITROGEN FREE EXTRACT		%		56.2		1
PROTEIN		%		6.0		1
CATTLE	DIG PROT %	*		3.0		
GOATS	DIG PROT %	*		2.1		
HORSES	DIG PROT %	*		2.6		
RABBITS	DIG PROT %	*		3.3		
SHEEP	DIG PROT %	*		2.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.78		
SHEEP	DE MCAL/KG	*		2.70		
CATTLE	ME MCAL/KG	*		2.28		
SHEEP	ME MCAL/KG	*		2.21		
CATTLE	NE-M MCAL/KG	*		1.36		
CATTLE	NE-GAIN MCAL/KG	*		0.76		
CATTLE	NE-LACTATION MCAL/KG	*		1.46		
CATTLE	TDN %	*		63.1		
SHEEP	TDN %	*		61.2		

SETARIA GENICULATA KNOTROOT, AERIAL PART, FRESH, FULL BLOOM, (2)

REF NO 2-10-804

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	44.2	100.0		1
ORGANIC MATTER		%	38.9	88.1		
ASH		%	5.3	11.9		1
CRUDE FIBER		%	14.1	31.8		1
ETHER EXTRACT		%	0.2	0.5		1
NITROGEN FREE EXTRACT		%	22.9	51.8		1
PROTEIN		%	1.8	4.0		1
CATTLE	DIG PROT %	*	0.6	1.3		
GOATS	DIG PROT %	*	0.1	0.3		
HORSES	DIG PROT %	*	0.4	0.9		
RABBITS	DIG PROT %	*	0.8	1.8		
SHEEP	DIG PROT %	*	0.3	0.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.15	2.60		
SHEEP	DE MCAL/KG	*	1.04	2.36		
CATTLE	ME MCAL/KG	*	0.94	2.13		
SHEEP	ME MCAL/KG	*	0.86	1.94		
CATTLE	NE-M MCAL/KG	*	0.56	1.26		
CATTLE	NE-GAIN MCAL/KG	*	0.27	0.62		
CATTLE	NE-LACTATION MCAL/KG	*	0.58	1.31		
CATTLE	TDN %	*	26.1	58.9		
SHEEP	TDN %	*	23.7	53.6		
CALCIUM		%	0.08	0.18		1
PHOSPHORUS		%	0.00	0.01		1

SETARIA ITALICA, MILLET, FOXTAIL

SETARIA ITALICA FOXTAIL, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-13-432

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	32.1	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	68.	68.		2
PROTEIN		%	5.0	15.5		2
CATTLE	DIG PROT %	*	3.5	11.1		
GOATS	DIG PROT %	*	3.5	11.0		
HORSES	DIG PROT %	*	3.4	10.7		
RABBITS	DIG PROT %	*	3.4	10.6		
SHEEP	DIG PROT %	*	3.7	11.4		
FIBER, ACID DETERGENT (VS)		%	9.0	28.2		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SETARIA ITALICA FOXTAIL, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)					
REF NO 2-13-720					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.6	
ASH		%		12.4	1
CRUDE FIBER		%		15.0	1
ETHER EXTRACT		%		2.2	1
NITROGEN FREE EXTRACT		%		57.7	1
PROTEIN		%		12.7	1
CATTLE	DIG PROT	% *		8.7	
GOATS	DIG PROT	% *		8.4	
HORSES	DIG PROT	% *		8.3	
RABBITS	DIG PROT	% *		8.5	
SHEEP	DIG PROT	% *		8.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		3.30	
SHEEP	DE	MCAL/KG *		3.06	
CATTLE	ME	MCAL/KG *		2.71	
SHEEP	ME	MCAL/KG *		2.51	
CATTLE	NE-M	MCAL/KG *		1.69	
CATTLE	NE-GAIN	MCAL/KG *		1.11	
CATTLE	NE-LACTATION	MCAL/KG *		1.86	
CATTLE	TDN	% *		74.9	
SHEEP	TDN	% *		69.3	
SETARIA ITALICA FOXTAIL, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)					
REF NO 2-13-717					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		89.1	
ASH		%		11.0	2
CRUDE FIBER		%		23.2	2
ETHER EXTRACT		%		1.9	2
NITROGEN FREE EXTRACT		%		53.5	2
PROTEIN		%		10.6	2
CATTLE	DIG PROT	% *		6.9	
GOATS	DIG PROT	% *		6.4	
HORSES	DIG PROT	% *		6.5	
RABBITS	DIG PROT	% *		6.8	
SHEEP	DIG PROT	% *		6.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.84	
SHEEP	DE	MCAL/KG *		2.78	
CATTLE	ME	MCAL/KG *		2.33	
SHEEP	ME	MCAL/KG *		2.28	
CATTLE	NE-M	MCAL/KG *		1.39	
CATTLE	NE-GAIN	MCAL/KG *		0.81	
CATTLE	NE-LACTATION	MCAL/KG *		1.50	
CATTLE	TDN	% *		64.4	
SHEEP	TDN	% *		63.1	
SETARIA ITALICA FOXTAIL, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)					
REF NO 2-13-718					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.1	
ASH		%		9.9	2
CRUDE FIBER		%		27.6	2
ETHER EXTRACT		%		1.7	2
NITROGEN FREE EXTRACT		%		51.4	2
PROTEIN		%		9.5	2
CATTLE	DIG PROT	% *		5.9	
GOATS	DIG PROT	% *		5.4	
HORSES	DIG PROT	% *		5.6	
RABBITS	DIG PROT	% *		6.0	
SHEEP	DIG PROT	% *		5.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.65	
SHEEP	DE	MCAL/KG *		2.66	
CATTLE	ME	MCAL/KG *		2.17	
SHEEP	ME	MCAL/KG *		2.18	
CATTLE	NE-M	MCAL/KG *		1.29	
CATTLE	NE-GAIN	MCAL/KG *		0.86	
CATTLE	NE-LACTATION	MCAL/KG *		1.35	
CATTLE	TDN	% *		60.0	
SHEEP	TDN	% *		60.3	
SETARIA ITALICA FOXTAIL, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)					
REF NO 2-13-719					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.1	
ASH		%		9.9	1
CRUDE FIBER		%		29.6	1
ETHER EXTRACT		%		3.1	1
NITROGEN FREE EXTRACT		%		54.0	1
PROTEIN		%		8.4	1
CATTLE	DIG PROT	% *		5.0	
GOATS	DIG PROT	% *		4.4	
HORSES	DIG PROT	% *		4.7	
RABBITS	DIG PROT	% *		5.2	
SHEEP	DIG PROT	% *		4.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.78	
SHEEP	DE	MCAL/KG *		2.72	
CATTLE	ME	MCAL/KG *		2.28	
SHEEP	ME	MCAL/KG *		2.23	
CATTLE	NE-M	MCAL/KG *		1.36	
CATTLE	NE-GAIN	MCAL/KG *		0.76	
CATTLE	NE-LACTATION	MCAL/KG *		1.45	
CATTLE	TDN	% *		63.0	
SHEEP	TDN	% *		61.8	
SETARIA ITALICA FOXTAIL, AERIAL PART, ENSILED, (3)					
REF NO 3-13-431					
DRY MATTER		%	22.5	100.0	2
OM IN VITRO (TILLY)	DIG COEF	%	29.	29.	2
PROTEIN		%	2.4	10.7	2
CATTLE	DIG PROT	% *	1.3	5.9	
GOATS	DIG PROT	% *	1.3	5.9	
HORSES	DIG PROT	% *	1.3	5.9	
SHEEP	DIG PROT	% *	1.3	5.9	
FIBER, ACID DETERGENT (VS)		%	9.0	39.9	2
SETARIA LEIANTHA, BRISTLEGRASS, LEIANTHA					
SETARIA LEIANTHA LEIANTHA, AERIAL PART, FRESH, (2)					
REF NO 2-11-524					
DRY MATTER		%	58.3	100.0	1
ORGANIC MATTER		%	47.0	80.6	
ASH		%	11.3	19.4	1
CRUDE FIBER		%	20.3	34.9	1
ETHER EXTRACT		%	0.7	1.2	1
NITROGEN FREE EXTRACT		%	20.6	35.4	1
PROTEIN		%	5.3	9.1	1
CATTLE	DIG PROT	% *	3.3	5.6	
GOATS	DIG PROT	% *	2.9	5.1	
HORSES	DIG PROT	% *	3.1	5.3	
RABBITS	DIG PROT	% *	3.3	5.7	
SHEEP	DIG PROT	% *	3.2	5.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.53	2.63	
SHEEP	DE	MCAL/KG *	1.30	2.24	
CATTLE	ME	MCAL/KG *	1.26	2.16	
SHEEP	ME	MCAL/KG *	1.07	1.83	
CATTLE	NE-M	MCAL/KG *	0.74	1.28	
CATTLE	NE-GAIN	MCAL/KG *	0.38	0.65	
CATTLE	NE-LACTATION	MCAL/KG *	0.78	1.34	
CATTLE	TDN	% *	34.8	59.7	
SHEEP	TDN	% *	29.6	50.7	
SETARIA LEUCAPILA, BRISTLEGRASS, LEUCAPILA					
SETARIA LEUCAPILA LEUCAPILA, MAY, S-C, (1)					
REF NO 1-13-487					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.5	
ASH		%		12.5	1
CRUDE FIBER		%		34.4	1
ETHER EXTRACT		%		0.8	1
NITROGEN FREE EXTRACT		%		44.8	1
PROTEIN		%		7.5	1
CATTLE	DIG PROT	% *		3.4	
GOATS	DIG PROT	% *		3.6	
HORSES	DIG PROT	% *		3.9	
RABBITS	DIG PROT	% *		4.5	
SHEEP	DIG PROT	% *		3.3	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.08	
HORSES	DE	MCAL/KG *		1.56	
SHEEP	DE	MCAL/KG *		2.15	
CATTLE	ME	MCAL/KG *		1.70	
HORSES	ME	MCAL/KG *		1.27	
SHEEP	ME	MCAL/KG *		1.76	
CATTLE	NE-M	MCAL/KG *		1.01	
CATTLE	NE-GAIN	MCAL/KG *		0.15	
CATTLE	NE-LACTATION	MCAL/KG *		0.91	
CATTLE	TDN	% *		47.1	
HORSES	TDN	% *		37.6	
SHEEP	TDN	% *		48.7	
SETARIA MACROSTACHYA, BRISTLEGRASS, PLAINS					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SETARIA MACROSTACHYA PLAINS, AERIAL PART, FRESH, STEM CUNED, (2)					
REF NO 2-05-621					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.2		
ASH	%		5.8		1
CRUDE FIBER	%		17.3		1
ETHER EXTRACT	%		1.6		1
NITROGEN FREE EXTRACT	%		68.0		1
PROTEIN	%		7.3		1
CATTLE DIG PROT	% *		4.1		
GOATS DIG PROT	% *		3.4		
HORSES DIG PROT	% *		3.7		
RABBITS DIG PROT	% *		4.3		
SHEEP DIG PROT	% *		3.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		3.57		
SHEEP DE	MCAL/KG *		3.24		
CATTLE ME	MCAL/KG *		2.93		
SHEEP ME	MCAL/KG *		2.66		
CATTLE NE-M	MCAL/KG *		1.89		
CATTLE NE-GAIN	MCAL/KG *		1.26		
CATTLE NE-LACTATION	MCAL/KG *		2.07		
CATTLE TDN	% *		80.9		
SHEEP TDN	% *		73.6		
SETARIA NUNDI, BRISTLEGRASS, NUNDI					
SETARIA NUNDI NUNDI, AERIAL PART, FRESH, (2)					
REF NO 2-10-792					
DRY MATTER	%	29.4	100.0		1
ORGANIC MATTER	%	27.1	92.2		
ASH	%	2.3	7.8		1
CRUDE FIBER	%	10.9	37.1		1
ETHER EXTRACT	%	0.5	1.7		1
NITROGEN FREE EXTRACT	%	13.9	47.3		1
PROTEIN	%	1.8	6.1		1
CATTLE DIG PROT	% *	0.9	3.1		
GOATS DIG PROT	% *	0.7	2.3		
HORSES DIG PROT	% *	0.8	2.7		
RABBITS DIG PROT	% *	1.0	3.4		
SHEEP DIG PROT	% *	0.8	2.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.64	2.19		
SHEEP DE	MCAL/KG *	0.72	2.45		
CATTLE ME	MCAL/KG *	0.53	1.80		
SHEEP ME	MCAL/KG *	0.59	2.01		
CATTLE NE-M	MCAL/KG *	0.31	1.06		
CATTLE NE-GAIN	MCAL/KG *	0.08	0.27		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.00		
CATTLE TDN	% *	14.6	49.7		
SHEEP TDN	% *	16.3	55.5		
SETARIA POINETIANA, PALMGRASS, POIRET					
SETARIA POINETIANA POIRET, AERIAL PART, FRESH, (2)					
REF NO 2-10-427					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.7		
ASH	%		9.3		3
CRUDE FIBER	%		29.5		3
ETHER EXTRACT	%		1.6		3
NITROGEN FREE EXTRACT	%		44.5		3
PROTEIN	%		15.1		3
CATTLE DIG PROT	% *		10.7		
GOATS DIG PROT	% *		10.6		
HORSES DIG PROT	% *		10.3		
RABBITS DIG PROT	% *		10.3		
SHEEP DIG PROT	% *		11.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.70		
SHEEP DE	MCAL/KG *		2.87		
CATTLE ME	MCAL/KG *		2.21		
SHEEP ME	MCAL/KG *		2.19		
CATTLE NE-M	MCAL/KG *		1.31		
CATTLE NE-GAIN	MCAL/KG *		0.70		
CATTLE NE-LACTATION	MCAL/KG *		1.39		
CATTLE TDN	% *		61.2		
SHEEP TDN	% *		60.5		
SETARIA SCANDENS, BRISTLEGRASS, SCANDENS					
SETARIA SCANDENS SCANDENS, AERIAL PART, DEHY GRND, (1)					
REF NO 1-10-791					
DRY MATTER	%	88.7	100.0		1
ORGANIC MATTER	%	76.0	85.7		1
ASH	%	12.7	14.3		1
CRUDE FIBER	%	28.2	31.8		1
ETHER EXTRACT	%	2.7	3.0		1
NITROGEN FREE EXTRACT	%	40.0	45.1		1
PROTEIN	%	5.1	5.7		1
CATTLE DIG PROT	% *	1.7	1.9		
GOATS DIG PROT	% *	1.7	1.9		
HORSES DIG PROT	% *	2.1	2.4		
RABBITS DIG PROT	% *	2.8	3.1		
SHEEP DIG PROT	% *	1.5	1.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.90	2.15		
HORSES DE	MCAL/KG *	1.78	2.00		
SHEEP DE	MCAL/KG *	1.85	2.09		
CATTLE ME	MCAL/KG *	1.56	1.76		
HORSES ME	MCAL/KG *	1.46	1.64		
SHEEP ME	MCAL/KG *	1.52	1.71		
CATTLE NE-M	MCAL/KG *	0.93	1.04		
CATTLE NE-GAIN	MCAL/KG *	0.20	0.22		
CATTLE NE-LACTATION	MCAL/KG *	0.85	0.96		
CATTLE TDN	% *	43.2	48.7		
HORSES TDN	% *	44.5	50.2		
SHEEP TDN	% *	42.0	47.4		
VITAMIN A EQUIV	IU/G	68.8	77.6		
SETARIA SPHACELATA, BRISTLEGRASS, SPHACELATA					
SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, (2)					
REF NO 2-11-528					
DRY MATTER	%	17.0	100.0	10	7
PROTEIN	%	0.9	5.3	17	7
CATTLE DIG PROT	% *	0.4	2.4		
GOATS DIG PROT	% *	0.3	1.6		
HORSES DIG PROT	% *	0.4	2.1		
RABBITS DIG PROT	% *	0.5	2.8		
SHEEP DIG PROT	% *	0.3	2.0		
SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)					
REF NO 2-11-258					
DRY MATTER	%	11.0	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	77.	77.		1
ORGANIC MATTER	%	9.6	87.3		1
ASH	%	1.4	12.7		1
CRUDE FIBER	%	3.4	31.1		1
ETHER EXTRACT	%	0.5	4.4		1
NITROGEN FREE EXTRACT	%	3.8	34.6		1
PROTEIN	%	1.9	17.2		2
CATTLE DIG PROT	% *	1.4	12.5		
GOATS DIG PROT	% *	1.4	12.6		
HORSES DIG PROT	% *	1.3	12.2		
RABBITS DIG PROT	% *	1.3	12.0		
SHEEP DIG PROT	% *	1.4	13.1		
CELL WALLS (VAN SOEST)	%	6.3	57.5		1
CELLULOSE (VAN SOEST)	%	3.0	26.9		1
FIBER, ACID DETERGENT (VS)	%	3.9	35.5		1
HEMICELLULOSE	%	2.4	22.0		1
LIGNIN KMNO4 (VS)	%	0.7	6.0		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.26	2.36		
SHEEP DE	MCAL/KG *	0.30	2.76		
CATTLE ME	MCAL/KG *	0.21	1.94		
SHEEP ME	MCAL/KG *	0.25	2.27		
CATTLE NE-M	MCAL/KG *	0.13	1.14		
CATTLE NE-GAIN	MCAL/KG *	0.05	0.42		
CATTLE NE-LACTATION	MCAL/KG *	0.12	1.13		
CATTLE TDN	% *	5.9	53.6		
SHEEP TDN	% *	6.9	62.7		
ACID INSOLUBLE ASH (SILICA)	%	0.26	2.40		1
SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-11-530					
DRY MATTER	%	15.8	100.0	13	31
DM IN VITRO (TILLY) DIG COEF	%	71.	71.		1
ORGANIC MATTER	%	13.9	84.9	18	27
ASH	%	2.3	15.1	18	27
CRUDE FIBER	%	4.3	27.6	7	31
ETHER EXTRACT	%	0.7	4.3	38	31
NITROGEN FREE EXTRACT	%	6.3	40.9	8	27
PROTEIN	%	1.8	12.1	18	38

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT	% *	1.3	8.2		
GOATS	DIG PROT	% *	1.2	7.9		
HORSES	DIG PROT	% *	1.2	7.8		
RABBITS	DIG PROT	% *	1.2	8.0		
SHEEP	DIG PROT	% *	1.3	8.3		
CELL WALLS (VAN SOEST)		%	10.4	68.1		1
CELLULOSE (VAN SOEST)		%	4.7	31.0		1
FIBER, ACID DETERGENT (VS)		%	6.4	42.3		1
HEMICELLULOSE		%	3.9	25.8		1
LIGNIN KMNO4 (VS)		%	1.3	8.7		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.38	2.52		
SHEEP	DE MCAL/KG	*	0.40	2.60		
CATTLE	ME MCAL/KG	*	0.32	2.07		
SHEEP	ME MCAL/KG	*	0.33	2.14		
CATTLE	NE-M MCAL/KG	*	0.19	1.22		
CATTLE	NE-GAIN MCAL/KG	*	0.09	0.56		
CATTLE	NE-LACTATION MCAL/KG	*	0.19	1.26		
CATTLE	TDN	% *	8.7	57.3		
SHEEP	TDN	% *	9.0	59.1		
ACID INSOLUBLE ASH (SILICA)		%	0.35	2.30		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-11-273

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.1	100.0	14	19
DM IN VITRO (TILLY)	DIG COEF	%	72.	72.		1
ORGANIC MATTER		%	15.7	86.8	8	16
ASH		%	2.4	13.2	8	16
CRUDE FIBER		%	5.5	30.2	8	19
ETHER EXTRACT		%	0.7	4.0	26	18
NITROGEN FREE EXTRACT		%	7.8	43.0	23	17
PROTEIN		%	1.7	9.6	17	20
CATTLE	DIG PROT	% *	1.1	6.0		
GOATS	DIG PROT	% *	1.0	5.5		
HORSES	DIG PROT	% *	1.0	5.7		
RABBITS	DIG PROT	% *	1.1	6.1		
SHEEP	DIG PROT	% *	1.1	5.9		
CELL WALLS (VAN SOEST)		%	11.3	62.6		2
CELLULOSE (VAN SOEST)		%	5.7	31.5		1
FIBER, ACID DETERGENT (VS)		%	7.1	39.4		1
HEMICELLULOSE		%	5.1	28.1		1
LIGNIN KMNO4 (VS)		%	1.0	5.8		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.45	2.50		
SHEEP	DE MCAL/KG	*	0.46	2.55		
CATTLE	ME MCAL/KG	*	0.37	2.05		
SHEEP	ME MCAL/KG	*	0.38	2.09		
CATTLE	NE-M MCAL/KG	*	0.22	1.21		
CATTLE	NE-GAIN MCAL/KG	*	0.10	0.54		
CATTLE	NE-LACTATION MCAL/KG	*	0.22	1.23		
CATTLE	TDN	% *	10.2	56.6		
SHEEP	TDN	% *	10.5	57.9		
ACID INSOLUBLE ASH (SILICA)		%	0.29	1.60		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)

REF NO 2-11-281

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.8	100.0	9	15
DM IN VITRO (TILLY)	DIG COEF	%	66.	66.		1
ORGANIC MATTER		%	15.6	87.9	10	13
ASH		%	2.1	12.1	10	13
CRUDE FIBER		%	6.0	33.5	12	15
ETHER EXTRACT		%	0.6	3.4	24	15
NITROGEN FREE EXTRACT		%	7.7	43.2	11	13
PROTEIN		%	1.4	7.9	10	16
CATTLE	DIG PROT	% *	0.8	4.6		
GOATS	DIG PROT	% *	0.7	3.9		
HORSES	DIG PROT	% *	0.8	4.2		
RABBITS	DIG PROT	% *	0.8	4.8		
SHEEP	DIG PROT	% *	0.8	4.3		
CELL WALLS (VAN SOEST)		%	12.6	70.6		1
CELLULOSE (VAN SOEST)		%	5.5	31.1		1
FIBER, ACID DETERGENT (VS)		%	7.3	41.1		1
HEMICELLULOSE		%	5.3	29.5		1
LIGNIN KMNO4 (VS)		%	1.4	8.0		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.40	2.26		
SHEEP	DE MCAL/KG	*	0.44	2.50		
CATTLE	ME MCAL/KG	*	0.33	1.65		
SHEEP	ME MCAL/KG	*	0.36	2.05		
CATTLE	NE-M MCAL/KG	*	0.19	1.09		
CATTLE	NE-GAIN MCAL/KG	*	0.06	0.33		
CATTLE	NE-LACTATION MCAL/KG	*	0.19	1.05		
CATTLE	TDN	% *	9.1	51.3		
SHEEP	TDN	% *	10.1	56.8		
ACID INSOLUBLE ASH (SILICA)		%	0.30	1.70		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-843

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		61.		1
PROTEIN		%		5.8		1
CATTLE	DIG PROT	% *		2.8		
GOATS	DIG PROT	% *		2.0		
HORSES	DIG PROT	% *		2.5		
RABBITS	DIG PROT	% *		3.1		
SHEEP	DIG PROT	% *		2.4		
CELL WALLS (VAN SOEST)		%		73.1		1
CELLULOSE (VAN SOEST)		%		34.8		1
FIBER, ACID DETERGENT (VS)		%		44.4		1
HEMICELLULOSE		%		28.7		1
LIGNIN KMNO4 (VS)		%		7.7		1
ACID INSOLUBLE ASH (SILICA)		%		1.80		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-844

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		57.		1
PROTEIN		%		5.0		1
CATTLE	DIG PROT	% *		2.1		
GOATS	DIG PROT	% *		1.2		
HORSES	DIG PROT	% *		1.8		
RABBITS	DIG PROT	% *		2.5		
SHEEP	DIG PROT	% *		1.7		
CELL WALLS (VAN SOEST)		%		73.0		1
CELLULOSE (VAN SOEST)		%		33.2		1
FIBER, ACID DETERGENT (VS)		%		43.1		1
HEMICELLULOSE		%		29.9		1
LIGNIN KMNO4 (VS)		%		7.4		1
ACID INSOLUBLE ASH (SILICA)		%		2.00		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-845

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		52.		1
PROTEIN		%		4.9		1
CATTLE	DIG PROT	% *		2.1		
GOATS	DIG PROT	% *		1.1		
HORSES	DIG PROT	% *		1.7		
RABBITS	DIG PROT	% *		2.5		
SHEEP	DIG PROT	% *		1.6		
CELL WALLS (VAN SOEST)		%		75.1		1
CELLULOSE (VAN SOEST)		%		35.0		1
FIBER, ACID DETERGENT (VS)		%		46.4		1
HEMICELLULOSE		%		28.7		1
LIGNIN KMNO4 (VS)		%		9.0		1
ACID INSOLUBLE ASH (SILICA)		%		2.40		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-846

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		51.		1
PROTEIN		%		4.7		1
CATTLE	DIG PROT	% *		1.9		
GOATS	DIG PROT	% *		0.9		
HORSES	DIG PROT	% *		1.5		
RABBITS	DIG PROT	% *		2.3		
SHEEP	DIG PROT	% *		1.4		
CELL WALLS (VAN SOEST)		%		74.5		1
CELLULOSE (VAN SOEST)		%		33.7		1
FIBER, ACID DETERGENT (VS)		%		44.8		1
HEMICELLULOSE		%		29.7		1
LIGNIN KMNO4 (VS)		%		9.0		1
ACID INSOLUBLE ASH (SILICA)		%		2.10		1

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)

REF NO 2-11-289

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	21.0	100.0		2
ORGANIC MATTER		%	18.6	88.7		2
ASH		%	2.4	11.3		2
CRUDE FIBER		%	8.3	39.3		2
ETHER EXTRACT		%	0.6	2.8		2
NITROGEN FREE EXTRACT		%	8.7	41.4		2
PROTEIN		%	1.1	5.3		2
CATTLE	DIG PROT	% *	0.5	2.4		
GOATS	DIG PROT	% *	0.3	1.5		
HORSES	DIG PROT	% *	0.4	2.0		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *	0.6	2.7		
SHEEP	DIG PROT	% *	0.4	1.9		
ENERGY		GE KCAL/KG				
CATTLE	DE	MCAL/KG *	0.40	1.90		
SHEEP	DE	MCAL/KG *	0.50	2.39		
CATTLE	ME	MCAL/KG *	0.33	1.56		
SHEEP	ME	MCAL/KG *	0.41	1.96		
CATTLE	NE-M	MCAL/KG *	0.20	0.94		
CATTLE	NE-GAIN	MCAL/KG *	-0.01	-0.03		
CATTLE	NE-LACTATION	MCAL/KG *	0.16	0.77		
CATTLE		TDN % *	9.0	43.0		
SHEEP		TDN % *	11.4	54.2		

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-10-796

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	12.7	100.0		3
ORGANIC MATTER		%	11.1	87.7		
ASH		%	1.6	12.3		3
CRUDE FIBER		%	4.1	32.3		3
ETHER EXTRACT		%	0.4	2.9		3
NITROGEN FREE EXTRACT		%	4.8	37.9		3
PROTEIN		%	1.8	14.5		3
CATTLE	DIG PROT	% *	1.3	10.2		
GOATS	DIG PROT	% *	1.3	10.1		
HORSES	DIG PROT	% *	1.3	9.9		
RABBITS	DIG PROT	% *	1.3	9.9		
SHEEP	DIG PROT	% *	1.3	10.5		
ENERGY		GE KCAL/KG				
CATTLE	DE	MCAL/KG *	0.31	2.41		
SHEEP	DE	MCAL/KG *	0.33	2.61		
CATTLE	ME	MCAL/KG *	0.25	1.98		
SHEEP	ME	MCAL/KG *	0.27	2.14		
CATTLE	NE-M	MCAL/KG *	0.15	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	0.15	1.17		
CATTLE		TDN % *	7.0	54.8		
SHEEP		TDN % *	7.5	59.3		
CALCIUM		%	0.06	0.46		2
COPPER		MG/KG	2.6	20.5		2
IRON		%	0.006	0.044		2
MAGNESIUM		%	0.03	0.22		2
MANGANESE		MG/KG	7.9	62.0		2
PHOSPHORUS		%	0.03	0.25		2
POTASSIUM		%	0.29	2.30		2
SODIUM		%	0.01	0.10		2

SETARIA SPHACELATA SPHACELATA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-795

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.4	100.0		1
ORGANIC MATTER		%	15.8	90.6		
ASH		%	1.6	9.4		1
CRUDE FIBER		%	6.3	36.1		1
ETHER EXTRACT		%	0.4	2.2		1
NITROGEN FREE EXTRACT		%	7.6	43.7		1
PROTEIN		%	1.5	8.6		1
CATTLE	DIG PROT	% *	0.9	5.2		
GOATS	DIG PROT	% *	0.8	4.6		
HORSES	DIG PROT	% *	0.8	4.8		
RABBITS	DIG PROT	% *	0.9	5.3		
SHEEP	DIG PROT	% *	0.9	5.0		
ENERGY		GE KCAL/KG				
CATTLE	DE	MCAL/KG *	0.39	2.27		
SHEEP	DE	MCAL/KG *	0.43	2.50		
CATTLE	ME	MCAL/KG *	0.32	1.86		
SHEEP	ME	MCAL/KG *	0.36	2.05		
CATTLE	NE-M	MCAL/KG *	0.19	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.34		
CATTLE	NE-LACTATION	MCAL/KG *	0.18	1.06		
CATTLE		TDN % *	9.0	51.4		
SHEEP		TDN % *	9.9	56.6		
CALCIUM		%	0.05	0.30		1
COPPER		MG/KG	2.1	12.1		1
IRON		%	0.004	0.025		1
MAGNESIUM		%	0.51	2.94		1
MANGANESE		MG/KG	20.9	120.0		1
PHOSPHORUS		%	0.02	0.13		1
POTASSIUM		%	0.02	0.11		1
SODIUM		%	0.01	0.07		1

SETARIA SPLENDIDA, BRISTLEGRASS, SPLENDIDA

SETARIA SPLENDIDA SPLENDIDA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-794

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	12.1	100.0		1
ORGANIC MATTER		%	10.6	87.4		
ASH		%	1.5	12.6		1
CRUDE FIBER		%	4.0	32.7		1
ETHER EXTRACT		%	0.4	3.2		1
NITROGEN FREE EXTRACT		%	4.2	34.7		1
PROTEIN		%	2.0	16.8		1
CATTLE	DIG PROT	% *	1.5	12.2		
GOATS	DIG PROT	% *	1.5	12.2		
HORSES	DIG PROT	% *	1.4	11.8		
RABBITS	DIG PROT	% *	1.4	11.6		
SHEEP	DIG PROT	% *	1.5	12.6		
ENERGY		GE KCAL/KG				
CATTLE	DE	MCAL/KG *	0.29	2.39		
SHEEP	DE	MCAL/KG *	0.32	2.66		
CATTLE	ME	MCAL/KG *	0.24	1.96		
SHEEP	ME	MCAL/KG *	0.26	2.18		
CATTLE	NE-M	MCAL/KG *	0.14	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.44		
CATTLE	NE-LACTATION	MCAL/KG *	0.14	1.15		
CATTLE		TDN % *	6.6	54.2		
SHEEP		TDN % *	7.3	60.4		
CALCIUM		%	0.05	0.44		1
COPPER		MG/KG	4.4	36.0		1
IRON		%	0.006	0.048		1
MAGNESIUM		%	0.26	2.11		1
MANGANESE		MG/KG	17.7	145.9		1
PHOSPHORUS		%	0.05	0.38		1
POTASSIUM		%	0.02	0.18		1
SODIUM		%	0.02	0.14		1

SETARIA SPP, BRISTLEGRASS

SETARIA SPP, AERIAL PART, FRESH, (2)

REF NO 2-00-876

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.9		
ASH		%		11.1		3
CRUDE FIBER		%		20.8		3
ETHER EXTRACT		%		2.5		3
NITROGEN FREE EXTRACT		%		61.7		3
PROTEIN		%		3.9		3
CATTLE	DIG PROT	% *		1.2		
GOATS	DIG PROT	% *		0.2		
HORSES	DIG PROT	% *		0.8		
RABBITS	DIG PROT	% *		1.7		
SHEEP	DIG PROT	% *		0.6		
ENERGY		GE KCAL/KG				
CATTLE	DE	MCAL/KG *		3.23		
SHEEP	DE	MCAL/KG *		2.85		
CATTLE	ME	MCAL/KG *		2.65		
SHEEP	ME	MCAL/KG *		2.34		
CATTLE	NE-M	MCAL/KG *		1.64		
CATTLE	NE-GAIN	MCAL/KG *		1.07		
CATTLE	NE-LACTATION	MCAL/KG *		1.81		
CATTLE		TDN % *		73.2		
SHEEP		TDN % *		64.6		
CALCIUM		%		0.31		1
COBALT		MG/KG		0.030		1
PHOSPHORUS		%		0.10		1

SETARIA SPP, LEAVES, FRESH, (2)

REF NO 2-11-026

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		85.0		
ASH		%		15.0	17	7
CRUDE FIBER		%		29.0	22	7
ETHER EXTRACT		%		2.5	27	7
NITROGEN FREE EXTRACT		%		44.5	11	7
PROTEIN		%		9.0	28	7
CATTLE	DIG PROT	% *		5.6		
GOATS	DIG PROT	% *		5.0		
HORSES	DIG PROT	% *		5.2		
RABBITS	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		5.4		
ENERGY		GE KCAL/KG				
CATTLE	DE	MCAL/KG *		2.37		
SHEEP	DE	MCAL/KG *		2.90		
CATTLE	ME	MCAL/KG *		1.94		
SHEEP	ME	MCAL/KG *		2.05		
CATTLE	NE-M	MCAL/KG *		1.15		
CATTLE	NE-GAIN	MCAL/KG *		0.43		
CATTLE	NE-LACTATION	MCAL/KG *		1.14		
CATTLE		TDN % *		53.8		
SHEEP		TDN % *		56.7		
CALCIUM		%		0.80	42	7
PHOSPHORUS		%		(0.39)	43	7

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SETARIA SPP, MILLET					
SETARIA SPP, GRAIN, (4)					
REF NO 4-03-098					
DRY MATTER		%	(89.9)	(100.0)	7
ORGANIC MATTER		%	86.9	96.7	
ASH		%	2.9	3.3	3
SHEEP	DIG COEF	%	39.	39.	
CRUDE FIBER		%	6.4	7.2	3
SHEEP	DIG COEF	%	38.	38.	1
ETHER EXTRACT		%	4.0	4.5	3
SHEEP	DIG COEF	%	56.	56.	1
NITROGEN FREE EXTRACT		%	64.3	71.6	3
SHEEP	DIG COEF	%	65.	65.	1
PROTEIN		%	12.2	13.5	3
SHEEP	DIG COEF	%	50.	50.	1
CATTLE	DIG PROT	% •	7.6	8.4	
GOATS	DIG PROT	% •	8.7	9.6	
HORSES	DIG PROT	% •	8.7	9.6	
SHEEP	DIG PROT	%	(6.1)	(6.8)	
PENTOSANS		%	(6.5)	(7.2)	1
STARCH		%	46.5	51.8	1
ENERGY	DE	KCAL/KG			
CATTLE	DE	MCAL/KG •	3.06	3.41	
SHEEP	DE	MCAL/KG •	2.44	2.72	
SWINE	DE	KCAL/KG •	3245.	3611.	
CATTLE	ME	MCAL/KG •	2.51	2.79	
SHEEP	ME	MCAL/KG •	2.00	2.23	
SWINE	ME	KCAL/KG •	3027.	3368.	
CATTLE	NE-M	MCAL/KG •	1.59	1.77	
CATTLE	NE-GAIN	MCAL/KG •	1.05	1.17	
CATTLE	NE-LACTATION	MCAL/KG •	1.75	1.95	
CATTLE	TDN	% •	69.5	77.3	
SHEEP	TDN	%	55.4	61.6	1
SWINE	TDN	% •	(73.6)	(81.9)	
CALCIUM		%	(0.05)	(0.06)	1
CHLORINE		%	(0.14)	(0.16)	1
COBALT		MG/KG	(0.020)	(0.022)	1
COPPER		MG/KG	(9.8)	(10.9)	1
IRON		%	(0.004)	(0.005)	1
MAGNESIUM		%	(0.16)	(0.18)	1
MANGANESE		MG/KG	(13.2)	(14.7)	1
PHOSPHORUS		%	(0.28)	(0.31)	1
POTASSIUM		%	(0.43)	(0.48)	1
SODIUM		%	(0.04)	(0.04)	1
SULPHUR		%	(0.13)	(0.14)	1
ZINC		%	(6.3)	(7.0)	1
CHOLINE		MG/KG	(358.)	(398.)	1
NIACIN		MG/KG	(23.8)	(26.5)	1
PANTOTHENIC ACID		MG/KG	(3.3)	(3.7)	1
RIBOFLAVIN		MG/KG	(0.7)	(0.8)	1
THIAMINE		MG/KG	3.0	3.3	1

SHORTS, MX 8% FIBER (CFA)
-SEE TRITICUM SPP, FLOUR BY-PRODUCT,
COARSE SIFTED, MX 7% FIBER, (4)

SHRIMP MEAL (AAFCO)
-SEE PANDALUS SPP, PENAEUS SPP,
PROCESS RESIDUE, DEHY GRND, SALT
DECLARED ABOVE 3% MX 7%, (5)

SIDA CORDIFOLIA, SIDA, WHITE

SIDA CORDIFOLIA WHITE, AERIAL PART, FRESH, (2)

REF NO 2-10-893

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.8	
ASH		%		5.2	1
CRUDE FIBER		%		65.4	1
ETHER EXTRACT		%		2.6	1
NITROGEN FREE EXTRACT		%		15.8	1
PROTEIN		%		11.0	1
CATTLE	DIG PROT	% •		7.2	
GOATS	DIG PROT	% •		8.8	
HORSES	DIG PROT	% •		8.9	
RABBITS	DIG PROT	% •		7.2	
SHEEP	DIG PROT	% •		7.2	

SIDA GLABRA

SIDA GLABRA GLABRA, AERIAL PART, FRESH, (2)

REF NO 2-11-735

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	38.0	100.0	2
ORGANIC MATTER		%	34.5	91.0	2
ASH		%	3.4	9.0	2
CRUDE FIBER		%	17.5	46.2	2
ETHER EXTRACT		%	0.6	1.7	2
NITROGEN FREE EXTRACT		%	11.9	31.4	2
PROTEIN		%	4.5	11.8	2
CATTLE	DIG PROT	% •	3.0	7.9	
GOATS	DIG PROT	% •	2.9	7.5	
HORSES	DIG PROT	% •	2.9	7.5	
RABBITS	DIG PROT	% •	2.9	7.7	
SHEEP	DIG PROT	% •	3.0	7.9	

SIDA HASTATA, SIDA, SPEARLEAF

SIDA HASTATA SPEARLEAF, AERIAL PART, FRESH,
EARLY BLOOM, (2)

REF NO 2-10-895

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	28.0	100.0	1
ORGANIC MATTER		%	24.6	88.0	
ASH		%	3.4	12.0	1
CRUDE FIBER		%	5.9	20.9	1
ETHER EXTRACT		%	0.8	2.9	1
NITROGEN FREE EXTRACT		%	14.1	50.4	1
PROTEIN		%	3.9	13.8	1
CATTLE	DIG PROT	% •	2.7	9.6	
GOATS	DIG PROT	% •	2.6	9.4	
HORSES	DIG PROT	% •	2.6	9.2	
RABBITS	DIG PROT	% •	2.6	9.3	
SHEEP	DIG PROT	% •	2.8	9.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG •	0.85	3.05	
SHEEP	DE	MCAL/KG •	0.80	2.84	
CATTLE	ME	MCAL/KG •	0.70	2.50	
SHEEP	ME	MCAL/KG •	0.65	2.33	
CATTLE	NE-M	MCAL/KG •	0.43	1.52	
CATTLE	NE-GAIN	MCAL/KG •	0.27	0.95	
CATTLE	NE-LACTATION	MCAL/KG •	0.47	1.67	
CATTLE	TDN	% •	19.4	69.1	
SHEEP	TDN	% •	18.1	64.5	

SIDA RHOMBIFOLIA, SIDA, BROOMJUTE

SIDA RHOMBIFOLIA BROOMJUTE, AERIAL PART,
FRESH, EARLY BLOOM, (2)

REF NO 2-10-894

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	37.8	100.0	1
ORGANIC MATTER		%	34.0	90.0	
ASH		%	3.8	10.0	1
CRUDE FIBER		%	8.4	22.1	1
ETHER EXTRACT		%	1.0	2.6	1
NITROGEN FREE EXTRACT		%	20.8	55.0	1
PROTEIN		%	3.9	10.3	1
CATTLE	DIG PROT	% •	2.5	6.6	
GOATS	DIG PROT	% •	2.3	6.2	
HORSES	DIG PROT	% •	2.4	6.3	
RABBITS	DIG PROT	% •	2.5	6.6	
SHEEP	DIG PROT	% •	2.5	6.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG •	1.18	3.12	
SHEEP	DE	MCAL/KG •	1.08	2.85	
CATTLE	ME	MCAL/KG •	0.97	2.56	
SHEEP	ME	MCAL/KG •	0.88	2.34	
CATTLE	NE-M	MCAL/KG •	0.59	1.57	
CATTLE	NE-GAIN	MCAL/KG •	0.38	1.00	
CATTLE	NE-LACTATION	MCAL/KG •	0.65	1.72	
CATTLE	TDN	% •	26.8	70.8	
SHEEP	TDN	% •	24.5	64.7	

SIDA SPP, SIDA

SIDA SPP, AERIAL PART, FRESH, (2)

REF NO 2-10-892

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		94.9	
ASH		%		5.1	1
CRUDE FIBER		%		70.6	1
ETHER EXTRACT		%		4.1	1
NITROGEN FREE EXTRACT		%		15.6	1
PROTEIN		%		4.5	1
CATTLE	DIG PROT	% •		1.7	
GOATS	DIG PROT	% •		0.8	
HORSES	DIG PROT	% •		1.4	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *		2.1		
SHEEP	DIG PROT	% *		1.2		

SIDEROXYLON TEMPISQUE, JUNGLEPLUM, TEMPISQUE

SIDEROXYLON TEMPISQUE TEMPISQUE, SEEDS, (4)

REF NO 4-11-729

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	38.7	100.0		1
ORGANIC MATTER		%	37.8	97.7		1
ASH		%	0.9	2.3		1
CRUDE FIBER		%	2.0	5.2		1
ETHER EXTRACT		%	1.2	3.1		1
NITROGEN FREE EXTRACT		%	32.3	83.5		1
PROTEIN		%	2.3	5.9		1
CATTLE	DIG PROT	% *	0.6	1.5		
GOATS	DIG PROT	% *	1.0	2.7		
HORSES	DIG PROT	% *	1.0	2.7		
SHEEP	DIG PROT	% *	1.0	2.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.27	3.29		
SHEEP	DE	MCAL/KG *	1.45	3.74		
SWINE	DE	KCAL/KG *	1458.	3767.		
CATTLE	ME	MCAL/KG *	1.04	2.70		
SHEEP	ME	MCAL/KG *	1.19	3.07		
SWINE	ME	KCAL/KG *	1382.	3571.		
CATTLE	NE-M	MCAL/KG *	0.65	1.68		
CATTLE	NE-GAIN	MCAL/KG *	0.43	1.10		
CATTLE	NE-LACTATION	MCAL/KG *	0.72	1.85		
CATTLE	TDN	% *	28.9	74.6		
SHEEP	TDN	% *	32.8	84.8		
SWINE	TDN	% *	33.1	85.4		
NIACIN		MG/KG	7.5	19.4		1

SKIMMILK, CENTRIFUGAL
-SEL BOS SPP, MILK, SKIMMED CENTRIFUGAL, (5)

SKIMMILK, DRIED
-SEL BOS SPP, MILK, SKIMMED DEHY, MX 8% MOISTURE, (5)

SOLANUM ANDIGENUM, NIGHTSHADE, ANDIGENUM

SOLANUM ANDIGENUM ANDIGENUM, LEAVES W 5% MOLASSES ADDED, ENSILED, (3)

REF NO 3-10-798

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.1	100.0		1
ORGANIC MATTER		%	14.6	85.4		
ASH		%	2.5	14.6		1
CRUDE FIBER		%	3.7	21.6		1
ETHER EXTRACT		%	1.1	6.4		1
NITROGEN FREE EXTRACT		%	8.1	47.4		1
PROTEIN		%	1.7	9.9		1
CATTLE	DIG PROT	% *	0.9	5.3		
GOATS	DIG PROT	% *	0.9	5.3		
HORSES	DIG PROT	% *	0.9	5.3		
SHEEP	DIG PROT	% *	0.9	5.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.43	2.49		
SHEEP	DE	MCAL/KG *	0.46	2.70		
CATTLE	ME	MCAL/KG *	0.35	2.05		
SHEEP	ME	MCAL/KG *	0.38	2.22		
CATTLE	NE-M	MCAL/KG *	0.21	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	0.21	1.23		
CATTLE	TDN	% *	9.7	56.6		
SHEEP	TDN	% *	10.5	61.3		
CALCIUM		%	0.36	2.11		1
IRON		%	0.012	0.070		1
MAGNESIUM		%	0.08	0.47		1
MANGANESE		MG/KG	10.3	60.2		1

SOLANUM ELAEAGNIFOLIUM, NIGHTSHADE, SILVERLEAF

SOLANUM ELAEAGNIFOLIUM SILVERLEAF, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)

REF NO 1-15-402

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
PROTEIN		%		13.7	28	9
CATTLE	DIG PROT	% *		8.8		
GOATS	DIG PROT	% *		9.4		
HORSES	DIG PROT	% *		9.8		
RABBITS	DIG PROT	% *		9.3		
SHEEP	DIG PROT	% *		8.9		
PHOSPHORUS		%		0.19	45	5

SOLANUM MELONGENA, EGG PLANT

SOLANUM MELONGENA, FRUIT, FRESH, (4)

REF NO 4-01-826

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	9.9	100.0		1
ORGANIC MATTER		%	9.5	96.0		
ASH		%	0.4	4.0		1
CRUDE FIBER		%	0.8	8.1		1
ETHER EXTRACT		%	0.2	2.0		1
NITROGEN FREE EXTRACT		%	7.3	73.7		
PROTEIN		%	1.2	12.1		1
CATTLE	DIG PROT	% *	0.7	7.1		
GOATS	DIG PROT	% *	0.8	8.3		
HORSES	DIG PROT	% *	0.8	8.3		
SHEEP	DIG PROT	% *	0.8	8.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.31	3.12		
SHEEP	DE	MCAL/KG *	0.35	3.58		
SWINE	DE	KCAL/KG *	351.	3549.		
CATTLE	ME	MCAL/KG *	0.25	2.55		
SHEEP	ME	MCAL/KG *	0.29	2.94		
SWINE	ME	KCAL/KG *	329.	3320.		
CATTLE	NE-M	MCAL/KG *	0.15	1.56		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.99		
CATTLE	NE-LACTATION	MCAL/KG *	0.17	1.72		
CATTLE	TDN	% *	7.0	70.7		
SHEEP	TDN	% *	8.0	81.2		
SWINE	TDN	% *	8.0	80.5		
CALCIUM		%	0.01	0.10		1
PHOSPHORUS		%	0.02	0.20		1
ASCORBIC ACID		MG/KG	52.5	530.3		1
NIACIN		MG/KG	59.5	601.0		1
RIBOFLAVIN		MG/KG	0.6	6.1		1
THIAMINE		MG/KG	0.6	6.1		1

SOLANUM SISYMBRIFOLIUM, NIGHTSHADE, SISYMBRIFOLIUM

SOLANUM SISYMBRIFOLIUM SISYMBRIFOLIUM, AERIAL PART, FRESH, (2)

REF NO 2-10-776

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
PROTEIN		%		13.7	28	9
CATTLE	DIG PROT	% *		9.6		
GOATS	DIG PROT	% *		9.4		
HORSES	DIG PROT	% *		9.2		
RABBITS	DIG PROT	% *		9.3		
SHEEP	DIG PROT	% *		9.8		
PHOSPHORUS		%		0.18	43	6

SOLANUM TUBEROSUM, POTATO

SOLANUM TUBEROSUM, AERIAL PART, FRESH, (2)

REF NO 2-03-764

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.8		1
ASH		%		9.2		1
CRUDE FIBER		%		18.2		1
ETHER EXTRACT		%		9.1		1
NITROGEN FREE EXTRACT		%		37.0		1
PROTEIN		%		26.5		1
CATTLE	DIG PROT	% *		20.4		
GOATS	DIG PROT	% *		21.3		
HORSES	DIG PROT	% *		20.0		
RABBITS	DIG PROT	% *		19.1		
SHEEP	DIG PROT	% *		21.7		
CALCIUM		%		0.67		1
IRON		%		0.026		1
PHOSPHORUS		%		0.99		1

SOLANUM TUBEROSUM, LEAVES, FRESH, (2)

REF NO 2-11-728

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	13.8	100.0		3
ORGANIC MATTER		%	11.1	80.5		3
ASH		%	2.7	19.5		3
CRUDE FIBER		%	3.6	26.6		3
ETHER EXTRACT		%	0.7	5.4		3
NITROGEN FREE EXTRACT		%	4.8	34.8		3
PROTEIN		%	2.2	15.7		3
CATTLE	DIG PROT	% *	1.5	11.8		
GOATS	DIG PROT	% *	1.5	11.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT	% *	1.5	10.8		
RABBITS	DIG PROT	% *	1.5	10.8		
SHEEP	DIG PROT	% *	1.6	11.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.37	2.66		
SHEEP	ME	MCAL/KG *	0.30	2.18		
SHEEP	TDN	% *	8.3	60.3		
CALCIUM		%	0.10	0.73		3
IRON		%	0.007	0.053		3
PHOSPHORUS		%	(0.20)	(1.47)		3

SOLANUM TUBEROSUM, PEELINGS, (4)

REF NO 4-03-774

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		(100.0)		
ORGANIC MATTER		%		(90.5)		
ASH		%		(9.5)		1
CRUDE FIBER		%		(1.4)		1
ETHER EXTRACT		%		(0.5)		1
NITROGEN FREE EXTRACT		%		(75.7)		1
PROTEIN		%		(12.9)		1
CATTLE	DIG PROT	% *		(7.8)		
GOATS	DIG PROT	% *		(9.0)		
HORSES	DIG PROT	% *		(9.0)		
SHEEP	DIG PROT	% *		(9.0)		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		(3.67)		
SWINE	DE	KCAL/KG *		(3513.)		
SHEEP	ME	MCAL/KG *		(3.01)		
SWINE	ME	KCAL/KG *		(3282.)		
SHEEP	TDN	% *		(83.1)		
SWINE	TDN	% *		79.7		
CALCIUM		%		0.52		1
PHOSPHORUS		%		(1.00)		1

SOLANUM TUBEROSUM, PROCESS RESIDUE W LIME ADDED, DEHY, (4)

REF NO 4-08-491

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(89.7)	(100.0)		1
ORGANIC MATTER		%	87.8	97.9		1
ASH		%	1.9	2.1		1
CRUDE FIBER		%	1.5	1.7		1
ETHER EXTRACT		%	6.8	7.6		1
NITROGEN FREE EXTRACT		%	63.6	70.9		1
PROTEIN		%	15.9	17.7		1
CATTLE	DIG PROT	% *	11.0	12.3		
GOATS	DIG PROT	% *	12.1	13.5		
HORSES	DIG PROT	% *	12.1	13.5		
SHEEP	DIG PROT	% *	12.1	13.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.78	4.22		
SHEEP	DE	MCAL/KG *	3.58	3.99		
SWINE	DE	KCAL/KG *	3545.	3952.		
CATTLE	ME	MCAL/KG *	3.10	3.46		
SHEEP	ME	MCAL/KG *	2.93	3.27		
SWINE	ME	KCAL/KG *	3276.	3652.		
CATTLE	NE-M	MCAL/KG *	2.22	2.48		
CATTLE	NE-GAIN	MCAL/KG *	1.40	1.56		
CATTLE	NE-LACTATION	MCAL/KG *	2.31	2.58		
CATTLE	TDN	% *	85.8	95.6		
SHEEP	TDN	% *	81.1	90.4		
SWINE	TDN	% *	(80.4)	(89.6)		

SOLANUM TUBEROSUM, ROOTS, COOKED, (4)

REF NO 4-03-784

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(24.3)	(100.0)	6	4
ORGANIC MATTER		%	23.0	94.7		
ASH		%	1.3	5.3	24	4
SHEEP	DIG COEF	%	19.	19.		
CRUDE FIBER		%	0.7	3.1		3
SWINE	DIG COEF	%	70.	70.		2
ETHER EXTRACT		%	0.1	0.3		2
NITROGEN FREE EXTRACT		%	19.8	81.8	1	4
CATTLE	DIG COEF	%	80.	80.		1
SHEEP	DIG COEF	%	92.	92.		1
SWINE	DIG COEF	%	98.	98.		2
PROTEIN		%	2.3	9.6		3
SHEEP	DIG COEF	%	43.	43.		1
SWINE	DIG COEF	%	66.	66.		2
CATTLE	DIG PROT	% *	1.2	4.8		
GOATS	DIG PROT	% *	1.5	6.0		
HORSES	DIG PROT	% *	1.5	6.0		
SHEEP	DIG PROT	%	1.0	4.1		
SWINE	DIG PROT	%	1.5	6.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.70	2.87		
SHEEP	DE	MCAL/KG *	0.78	3.22		
SWINE	DE	KCAL/KG *	934.	3853.		
CATTLE	ME	MCAL/KG *	0.57	2.35		
SHEEP	ME	MCAL/KG *	0.64	2.64		
SWINE	ME	KCAL/KG *	879.	3629.		
CATTLE	NE-M	MCAL/KG *	0.34	1.41		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.83		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.53		
CATTLE	TDN	%	15.8	65.1		1
SHEEP	TDN	%	17.7	73.1		1
SWINE	TDN	%	21.2	87.4		2

SOLANUM TUBEROSUM, ROOTS, DEHY, (4)

REF NO 4-10-777

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.7	100.0	6	4
ORGANIC MATTER		%	88.7	96.8	62	1
ASH		%	2.7	3.0	62	4
CRUDE FIBER		%	2.7	3.0	58	4
ETHER EXTRACT		%	0.8	0.8	68	4
NITROGEN FREE EXTRACT		%	80.9	88.3	7	4
PROTEIN		%	4.5	4.9	56	4
CATTLE	DIG PROT	% *	0.5	0.6		
GOATS	DIG PROT	% *	1.6	1.8		
HORSES	DIG PROT	% *	1.6	1.8		
SHEEP	DIG PROT	% *	1.6	1.8		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.48	3.79		
SWINE	DE	KCAL/KG *	3603.	3932.		
SHEEP	ME	MCAL/KG *	2.85	3.11		
SWINE	ME	KCAL/KG *	3423.	3735.		
SHEEP	TDN	% *	78.8	88.0		
SWINE	TDN	% *	81.7	89.2		

SOLANUM TUBEROSUM, ROOTS, DEHY GRND, (4) POTATO MEAL

REF NO 4-07-850

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.3	100.0		3
ORGANIC MATTER		%	(85.0)	(96.3)		
ASH		%	(3.3)	(3.7)	78	4
CRUDE FIBER		%	(1.0)	(1.2)	89	4
ETHER EXTRACT		%	(0.8)	(0.9)	70	4
NITROGEN FREE EXTRACT		%	(75.7)	(85.8)		3
PROTEIN		%	(7.4)	(8.4)	72	4
CATTLE	DIG PROT	% *	(3.3)	(3.8)		
GOATS	DIG PROT	% *	(4.4)	(5.0)		
HORSES	DIG PROT	% *	(4.4)	(5.0)		
SHEEP	DIG PROT	% *	(4.4)	(5.0)		
ENERGY	GE	KCAL/KG				
SWINE	DE	KCAL/KG *	(3373.)	(3820.)		
SWINE	ME	KCAL/KG *	(3180.)	(3602.)		
SWINE	TDN	% *	76.5	86.6		
CALCIUM		%	0.01	0.02		2
IRON		%	0.002	0.002		2
PHOSPHORUS		%	0.03	0.03		2
ASCORBIC ACID		MG/KG	112.4	127.2		2
NIACIN		MG/KG	6.8	7.7		2
RIBOFLAVIN		MG/KG	0.9	1.0		2
THIAMINE		MG/KG	1.1	1.2		2
VITAMIN A		IU/G	(39.7)	(44.9)		1
VITAMIN A EQUIV		IU/G	4.4	5.0		

SOLANUM TUBEROSUM, ROOTS, FRESH, (4)

REF NO 4-03-787

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.2	100.0	20	56
ORGANIC MATTER		%	21.9	94.4		
ASH		%	1.3	5.6	21	61
CRUDE FIBER		%	0.4	1.6	54	61
ETHER EXTRACT		%	0.1	0.4	51	81
NITROGEN FREE EXTRACT		%	18.9	81.2	3	61
PROTEIN		%	2.6	11.1	23	78
CATTLE	DIG PROT	% *	1.5	6.2		
GOATS	DIG PROT	% *	1.7	7.4		
HORSES	DIG PROT	% *	1.7	7.4		
SHEEP	DIG PROT	% *	1.7	7.4		
STARCH		%	17.4	74.8	12	25
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.73	3.16		
SHEEP	DE	MCAL/KG *	0.88	3.77		
SWINE	DE	KCAL/KG *	862.	3711.		
CATTLE	ME	MCAL/KG *	0.60	2.59		
SHEEP	ME	MCAL/KG *	0.72	3.10		
SWINE	ME	KCAL/KG *	808.	3479.		
CATTLE	NE-M	MCAL/KG *	0.37	1.59		
CATTLE	NE-GAIN	MCAL/KG *	0.24	1.02		
CATTLE	NE-LACTATION	MCAL/KG *	0.41	1.75		
CATTLE	TDN	% *	16.6	71.6		
SHEEP	TDN	% *	19.9	85.6		
SWINE	TDN	% *	19.6	84.2		
CALCIUM		%	0.08	0.36	99	14
PHOSPHORUS		%	0.15	0.65	83	14
POTASSIUM		%	0.25	1.06	34	7

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SOLANUM TUBEROSUM, ROOTS NO PEELINGS, COOKED, (4)						
REF NO 4-13-228						
DRY MATTER		%	24.0	100.0	22	7
ORGANIC MATTER		%	23.2	96.8		
ASH		%	0.8	3.2	42	7
CRUDE FIBER		%	0.4	1.9	31	7
ETHER EXTRACT		%	0.1	0.4	24	7
NITROGEN FREE EXTRACT		%	20.2	84.4		
PROTEIN		%	2.4	10.1	27	7
CATTLE	DIG PROT	% *	1.3	5.3		
GOATS	DIG PROT	% *	1.6	6.5		
HORSES	DIG PROT	% *	1.6	6.5		
SHEEP	DIG PROT	% *	1.6	6.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.84	3.49		
SHEEP	DE	MCAL/KG *	0.92	3.84		
SWINE	DE	KCAL/KG *	918.	3832.		
CATTLE	ME	MCAL/KG *	0.69	2.86		
SHEEP	ME	MCAL/KG *	0.75	3.15		
SWINE	ME	KCAL/KG *	863.	3601.		
CATTLE	NE-M	MCAL/KG *	0.44	1.83		
CATTLE	NE-GAIN	MCAL/KG *	0.29	1.22		
CATTLE	NE-LACTATION	MCAL/KG *	0.48	2.01		
CATTLE	TDN	% *	19.0	79.1		
SHEEP	TDN	% *	20.8	87.0		
SWINE	TDN	% *	20.8	86.9		
CALCIUM		%	0.01	0.05	23	5
IRON		%	0.001	0.004	24	7
PHOSPHORUS		%	0.05	0.21	16	6
ASCORBIC ACID		MG/KG	156.0	651.1	22	7
NIACIN		MG/KG	14.1	58.7	32	7
RIBOFLAVIN		MG/KG	0.9	3.8	45	7
THIAMINE		MG/KG	0.9	3.6	33	7

SOLANUM TUBEROSUM, POTATO, WHITE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SOLANUM TUBEROSUM WHITE, ROOTS, FRESH, (4)						
REF NO 4-03-790						
DRY MATTER		%	22.5	100.0		1
STARCH		%	16.6	73.8		1
SOLVENT EXTRACTED LINSEED MEAL (CFA) =SEE LINUM USITATISSIMUM COMMON, SEEDS, SOLV EXTD GRND, MX 10% FIBER, (5)						
SOLVENT EXTRACTED PEANUT MEAL AND HULLS (AAFCO) =SEE ARACHIS HYPOGAEA, KERNELS W SKINS W HULLS, SOLV EXTD GRND, (5)						
SOLVENT EXTRACTED PEANUT MEAL (AAFCO) =SEE ARACHIS HYPOGAEA, KERNELS, SOLV EXTD GRND, MX 7% FIBER, (5)						
SOLVENT EXTRACTED RICE BRAN (AAFCO) =SEE ORYZA SATIVA, BRAN W GERM, SOLV EXTD GRND, MN 14% PROTEIN MX 14% FIBER, (4)						
SOLVENT EXTRACTED SOY FLOUR (AAFCO) =SEE GLYCINE MAX, FLOUR, SOLV EXTD GRND FINE SIFTED, MX 3% FIBER, (5)						
SOLVENT EXTRACTED SOY GRITS (AAFCO) =SEE GLYCINE MAX, FLOUR, SOLV EXTD GRND FINE SIFTED, MX 3% FIBER, (5)						

SORGHUM ALNUM, SORGHUM, PERENNIAL

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM ALNUM PERENNIAL, AERIAL PART, FRESH, (2)						
REF NO 2-11-707						
DRY MATTER		%	33.7	100.0	19	5
ORGANIC MATTER		%	30.0	89.1		
ASH		%	3.7	10.9	23	7
CRUDE FIBER		%	8.9	26.6	10	7
ETHER EXTRACT		%	0.5	1.6	23	7
NITROGEN FREE EXTRACT		%	18.3	54.4	7	7
PROTEIN		%	2.2	6.6	19	7
CATTLE	DIG PROT	% *	1.2	3.5		
GOATS	DIG PROT	% *	0.9	2.7		
HORSES	DIG PROT	% *	1.1	3.1		
RABBITS	DIG PROT	% *	1.3	3.8		
SHEEP	DIG PROT	% *	1.1	3.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.89	2.64		
SHEEP	DE	MCAL/KG *	0.89	2.64		
CATTLE	ME	MCAL/KG *	0.73	2.16		
SHEEP	ME	MCAL/KG *	0.73	2.17		
CATTLE	NE-M	MCAL/KG *	0.43	1.28		
CATTLE	NE-GAIN	MCAL/KG *	0.22	0.65		
CATTLE	NE-LACTATION	MCAL/KG *	0.45	1.34		
CATTLE	TDN	% *	20.1	59.8		
SHEEP	TDN	% *	20.2	59.9		
CALCIUM		%	0.33	0.98		1
MAGNESIUM		%	0.09	0.28		1
PHOSPHORUS		%	0.08	0.23		1
POTASSIUM		%	0.63	1.87		1
SULPHUR		%	0.03	0.10		1
SORGHUM ALNUM PERENNIAL, AERIAL PART, ENSILED, (3)						
REF NO 3-11-708						
DRY MATTER		%	37.4	100.0		1
ORGANIC MATTER		%	34.2	91.4		
ASH		%	3.2	8.6		1
CRUDE FIBER		%	8.9	23.9		1
ETHER EXTRACT		%	0.7	1.8		1
NITROGEN FREE EXTRACT		%	21.8	58.2		1
PROTEIN		%	2.8	7.6		1
CATTLE	DIG PROT	% *	1.2	3.1		
GOATS	DIG PROT	% *	1.2	3.1		
HORSES	DIG PROT	% *	1.2	3.1		
SHEEP	DIG PROT	% *	1.2	3.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.01	2.70		
SHEEP	DE	MCAL/KG *	1.04	2.79		
CATTLE	ME	MCAL/KG *	0.83	2.21		
SHEEP	ME	MCAL/KG *	0.86	2.29		
CATTLE	NE-M	MCAL/KG *	0.49	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.70		
CATTLE	NE-LACTATION	MCAL/KG *	0.52	1.39		
CATTLE	TDN	% *	22.9	61.2		
SHEEP	TDN	% *	(23.7)	(63.3)		
SORGHUM FODDER, FRESH, IMMATURE =SEE SORGHUM VULGARE, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
SORGHUM FODDER, FRESH, MATURE =SEE SORGHUM VULGARE, AERIAL PART, FRESH, MATURE, (2)						
SORGHUM FODDER, FRESH, MID-BLOOM =SEE SORGHUM VULGARE, AERIAL PART, FRESH, MIDBLOOM, (2)						
SORGHUM FODDER, FRESH, MILK STAGE =SEE SORGHUM VULGARE, AERIAL PART, FRESH, MILK STAGE, (2)						
SORGHUM FODDER, FRESH =SEE SORGHUM VULGARE, AERIAL PART, FRESH, (2)						
SORGHUM FODDER SILAGE =SEE SORGHUM VULGARE, AERIAL PART, ENSILED, (3)						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM FODDER, SUN-CURED -SEE SORGHUM VULGARE, AERIAL PART, S-C, (1)						
SORGHUM HALEPENSE, SORGHUM, JOHNSONGRASS						
SORGHUM HALEPENSE JOHNSONGRASS, AERIAL PART, FRESH, (2)						
REF NO 2-04-412						
DRY MATTER		%		(100.0)		
ORGANIC MATTER		%		(90.1)		
ASH		%		(9.9)		1
CRUDE FIBER		%		(34.3)		1
ETHER EXTRACT		%		(1.1)		1
NITROGEN FREE EXTRACT		%		(38.1)		1
PROTEIN		%		(16.6)		1
CATTLE	DIG PROT	% *		(12.0)		
GOATS	DIG PROT	% *		(12.0)		
HORSES	DIG PROT	% *		(11.6)		
RABBITS	DIG PROT	% *		(11.5)		
SHEEP	DIG PROT	% *		(12.5)		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		(2.83)		
SHEEP	DE	MCAL/KG *		(2.56)		
CATTLE	ME	MCAL/KG *		(2.32)		
SHEEP	ME	MCAL/KG *		(2.10)		
CATTLE	NE-M	MCAL/KG *		(1.39)		
CATTLE	NE-GAIN	MCAL/KG *		(0.80)		
CATTLE	NE-LACTATION	MCAL/KG *		(1.49)		
CATTLE	TDN	% *		(64.1)		
SHEEP	TDN	% *		58.1		
SORGHUM HALEPENSE JOHNSONGRASS, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-11-593						
DRY MATTER		%	26.6	100.0		1
ORGANIC MATTER		%	24.1	90.6		
ASH		%	2.5	9.4		1
CRUDE FIBER		%	9.5	35.7		1
ETHER EXTRACT		%	0.5	1.9		1
NITROGEN FREE EXTRACT		%	11.7	44.0		1
PROTEIN		%	2.4	9.0		1
CATTLE	DIG PROT	% *	1.5	5.6		
GOATS	DIG PROT	% *	1.3	5.0		
HORSES	DIG PROT	% *	1.4	5.2		
RABBITS	DIG PROT	% *	1.5	5.6		
SHEEP	DIG PROT	% *	1.4	5.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.62	2.34		
SHEEP	DE	MCAL/KG *	0.66	2.49		
CATTLE	ME	MCAL/KG *	0.51	1.92		
SHEEP	ME	MCAL/KG *	0.54	2.05		
CATTLE	NE-M	MCAL/KG *	0.30	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	0.30	1.11		
CATTLE	TDN	% *	14.1	53.1		
SHEEP	TDN	% *	15.1	56.6		
SORGHUM, SORGO, FODDER, SUN-CURED -SEE SORGHUM VULGARE, SACCHARATUM SORGO, AERIAL PART, S-C, (1)						
SORGHUM SPP, SORGHUM						
SORGHUM SPP, AERIAL PART, DEHY, (1)						
REF NO 1-17-412						
DRY MATTER		%	97.1	100.0		1
ORGANIC MATTER		%	91.2	93.9		
ASH		%	5.9	6.1		1
CRUDE FIBER		%	29.4	30.3		1
ETHER EXTRACT		%	2.8	2.9		1
NITROGEN FREE EXTRACT		%	53.6	55.2		1
PROTEIN		%	5.3	5.5		1
CATTLE	DIG PROT	% *	1.7	1.7		
GOATS	DIG PROT	% *	1.6	1.7		
HORSES	DIG PROT	% *	2.1	2.2		
RABBITS	DIG PROT	% *	2.8	2.9		
SHEEP	DIG PROT	% *	1.5	1.5		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	2.46	2.53		
HORSES	DE	MCAL/KG *	1.86	1.91		
SHEEP	DE	MCAL/KG *	2.32	2.39		
CATTLE	ME	MCAL/KG *	2.01	2.07		
HORSES	ME	MCAL/KG *	1.52	1.57		
SHEEP	ME	MCAL/KG *	1.90	1.96		
CATTLE	NE-M	MCAL/KG *	1.19	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.55	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	1.22	1.26		
CATTLE	TDN	% *	55.7	57.4		
HORSES	TDN	% *	46.3	47.7		
SHEEP	TDN	% *	52.7	54.3		
CALCIUM		%	2.43	2.50		1
PHOSPHORUS		%	0.14	0.14		1
SORGHUM SPP, HAY, S-C, (1)						
REF NO 1-10-823						
DRY MATTER		%	82.6	100.0		1
ORGANIC MATTER		%	75.5	91.4		
ASH		%	7.1	8.6		2
CRUDE FIBER		%	20.8	25.1		2
ETHER EXTRACT		%	3.4	4.1		2
NITROGEN FREE EXTRACT		%	48.2	58.4		2
PROTEIN		%	3.1	3.7		2
CATTLE	DIG PROT	% *	0.1	0.2		
GOATS	DIG PROT	% *				
HORSES	DIG PROT	% *	0.6	0.7		
RABBITS	DIG PROT	% *	1.3	1.5		
SHEEP	DIG PROT	% *	-0.1	-0.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.20	2.67		
HORSES	DE	MCAL/KG *	1.96	2.37		
SHEEP	DE	MCAL/KG *	2.02	2.45		
CATTLE	ME	MCAL/KG *	1.81	2.19		
HORSES	ME	MCAL/KG *	1.60	1.94		
SHEEP	ME	MCAL/KG *	1.66	2.01		
CATTLE	NE-M	MCAL/KG *	1.07	1.30		
CATTLE	NE-GAIN	MCAL/KG *	0.56	0.68		
CATTLE	NE-LACTATION	MCAL/KG *	1.13	1.37		
CATTLE	TDN	% *	50.0	60.5		
HORSES	TDN	% *	49.7	60.2		
SHEEP	TDN	% *	45.9	55.5		
SORGHUM SPP, AERIAL PART, FRESH, (2)						
REF NO 2-10-424						
DRY MATTER		%	29.1	100.0	49	33
ORGANIC MATTER		%	26.0	89.6		
ASH		%	3.0	10.4	52	35
CRUDE FIBER		%	8.4	28.8	21	37
ETHER EXTRACT		%	0.6	2.0	21	35
NITROGEN FREE EXTRACT		%	14.9	51.4	13	35
PROTEIN		%	2.1	7.4	26	37
CATTLE	DIG PROT	% *	1.2	4.2		
GOATS	DIG PROT	% *	1.0	3.5		
HORSES	DIG PROT	% *	1.1	3.8		
RABBITS	DIG PROT	% *	1.3	4.4		
SHEEP	DIG PROT	% *	1.1	3.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.74	2.55		
SHEEP	DE	MCAL/KG *	0.76	2.60		
CATTLE	ME	MCAL/KG *	0.61	2.09		
SHEEP	ME	MCAL/KG *	0.62	2.14		
CATTLE	NE-M	MCAL/KG *	0.36	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.58		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.28		
CATTLE	TDN	% *	16.8	57.9		
SHEEP	TDN	% *	17.2	59.1		
CALCIUM		%	0.23	0.78		3
PHOSPHORUS		%	0.12	0.40		2
SORGHUM SPP, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-13-054						
DRY MATTER		%	12.7	100.0	10	10
DM IN VITRO (TILLY)	DIG COEF	%	6.	6.		1
PROTEIN		%	2.0	16.1	10	11
CATTLE	DIG PROT	% *	1.5	11.6		
GOATS	DIG PROT	% *	1.5	11.6		
HORSES	DIG PROT	% *	1.4	11.2		
RABBITS	DIG PROT	% *	1.4	11.1		
SHEEP	DIG PROT	% *	1.5	12.0		
FIBER, ACID DETERGENT (VS)		%	4.0	31.2		1
SORGHUM SPP, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-051						
DRY MATTER		%	20.1	100.0	20	98
DM IN VITRO (TILLY)	DIG COEF	%	60.	60.	9	18
ORGANIC MATTER		%	18.1	90.2		
ASH		%	2.0	9.9	6	10
PROTEIN		%	3.2	15.9	22	98
CATTLE	DIG PROT	% *	2.3	11.4		
GOATS	DIG PROT	% *	2.3	11.4		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT	% *	2.2	11.0		
RABBITS	DIG PROT	% *	2.2	10.9		
SHEEP	DIG PROT	% *	2.4	11.8		
CALCIUM		%	0.07	0.37	30	57
MAGNESIUM		%	0.03	0.16		1
PHOSPHORUS		%	0.04	0.19	25	50

SORGHUM SPP, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-13-055

DRY MATTER		%	19.7	100.0	8	14
DM IN VITRO (TILLY)	DIG COEF	%	61.	61.		2
PROTEIN		%	3.5	17.7	9	14
CATTLE	DIG PROT	% *	2.6	13.0		
GOATS	DIG PROT	% *	2.6	13.1		
HORSES	DIG PROT	% *	2.5	12.6		
RABBITS	DIG PROT	% *	2.4	12.4		
SHEEP	DIG PROT	% *	2.7	13.5		

SORGHUM SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-425

DRY MATTER		%	24.8	100.0	30	6
ORGANIC MATTER		%	22.5	90.5		
ASH		%	2.4	9.5	17	6
CRUDE FIBER		%	7.9	31.7	8	6
ETHER EXTRACT		%	0.5	2.0	14	6
NITROGEN FREE EXTRACT		%	12.3	49.7	7	6
PROTEIN		%	1.8	7.1	19	6
CATTLE	DIG PROT	% *	1.0	3.9		
GOATS	DIG PROT	% *	0.8	3.2		
HORSES	DIG PROT	% *	0.9	3.6		
RABBITS	DIG PROT	% *	1.0	4.2		
SHEEP	DIG PROT	% *	0.9	3.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.60	2.42		
SHEEP	DE	MCAL/KG *	0.63	2.55		
CATTLE	ME	MCAL/KG *	0.49	1.98		
SHEEP	ME	MCAL/KG *	0.52	2.09		
CATTLE	NE-M	MCAL/KG *	0.29	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.47		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.17		
CATTLE	TDN	% *	13.6	54.8		
SHEEP	TDN	% *	14.3	57.8		

SORGHUM SPP, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)

REF NO 2-13-012

DRY MATTER		%	37.9	100.0	13	17
DM IN VITRO (TILLY)	DIG COEF	%	59.	59.	6	16
PROTEIN		%	2.8	7.5	19	15
CATTLE	DIG PROT	% *	1.6	4.3		
GOATS	DIG PROT	% *	1.3	3.6		
HORSES	DIG PROT	% *	1.5	3.9		
RABBITS	DIG PROT	% *	1.7	4.5		
SHEEP	DIG PROT	% *	1.5	4.0		

SORGHUM SPP, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-052

DRY MATTER		%	21.0	100.0	21	98
DM IN VITRO (TILLY)	DIG COEF	%	60.	60.	7	22
PROTEIN		%	2.9	13.9	21	98
CATTLE	DIG PROT	% *	2.0	9.7		
GOATS	DIG PROT	% *	2.0	9.5		
HORSES	DIG PROT	% *	2.0	9.3		
RABBITS	DIG PROT	% *	2.0	9.4		
SHEEP	DIG PROT	% *	2.1	10.0		
FIBER, ACID DETERGENT (VS)		%	7.2	34.4	7	5
CALCIUM		%	0.10	0.47	36	59
PHOSPHORUS		%	0.05	0.23	28	65

SORGHUM SPP, AERIAL PART, ENSILED, (3)

REF NO 3-10-426

DRY MATTER		%	26.5	100.0	32	21
DM IN VITRO (TILLY)	DIG COEF	%	27.	27.	17	4
ORGANIC MATTER		%	23.6	89.0		
ASH		%	2.9	11.0	12	17
CRUDE FIBER		%	8.7	32.7	14	17
ETHER EXTRACT		%	0.7	2.7	33	17
NITROGEN FREE EXTRACT		%	12.5	47.1	10	17
PROTEIN		%	1.7	6.5	18	21
CATTLE	DIG PROT	% *	0.6	2.1		
GOATS	DIG PROT	% *	0.6	2.1		
HORSES	DIG PROT	% *	0.6	2.1		
SHEEP	DIG PROT	% *	0.6	2.1		
FIBER, ACID DETERGENT (VS)		%	11.4	43.1	9	4
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.64	2.43		
SHEEP	DE	MCAL/KG *	0.65	2.45		
CATTLE	ME	MCAL/KG *	0.53	1.99		
SHEEP	ME	MCAL/KG *	0.53	2.01		
CATTLE	NE-M	MCAL/KG *	0.31	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.48		
CATTLE	NE-LACTATION	MCAL/KG *	0.31	1.18		
CATTLE	TDN	% *	14.6	55.1		
SHEEP	TDN	% *	14.7	55.5		

SORGHUM SPP, GRAIN, (4)

REF NO 4-11-594

DRY MATTER		%	87.0	100.0	1	7
ORGANIC MATTER		%	85.3	98.0		
ASH		%	1.7	2.0	23	9
CRUDE FIBER		%	2.3	2.6	28	9
ETHER EXTRACT		%	2.3	2.7	37	9
NITROGEN FREE EXTRACT		%	71.1	81.7		3
PROTEIN		%	9.6	11.0	6	9
CATTLE	DIG PROT	% *	5.3	6.1		
GOATS	DIG PROT	% *	6.4	7.3		
HORSES	DIG PROT	% *	6.4	7.3		
SHEEP	DIG PROT	% *	6.4	7.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.10	3.56		
SHEEP	DE	MCAL/KG *	3.32	3.82		
SWINE	DE	KCAL/KG *	3297.	3787.		
CATTLE	ME	MCAL/KG *	2.54	2.92		
SHEEP	ME	MCAL/KG *	2.72	3.13		
SWINE	ME	KCAL/KG *	3091.	3551.		
CATTLE	NE-M	MCAL/KG *	1.64	1.88		
CATTLE	NE-GAIN	MCAL/KG *	1.09	1.25		
CATTLE	NE-LACTATION	MCAL/KG *	1.80	2.06		
CATTLE	TDN	% *	70.2	80.7		
SHEEP	TDN	% *	75.3	86.5		
SWINE	TDN	% *	74.8	85.9		
CALCIUM		%	0.25	0.29		1
PHOSPHORUS		%	0.02	0.02		1

SORGHUM SPP, GRAIN, GRND, (4)

REF NO 4-11-595

DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.8		
ASH		%		3.2		1
CRUDE FIBER		%		3.8		1
ETHER EXTRACT		%		2.7		1
NITROGEN FREE EXTRACT		%		75.2		1
PROTEIN		%		15.1		1
CATTLE	DIG PROT	% *		9.9		
GOATS	DIG PROT	% *		11.1		
HORSES	DIG PROT	% *		11.1		
SHEEP	DIG PROT	% *		11.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.45		
SHEEP	DE	MCAL/KG *		3.72		
SWINE	DE	KCAL/KG *		3695.		
CATTLE	ME	MCAL/KG *		2.83		
SHEEP	ME	MCAL/KG *		3.05		
SWINE	ME	KCAL/KG *		3434.		
CATTLE	NE-M	MCAL/KG *		1.80		
CATTLE	NE-GAIN	MCAL/KG *		1.20		
CATTLE	NE-LACTATION	MCAL/KG *		1.98		
CATTLE	TDN	% *		78.3		
SHEEP	TDN	% *		84.3		
SWINE	TDN	% *		83.8		

SORGHUM VULGARE, SORGHUM

SORGHUM VULGARE, AERIAL PART, DEHY GRND, (1)

REF NO 1-10-739

DRY MATTER		%	89.3	100.0	2
ORGANIC MATTER		%	80.1	89.7	2
ASH		%	9.2	10.3	2
CRUDE FIBER		%	23.6	26.4	2
ETHER EXTRACT		%	4.3	4.8	2
NITROGEN FREE EXTRACT		%	34.6	38.8	2
PROTEIN		%	17.5	19.7	2
CATTLE	DIG PROT	% *	12.5	14.0	
GOATS	DIG PROT	% *	13.3	14.9	
HORSES	DIG PROT	% *	12.7	14.2	
RABBITS	DIG PROT	% *	12.4	13.9	
SHEEP	DIG PROT	% *	12.7	14.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.26	2.53	
HORSES	DE	MCAL/KG *	1.13	1.27	
SHEEP	DE	MCAL/KG *	2.32	2.60	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	ME MCAL/KG *	1.85	2.07		
HORSES	ME MCAL/KG *	0.93	1.04		
SHEEP	ME MCAL/KG *	1.90	2.13		
CATTLE	NE-M MCAL/KG *	1.09	1.22		
CATTLE	NE-GAIN MCAL/KG *	0.50	0.57		
CATTLE	NE-LACTATION MCAL/KG *	1.12	1.26		
CATTLE	TDN % *	51.2	57.4		
HORSES	TDN % *	26.9	30.1		
SHEEP	TDN % *	52.7	59.0		

SORGHUM VULGARE, AERIAL PART, S-C, (1)
SORGHUM FODDER, SUN-CURED

REF NO 1-07-960

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.6	100.0	2	4
ORGANIC MATTER	%	(81.6)	(90.1)		
ASH	%	(9.0)	(9.9)	35	5
CRUDE FIBER	%	(30.1)	(33.3)	13	6
ETHER EXTRACT	%	(1.6)	(1.8)	31	5
NITROGEN FREE EXTRACT	%	(46.0)	(50.9)	11	5
PROTEIN	%	(3.8)	(4.2)	46	6
CATTLE	DIG PROT % *	(0.5)	(0.5)		
GOATS	DIG PROT % *	(0.4)	(0.4)		
HORSES	DIG PROT % *	(1.0)	(1.1)		
RABBITS	DIG PROT % *	(1.7)	(1.9)		
SHEEP	DIG PROT % *	(0.3)	(0.3)		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	(1.99)	(2.19)		
HORSES	DE MCAL/KG *	(1.44)	(1.59)		
SHEEP	DE MCAL/KG *	(1.96)	(2.16)		
CATTLE	ME MCAL/KG *	(1.63)	(1.80)		
HORSES	ME MCAL/KG *	(1.18)	(1.30)		
SHEEP	ME MCAL/KG *	(1.61)	(1.77)		
CATTLE	NE-M MCAL/KG *	(0.96)	(1.06)		
CATTLE	NE-GAIN MCAL/KG *	(0.24)	(0.27)		
CATTLE	NE-LACTATION MCAL/KG *	(0.90)	(1.00)		
CATTLE	TDN % *	(45.0)	(49.7)		
HORSES	TDN % *	(35.1)	(38.7)		
SHEEP	TDN % *	44.5	49.1		
CALCIUM	%	0.28	0.30		2
COPPER	MG/KG	21.5	23.8		1
IRON	%	0.020	0.022		1
MAGNESIUM	%	0.16	0.17		1
MANGANESE	MG/KG	407.5	450.1		1
PHOSPHORUS	%	0.14	0.15		1

SORGHUM VULGARE, AERIAL PART, S-C, DOUGH STAGE, (1)

REF NO 1-04-300

NAME OR NUTRIENT	UNIT	DRY	CV	NO
DRY MATTER	%	100.0		
ORGANIC MATTER	%	89.8		
ASH	%	10.2		1
CRUDE FIBER	%	35.2		1
ETHER EXTRACT	%	2.8		1
NITROGEN FREE EXTRACT	%	42.9		1
PROTEIN	%	8.9		1
CATTLE	DIG PROT % *	4.7		
GOATS	DIG PROT % *	4.9		
HORSES	DIG PROT % *	5.1		
RABBITS	DIG PROT % *	5.5		
SHEEP	DIG PROT % *	4.6		
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.25		
HORSES	DE MCAL/KG *	1.90		
SHEEP	DE MCAL/KG *	2.22		
CATTLE	ME MCAL/KG *	1.85		
HORSES	ME MCAL/KG *	1.56		
SHEEP	ME MCAL/KG *	1.82		
CATTLE	NE-M MCAL/KG *	1.09		
CATTLE	NE-GAIN MCAL/KG *	0.32		
CATTLE	NE-LACTATION MCAL/KG *	1.04		
CATTLE	TDN % *	51.1		
HORSES	TDN % *	47.4		
SHEEP	TDN % *	50.4		

SORGHUM VULGARE, AERIAL PART, S-C CHOPPED, MATURE, (1)

REF NO 1-13-489

NAME OR NUTRIENT	UNIT	DRY	CV	NO
DRY MATTER	%	100.0		
ORGANIC MATTER	%	90.0		
ASH	%	10.0	42	6
CRUDE FIBER	%	30.1	20	6
ETHER EXTRACT	%	2.4	85	6
NITROGEN FREE EXTRACT	%	47.3	17	6
PROTEIN	%	10.3	19	6
CATTLE	DIG PROT % *	5.9		
GOATS	DIG PROT % *	6.2		
HORSES	DIG PROT % *	6.3		
RABBITS	DIG PROT % *	6.6		
SHEEP	DIG PROT % *	5.8		
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.41		
HORSES	DE MCAL/KG *	1.89		
SHEEP	DE MCAL/KG *	2.35		
CATTLE	ME MCAL/KG *	1.98		
HORSES	ME MCAL/KG *	1.55		
SHEEP	ME MCAL/KG *	1.93		
CATTLE	NE-M MCAL/KG *	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.46		
CATTLE	NE-LACTATION MCAL/KG *	1.17		
CATTLE	TDN % *	54.7		
HORSES	TDN % *	47.2		
SHEEP	TDN % *	53.4		

SORGHUM VULGARE, BRAN, (1)

REF NO 1-11-596

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.6	100.0		1
ORGANIC MATTER	%	80.2	91.6		
ASH	%	7.4	8.4		1
CRUDE FIBER	%	24.8	28.3		1
ETHER EXTRACT	%	6.9	7.9		1
NITROGEN FREE EXTRACT	%	40.0	45.7		1
PROTEIN	%	8.5	9.7		1
CATTLE	DIG PROT % *	4.7	5.3		
GOATS	DIG PROT % *	4.9	5.6		
HORSES	DIG PROT % *	5.1	5.8		
RABBITS	DIG PROT % *	5.4	6.2		
SHEEP	DIG PROT % *	4.6	5.3		
ENERGY	GE KCAL/KG				
HORSES	DE MCAL/KG *	1.78	2.03		
SHEEP	DE MCAL/KG *	2.11	2.41		
HORSES	ME MCAL/KG *	1.46	1.67		
SHEEP	ME MCAL/KG *	1.73	1.97		
HORSES	TDN % *	44.6	50.9		
SHEEP	TDN % *	47.9	54.6		

SORGHUM VULGARE, HEADS, S-C, (1)

REF NO 1-11-701

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.5	100.0	2	5
ORGANIC MATTER	%	83.3	94.1		
ASH	%	5.2	5.9	85	7
CRUDE FIBER	%	9.0	10.1	78	7
ETHER EXTRACT	%	2.7	3.1	36	7
NITROGEN FREE EXTRACT	%	62.4	70.5	17	7
PROTEIN	%	9.2	10.4	13	7
CATTLE	DIG PROT % *	5.3	5.9		
GOATS	DIG PROT % *	5.5	6.3		
HORSES	DIG PROT % *	5.6	6.8		
RABBITS	DIG PROT % *	5.9	6.7		
SHEEP	DIG PROT % *	5.2	5.9		
CALCIUM	%	0.16	0.18		2
IRON	%	0.004	0.005		1
PHOSPHORUS	%	0.10	0.12		2
NIACIN	MG/KG	29.6	33.7		1
RIBOFLAVIN	MG/KG	2.0	2.2		1
THIAMINE	MG/KG	2.9	3.3		1
VITAMIN A	IU/G	10.3	11.6		1
VITAMIN A EQUIV	IU/G	0.1	0.1		
ARGININE	%	0.03	0.03		1
HISTIDINE	%	0.02	0.02		1
ISOLEUCINE	%	0.03	0.03		1
LEUCINE	%	0.08	0.09		1
LYSINE	%	0.02	0.02		1
METHIONINE	%	0.01	0.01		1
PHENYLALANINE	%	0.02	0.02		1
THREONINE	%	0.02	0.02		1
TRYPTOPHAN	%	0.00	0.00		1
TYROSINE	%	0.02	0.02		1
VALINE	%	0.04	0.05		1

SORGHUM VULGARE, HEADS WO GRAIN, GRND, (1)

REF NO 1-13-490

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.6	100.0	4	6
ORGANIC MATTER	%	82.0	90.5		
ASH	%	8.6	9.5	64	6
CRUDE FIBER	%	27.3	30.1	35	6
ETHER EXTRACT	%	1.1	1.2	46	6
NITROGEN FREE EXTRACT	%	47.7	52.7	23	6
PROTEIN	%	5.9	6.6	56	6
CATTLE	DIG PROT % *	2.4	2.6		
GOATS	DIG PROT % *	2.4	2.7		
HORSES	DIG PROT % *	2.8	3.1		
RABBITS	DIG PROT % *	3.4	3.7		
SHEEP	DIG PROT % *	2.2	2.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.00	2.21		
HORSES	DE MCAL/KG *	1.38	1.52		
SHEEP	DE MCAL/KG *	2.04	2.25		
CATTLE	ME MCAL/KG *	1.64	1.81		
HORSES	ME MCAL/KG *	1.13	1.25		
SHEEP	ME MCAL/KG *	1.67	1.84		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M	MCAL/KG *	0.97	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.92	1.01		
CATTLE		TDN % *	45.5	50.2		
HORSES		TDN % *	33.4	36.9		
SHEEP		TDN % *	46.2	51.0		
CALCIUM		%	0.58	0.64	48	5
PHOSPHORUS		%	0.10	0.11	32	5

SORGHUM VULGARE, HEADS WO GRAIN W MOLASSES ADDED, GRND, (1)

REF NO 1-13-557

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	84.8	100.0		1
ORGANIC MATTER		%	78.7	92.8		
ASH		%	6.1	7.2		1
CRUDE FIBER		%	29.1	34.3		1
ETHER EXTRACT		%	0.5	0.6		1
NITROGEN FREE EXTRACT		%	45.6	53.8		1
PROTEIN		%	3.5	4.1		1
CATTLE	DIG PROT	% *	0.4	0.5		
GOATS	DIG PROT	% *	0.3	0.4		
HORSES	DIG PROT	% *	0.9	1.0		
RABBITS	DIG PROT	% *	1.6	1.9		
SHEEP	DIG PROT	% *	0.2	0.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.80	2.12		
SHEEP	DE	MCAL/KG *	1.85	2.18		
CATTLE	ME	MCAL/KG *	1.47	1.74		
SHEEP	ME	MCAL/KG *	1.52	1.79		
CATTLE	NE-M	MCAL/KG *	0.87	1.03		
CATTLE	NE-GAIN	MCAL/KG *	0.17	0.19		
CATTLE	NE-LACTATION	MCAL/KG *	0.80	0.94		
CATTLE		TDN % *	40.7	48.0		
SHEEP		TDN % *	42.0	49.5		
CALCIUM		%	0.42	0.50		1
PHOSPHORUS		%	0.09	0.11		1

SORGHUM VULGARE, LEAVES, (1)

REF NO 1-04-308

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.1		
ASH		%		8.9	4	4
CRUDE FIBER		%		28.8	10	4
ETHER EXTRACT		%		1.7	16	4
NITROGEN FREE EXTRACT		%		54.1	4	4
PROTEIN		%		6.4	22	4
CATTLE	DIG PROT	% *		2.5		
GOATS	DIG PROT	% *		2.6		
HORSES	DIG PROT	% *		3.0		
RABBITS	DIG PROT	% *		3.6		
SHEEP	DIG PROT	% *		2.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.30		
HORSES	DE	MCAL/KG *		1.62		
SHEEP	DE	MCAL/KG *		2.30		
CATTLE	ME	MCAL/KG *		1.89		
HORSES	ME	MCAL/KG *		1.33		
SHEEP	ME	MCAL/KG *		1.88		
CATTLE	NE-M	MCAL/KG *		1.11		
CATTLE	NE-GAIN	MCAL/KG *		0.37		
CATTLE	NE-LACTATION	MCAL/KG *		1.08		
CATTLE		TDN % *		52.3		
HORSES		TDN % *		39.8		
SHEEP		TDN % *		52.1		
CALCIUM		%		0.28		4
PHOSPHORUS		%		0.02		4

SORGHUM VULGARE, LEAVES, DEHY GRND, (1)

REF NO 1-10-738

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.7	100.0		1
ORGANIC MATTER		%	78.1	86.1		1
ASH		%	12.6	13.9		1
CRUDE FIBER		%	30.3	33.4		1
ETHER EXTRACT		%	3.5	3.9		1
NITROGEN FREE EXTRACT		%	29.4	32.4		1
PROTEIN		%	14.9	16.4		1
CATTLE	DIG PROT	% *	10.1	11.2		
GOATS	DIG PROT	% *	10.8	11.9		
HORSES	DIG PROT	% *	10.4	11.5		
RABBITS	DIG PROT	% *	10.3	11.4		
SHEEP	DIG PROT	% *	10.3	11.3		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	2.00	2.21		
SHEEP	ME	MCAL/KG *	1.64	1.81		
SHEEP		TDN % *	45.4	50.0		

SORGHUM VULGARE, STEMS, DEHY GRND, (1)

REF NO 1-10-737

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.8	100.0		1
ORGANIC MATTER		%	83.3	91.7		1
ASH		%	7.5	8.3		1
CRUDE FIBER		%	40.8	44.9		1
ETHER EXTRACT		%	1.9	2.1		1
NITROGEN FREE EXTRACT		%	36.6	40.3		1
PROTEIN		%	4.0	4.4		1
CATTLE	DIG PROT	% *	0.7	0.8		
GOATS	DIG PROT	% *	0.6	0.7		
HORSES	DIG PROT	% *	1.2	1.3		
RABBITS	DIG PROT	% *	1.9	2.1		
SHEEP	DIG PROT	% *	0.5	0.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.93	2.13		
HORSES	DE	MCAL/KG *	1.42	1.56		
SHEEP	DE	MCAL/KG *	1.92	2.11		
CATTLE	ME	MCAL/KG *	1.59	1.75		
HORSES	ME	MCAL/KG *	1.16	1.28		
SHEEP	ME	MCAL/KG *	1.57	1.73		
CATTLE	NE-M	MCAL/KG *	0.94	1.04		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.21		
CATTLE	NE-LACTATION	MCAL/KG *	0.86	0.95		
CATTLE		TDN % *	43.9	48.3		
HORSES		TDN % *	34.5	38.0		
SHEEP		TDN % *	43.5	47.9		

SORGHUM VULGARE, STRAW, (1)

REF NO 1-11-600

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.5	100.0		1
ORGANIC MATTER		%	87.5	93.6		
ASH		%	6.0	6.4		1
CRUDE FIBER		%	30.1	32.2		1
ETHER EXTRACT		%	2.0	2.1		1
NITROGEN FREE EXTRACT		%	52.1	55.7		
PROTEIN		%	3.4	3.6		1
CATTLE	DIG PROT	% *	0.1	0.1		
GOATS	DIG PROT	% *	-0.1	-0.1		
HORSES	DIG PROT	% *	0.5	0.6		
RABBITS	DIG PROT	% *	1.4	1.4		
SHEEP	DIG PROT	% *	-0.2	-0.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.21	2.36		
HORSES	DE	MCAL/KG *	1.53	1.64		
SHEEP	DE	MCAL/KG *	2.13	2.28		
CATTLE	ME	MCAL/KG *	1.81	1.94		
HORSES	ME	MCAL/KG *	1.25	1.34		
SHEEP	ME	MCAL/KG *	1.75	1.87		
CATTLE	NE-M	MCAL/KG *	1.07	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.40	0.42		
CATTLE	NE-LACTATION	MCAL/KG *	1.06	1.13		
CATTLE		TDN % *	50.1	53.6		
HORSES		TDN % *	37.5	40.1		
SHEEP		TDN % *	48.4	51.7		

SORGHUM VULGARE, AERIAL PART, FRESH, (2)
SORGHUM FODDER, FRESH

REF NO 2-04-317

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.6	100.0	29	98
ORGANIC MATTER		%	21.6	91.2	24	16
ASH		%	2.2	9.5	24	98
CRUDE FIBER		%	7.4	31.2	27	98
ETHER EXTRACT		%	0.6	2.3	98	98
NITROGEN FREE EXTRACT		%	11.6	49.1	27	98
PROTEIN		%	1.9	7.9	61	98
CATTLE	DIG PROT	% *	1.1	4.6		
GOATS	DIG PROT	% *	0.9	3.9		
HORSES	DIG PROT	% *	1.0	4.2		
RABBITS	DIG PROT	% *	1.1	4.7		
SHEEP	DIG PROT	% *	1.0	4.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.58	2.47		
SHEEP	DE	MCAL/KG *	0.61	2.58		
CATTLE	ME	MCAL/KG *	0.48	2.02		
SHEEP	ME	MCAL/KG *	0.50	2.11		
CATTLE	NE-M	MCAL/KG *	0.28	1.19		
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.51		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.21		
CATTLE		TDN % *	13.2	55.9		
SHEEP		TDN % *	13.8	58.4		
CALCIUM		%	0.14	0.59	98	16
IRON		%	0.010	0.040	47	7
PHOSPHORUS		%	0.10	0.44	65	15
POTASSIUM		%	0.66	2.77	52	5
VITAMIN A EQUIV		IU/G	12.8	54.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)						
REF NO 2-11-703						
DRY MATTER		%	32.1	100.0		2
ORGANIC MATTER		%	29.6	92.2		
ASH		%	2.5	7.8		2
CRUDE FIBER		%	11.7	36.5		2
ETHER EXTRACT		%	1.2	3.7		2
NITROGEN FREE EXTRACT		%	14.7	45.8		2
PROTEIN		%	2.0	6.2		2
CATTLE	DIG PROT % *		1.0	3.2		
GOATS	DIG PROT % *		0.8	2.4		
HORSES	DIG PROT % *		0.9	2.8		
RABBITS	DIG PROT % *		1.1	3.5		
SHEEP	DIG PROT		0.9	2.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.74	2.30		
SHEEP	DE MCAL/KG *		0.80	2.49		
CATTLE	ME MCAL/KG *		0.61	1.89		
SHEEP	ME MCAL/KG *		0.66	2.04		
CATTLE	NE-M MCAL/KG *		0.36	1.11		
CATTLE	NE-GAIN MCAL/KG *		0.12	0.37		
CATTLE	NE-LACTATION MCAL/KG *		0.35	1.08		
CATTLE	TDN % *		16.8	52.2		
SHEEP	TDN % *		18.2	56.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, EARLY VEGETATIVE, (2) SORGHUM FODDER, FRESH, IMMATURE						
REF NO 2-04-310						
DRY MATTER		%	27.0	100.0	26	4
DM IN VITRO (TILLY)	DIG COEF %		69.	69.		3
ORGANIC MATTER		%	23.9	88.4		
ASH		%	3.1	11.6		1
CRUDE FIBER		%	7.4	27.2		1
ETHER EXTRACT		%	1.1	3.9		1
NITROGEN FREE EXTRACT		%	11.3	41.9		1
PROTEIN		%	4.2	15.4	15	4
CATTLE	DIG PROT % *		3.0	11.0		
GOATS	DIG PROT % *		2.9	10.9		
HORSES	DIG PROT % *		2.9	10.6		
RABBITS	DIG PROT % *		2.8	10.6		
SHEEP	DIG PROT % *		3.1	11.3		
FIBER, ACID DETERGENT (VS)		%	6.4	23.8		3
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.75	2.76		
SHEEP	DE MCAL/KG *		0.74	2.75		
CATTLE	ME MCAL/KG *		0.61	2.26		
SHEEP	ME MCAL/KG *		0.61	2.26		
CATTLE	NE-M MCAL/KG *		0.36	1.35		
CATTLE	NE-GAIN MCAL/KG *		0.20	0.75		
CATTLE	NE-LACTATION MCAL/KG *		0.39	1.44		
CATTLE	TDN % *		16.9	62.6		
SHEEP	TDN % *		16.8	62.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-15-426						
DRY MATTER		%	28.3	100.0	34	4
ORGANIC MATTER		%	25.5	90.2	21	4
ASH		%	2.8	9.9	21	4
CRUDE FIBER		%	8.2	28.9	35	4
ETHER EXTRACT		%	0.7	2.5	55	4
NITROGEN FREE EXTRACT		%	13.5	47.8	7	4
PROTEIN		%	3.1	11.0	54	4
CATTLE	DIG PROT % *		2.1	7.3		
GOATS	DIG PROT % *		1.9	6.8		
HORSES	DIG PROT % *		1.9	6.9		
RABBITS	DIG PROT % *		2.0	7.2		
SHEEP	DIG PROT % *		2.1	7.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.75	2.64		
SHEEP	DE MCAL/KG *		0.75	2.66		
CATTLE	ME MCAL/KG *		0.61	2.16		
SHEEP	ME MCAL/KG *		0.62	2.18		
CATTLE	NE-M MCAL/KG *		0.36	1.28		
CATTLE	NE-GAIN MCAL/KG *		0.18	0.65		
CATTLE	NE-LACTATION MCAL/KG *		0.38	1.35		
CATTLE	TDN % *		16.9	59.9		
SHEEP	TDN % *		17.1	60.4		
CALCIUM		%	0.11	0.39	27	4
PHOSPHORUS		%	0.10	0.36	39	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-11-704						
DRY MATTER		%	21.3	100.0		2
ORGANIC MATTER		%	19.2	90.2		1
ASH		%	1.9	9.1		2
CRUDE FIBER		%	6.7	31.5		2
ETHER EXTRACT		%	0.4	2.0		2
NITROGEN FREE EXTRACT		%	9.5	44.5		2
PROTEIN		%	2.7	12.8		2
CATTLE	DIG PROT % *		1.9	8.8		
GOATS	DIG PROT % *		1.8	8.5		
HORSES	DIG PROT % *		1.8	8.4		
RABBITS	DIG PROT % *		1.8	8.6		
SHEEP	DIG PROT % *		1.9	9.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.55	2.58		
SHEEP	DE MCAL/KG *		0.56	2.63		
CATTLE	ME MCAL/KG *		0.45	2.12		
SHEEP	ME MCAL/KG *		0.46	2.16		
CATTLE	NE-M MCAL/KG *		0.27	1.25		
CATTLE	NE-GAIN MCAL/KG *		0.13	0.61		
CATTLE	NE-LACTATION MCAL/KG *		0.26	1.30		
CATTLE	TDN % *		12.4	58.5		
SHEEP	TDN % *		12.7	59.6		
CALCIUM		%	0.09	0.41		2
IRON		%	0.008	0.037		1
MAGNESIUM		%	0.06	0.26		1
PHOSPHORUS		%	0.04	0.21		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MIDBLOOM, (2) SORGHUM FODDER, FRESH, MID-BLOOM						
REF NO 2-04-311						
DRY MATTER		%	30.9	100.0	34	5
ORGANIC MATTER		%	28.4	91.9	24	4
ASH		%	2.7	8.8	24	5
CRUDE FIBER		%	10.1	32.8	18	5
ETHER EXTRACT		%	0.4	1.4	33	5
NITROGEN FREE EXTRACT		%	15.1	48.9	14	5
PROTEIN		%	2.5	8.1	30	5
CATTLE	DIG PROT % *		1.5	4.8		
GOATS	DIG PROT % *		1.3	4.1		
HORSES	DIG PROT % *		1.4	4.4		
RABBITS	DIG PROT % *		1.5	4.9		
SHEEP	DIG PROT % *		1.4	4.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.76	2.45		
SHEEP	DE MCAL/KG *		0.78	2.53		
CATTLE	ME MCAL/KG *		0.62	2.01		
SHEEP	ME MCAL/KG *		0.64	2.07		
CATTLE	NE-M MCAL/KG *		0.37	1.19		
CATTLE	NE-GAIN MCAL/KG *		0.15	0.50		
CATTLE	NE-LACTATION MCAL/KG *		0.37	1.20		
CATTLE	TDN % *		17.2	55.6		
SHEEP	TDN % *		17.7	57.3		
CALCIUM		%	0.09	0.28	45	4
PHOSPHORUS		%	0.07	0.23	60	4

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)						
REF NO 2-13-727						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.5		
ASH		%		10.5		1
CRUDE FIBER		%		24.1		1
ETHER EXTRACT		%		1.6		1
NITROGEN FREE EXTRACT		%		57.9		1
PROTEIN		%		5.9		1
CATTLE	DIG PROT % *			2.9		
GOATS	DIG PROT % *			2.1		
HORSES	DIG PROT % *			2.5		
RABBITS	DIG PROT % *			3.2		
SHEEP	DIG PROT % *			2.5		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *			2.79		
SHEEP	DE MCAL/KG *			2.74		
CATTLE	ME MCAL/KG *			2.29		
SHEEP	ME MCAL/KG *			2.25		
CATTLE	NE-M MCAL/KG *			1.36		
CATTLE	NE-GAIN MCAL/KG *			0.77		
CATTLE	NE-LACTATION MCAL/KG *			1.46		
CATTLE	TDN % *			63.2		
SHEEP	TDN % *			62.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, FULL BLOOM, CUT 1, (2)					
REF NO 2-09-927					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.4		
ASH	%		8.6		2
CRUDE FIBER	%		34.4		2
ETHER EXTRACT	%		1.8		2
NITROGEN FREE EXTRACT	%		45.5		2
PROTEIN	%		9.6		2
CATTLE DIG PROT % *			6.1		
GOATS DIG PROT % *			5.6		
HORSES DIG PROT % *			5.7		
RABBITS DIG PROT % *			6.1		
SHEEP DIG PROT % *			6.0		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.42		
SHEEP DE MCAL/KG *			2.54		
CATTLE ME MCAL/KG *			1.98		
SHEEP ME MCAL/KG *			2.08		
CATTLE NE-M MCAL/KG *			1.17		
CATTLE NE-GAIN MCAL/KG *			0.47		
CATTLE NE-LACTATION MCAL/KG *			1.17		
CATTLE TDN % *			54.8		
SHEEP TDN % *			57.5		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MILK STAGE, (2) SORGHUM FODDER, FRESH, MILK STAGE					
REF NO 2-04-313					
DRY MATTER	%	23.7	100.0	8	5
ORGANIC MATTER	%	21.2	89.5	29	2
ASH	%	2.3	9.8	29	5
CRUDE FIBER	%	7.1	30.0	17	5
ETHER EXTRACT	%	0.5	2.2	98	5
NITROGEN FREE EXTRACT	%	12.4	52.0	17	5
PROTEIN	%	1.4	6.0	40	5
CATTLE DIG PROT % *		0.7	3.0		
GOATS DIG PROT % *		0.5	2.2		
HORSES DIG PROT % *		0.6	2.7		
RABBITS DIG PROT % *		0.8	3.3		
SHEEP DIG PROT % *		0.6	2.6		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.59	2.49		
SHEEP DE MCAL/KG *		0.61	2.58		
CATTLE ME MCAL/KG *		0.48	2.04		
SHEEP ME MCAL/KG *		0.50	2.11		
CATTLE NE-M MCAL/KG *		0.29	1.20		
CATTLE NE-GAIN MCAL/KG *		0.13	0.53		
CATTLE NE-LACTATION MCAL/KG *		0.29	1.23		
CATTLE TDN % *		13.4	56.4		
SHEEP TDN % *		13.9	58.4		
CALCIUM	%	0.08	0.33	17	4
MAGNESIUM	%	0.01	0.06		2
PHOSPHORUS	%	0.08	0.35	50	4

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, DOUGH STAGE, (2)					
REF NO 2-04-314					
DRY MATTER	%	22.6	100.0	28	15
ORGANIC MATTER	%	20.8	92.0		
ASH	%	1.8	8.0	19	15
CRUDE FIBER	%	8.9	39.3	7	15
ETHER EXTRACT	%	0.3	1.1	18	15
NITROGEN FREE EXTRACT	%	9.7	43.0	9	15
PROTEIN	%	1.9	8.5	14	15
CATTLE DIG PROT % *		1.2	5.1		
GOATS DIG PROT % *		1.0	4.5		
HORSES DIG PROT % *		1.1	4.8		
RABBITS DIG PROT % *		1.2	5.3		
SHEEP DIG PROT % *		1.1	4.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.55	2.42		
SHEEP DE MCAL/KG *		0.55	2.42		
CATTLE ME MCAL/KG *		0.45	1.98		
SHEEP ME MCAL/KG *		0.45	1.98		
CATTLE NE-M MCAL/KG *		0.26	1.17		
CATTLE NE-GAIN MCAL/KG *		0.11	0.47		
CATTLE NE-LACTATION MCAL/KG *		0.26	1.17		
CATTLE TDN % *		12.4	54.9		
SHEEP TDN % *		12.4	54.8		
CALCIUM	%	0.04	0.18	45	15
PHOSPHORUS	%	0.05	0.21	20	15

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)					
REF NO 2-13-792					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		89.3		
ASH	%		10.7		1
CRUDE FIBER	%		28.1		1
ETHER EXTRACT	%		0.9		1
NITROGEN FREE EXTRACT	%		55.2		1
PROTEIN	%		5.1		1
CATTLE DIG PROT % *			2.2		
GOATS DIG PROT % *			1.3		
HORSES DIG PROT % *			1.9		
RABBITS DIG PROT % *			2.6		
SHEEP DIG PROT % *			1.7		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.60		
SHEEP DE MCAL/KG *			2.56		
CATTLE ME MCAL/KG *			2.13		
SHEEP ME MCAL/KG *			2.10		
CATTLE NE-M MCAL/KG *			1.26		
CATTLE NE-GAIN MCAL/KG *			0.72		
CATTLE NE-LACTATION MCAL/KG *			1.31		
CATTLE TDN % *			58.9		
SHEEP TDN % *			58.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)					
REF NO 2-13-725					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.4		
ASH	%		8.6	13	21
CRUDE FIBER	%		28.5	19	21
ETHER EXTRACT	%		2.1	31	21
NITROGEN FREE EXTRACT	%		54.3	11	21
PROTEIN	%		6.6	25	21
CATTLE DIG PROT % *			3.5		
GOATS DIG PROT % *			2.7		
HORSES DIG PROT % *			3.1		
RABBITS DIG PROT % *			3.7		
SHEEP DIG PROT % *			3.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.62		
SHEEP DE MCAL/KG *			2.66		
CATTLE ME MCAL/KG *			2.15		
SHEEP ME MCAL/KG *			2.18		
CATTLE NE-M MCAL/KG *			1.27		
CATTLE NE-GAIN MCAL/KG *			0.64		
CATTLE NE-LACTATION MCAL/KG *			1.33		
CATTLE TDN % *			59.5		
SHEEP TDN % *			60.2		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MATURE, (2) SORGHUM FODDER, FRESH, MATURE					
REF NO 2-04-315					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		90.2		
ASH	%		9.8		2
CRUDE FIBER	%		15.1		2
ETHER EXTRACT	%		2.4		2
NITROGEN FREE EXTRACT	%		66.0		2
PROTEIN	%		6.8		2
CATTLE DIG PROT % *			3.7		
GOATS DIG PROT % *			2.9		
HORSES DIG PROT % *			3.3		
RABBITS DIG PROT % *			3.9		
SHEEP DIG PROT % *			3.3		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			3.03		
SHEEP DE MCAL/KG *			3.19		
CATTLE ME MCAL/KG *			3.14		
SHEEP ME MCAL/KG *			3.61		
CATTLE NE-M MCAL/KG *			2.11		
CATTLE NE-GAIN MCAL/KG *			1.39		
CATTLE NE-LACTATION MCAL/KG *			2.28		
CATTLE TDN % *			86.9		
SHEEP TDN % *			77.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MATURE, CUT 4, (2)						
REF NO 2-11-705						
DRY MATTER		%	27.8	100.0		2
ORGANIC MATTER		%	23.7	85.4		2
ASH		%	4.1	14.7		2
CRUDE FIBER		%	8.1	29.2		2
ETHER EXTRACT		%	0.5	2.0		2
NITROGEN FREE EXTRACT		%	13.0	46.8		2
PROTEIN		%	2.1	7.5		2
CATTLE	DIG PROT	% *	1.2	4.3		
GOATS	DIG PROT	% *	1.0	3.6		
HORSES	DIG PROT	% *	1.1	3.9		
RABBITS	DIG PROT	% *	1.2	4.5		
SHEEP	DIG PROT	% *	1.1	4.0		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.67	2.40		
SHEEP	DE KCAL/KG	*	0.69	2.48		
CATTLE	ME KCAL/KG	*	0.55	1.97		
SHEEP	ME KCAL/KG	*	0.56	2.03		
CATTLE	NE-M KCAL/KG	*	0.32	1.16		
CATTLE	NE-GAIN KCAL/KG	*	0.13	0.46		
CATTLE	NE-LACTATION KCAL/KG	*	0.32	1.16		
CATTLE	TDN	% *	15.1	54.5		
SHEEP	TDN	% *	15.6	56.1		
CALCIUM		%	0.12	0.42		2
PHOSPHORUS		%	0.03	0.11		2
SORGHUM VULGARE, AERIAL PART, FRESH, POST RIPE, (2)						
REF NO 2-04-316						
DRY MATTER		%	40.8	100.0		1
ORGANIC MATTER		%	37.0	90.8		1
ASH		%	3.8	9.2		1
CRUDE FIBER		%	16.1	39.5		1
ETHER EXTRACT		%	1.2	3.0		1
NITROGEN FREE EXTRACT		%	17.3	42.5		1
PROTEIN		%	2.3	5.7		1
CATTLE	DIG PROT	% *	1.1	2.8		
GOATS	DIG PROT	% *	0.8	1.9		
HORSES	DIG PROT	% *	1.0	2.4		
RABBITS	DIG PROT	% *	1.3	3.1		
SHEEP	DIG PROT	% *	1.0	2.3		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.79	1.93		
SHEEP	DE KCAL/KG	*	0.99	2.43		
CATTLE	ME KCAL/KG	*	0.65	1.59		
SHEEP	ME KCAL/KG	*	0.81	1.99		
CATTLE	NE-M KCAL/KG	*	0.39	0.95		
CATTLE	NE-GAIN KCAL/KG	*	0.00	0.01		
CATTLE	NE-LACTATION KCAL/KG	*	0.32	0.79		
CATTLE	TDN	% *	17.9	43.9		
SHEEP	TDN	% *	22.5	55.2		
SORGHUM VULGARE, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-13-726						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.4		
ASH		%		10.6	4	10
CRUDE FIBER		%		23.7	7	10
ETHER EXTRACT		%		4.7	26	10
NITROGEN FREE EXTRACT		%		65.3	8	10
PROTEIN		%		15.6	16	10
CATTLE	DIG PROT	% *		11.2		
GOATS	DIG PROT	% *		11.1		
HORSES	DIG PROT	% *		10.8		
RABBITS	DIG PROT	% *		10.7		
SHEEP	DIG PROT	% *		11.9		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		3.37		
SHEEP	DE KCAL/KG	*		3.67		
CATTLE	ME KCAL/KG	*		2.78		
SHEEP	ME KCAL/KG	*		2.39		
CATTLE	NE-M KCAL/KG	*		1.79		
CATTLE	NE-GAIN KCAL/KG	*		1.19		
CATTLE	NE-LACTATION KCAL/KG	*		1.91		
CATTLE	TDN	% *		76.4		
SHEEP	TDN	% *		65.0		
SORGHUM VULGARE, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-11-788						
DRY MATTER		%	36.3	100.0	75	7
ORGANIC MATTER		%	30.7	88.4	28	8
ASH		%	3.3	9.5	28	8
CRUDE FIBER		%	10.9	30.0	10	8
ETHER EXTRACT		%	1.0	3.4	68	8
NITROGEN FREE EXTRACT		%	15.7	45.9	11	8
PROTEIN		%	3.7	10.7	21	8
CATTLE	DIG PROT	% *	2.4	7.0		
GOATS	DIG PROT	% *	2.2	6.5		
HORSES	DIG PROT	% *	2.3	6.6		
RABBITS	DIG PROT	% *	2.4	6.9		
SHEEP	DIG PROT	% *	2.4	7.0		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.91	2.65		
SHEEP	DE KCAL/KG	*	0.91	2.65		
CATTLE	ME KCAL/KG	*	0.75	2.17		
SHEEP	ME KCAL/KG	*	0.74	2.17		
CATTLE	NE-M KCAL/KG	*	0.44	1.29		
CATTLE	NE-GAIN KCAL/KG	*	0.23	0.66		
CATTLE	NE-LACTATION KCAL/KG	*	0.46	1.36		
CATTLE	TDN	% *	20.6	60.1		
SHEEP	TDN	% *	20.6	60.1		
CALCIUM		%	0.11	0.32		1
PHOSPHORUS		%	0.04	0.12		1
SORGHUM VULGARE, AERIAL PART, FRESH CHOPPED FERTILIZED, EARLY BLOOM, CUT 1, (2)						
REF NO 2-13-500						
DRY MATTER		%	17.0	100.0		2
ORGANIC MATTER		%	15.9	93.8		
ASH		%	1.0	6.2		2
ETHER EXTRACT		%	0.4	2.4		2
PROTEIN		%	1.9	10.9		2
CATTLE	DIG PROT	% *	1.2	7.2		
GOATS	DIG PROT	% *	1.1	6.8		
HORSES	DIG PROT	% *	1.2	6.8		
RABBITS	DIG PROT	% *	1.2	7.1		
SHEEP	DIG PROT	% *	1.2	7.2		
CELL WALLS (VAN SOEST)		%	12.0	70.8		2
FIBER, ACID DETERGENT (VS)		%	7.2	42.5		2
SORGHUM VULGARE, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)						
REF NO 2-10-259						
DRY MATTER		%	16.1	100.0	11	6
ORGANIC MATTER		%	15.1	93.9		
ASH		%	1.0	6.1	8	6
ETHER EXTRACT		%	0.4	2.4	5	6
PROTEIN		%	1.6	9.9	11	6
CATTLE	DIG PROT	% *	1.0	6.3		
GOATS	DIG PROT	% *	0.9	5.8		
HORSES	DIG PROT	% *	1.0	5.9		
RABBITS	DIG PROT	% *	1.0	6.3		
SHEEP	DIG PROT	% *	1.0	6.2		
CELL WALLS (VAN SOEST)		%	11.3	70.2	2	6
FIBER, ACID DETERGENT (VS)		%	6.8	42.1	4	6
SORGHUM VULGARE, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 2, (2)						
REF NO 2-13-491						
DRY MATTER		%	16.7	100.0	14	8
ORGANIC MATTER		%	15.5	93.1		
ASH		%	1.1	6.9	7	8
ETHER EXTRACT		%	0.4	2.2	11	8
PROTEIN		%	1.4	8.3	12	8
CATTLE	DIG PROT	% *	0.8	4.9		
GOATS	DIG PROT	% *	0.7	4.3		
HORSES	DIG PROT	% *	0.8	4.5		
RABBITS	DIG PROT	% *	0.8	5.1		
SHEEP	DIG PROT	% *	0.8	4.7		
CELL WALLS (VAN SOEST)		%	11.8	70.9	4	7
FIBER, ACID DETERGENT (VS)		%	7.5	45.0	4	8
SORGHUM VULGARE, AERIAL PART NO GRAIN, FRESH, (2)						
REF NO 2-17-401						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.0		
ASH		%		16.0		1
CRUDE FIBER		%		32.6		1
ETHER EXTRACT		%		2.0		1
NITROGEN FREE EXTRACT		%		41.7		1
PROTEIN		%		7.0		1
CATTLE	DIG PROT	% *		4.8		
GOATS	DIG PROT	% *		3.8		
HORSES	DIG PROT	% *		3.9		
RABBITS	DIG PROT	% *		4.6		
SHEEP	DIG PROT	% *		3.9		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		0.10		
SHEEP	DE KCAL/KG	*		0.00		
CATTLE	ME KCAL/KG	*		1.79		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	ME MCAL/KG *		1.97		
CATTLE	NE-M MCAL/KG *		1.06		
CATTLE	NE-GAIN MCAL/KG *		0.25		
CATTLE	NE-LACTATION MCAL/KG *		0.98		
CATTLE	TDN % *		49.4		
SHEEP	TDN % *		54.4		

SORGHUM VULGARE, HEADS, FRESH, (2)

REF NO 2-06-318

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	42.1	100.0	20	19
ORGANIC MATTER	%	39.5	93.8		
ASH	%	2.6	6.2	25	20
CRUDE FIBER	%	5.6	13.2	36	20
ETHER EXTRACT	%	0.6	1.5	32	20
NITROGEN FREE EXTRACT	%	28.6	68.0	8	20
PROTEIN	%	4.7	11.1	9	20
CATTLE	DIG PROT % *	3.1	7.3		
GOATS	DIG PROT % *	2.9	6.9		
HORSES	DIG PROT % *	2.9	6.9		
RABBITS	DIG PROT % *	3.0	7.2		
SHEEP	DIG PROT % *	3.1	7.3		
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG *	1.59	3.78		
SHEEP	DE MCAL/KG *	1.45	3.48		
CATTLE	ME MCAL/KG *	1.30	3.10		
SHEEP	ME MCAL/KG *	1.19	2.82		
CATTLE	NE-M MCAL/KG *	0.87	2.06		
CATTLE	NE-GAIN MCAL/KG *	0.58	1.37		
CATTLE	NE-LACTATION MCAL/KG *	0.94	2.24		
CATTLE	TDN % *	36.1	85.8		
SHEEP	TDN % *	32.9	78.1		

SORGHUM VULGARE, LEAVES, FRESH, (2)

REF NO 2-11-706

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	25.9	100.0	19	19
ORGANIC MATTER	%	22.5	86.8		
ASH	%	3.4	13.2	28	71
CRUDE FIBER	%	7.5	29.1	17	71
ETHER EXTRACT	%	0.6	2.3	40	71
NITROGEN FREE EXTRACT	%	12.0	46.3	9	71
PROTEIN	%	2.4	9.1	30	71
CATTLE	DIG PROT % *	1.5	5.6		
GOATS	DIG PROT % *	1.3	5.1		
HORSES	DIG PROT % *	1.4	5.3		
RABBITS	DIG PROT % *	1.5	5.7		
SHEEP	DIG PROT % *	1.4	5.5		
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG *	0.64	2.48		
SHEEP	DE MCAL/KG *	0.66	2.54		
CATTLE	ME MCAL/KG *	0.52	2.01		
SHEEP	ME MCAL/KG *	0.54	2.09		
CATTLE	NE-M MCAL/KG *	0.31	1.19		
CATTLE	NE-GAIN MCAL/KG *	0.13	0.50		
CATTLE	NE-LACTATION MCAL/KG *	0.31	1.20		
CATTLE	TDN % *	14.4	55.7		
SHEEP	TDN % *	15.0	57.7		
CALCIUM	%	0.19	0.75	98	50
PHOSPHORUS	%	0.10	0.38	20	50

SORGHUM VULGARE, STEMS, FRESH, (2)

REF NO 2-06-320

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.0	100.0	19	21
ORGANIC MATTER	%	20.9	93.3		
ASH	%	1.9	6.7	24	25
CRUDE FIBER	%	7.0	32.0	21	25
ETHER EXTRACT	%	0.3	1.2	19	25
NITROGEN FREE EXTRACT	%	12.9	57.0	10	23
PROTEIN	%	0.7	3.1	48	25
CATTLE	DIG PROT % *	0.1	0.4		
GOATS	DIG PROT % *	-0.1	-0.5		
HORSES	DIG PROT % *	0.0	0.2		
RABBITS	DIG PROT % *	0.2	1.1		
SHEEP	DIG PROT % *	-0.0	-0.1		
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG *	0.52	2.35		
SHEEP	DE MCAL/KG *	0.56	2.53		
CATTLE	ME MCAL/KG *	0.42	1.92		
SHEEP	ME MCAL/KG *	0.46	2.08		
CATTLE	NE-M MCAL/KG *	0.25	1.13		
CATTLE	NE-GAIN MCAL/KG *	0.09	0.41		
CATTLE	NE-LACTATION MCAL/KG *	0.25	1.12		
CATTLE	TDN % *	11.7	53.2		
SHEEP	TDN % *	12.6	57.5		

SORGHUM VULGARE, AERIAL PART, ENSILED, (3)
SORGHUM FODDER SILAGE

REF NO 3-04-323

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.0	100.0	19	37
ORGANIC MATTER	%	26.3	90.5	28	6
ASH	%	2.5	8.7	28	77
CRUDE FIBER	%	9.9	34.0	11	77
ETHER EXTRACT	%	0.9	3.1	44	77
NITROGEN FREE EXTRACT	%	13.7	47.2	9	77
PROTEIN	%	2.0	7.0	23	79
CATTLE	DIG PROT % *	0.7	2.6		
GOATS	DIG PROT % *	0.7	2.6		
HORSES	DIG PROT % *	0.7	2.6		
SHEEP	DIG PROT % *	0.7	2.6		
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG *	0.71	2.45		
SHEEP	DE MCAL/KG *	0.75	2.57		
CATTLE	ME MCAL/KG *	0.58	2.01		
SHEEP	ME MCAL/KG *	0.61	2.11		
CATTLE	NE-M MCAL/KG *	0.34	1.18		
CATTLE	NE-GAIN MCAL/KG *	0.14	0.50		
CATTLE	NE-LACTATION MCAL/KG *	0.35	1.20		
CATTLE	TDN % *	16.1	55.5		
SHEEP	TDN % *	16.9	58.2		
CALCIUM	%	0.09	0.32	98	11
PHOSPHORUS	%	0.07	0.25	37	12

SORGHUM VULGARE, AERIAL PART, ENSILED, EARLY VEGETATIVE, (3)

REF NO 3-13-099

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.7	100.0		5
ORGANIC MATTER	%	22.9	92.7		6
ASH	%	1.8	7.3		6
SHEEP	DIG COEF %	33.	33.		
PROTEIN	%	1.3	5.4		6
CATTLE	DIG PROT % *	0.3	1.1		
GOATS	DIG PROT % *	0.3	1.1		
HORSES	DIG PROT % *	0.3	1.1		
SHEEP	DIG PROT % *	0.3	1.1		

SORGHUM VULGARE, AERIAL PART, ENSILED, MIDBLOOM, (3)

REF NO 3-17-673

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.1		
ASH	%		13.9		1
CRUDE FIBER	%		43.6		1
ETHER EXTRACT	%		1.5		1
NITROGEN FREE EXTRACT	%		38.2		1
PROTEIN	%		2.8		1
CATTLE	DIG PROT % *		-1.2		
GOATS	DIG PROT % *		-1.2		
HORSES	DIG PROT % *		-1.2		
SHEEP	DIG PROT % *		-1.2		

SORGHUM VULGARE, AERIAL PART, ENSILED, MILK STAGE, (3)

REF NO 3-10-233

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.5	100.0	12	6
ORGANIC MATTER	%	24.3	91.7	20	8
ASH	%	2.2	8.3	28	8
SHEEP	DIG COEF %	42.	42.		
CRUDE FIBER	%	9.4	35.5		3
ETHER EXTRACT	%	0.5	1.8		3
NITROGEN FREE EXTRACT	%	12.7	48.0		3
PROTEIN	%	3.7	6.4	10	8
CATTLE	DIG PROT % *	0.5	2.0		
GOATS	DIG PROT % *	0.5	2.0		
HORSES	DIG PROT % *	0.5	2.0		
SHEEP	DIG PROT % *	0.5	2.0		
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG *	0.64	2.40		
SHEEP	DE MCAL/KG *	0.63	2.38		
CATTLE	ME MCAL/KG *	0.52	1.97		
SHEEP	ME MCAL/KG *	0.52	1.95		
CATTLE	NE-M MCAL/KG *	0.31	1.16		
CATTLE	NE-GAIN MCAL/KG *	0.12	0.46		
CATTLE	NE-LACTATION MCAL/KG *	0.31	1.16		
CATTLE	TDN % *	14.5	54.5		
SHEEP	TDN % *	14.3	54.0		
CALCIUM	%	0.09	0.34		3
MAGNESIUM	%	0.03	0.12		3
PHOSPHORUS	%	0.05	0.17		3
POTASSIUM	%	0.31	1.16		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, ENSILED, DOUGH STAGE, (3)						
REF NO 3-04-321						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.2		
ASH		%		10.8		1
CRUDE FIBER		%		29.0		1
ETHER EXTRACT		%		1.5		1
NITROGEN FREE EXTRACT		%		53.1		1
PROTEIN		%		5.6		1
CATTLE	DIG PROT	% *		1.3		
GOATS	DIG PROT	% *		1.3		
HORSES	DIG PROT	% *		1.3		
SHEEP	DIG PROT	% *		1.3		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*		2.52		
CATTLE	ME KCAL/KG	*		2.06		
CATTLE	NE-M KCAL/KG	*		1.22		
CATTLE	NE-GAIN KCAL/KG	*		0.55		
CATTLE	NE-LACTATION KCAL/KG	*		1.25		
CATTLE	TDN	% *		57.1		
SORGHUM VULGARE, AERIAL PART, ENSILED, MATURE, (3)						
REF NO 3-04-322						
DRY MATTER		%	28.2	100.0		1
ORGANIC MATTER		%	25.8	91.6		2
ASH		%	2.5	8.7		3
SHEEP	DIG COEF	%	36.	36.		
CRUDE FIBER		%	10.6	37.7		1
ETHER EXTRACT		%	0.7	2.4		1
NITROGEN FREE EXTRACT		%	12.8	45.3		1
PROTEIN		%	1.7	5.9		3
CATTLE	DIG PROT	% *	0.4	1.6		
GOATS	DIG PROT	% *	0.4	1.6		
HORSES	DIG PROT	% *	0.4	1.6		
SHEEP	DIG PROT	% *	0.4	1.6		
CELLULOSE (CRAMPTON)		%	9.2	32.7		2
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	0.66	2.33		
CATTLE	ME KCAL/KG	*	0.54	1.91		
CATTLE	NE-M KCAL/KG	*	0.32	1.13		
CATTLE	NE-GAIN KCAL/KG	*	0.11	0.39		
CATTLE	NE-LACTATION KCAL/KG	*	0.31	1.10		
CATTLE	TDN	% *	14.9	52.8		
CALCIUM		%	0.23	0.81		1
PHOSPHORUS		%	0.47	1.67		1
SORGHUM VULGARE, AERIAL PART, ENSILED DEHY, (3)						
REF NO 3-13-793						
DRY MATTER		%	87.6	100.0		1
ORGANIC MATTER		%	80.2	91.6		1
ASH		%	7.4	8.4		1
CRUDE FIBER		%	33.9	37.9		1
ETHER EXTRACT		%	2.3	2.6		1
NITROGEN FREE EXTRACT		%	38.9	44.4		1
PROTEIN		%	5.8	6.6		1
CATTLE	DIG PROT	% *	2.0	2.2		
GOATS	DIG PROT	% *	2.0	2.2		
HORSES	DIG PROT	% *	2.0	2.2		
SHEEP	DIG PROT	% *	2.0	2.2		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	2.04	2.33		
SHEEP	DE KCAL/KG	*	2.12	2.42		
CATTLE	ME KCAL/KG	*	1.67	1.91		
SHEEP	ME KCAL/KG	*	1.74	1.98		
CATTLE	NE-M KCAL/KG	*	0.99	1.13		
CATTLE	NE-GAIN KCAL/KG	*	0.34	0.39		
CATTLE	NE-LACTATION KCAL/KG	*	0.97	1.10		
CATTLE	TDN	% *	46.3	52.9		
SHEEP	TDN	% *	48.1	54.9		
CALCIUM		%	0.56	0.64		1
PHOSPHORUS		%	0.17	0.19		1
SORGHUM VULGARE, AERIAL PART W 12% UREA ADDED, ENSILED, EARLY VEGETATIVE, (3)						
REF NO 3-13-098						
DRY MATTER		%	24.5	100.0		4
ORGANIC MATTER		%	21.9	89.2		4
ASH		%	2.6	10.8		4
SHEEP	DIG COEF	%	34.	34.		
PROTEIN		%	2.5	10.1		4
CATTLE	DIG PROT	% *	1.3	5.4		
GOATS	DIG PROT	% *	1.3	5.4		
HORSES	DIG PROT	% *	1.3	5.4		
SHEEP	DIG PROT	% *	1.3	5.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART W 12% UREA ADDED, ENSILED, MILK STAGE, (3)						
REF NO 3-13-100						
DRY MATTER		%	29.5	100.0		4
ORGANIC MATTER		%	26.7	90.4		4
ASH		%	2.8	9.6		4
SHEEP	DIG COEF	%	39.	39.		
PROTEIN		%	2.1	7.1		4
CATTLE	DIG PROT	% *	0.8	2.7		
GOATS	DIG PROT	% *	0.8	2.7		
HORSES	DIG PROT	% *	0.8	2.7		
SHEEP	DIG PROT	% *	0.8	2.7		
SORGHUM VULGARE, HEADS, ENSILED, POST RIPE, (3)						
REF NO 3-17-403						
DRY MATTER		%	68.6	100.0		1
ORGANIC MATTER		%	67.3	98.1		
ASH		%	1.3	1.9		1
CRUDE FIBER		%	3.6	5.2		1
ETHER EXTRACT		%	2.3	3.4		1
NITROGEN FREE EXTRACT		%	54.8	79.9		1
PROTEIN		%	6.6	9.6		1
CATTLE	DIG PROT	% *	3.4	4.9		
GOATS	DIG PROT	% *	3.4	4.9		
HORSES	DIG PROT	% *	3.4	4.9		
SHEEP	DIG PROT	% *	3.4	4.9		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	2.46	3.59		
SHEEP	DE KCAL/KG	*	2.64	3.85		
CATTLE	ME KCAL/KG	*	2.02	2.94		
SHEEP	ME KCAL/KG	*	2.17	3.16		
CATTLE	NE-M KCAL/KG	*	1.31	1.90		
CATTLE	NE-GAIN KCAL/KG	*	0.87	1.27		
CATTLE	NE-LACTATION KCAL/KG	*	1.43	2.09		
CATTLE	TDN	% *	55.8	81.3		
SHEEP	TDN	% *	59.9	87.4		
SORGHUM VULGARE, GRAIN, (4)						
REF NO 4-04-327						
DRY MATTER		%	87.2	100.0	9	76
ORGANIC MATTER		%	85.0	97.6	68	16
ASH		%	2.3	2.6	68	89
SHEEP	DIG COEF	%	34.	34.		
CRUDE FIBER		%	3.7	4.2	90	94
SHEEP	DIG COEF	%	40.	40.		1
ETHER EXTRACT		%	2.9	3.3	29	94
SHEEP	DIG COEF	%	97.	97.		1
NITROGEN FREE EXTRACT		%	68.9	79.1	7	87
SHEEP	DIG COEF	%	75.	75.		1
PROTEIN		%	9.4	10.8	17	98
SHEEP	DIG COEF	%	19.	19.		1
CATTLE	DIG PROT	% *	5.2	5.9		
GOATS	DIG PROT	% *	6.2	7.1		
HORSES	DIG PROT	% *	6.2	7.1		
SHEEP	DIG PROT	%	1.8	2.0		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	2.98	3.42		
SHEEP	DE KCAL/KG	*	2.70	3.10		
SWINE	DE KCAL/KG	*	3253.	3733.		
CATTLE	ME KCAL/KG	*	2.45	2.81		
SHEEP	ME KCAL/KG	*	2.21	2.54		
SWINE	ME KCAL/KG	*	3052.	3502.		
CATTLE	NE-M KCAL/KG	*	1.55	1.78		
CATTLE	NE-GAIN KCAL/KG	*	1.03	1.18		
CATTLE	NE-LACTATION KCAL/KG	*	1.71	1.96		
CATTLE	TDN	% *	67.7	77.7		
SHEEP	TDN	%	61.3	70.3		1
SWINE	TDN	% *	73.8	84.7		
CALCIUM		%	0.11	0.12	99	14
IRON		%	0.014	0.016	98	9
PHOSPHORUS		%	0.42	0.48	87	13
NIACIN		MG/KG	30.0	34.4		3
RIBOFLAVIN		MG/KG				
THIAMINE		MG/KG				
VITAMIN A EQUIV		IU/G	0.8	0.8		
ALANINE		%	0.76	0.87	42	9
ARGININE		%	0.63	0.72	43	11
ASPARTIC ACID		%	0.56	0.65	51	4
CYSTINE		%	0.12	0.13	41	8
GLUTAMIC ACID		%	1.27	1.46	29	4
GLYCINE		%	0.46	0.53	41	10
HISTIDINE		%	0.26	0.30	46	10
ISOLEUCINE		%	0.37	0.42	30	10
LEUCINE		%	0.99	1.13	42	10
LYSINE		%	0.29	0.34	60	20
METHIONINE		%	0.13	0.14	34	20
PHENYLALANINE		%	0.46	0.53	34	10
PROLINE		%	0.47	0.54	30	9
SERINE		%	0.38	0.44	27	9
THREONINE		%	0.34	0.39	17	10

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRYPTUPHAN	%	0.08	0.10	36	9
TYROSINE	%	0.41	0.47	36	10
VALINE	%	0.50	0.58	27	10

SORGHUM VULGARE, GRAIN, GRND, (4)

REF NO 4-04-713

DRY MATTER	%	87.1	100.0	2	97
ORGANIC MATTER	%	83.9	96.4	55	6
ASH	%	4.1	4.7	55	98
CRUDE FIBER	%	3.0	3.5	52	98
ETHER EXTRACT	%	2.9	3.3	18	98
NITROGEN FREE EXTRACT	%	68.5	78.7	9	98
PROTEIN	%	8.6	9.9	14	98
CATTLE DIG PROT	% *	4.4	5.1		
GOATS DIG PROT	% *	5.5	6.3		
HORSES DIG PROT	% *	5.5	6.3		
SHEEP DIG PROT	% *	5.5	6.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.74	3.15		
SHEEP DE	MCAL/KG *	3.21	3.68		
SWINE DE	KCAL/KG *	3193.	3666.		
CATTLE ME	MCAL/KG *	2.25	2.58		
SHEEP ME	MCAL/KG *	2.63	3.02		
SWINE ME	KCAL/KG *	3002.	3446.		
CATTLE NE-M	MCAL/KG *	1.38	1.59		
CATTLE NE-GAIN	MCAL/KG *	0.89	1.02		
CATTLE NE-LACTATION	MCAL/KG *	1.52	1.74		
CATTLE TDN	% *	62.2	71.4		
SHEEP TDN	% *	72.8	83.5		
SWINE TDN	% *	72.4	83.1		
CALCIUM	%	0.04	0.05		3
IRON	%	0.005	0.006		1
PHOSPHORUS	%	0.18	0.21		3

SORGHUM VULGARE, GRAIN W 2.75% FISH MEAL ADDED, GRND, (4)

REF NO 4-13-488

DRY MATTER	%	90.9	100.0		1
ORGANIC MATTER	%	89.0	97.9		1
ASH	%	1.9	2.1		1
CRUDE FIBER	%	3.9	4.3		1
ETHER EXTRACT	%	3.8	4.2		1
NITROGEN FREE EXTRACT	%	68.9	75.8		1
PROTEIN	%	12.4	13.6		1
CATTLE DIG PROT	% *	7.6	8.5		
GOATS DIG PROT	% *	8.8	9.7		
HORSES DIG PROT	% *	8.8	9.7		
SHEEP DIG PROT	% *	8.8	9.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.30	3.63		
SHEEP DE	MCAL/KG *	3.40	3.74		
SWINE DE	KCAL/KG *	3405.	3746.		
CATTLE ME	MCAL/KG *	2.71	2.98		
SHEEP ME	MCAL/KG *	2.79	3.06		
SWINE ME	KCAL/KG *	3175.	3493.		
CATTLE NE-M	MCAL/KG *	1.76	1.94		
CATTLE NE-GAIN	MCAL/KG *	1.18	1.29		
CATTLE NE-LACTATION	MCAL/KG *	1.93	2.12		
CATTLE TDN	% *	74.9	82.4		
SHEEP TDN	% *	77.0	84.7		
SWINE TDN	% *	77.2	85.0		

SORGHUM VULGARE, HEADS, GRND, (4)

REF NO 4-13-558

DRY MATTER	%	92.1	100.0		3
ORGANIC MATTER	%	89.5	97.1		1
ASH	%	4.2	4.5		3
CRUDE FIBER	%	9.1	9.9		3
ETHER EXTRACT	%	3.0	3.2		3
NITROGEN FREE EXTRACT	%	68.5	74.3		3
PROTEIN	%	7.4	8.0		3
CATTLE DIG PROT	% *	3.1	3.4		
GOATS DIG PROT	% *	4.2	4.6		
HORSES DIG PROT	% *	4.2	4.6		
SHEEP DIG PROT	% *	4.2	4.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.71	2.94		
SHEEP DE	MCAL/KG *	3.22	3.49		
SWINE DE	KCAL/KG *	3238.	3503.		
CATTLE ME	MCAL/KG *	2.02	2.41		
SHEEP ME	MCAL/KG *	2.54	2.86		
SWINE ME	KCAL/KG *	3046.	3306.		
CATTLE NE-M	MCAL/KG *	1.34	1.45		
CATTLE NE-GAIN	MCAL/KG *	0.81	0.88		
CATTLE NE-LACTATION	MCAL/KG *	1.46	1.58		
CATTLE TDN	% *	61.4	66.7		
SHEEP TDN	% *	73.0	79.5		
SWINE TDN	% *	73.3	79.6		
CALCIUM	%	0.29	0.31		1
PHOSPHORUS	%	0.14	0.15		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO

SORGHUM VULGARE, SORGHUM, ATLAS

SORGHUM VULGARE ATLAS, AERIAL PART, FRESH, (2)

REF NO 2-04-339

DRY MATTER	%	19.0	100.0		1
ORGANIC MATTER	%	17.8	93.7		
ASH	%	1.2	6.3		1
CRUDE FIBER	%	5.0	26.3		1
ETHER EXTRACT	%	0.2	1.1		1
NITROGEN FREE EXTRACT	%	11.3	59.5		1
PROTEIN	%	1.3	6.8		1
CATTLE DIG PROT	% *	0.7	3.7		
GOATS DIG PROT	% *	0.6	2.9		
HORSES DIG PROT	% *	0.6	3.3		
RABBITS DIG PROT	% *	0.8	4.0		
SHEEP DIG PROT	% *	0.6	3.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.52	2.73		
SHEEP DE	MCAL/KG *	0.53	2.78		
CATTLE ME	MCAL/KG *	0.43	2.24		
SHEEP ME	MCAL/KG *	0.43	2.28		
CATTLE NE-M	MCAL/KG *	0.25	1.33		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.72		
CATTLE NE-LACTATION	MCAL/KG *	0.27	1.42		
CATTLE TDN	% *	11.8	61.9		
SHEEP TDN	% *	12.0	63.1		

SORGHUM VULGARE, SORGHUM, FS 22

SORGHUM VULGARE FS 22, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-176

DRY MATTER	%	14.7	100.0		[illegible]
PROTEIN	%	2.2	14.9		1
CATTLE DIG PROT	% *	1.6	10.6		
GOATS DIG PROT	% *	1.5	10.5		
HORSES DIG PROT	% *	1.5	10.2		
RABBITS DIG PROT	% *	1.5	10.2		
SHEEP DIG PROT	% *	1.6	10.9		

SORGHUM VULGARE FS 22, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-182

DRY MATTER	%	18.8	100.0	20	5
ORGANIC MATTER	%	17.0	90.2		
ASH	%	1.8	9.8		1
PROTEIN	%	2.5	13.5	22	5
CATTLE DIG PROT	% *	1.8	9.3		
GOATS DIG PROT	% *	1.7	9.1		
HORSES DIG PROT	% *	1.7	9.0		
RABBITS DIG PROT	% *	1.7	9.1		
SHEEP DIG PROT	% *	1.8	9.8		
CALCIUM	%	0.66	0.33	9	4
PHOSPHORUS	%	0.04	0.20		3

SORGHUM VULGARE FS 22, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)

REF NO 2-13-734

DRY MATTER	%		100.0		
ORGANIC MATTER	%		91.1		
ASH	%		8.9		1
CRUDE FIBER	%		28.9		1
ETHER EXTRACT	%		2.8		1
NITROGEN FREE EXTRACT	%		55.0		1
PROTEIN	%		8.8		1
CATTLE DIG PROT	% *		2.0		
GOATS DIG PROT	% *		1.8		
HORSES DIG PROT	% *		1.6		
RABBITS DIG PROT	% *		2.6		
SHEEP DIG PROT	% *		1.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.73		
SHEEP DE	MCAL/KG *		2.63		
CATTLE ME	MCAL/KG *		2.20		
SHEEP ME	MCAL/KG *		2.15		
CATTLE NE-M	MCAL/KG *		1.33		
CATTLE NE-GAIN	MCAL/KG *		0.72		
CATTLE NE-LACTATION	MCAL/KG *		1.41		
CATTLE TDN	% *		61.8		
SHEEP TDN	% *		59.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE FS 22, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)						
REF NO 2-13-166						
DRY MATTER		%	19.7	100.0	23	7
DM IN VITRO (TILLY)	DIG COEF	%	67.	67.		1
PROTEIN		%	2.5	12.9	24	7
CATTLE	DIG PROT	% *	1.7	8.8		
GOATS	DIG PROT	% *	1.7	8.6		
HORSES	DIG PROT	% *	1.7	8.5		
RABBITS	DIG PROT	% *	1.7	8.6		
SHEEP	DIG PROT	% *	1.8	9.0		
CALCIUM		%	0.11	0.58	30	4
PHOSPHORUS		%	0.04	0.22	30	4
SORGHUM VULGARE FS 22, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-13-733						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.4		
ASH		%		10.6		1
CRUDE FIBER		%		22.6		1
ETHER EXTRACT		%		5.1		1
NITROGEN FREE EXTRACT		%		46.3		1
PROTEIN		%		15.4		1
CATTLE	DIG PROT	% *		11.0		
GOATS	DIG PROT	% *		10.9		
HORSES	DIG PROT	% *		10.6		
RABBITS	DIG PROT	% *		10.6		
SHEEP	DIG PROT	% *		11.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.65		
SHEEP	DE	MCAL/KG *		2.89		
CATTLE	ME	MCAL/KG *		2.99		
SHEEP	ME	MCAL/KG *		2.37		
CATTLE	NE-M	MCAL/KG *		1.96		
CATTLE	NE-GAIN	MCAL/KG *		1.30		
CATTLE	NE-LACTATION	MCAL/KG *		2.14		
CATTLE	TDN	% *		82.8		
SHEEP	TDN	% *		(65.6)		

SORGHUM VULGARE, SORGHUM, GRAIN VARIETY

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE GRAIN VARIETY, GRAIN, (8)						
REF NO 4-04-383						
DRY MATTER		%	(88.5)	(100.0)	1	4
ORGANIC MATTER		%	86.3	97.6		
ASH		%	2.1	2.4		1
CRUDE FIBER		%	2.3	2.6		1
ETHER EXTRACT		%	3.1	3.5		1
NITROGEN FREE EXTRACT		%	72.0	81.5		1
PROTEIN		%	8.9	10.0		1
CATTLE	DIG PROT	% *	4.6	5.2		
GOATS	DIG PROT	% *	5.7	6.4		
HORSES	DIG PROT	% *	5.7	6.4		
SHEEP	DIG PROT	% *	5.7	6.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.06	3.46		
SHEEP	DE	MCAL/KG *	3.36	3.79		
SWINE	DE	KCAL/KG *	3318.	3751.		
CATTLE	ME	MCAL/KG *	2.51	2.84		
CHICKENS	ME-N	KCAL/KG	3370.	3810.		1
SHEEP	ME	MCAL/KG *	2.75	3.11		
SWINE	ME	KCAL/KG *	3118.	3525.		
CATTLE	NE-M	MCAL/KG *	1.60	1.81		
CATTLE	NE-GAIN	MCAL/KG *	1.06	1.20		
CATTLE	NE-LACTATION	MCAL/KG *	(1.76)	(1.99)		
CHICKENS	PRODUCTIVE	KCAL/KG	2471.	2794.		1
CATTLE	TDN	% *	69.5	78.6		
SHEEP	TDN	% *	76.1	86.0		
SWINE	TDN	% *	(75.1)	(85.1)		
CALCIUM		%	(0.03)	(0.03)		1
CHLORINE		%	(0.09)	(0.10)		1
COBALT		MG/KG	(0.122)	(0.138)		1
PHOSPHORUS		%	(0.29)	(0.32)		1
SODIUM		%	(0.04)	(0.05)		1
SULPHUR		%	(0.16)	(0.18)		1
ZINC		%	(6.2)	(7.0)		1
CHOLINE		MG/KG	(449.)	(508.)		1
NIACIN		MG/KG	(41.1)	(46.5)		1
PANTOTHENIC ACID		MG/KG	(11.7)	(13.2)		1
RIBOFLAVIN		MG/KG	(1.1)	(1.3)		1
ARGININE		%	(0.38)	(0.43)		2
CYSTINE		%	(0.15)	(0.17)		2
GLUTAMIC ACID		%	(2.40)	(2.60)		1
GLYCINE		%	(0.31)	(0.35)		1
HISTIDINE		%	(0.27)	(0.30)		1
ISOLEUCINE		%	(0.53)	(0.60)		1
LEUCINE		%	(1.42)	(1.60)		1
LYSINE		%	(0.29)	(0.32)		2
METHIONINE		%	(0.12)	(0.14)		2
PHENYLALANINE		%	(0.44)	(0.50)		1
SERINE		%	(0.53)	(0.60)		1
THREONINE		%	(0.27)	(0.30)		1
TRYPTOPHAN		%	(0.10)	(0.11)		2
TYROSINE		%	(0.35)	(0.40)		1
VALINE		%	(0.53)	(0.60)		1
XANTHOPHYLL		MG/KG	1.12	1.27		1

SORGHUM VULGARE, SORGHUM, NK 300

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE NK 300, AERIAL PART, FRESH, (2)						
REF NO 2-17-674						
DRY MATTER		%	20.3	100.0		1
ORGANIC MATTER		%	18.4	90.8		
ASH		%	1.9	9.2		1
CRUDE FIBER		%	6.4	31.3		1
ETHER EXTRACT		%	0.3	1.3		1
NITROGEN FREE EXTRACT		%	10.3	50.9		1
PROTEIN		%	1.5	7.2		1
CATTLE	DIG PROT	% *	0.8	4.0		
GOATS	DIG PROT	% *	0.7	3.3		
HORSES	DIG PROT	% *	0.7	3.7		
RABBITS	DIG PROT	% *	0.9	4.2		
SHEEP	DIG PROT	% *	0.8	3.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.50	2.46		
SHEEP	DE	MCAL/KG *	0.52	2.54		
CATTLE	ME	MCAL/KG *	0.41	2.04		
SHEEP	ME	MCAL/KG *	0.42	2.08		
CATTLE	NE-M	MCAL/KG *	0.24	1.20		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.53		
CATTLE	NE-LACTATION	MCAL/KG *	0.25	1.22		
CATTLE	TDN	% *	11.4	56.3		
SHEEP	TDN	% *	11.7	57.6		
SORGHUM VULGARE NK 300, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-183						
DRY MATTER		%	20.1	100.0	14	4
ORGANIC MATTER		%	18.3	91.0		
ASH		%	1.8	9.0		1
PROTEIN		%	2.6	13.1	22	4
CATTLE	DIG PROT	% *	1.8	9.0		
GOATS	DIG PROT	% *	1.8	8.8		
HORSES	DIG PROT	% *	1.7	8.6		
RABBITS	DIG PROT	% *	1.8	8.8		
SHEEP	DIG PROT	% *	1.8	9.2		
CALCIUM		%	0.06	0.29		3
PHOSPHORUS		%	0.04	0.20		3
SORGHUM VULGARE NK 300, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)						
REF NO 2-13-137						
DRY MATTER		%	21.2	100.0	17	4
PROTEIN		%	3.2	14.9	20	4
CATTLE	DIG PROT	% *	2.2	10.6		
GOATS	DIG PROT	% *	2.2	10.5		
HORSES	DIG PROT	% *	2.2	10.2		
RABBITS	DIG PROT	% *	2.2	10.2		
SHEEP	DIG PROT	% *	2.3	10.9		
CALCIUM		%	0.11	0.53		3
PHOSPHORUS		%	0.05	0.22		3
SORGHUM VULGARE NK 300, LEAVES, FRESH, (2)						
REF NO 2-17-700						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.0		
ASH		%		12.0		1
CRUDE FIBER		%		33.3		1
ETHER EXTRACT		%		1.6		1
NITROGEN FREE EXTRACT		%		43.2		1
PROTEIN		%		9.8		1
CATTLE	DIG PROT	% *		6.3		
GOATS	DIG PROT	% *		5.7		
HORSES	DIG PROT	% *		5.9		
RABBITS	DIG PROT	% *		6.3		
SHEEP	DIG PROT	% *		6.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.49		
SHEEP	DE	MCAL/KG *		2.47		
CATTLE	ME	MCAL/KG *		2.01		
SHEEP	ME	MCAL/KG *		2.03		
CATTLE	NE-M	MCAL/KG *		1.19		
CATTLE	NE-GAIN	MCAL/KG *		0.58		
CATTLE	NE-LACTATION	MCAL/KG *		1.20		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CATTLE		TDN % *		55.7	
SHEEP		TDN % *		56.1	
CALCIUM		%		0.54	1
PHOSPHORUS		%		0.50	1

SORGHUM VULGARE. SORGHUM, NK 320

SORGHUM VULGARE NK 320, AERIAL PART, FRESH, (2)

REF NO 2-17-675

DRY MATTER		%	21.6	100.0	1
ORGANIC MATTER		%	19.5	90.5	
ASH		%	2.1	9.5	2
CRUDE FIBER		%	5.9	27.5	2
ETHER EXTRACT		%	0.5	2.1	2
NITROGEN FREE EXTRACT		%	11.5	53.4	2
PROTEIN		%	1.6	7.5	2
CATTLE	DIG PROT % *		0.9	4.3	
GOATS	DIG PROT % *		0.8	3.6	
HORSES	DIG PROT % *		0.8	3.9	
RABBITS	DIG PROT % *		1.0	4.5	
SHEEP	DIG PROT % *		0.9	4.0	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		0.58	2.67	
SHEEP	DE MCAL/KG *		0.58	2.67	
CATTLE	ME MCAL/KG *		0.47	2.19	
SHEEP	ME MCAL/KG *		0.47	2.19	
CATTLE	NE-M MCAL/KG *		0.28	1.30	
CATTLE	NE-GAIN MCAL/KG *		0.15	0.68	
CATTLE	NE-LACTATION MCAL/KG *		0.30	1.37	
CATTLE	TDN % *		13.1	60.5	
SHEEP	TDN % *		13.1	60.5	

SORGHUM VULGARE NK 320, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)

REF NO 2-13-728

DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.3	
ASH		%		9.7	1
CRUDE FIBER		%		22.5	1
ETHER EXTRACT		%		2.3	1
NITROGEN FREE EXTRACT		%		56.6	1
PROTEIN		%		8.9	1
CATTLE	DIG PROT % *			5.5	
GOATS	DIG PROT % *			4.9	
HORSES	DIG PROT % *			5.1	
RABBITS	DIG PROT % *			5.5	
SHEEP	DIG PROT % *			5.3	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *			3.05	
SHEEP	DE MCAL/KG *			2.84	
CATTLE	ME MCAL/KG *			2.50	
SHEEP	ME MCAL/KG *			2.33	
CATTLE	NE-M MCAL/KG *			1.52	
CATTLE	NE-GAIN MCAL/KG *			0.95	
CATTLE	NE-LACTATION MCAL/KG *			1.67	
CATTLE	TDN % *			69.2	
SHEEP	TDN % *			64.5	

SORGHUM VULGARE. SORGHUM, SANTA ELIZA

SORGHUM VULGARE SANTA ELIZA, AERIAL PART, ENSILED, (3)

REF NO 3-09-653

DRY MATTER		%	24.4	100.0	2
ORGANIC MATTER		%	23.2	95.2	
ASH		%	1.2	4.9	2
CRUDE FIBER		%	9.8	40.2	2
CATTLE	DIG COEF %		67.	67.	1
SHEEP	DIG COEF %		64.	64.	1
ETHER EXTRACT		%	1.3	5.2	2
CATTLE	DIG COEF %		77.	77.	1
SHEEP	DIG COEF %		74.	74.	1
NITROGEN FREE EXTRACT		%	10.7	43.8	2
CATTLE	DIG COEF %		53.	53.	1
SHEEP	DIG COEF %		59.	59.	1
PROTEIN		%	1.5	6.0	2
CATTLE	DIG COEF %		44.	44.	1
SHEEP	DIG COEF %		32.	32.	1
CATTLE	DIG PROT %		0.6	2.6	
GOATS	DIG PROT % *		0.4	1.7	
HORSES	DIG PROT % *		0.4	1.7	
SHEEP	DIG PROT %		0.5	1.9	
ENERGY	GE KCAL/KG		1298.	5319.	2
CATTLE	GE DIG COEF %		57.	57.	1
SHEEP	GE DIG COEF %		59.	59.	1
CATTLE	DE MCAL/KG		0.74	2.03	
SHEEP	DE MCAL/KG		0.77	3.14	
CATTLE	ME MCAL/KG		0.61	2.49	
SHEEP	ME MCAL/KG *		0.63	2.57	
CATTLE	NE-M MCAL/KG *		0.37	1.51	
CATTLE	NE-GAIN MCAL/KG *		0.23	0.94	
CATTLE	NE-LACTATION MCAL/KG *		0.40	1.65	
CATTLE	TDN %		15.1	61.8	1
SHEEP	TDN %		15.2	62.1	1

SORGHUM VULGARE SANTA ELIZA, AERIAL PART, ENSILED, 99 TO 112 DAYS' GROWTH, (3)

REF NO 3-09-654

DRY MATTER		%	26.3	100.0	1
ORGANIC MATTER		%	24.3	92.5	
ASH		%	2.0	7.5	1
CRUDE FIBER		%	11.3	42.8	1
SHEEP	DIG COEF %		68.	68.	1
ETHER EXTRACT		%	0.7	2.8	1
SHEEP	DIG COEF %		44.	44.	1
NITROGEN FREE EXTRACT		%	10.2	38.8	1
SHEEP	DIG COEF %		48.	48.	1
PROTEIN		%	2.1	8.1	1
SHEEP	DIG COEF %		27.	27.	1
CATTLE	DIG PROT % *		0.9	3.6	
GOATS	DIG PROT % *		0.9	3.6	
HORSES	DIG PROT % *		0.9	3.6	
SHEEP	DIG PROT %		0.6	2.2	
ENERGY	GE KCAL/KG		1278.	4860.	1
SHEEP	GE DIG COEF %		49.	49.	1
SHEEP	DE MCAL/KG		0.63	2.38	
SHEEP	ME MCAL/KG *		0.51	1.95	
SHEEP	TDN %		13.9	52.7	1
CALCIUM		%	0.23	0.87	1
PHOSPHORUS		%	0.03	0.13	1

SORGHUM VULGARE SANTA ELIZA, AERIAL PART, ENSILED, 113 TO 126 DAYS' GROWTH, (3)

REF NO 3-09-655

DRY MATTER		%	31.6	100.0	1
ORGANIC MATTER		%	29.2	92.5	
ASH		%	2.4	7.5	1
CRUDE FIBER		%	13.5	42.8	1
SHEEP	DIG COEF %		73.	73.	1
ETHER EXTRACT		%	0.8	2.6	1
SHEEP	DIG COEF %		51.	51.	1
NITROGEN FREE EXTRACT		%	12.9	40.9	1
SHEEP	DIG COEF %		58.	58.	1
PROTEIN		%	2.0	6.2	1
SHEEP	DIG COEF %		36.	36.	1
CATTLE	DIG PROT % *		0.6	1.9	
GOATS	DIG PROT % *		0.6	1.9	
HORSES	DIG PROT % *		0.6	1.9	
SHEEP	DIG PROT %		0.7	2.2	
ENERGY	GE KCAL/KG		1562.	4944.	1
SHEEP	GE DIG COEF %		60.	60.	1
SHEEP	DE MCAL/KG		0.94	2.97	
SHEEP	ME MCAL/KG *		0.77	2.43	
SHEEP	TDN %		19.0	60.2	1
CALCIUM		%	0.24	0.76	1
PHOSPHORUS		%	0.03	0.09	1

SORGHUM VULGARE SANTA ELIZA, AERIAL PART, ENSILED, 127 TO 140 DAYS' GROWTH, (3)

REF NO 3-09-656

DRY MATTER		%	32.1	100.0	1
ORGANIC MATTER		%	30.2	94.1	
ASH		%	1.9	5.9	1
CRUDE FIBER		%	13.3	41.4	1
SHEEP	DIG COEF %		64.	64.	1
ETHER EXTRACT		%	1.0	3.2	1
SHEEP	DIG COEF %		58.	58.	1
NITROGEN FREE EXTRACT		%	14.0	43.8	1
SHEEP	DIG COEF %		54.	54.	1
PROTEIN		%	1.9	5.9	1
SHEEP	DIG COEF %		21.	21.	1
CATTLE	DIG PROT % *		0.5	1.6	
GOATS	DIG PROT % *		0.5	1.6	
HORSES	DIG PROT % *		0.5	1.6	
SHEEP	DIG PROT %		0.4	1.2	
ENERGY	GE KCAL/KG		1613.	5024.	1
SHEEP	GE DIG COEF %		52.	52.	1
SHEEP	DE MCAL/KG		0.84	2.61	
SHEEP	ME MCAL/KG *		0.69	2.14	
SHEEP	TDN %		17.8	55.5	1
CALCIUM		%	0.24	0.76	1
PHOSPHORUS		%	0.03	0.09	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE SANTA ELIZA, AERIAL PART, ENSILED, 141 TO 154 DAYS' GROWTH, (3)						
REF NO 3-09-657						
DRY MATTER		%	36.0	100.0		1
ORGANIC MATTER		%	32.9	91.5		
ASH		%	3.1	8.5		1
CRUDE FIBER		%	14.4	39.9		1
SHEEP	DIG COEF	%	62.	62.		1
ETHER EXTRACT		%	1.0	2.7		1
SHEEP	DIG COEF	%	60.	60.		1
NITROGEN FREE EXTRACT		%	15.7	43.7		1
SHEEP	DIG COEF	%	62.	62.		1
PROTEIN		%	1.9	5.2		1
SHEEP	DIG COEF	%	28.	28.		1
CATTLE	DIG PROT	% *	0.3	1.0		
GOATS	DIG PROT	% *	0.3	1.0		
HORSES	DIG PROT	% *	0.3	1.0		
SHEEP	DIG PROT	%	0.5	1.5		
ENERGY	GE	KCAL/KG	1739.	4830.		1
SHEEP	GE DIG COEF	%	54.	54.		1
CATTLE	DE	MCAL/KG *	0.81	2.24		
SHEEP	DE	MCAL/KG	0.94	2.61		
CATTLE	ME	MCAL/KG *	0.66	1.84		
SHEEP	ME	MCAL/KG *	0.77	2.14		
CATTLE	NE-M	MCAL/KG *	0.39	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.31		
CATTLE	NE-LACTATION	MCAL/KG *	0.37	1.04		
CATTLE	TDN	% *	18.3	50.9		
SHEEP	TDN	%	20.5	56.9		1
CALCIUM		%	0.27	0.76		1
PHOSPHORUS		%	0.03	0.09		1
SORGHUM VULGARE SANTA ELIZA, AERIAL PART, ENSILED, 155 TO 168 DAYS' GROWTH, (3)						
REF NO 3-09-658						
DRY MATTER		%	41.1	100.0		1
ORGANIC MATTER		%	39.2	95.4		
ASH		%	1.9	4.6		1
CRUDE FIBER		%	17.1	41.7		1
SHEEP	DIG COEF	%	54.	54.		1
ETHER EXTRACT		%	1.4	3.5		1
SHEEP	DIG COEF	%	71.	71.		1
NITROGEN FREE EXTRACT		%	18.4	44.7		1
SHEEP	DIG COEF	%	50.	50.		1
PROTEIN		%	2.3	5.5		1
SHEEP	DIG COEF	%	27.	27.		1
CATTLE	DIG PROT	% *	0.5	1.2		
GOATS	DIG PROT	% *	0.5	1.2		
HORSES	DIG PROT	% *	0.5	1.2		
SHEEP	DIG PROT	%	0.6	1.5		
ENERGY	GE	KCAL/KG	2099.	5108.		1
SHEEP	GE DIG COEF	%	50.	50.		1
SHEEP	DE	MCAL/KG	1.05	2.55		
SHEEP	ME	MCAL/KG *	0.86	2.09		
SHEEP	TDN	%	21.3	51.9		1
CALCIUM		%	0.18	0.44		1
PHOSPHORUS		%	0.03	0.08		1

SORGHUM VULGARE, SORGHUM, SUDAN 67

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, (2)						
REF NO 2-11-805						
DRY MATTER		%	17.0	100.0	17	8
ORGANIC MATTER		%	15.3	90.5		
ASH		%	1.6	9.5	22	10
CRUDE FIBER		%	5.5	33.2	18	4
ETHER EXTRACT		%	0.3	1.5	25	9
NITROGEN FREE EXTRACT		%	7.7	45.4		3
PROTEIN		%	1.8	10.4	30	16
CATTLE	DIG PROT	% *	1.1	6.7		
GOATS	DIG PROT	% *	1.1	6.3		
HORSES	DIG PROT	% *	1.1	6.4		
RABBITS	DIG PROT	% *	1.1	6.7		
SHEEP	DIG PROT	% *	1.1	6.7		
CELL CONTENTS (VAN SOEST)		%	6.1	36.2		2
CELL WALLS (VAN SOEST)		%	10.2	60.2	7	6
CELLULOSE (VAN SOEST)		%	5.1	30.1	12	6
FIBER, ACID DETERGENT (VS)		%	6.7	39.8	10	6
HEMICELLULOSE		%	3.5	20.4	18	6
LIGNIN KMNO4 (VS)		%	1.0	5.9	26	6
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.42	2.50		
SHEEP	DE	MCAL/KG *	0.43	2.54		
CATTLE	ME	MCAL/KG *	0.35	2.05		
SHEEP	ME	MCAL/KG *	0.35	2.08		
CATTLE	NE-M	MCAL/KG *	0.21	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	0.21	1.24		
CATTLE	TDN	% *	9.6	56.8		
SHEEP	TDN	% *	9.8	57.5		
CALCIUM		%	0.15	0.86		3
PHOSPHORUS		%	0.03	0.17		3
POTASSIUM		%	0.52	3.05		1
SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-11-803						
DRY MATTER		%		100.0		
PROTEIN		%		11.2		3
CATTLE	DIG PROT	% *		7.4		
GOATS	DIG PROT	% *		7.0		
HORSES	DIG PROT	% *		7.0		
RABBITS	DIG PROT	% *		7.3		
SHEEP	DIG PROT	% *		7.4		
CELL CONTENTS (VAN SOEST)		%		39.2		3
CELL WALLS (VAN SOEST)		%		60.8		3
CELLULOSE (VAN SOEST)		%		28.2		3
FIBER, ACID DETERGENT (VS)		%		37.8		3
HEMICELLULOSE		%		23.0		3
LIGNIN KMNO4 (VS)		%		6.1		3
SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-184						
DRY MATTER		%	22.5	100.0	25	4
DM IN VITRO (TILLY)	DIG COEF	%	55.	55.		1
PROTEIN		%	3.9	17.5	15	4
CATTLE	DIG PROT	% *	2.9	12.7		
GOATS	DIG PROT	% *	2.9	12.8		
HORSES	DIG PROT	% *	2.8	12.3		
RABBITS	DIG PROT	% *	2.7	12.1		
SHEEP	DIG PROT	% *	3.0	13.3		
CALCIUM		%	0.06	0.27		1
PHOSPHORUS		%	0.03	0.14		1
SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-13-173						
DRY MATTER		%	19.7	100.0		1
PROTEIN		%	4.0	20.4		1
CATTLE	DIG PROT	% *	3.0	15.2		
GOATS	DIG PROT	% *	3.1	15.6		
HORSES	DIG PROT	% *	2.9	14.8		
RABBITS	DIG PROT	% *	2.8	14.4		
SHEEP	DIG PROT	% *	3.2	16.0		
SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-11-804						
DRY MATTER		%		100.0		
PROTEIN		%		11.8		3
CATTLE	DIG PROT	% *		7.9		
GOATS	DIG PROT	% *		7.6		
HORSES	DIG PROT	% *		7.6		
RABBITS	DIG PROT	% *		7.8		
SHEEP	DIG PROT	% *		8.0		
CELL CONTENTS (VAN SOEST)		%		40.8		3
CELL WALLS (VAN SOEST)		%		59.2		3
CELLULOSE (VAN SOEST)		%		28.4		3
FIBER, ACID DETERGENT (VS)		%		36.7		3
HEMICELLULOSE		%		22.5		3
LIGNIN KMNO4 (VS)		%		4.8		3
SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-13-556						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9		
ASH		%		8.1		1
CRUDE FIBER		%		28.0		1
ETHER EXTRACT		%		2.3		1
NITROGEN FREE EXTRACT		%		45.3		1
PROTEIN		%		15.4		3
CATTLE	DIG PROT	% *		11.0		
GOATS	DIG PROT	% *		10.9		
HORSES	DIG PROT	% *		10.6		
RABBITS	DIG PROT	% *		10.6		
SHEEP	DIG PROT	% *		11.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.76		
SHEEP	DE	MCAL/KG *		2.79		
CATTLE	ME	MCAL/KG *		2.26		
SHEEP	ME	MCAL/KG *		2.28		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M	MCAL/KG *		1.35		
CATTLE	NE-GAIN	MCAL/KG *		0.75		
CATTLE	NE-LACTATION	MCAL/KG *		1.44		
CATTLE		TDN % *		62.6		
SHEEP		TDN % *		62.4		

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-167

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	18.6	100.0	15	4
DM IN VITRO (TILLY)	DIG COEF	%	58.	58.		2
PROTEIN		%	3.0	16.2	9	4
CATTLE	DIG PROT	% *	2.2	11.6		
GOATS	DIG PROT	% *	2.2	11.6		
HORSES	DIG PROT	% *	2.1	11.2		
RABBITS	DIG PROT	% *	2.1	11.1		
SHEEP	DIG PROT	% *	2.2	12.0		

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 3, (2)

REF NO 2-13-170

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.5	100.0		2
PROTEIN		%	2.5	14.4		2
CATTLE	DIG PROT	% *	1.8	10.1		
GOATS	DIG PROT	% *	1.7	10.0		
HORSES	DIG PROT	% *	1.7	9.8		
RABBITS	DIG PROT	% *	1.7	9.8		
SHEEP	DIG PROT	% *	1.8	10.4		
CALCIUM		%	0.10	0.55		1
PHOSPHORUS		%	0.06	0.33		1

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH CHOPPED, MILK STAGE, CUT 1, (2)

REF NO 2-11-800

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.3		
ASH		%		10.7		3
CRUDE FIBER		%		34.6		3
ETHER EXTRACT		%		2.0		3
NITROGEN FREE EXTRACT		%		44.5		3
PROTEIN		%		8.2		3
CATTLE	DIG PROT	% *		4.8		
GOATS	DIG PROT	% *		4.2		
HORSES	DIG PROT	% *		4.5		
RABBITS	DIG PROT	% *		5.0		
SHEEP	DIG PROT	% *		4.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.31		
SHEEP	DE	MCAL/KG *		2.48		
CATTLE	ME	MCAL/KG *		1.90		
SHEEP	ME	MCAL/KG *		2.03		
CATTLE	NE-M	MCAL/KG *		1.12		
CATTLE	NE-GAIN	MCAL/KG *		0.38		
CATTLE	NE-LACTATION	MCAL/KG *		1.09		
CATTLE		TDN % *		52.4		
SHEEP		TDN % *		56.2		

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-11-806

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		74.	11	12
PROTEIN		%		13.6	29	12
CATTLE	DIG PROT	% *		9.4		
GOATS	DIG PROT	% *		9.2		
HORSES	DIG PROT	% *		9.1		
RABBITS	DIG PROT	% *		9.2		
SHEEP	DIG PROT	% *		9.7		
CELL CONTENTS (VAN SOEST)		%		37.5	8	6
CELL WALLS (VAN SOEST)		%		59.2	7	12
CELLULOSE (VAN SOEST)		%		29.2	10	12
FIBER, ACID DETERGENT (VS)		%		38.6	13	12
HEMICELLULOSE		%		20.4	20	12
LIGNIN KMNO4 (VS)		%		6.7	31	12

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, (2)

REF NO 2-11-802

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		77.	3	6
PROTEIN		%		11.3	21	6
CATTLE	DIG PROT	% *		7.5		
GOATS	DIG PROT	% *		7.1		
HORSES	DIG PROT	% *		7.1		
RABBITS	DIG PROT	% *		7.4		
SHEEP	DIG PROT	% *		7.5		
CELL CONTENTS (VAN SOEST)		%		38.2	10	6
CELL WALLS (VAN SOEST)		%		61.8	6	6
CELLULOSE (VAN SOEST)		%		29.2	5	6
FIBER, ACID DETERGENT (VS)		%		38.1	5	6
HEMICELLULOSE		%		23.8	11	6
LIGNIN KMNO4 (VS)		%		5.8	18	6

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, (2)

REF NO 2-11-801

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		73.	13	6
PROTEIN		%		11.7	28	6
CATTLE	DIG PROT	% *		7.8		
GOATS	DIG PROT	% *		7.4		
HORSES	DIG PROT	% *		7.4		
RABBITS	DIG PROT	% *		7.7		
SHEEP	DIG PROT	% *		7.8		
CELL CONTENTS (VAN SOEST)		%		41.0	6	6
CELL WALLS (VAN SOEST)		%		59.0	4	6
CELLULOSE (VAN SOEST)		%		28.2	10	6
FIBER, ACID DETERGENT (VS)		%		36.3	10	6
HEMICELLULOSE		%		22.7	8	6
LIGNIN KMNO4 (VS)		%		5.5	27	6

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-13-497

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.5	100.0		1
ORGANIC MATTER		%	16.5	94.3		
ASH		%	1.0	5.7		1
ETHER EXTRACT		%	0.4	2.3		1
PROTEIN		%	1.3	7.4		1
CATTLE	DIG PROT	% *	0.7	4.2		
GOATS	DIG PROT	% *	0.6	3.5		
HORSES	DIG PROT	% *	0.7	3.8		
RABBITS	DIG PROT	% *	0.8	4.4		
SHEEP	DIG PROT	% *	0.7	3.9		
CELL WALLS (VAN SOEST)		%	12.4	70.9		1
FIBER, ACID DETERGENT (VS)		%	9.4	53.7		1

SORGHUM VULGARE SUDAN 67, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 2, (2)

REF NO 2-13-498

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	17.9	100.0		1
ORGANIC MATTER		%	16.7	93.3		
ASH		%	1.2	6.7		1
ETHER EXTRACT		%	0.3	1.7		1
PROTEIN		%	1.2	6.7		1
CATTLE	DIG PROT	% *	0.6	3.6		
GOATS	DIG PROT	% *	0.5	2.8		
HORSES	DIG PROT	% *	0.6	3.2		
RABBITS	DIG PROT	% *	0.7	3.8		
SHEEP	DIG PROT	% *	0.6	3.2		
CELL WALLS (VAN SOEST)		%	12.6	70.4		1
FIBER, ACID DETERGENT (VS)		%	8.4	46.9		1

SORGHUM VULGARE SUDAN 67, AERIAL PART, ENSILED, MILK STAGE, CUT 1, (3)

REF NO 3-11-807

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
PROTEIN		%		7.9		1
CATTLE	DIG PROT	% *		3.4		
GOATS	DIG PROT	% *		3.4		
HORSES	DIG PROT	% *		3.4		
SHEEP	DIG PROT	% *		3.4		

SORGHUM VULGARE, SORGHUM, SUDAX SXII

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH, (2)

REF NO 2-13-492

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.4		
ASH		%		7.6		1
CRUDE FIBER		%		26.9		1
ETHER EXTRACT		%		1.7		1
NITROGEN FREE EXTRACT		%		57.0		1
PROTEIN		%		6.8		1
CATTLE	DIG PROT	% *		3.7		
GOATS	DIG PROT	% *		2.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
HORSES	DIG PROT % *		3.3	
RABBITS	DIG PROT % *		3.9	
SHEEP	DIG PROT % *		3.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.72	
SHEEP	DE MCAL/KG *		2.73	
CATTLE	ME MCAL/KG *		2.23	
SHEEP	ME MCAL/KG *		2.24	
CATTLE	NE-M MCAL/KG *		1.33	
CATTLE	NE-GAIN MCAL/KG *		0.72	
CATTLE	NE-LACTATION MCAL/KG *		1.41	
CATTLE	TDN % *		61.8	
SHEEP	TDN % *		62.0	

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-175

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	13.4	100.0	1
PROTEIN	%	1.6	12.2	1
CATTLE	DIG PROT % *	1.1	8.3	
GOATS	DIG PROT % *	1.1	7.9	
HORSES	DIG PROT % *	1.1	7.9	
RABBITS	DIG PROT % *	1.1	8.1	
SHEEP	DIG PROT % *	1.1	8.4	

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)

REF NO 2-13-179

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.9	100.0	2
ORGANIC MATTER	%	20.4	89.2	
ASH	%	2.5	10.8	1
PROTEIN	%	2.6	11.4	2
CATTLE	DIG PROT % *	1.7	7.5	
GOATS	DIG PROT % *	1.6	7.1	
HORSES	DIG PROT % *	1.6	7.2	
RABBITS	DIG PROT % *	1.7	7.4	
SHEEP	DIG PROT % *	1.7	7.6	
CALCIUM	%	0.07	0.32	2
PHOSPHORUS	%	0.05	0.24	2

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)

REF NO 2-13-731

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.6	
ASH	%		9.4	1
CRUDE FIBER	%		32.0	1
ETHER EXTRACT	%		2.4	1
NITROGEN FREE EXTRACT	%		46.6	1
PROTEIN	%		9.6	1
CATTLE	DIG PROT % *		6.1	
GOATS	DIG PROT % *		5.5	
HORSES	DIG PROT % *		5.7	
RABBITS	DIG PROT % *		6.1	
SHEEP	DIG PROT % *		5.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.47	
SHEEP	DE MCAL/KG *		2.59	
CATTLE	ME MCAL/KG *		2.02	
SHEEP	ME MCAL/KG *		2.12	
CATTLE	NE-M MCAL/KG *		1.19	
CATTLE	NE-GAIN MCAL/KG *		0.51	
CATTLE	NE-LACTATION MCAL/KG *		1.21	
CATTLE	TDN % *		55.9	
SHEEP	TDN % *		58.7	

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-164

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	25.8	100.0	2
PROTEIN	%	2.5	9.7	2
CATTLE	DIG PROT % *	1.6	6.1	
GOATS	DIG PROT % *	1.4	5.6	
HORSES	DIG PROT % *	1.5	5.7	
RABBITS	DIG PROT % *	1.6	6.1	
SHEEP	DIG PROT % *	1.5	6.0	
CALCIUM	%	0.08	0.23	1
PHOSPHORUS	%	0.05	0.18	1

SORGHUM VULGARE SUDAX SXII, AERIAL PART, REGROWTH EARLY VEGETATIVE, CUT 3, (2)

REF NO 2-13-168

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	18.0	100.0	1
PROTEIN	%	2.5	13.7	1
CATTLE	DIG PROT % *	1.7	9.5	
GOATS	DIG PROT % *	1.7	9.3	
HORSES	DIG PROT % *	1.6	9.2	
RABBITS	DIG PROT % *	1.7	9.2	
SHEEP	DIG PROT % *	1.8	9.8	

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-13-732

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.1	
ASH	%		10.9	1
CRUDE FIBER	%		20.9	1
ETHER EXTRACT	%		4.8	1
NITROGEN FREE EXTRACT	%		46.9	1
PROTEIN	%		16.5	1
CATTLE	DIG PROT % *		11.9	
GOATS	DIG PROT % *		12.0	
HORSES	DIG PROT % *		11.5	
RABBITS	DIG PROT % *		11.4	
SHEEP	DIG PROT % *		12.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.82	
SHEEP	DE MCAL/KG *		2.94	
CATTLE	ME MCAL/KG *		2.96	
SHEEP	ME MCAL/KG *		2.41	
CATTLE	NE-M MCAL/KG *		1.93	
CATTLE	NE-GAIN MCAL/KG *		1.29	
CATTLE	NE-LACTATION MCAL/KG *		2.11	
CATTLE	TDN % *		82.0	
SHEEP	TDN % *		66.7	

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-13-493

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	15.6	100.0	1
ORGANIC MATTER	%	14.7	94.2	
ASH	%	0.9	5.8	1
ETHER EXTRACT	%	0.3	1.9	1
PROTEIN	%	1.3	8.3	1
CATTLE	DIG PROT % *	0.8	5.0	
GOATS	DIG PROT % *	0.7	4.3	
HORSES	DIG PROT % *	0.7	4.6	
RABBITS	DIG PROT % *	0.8	5.1	
SHEEP	DIG PROT % *	0.7	4.8	
CELL WALLS (VAN SOEST)	%	10.8	69.2	1
FIBER, ACID DETERGENT (VS)	%	6.5	41.7	1

SORGHUM VULGARE SUDAX SXII, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 2, (2)

REF NO 2-13-494

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	19.0	100.0	1
ORGANIC MATTER	%	17.8	93.7	
ASH	%	1.2	6.3	1
ETHER EXTRACT	%	0.4	2.1	1
PROTEIN	%	1.5	7.9	1
CATTLE	DIG PROT % *	0.9	4.6	
GOATS	DIG PROT % *	0.7	3.9	
HORSES	DIG PROT % *	0.8	4.2	
RABBITS	DIG PROT % *	0.9	4.8	
SHEEP	DIG PROT % *	0.8	4.3	
CELL WALLS (VAN SOEST)	%	13.6	71.6	1
FIBER, ACID DETERGENT (VS)	%	8.8	46.3	1

SORGHUM VULGARE SUDAX SXII, AERIAL PART, ENSILED, EARLY BLOOM, CUT 1, (3)

REF NO 3-13-106

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.1	3 12
ASH	%		11.0	3 12
SHEEP	DIG COEF %		35.	
PROTEIN	%		9.7	2 12
CATTLE	DIG PROT % *		9.0	
GOATS	DIG PROT % *		9.0	
HORSES	DIG PROT % *		9.0	
SHEEP	DIG PROT % *		9.0	
CELLULOSE (CRAMPTON)	%		30.0	9 12

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE SUDAX SXII, AERIAL PART, ENSILED, MILK STAGE, (3)						
REF NO 3-13-101						
DRY MATTER		%	29.5	100.0		4
ORGANIC MATTER		%	26.8	90.9		5
ASH		%	2.7	9.1		5
SHEEP	DIG COEF	%	40.	40.		
PROTEIN		%	2.0	6.7		5
CATTLE	DIG PROT	% *	0.7	2.3		
GOATS	DIG PROT	% *	0.7	2.3		
HORSES	DIG PROT	% *	0.7	2.3		
SHEEP	DIG PROT	% *	0.7	2.3		
SORGHUM VULGARE SUDAX SXII, AERIAL PART, ENSILED, MILK STAGE, CUT 2, (3)						
REF NO 3-13-105						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.9	2	11
ASH		%		9.2	2	11
SHEEP	DIG COEF	%		41.		
PROTEIN		%		7.3	1	11
CATTLE	DIG PROT	% *		2.9		
GOATS	DIG PROT	% *		2.9		
HORSES	DIG PROT	% *		2.9		
SHEEP	DIG PROT	% *		2.9		
CELLULOSE (CRAMPTON)		%		32.3		11
SORGHUM VULGARE SUDAX SXII, AERIAL PART, ENSILED, DOUGH STAGE, (3)						
REF NO 3-13-102						
DRY MATTER		%	32.7	100.0	5	16
ORGANIC MATTER		%	29.6	90.7	7	16
ASH		%	3.1	9.4	7	16
SHEEP	DIG COEF	%	47.	47.		
PROTEIN		%	2.4	7.3	12	16
CATTLE	DIG PROT	% *	0.9	2.8		
GOATS	DIG PROT	% *	0.9	2.8		
HORSES	DIG PROT	% *	0.9	2.8		
SHEEP	DIG PROT	% *	0.9	2.8		
SORGHUM VULGARE SUDAX SXII, AERIAL PART, ENSILED, MATURE, CUT 3, (2)						
REF NO 3-13-104						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.6	3	9
ASH		%		8.3	3	9
SHEEP	DIG COEF	%		38.		
PROTEIN		%		5.8	4	9
CATTLE	DIG PROT	% *		1.5		
GOATS	DIG PROT	% *		1.5		
HORSES	DIG PROT	% *		1.5		
SHEEP	DIG PROT	% *		1.5		
CELLULOSE (CRAMPTON)		%		32.7	1	9
SORGHUM VULGARE, SORGHUM, SUMAC						
SORGHUM VULGARE SUMAC, AERIAL PART, FRESH, DOUGH STAGE, CUT 1, (2)						
REF NO 2-13-729						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.5		
ASH		%		9.5		1
CRUDE FIBER		%		30.9		1
ETHER EXTRACT		%		2.1		1
NITROGEN FREE EXTRACT		%		52.6		1
PROTEIN		%		4.7		1
CATTLE	DIG PROT	% *		1.9		
GOATS	DIG PROT	% *		0.9		
HORSES	DIG PROT	% *		1.3		
RABBITS	DIG PROT	% *		2.3		
SHEEP	DIG PROT	% *		1.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.41		
SHEEP	DE	MCAL/KG *		2.54		
CATTLE	ME	MCAL/KG *		1.97		
SHEEP	ME	MCAL/KG *		2.09		
CATTLE	NE-M	MCAL/KG *		1.16		
CATTLE	NE-GAIN	MCAL/KG *		0.46		
CATTLE	NE-LACTATION	MCAL/KG *		1.16		
CATTLE	TDN	% *		54.6		
SHEEP	TDN	% *		57.7		
SORGHUM VULGARE SUMAC, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-13-730						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.8		
ASH		%		10.2		1
CRUDE FIBER		%		21.6		1
ETHER EXTRACT		%		5.1		1
NITROGEN FREE EXTRACT		%		47.7		1
PROTEIN		%		15.4		1
CATTLE	DIG PROT	% *		11.0		
GOATS	DIG PROT	% *		10.9		
HORSES	DIG PROT	% *		10.6		
RABBITS	DIG PROT	% *		10.6		
SHEEP	DIG PROT	% *		11.3		
FATTY ACIDS		%				
ACETIC		%		6.250		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.84		
SHEEP	DE	MCAL/KG *		2.92		
CATTLE	ME	MCAL/KG *		3.15		
SHEEP	ME	MCAL/KG *		2.40		
CATTLE	NE-M	MCAL/KG *		2.12		
CATTLE	NE-GAIN	MCAL/KG *		1.40		
CATTLE	NE-LACTATION	MCAL/KG *		2.28		
CATTLE	TDN	% *		87.1		
SHEEP	TDN	% *		66.3		
SORGHUM VULGARE, SORGHUM SUDANGRASS CROSS						
SORGHUM VULGARE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-180						
DRY MATTER		%	19.1	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	54.	54.		1
PROTEIN		%	3.7	19.4		1
CATTLE	DIG PROT	% *	2.7	14.4		
GOATS	DIG PROT	% *	2.8	14.7		
HORSES	DIG PROT	% *	2.7	14.0		
RABBITS	DIG PROT	% *	2.6	13.6		
SHEEP	DIG PROT	% *	2.9	15.1		
SORGHUM VULGARE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-13-174						
DRY MATTER		%	17.4	100.0		1
PROTEIN		%	2.7	15.6		1
CATTLE	DIG PROT	% *	1.9	11.2		
GOATS	DIG PROT	% *	1.9	11.1		
HORSES	DIG PROT	% *	1.9	10.8		
RABBITS	DIG PROT	% *	1.9	10.7		
SHEEP	DIG PROT	% *	2.0	11.5		
SORGHUM VULGARE, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)						
REF NO 2-11-856						
DRY MATTER		%	20.5	100.0		1
ORGANIC MATTER		%	17.9	87.2		
ASH		%	2.6	12.8		1
CRUDE FIBER		%	6.1	29.6		1
ETHER EXTRACT		%	0.9	4.5		1
NITROGEN FREE EXTRACT		%	7.1	34.7		1
PROTEIN		%	3.8	18.4		1
CATTLE	DIG PROT	% *	2.8	13.5		
GOATS	DIG PROT	% *	2.8	13.7		
HORSES	DIG PROT	% *	2.7	13.2		
RABBITS	DIG PROT	% *	2.6	12.9		
SHEEP	DIG PROT	% *	2.9	14.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.49	2.41		
SHEEP	DE	MCAL/KG *	0.58	2.81		
CATTLE	ME	MCAL/KG *	0.41	1.98		
SHEEP	ME	MCAL/KG *	0.47	2.30		
CATTLE	NE-M	MCAL/KG *	0.24	1.17		
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.46		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	1.17		
CATTLE	TDN	% *	11.2	54.7		
SHEEP	TDN	% *	13.0	63.6		
CALCIUM		%	0.09	0.43		1
COPPER		MG/KG	12.0	58.5		1
IRON		%	0.007	0.035		1
MAGNESIUM		%	0.04	0.21		1
MANGANESE		MG/KG	4.2	20.6		1
PHOSPHORUS		%	0.03	0.17		1
POTASSIUM		%	0.21	1.01		1
SODIUM		%	0.02	0.08		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, AERIAL PART, FRESH, MILK STAGE, CUT 2, (2)						
REF NO 2-11-857						
DRY MATTER		%	25.8	100.0		1
ORGANIC MATTER		%	23.5	91.1		
ASH		%	2.3	8.9		1
CRUDE FIBER		%	9.3	36.2		1
ETHER EXTRACT		%	0.6	2.4		1
NITROGEN FREE EXTRACT		%	12.3	47.8		1
PROTEIN		%	1.2	4.7		1
CATTLE	DIG PROT	% *	0.5	1.9		
GOATS	DIG PROT	% *	0.2	0.9		
HORSES	DIG PROT	% *	0.4	1.5		
RABBITS	DIG PROT	% *	0.6	2.3		
SHEEP	DIG PROT	% *	0.4	1.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.54	2.10		
SHEEP	DE	MCAL/KG *	0.63	2.44		
CATTLE	ME	MCAL/KG *	0.44	1.72		
SHEEP	ME	MCAL/KG *	0.52	2.00		
CATTLE	NE-M	MCAL/KG *	0.26	1.02		
CATTLE	NE-GAIN	MCAL/KG *	0.05	0.18		
CATTLE	NE-LACTATION	MCAL/KG *	0.24	0.93		
CATTLE	TDN	% *	12.3	47.7		
SHEEP	TDN	% *	14.3	55.4		
SORGHUM VULGARE, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-11-859						
DRY MATTER		%	14.2	100.0		1
ORGANIC MATTER		%	12.6	88.9		
ASH		%	1.6	11.1		1
CRUDE FIBER		%	5.4	38.0		1
ETHER EXTRACT		%	0.4	2.6		1
NITROGEN FREE EXTRACT		%	5.9	41.2		1
PROTEIN		%	1.0	7.1		1
CATTLE	DIG PROT	% *	0.6	3.9		
GOATS	DIG PROT	% *	0.5	3.2		
HORSES	DIG PROT	% *	0.5	3.6		
RABBITS	DIG PROT	% *	0.6	4.2		
SHEEP	DIG PROT	% *	0.5	3.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.29	2.06		
SHEEP	DE	MCAL/KG *	0.35	2.43		
CATTLE	ME	MCAL/KG *	0.24	1.69		
SHEEP	ME	MCAL/KG *	0.28	2.00		
CATTLE	NE-M	MCAL/KG *	0.14	1.01		
CATTLE	NE-GAIN	MCAL/KG *	0.02	0.14		
CATTLE	NE-LACTATION	MCAL/KG *	0.13	0.89		
CATTLE	TDN	% *	6.6	46.7		
SHEEP	TDN	% *	7.8	55.2		
CALCIUM		%	0.05	0.38		1
COPPER		MG/KG	7.0	49.2		1
IRON		%	0.003	0.022		1
MAGNESIUM		%	0.02	0.16		1
MANGANESE		MG/KG	4.5	31.4		1
PHOSPHORUS		%	0.03	0.19		1
POTASSIUM		%	0.44	3.11		1
SODIUM		%	0.01	0.07		1
SORGHUM VULGARE, AERIAL PART, FRESH, CUT 3, (2)						
REF NO 2-11-858						
DRY MATTER		%	27.1	100.0		1
ORGANIC MATTER		%	24.4	90.0		
ASH		%	2.7	10.0		1
CRUDE FIBER		%	10.1	37.4		1
ETHER EXTRACT		%	0.7	2.5		1
NITROGEN FREE EXTRACT		%	12.3	45.3		1
PROTEIN		%	1.3	4.8		1
CATTLE	DIG PROT	% *	0.5	2.0		
GOATS	DIG PROT	% *	0.3	1.0		
HORSES	DIG PROT	% *	0.4	1.6		
RABBITS	DIG PROT	% *	0.6	2.4		
SHEEP	DIG PROT	% *	0.4	1.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.55	2.02		
SHEEP	DE	MCAL/KG *	0.65	2.41		
CATTLE	ME	MCAL/KG *	0.45	1.65		
SHEEP	ME	MCAL/KG *	0.54	1.98		
CATTLE	NE-M	MCAL/KG *	0.27	0.99		
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.09		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	0.86		
CATTLE	TDN	% *	12.4	45.8		
SHEEP	TDN	% *	(14.8)	(54.7)		
SORGHUM VULGARE, CAFFRORUM, SORGHUM, KAFIR						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, CAFFRORUM KAFIR, GRAIN, (4)						
REF NO 4-04-428						
DRY MATTER		%	(89.2)	(100.0)	1	16
ORGANIC MATTER		%	(87.5)	(98.1)		
ASH		%	(1.7)	(1.9)	16	10
SHEEP	DIG COEF	%	(11.)	(11.)		
CRUDE FIBER		%	(3.2)	(3.6)	99	9
CATTLE	DIG COEF	%	(140.)	(140.)		1
SHEEP	DIG COEF	%	(55.)	(55.)		1
SWINE	DIG COEF	%	(67.)	(67.)		1
ETHER EXTRACT		%	(2.9)	(3.2)	11	11
CATTLE	DIG COEF	%	(5.)	(5.)		1
SHEEP	DIG COEF	%	(76.)	(76.)		1
SWINE	DIG COEF	%	(62.)	(62.)		1
NITROGEN FREE EXTRACT		%	(70.9)	(79.6)	1	7
CATTLE	DIG COEF	%	(40.)	(40.)		1
SHEEP	DIG COEF	%	(92.)	(92.)		1
SWINE	DIG COEF	%	(96.)	(96.)		1
PROTEIN		%	(10.4)	(11.7)	10	11
CATTLE	DIG COEF	%	(41.)	(41.)		1
SHEEP	DIG COEF	%	(81.)	(81.)		1
SWINE	DIG COEF	%	(77.)	(77.)		1
CATTLE	DIG PROT	%	(4.3)	(4.8)		
GOATS	DIG PROT	% *	(7.1)	(7.9)		
HORSES	DIG PROT	% *	(7.1)	(7.9)		
SHEEP	DIG PROT	%	(8.4)	(9.5)		
SWINE	DIG PROT	%	(8.0)	(9.0)		
STARCH		%	(64.6)	(72.4)		2
SUGARS, TOTAL		%	(1.3)	(1.5)		2
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	(1.65)	(1.85)		
SHEEP	DE	MCAL/KG *	(3.55)	(3.98)		
SWINE	DE	KCAL/KG *	(3629.)	(4070.)		
CATTLE	ME	MCAL/KG *	(1.35)	(1.52)		
CHICKENS	ME-N	KCAL/KG	(3485.)	(3908.)		1
SHEEP	ME	MCAL/KG *	(2.91)	(3.26)		
SWINE	ME	KCAL/KG	(2882.)	(3232.)		1
CATTLE	NE-M	MCAL/KG *	(0.82)	(0.92)		
CATTLE	NE-GAIN	MCAL/KG *	(-0.07)	(-0.08)		
CATTLE	NE-LACTATION	MCAL/KG *	(0.65)	(0.73)		
CHICKENS	PRODUCTIVE	KCAL/KG	(2367.)	(2655.)		1
CATTLE	TDN	%	(37.5)	(42.0)		
SHEEP	TDN	%	(80.4)	(90.2)		1
SWINE	TDN	%	(82.3)	(92.3)		2
CALCIUM		%	(0.03)	(0.03)	23	5
CHLORINE		%	(0.10)	(0.11)		2
COBALT		MG/KG	(0.176)	(0.197)		1
COPPER		MG/KG	(6.4)	(7.2)		2
IRON		%	(0.005)	(0.006)		2
MAGNESIUM		%	(0.15)	(0.17)		1
MANGANESE		MG/KG	(16.0)	(17.9)		2
PHOSPHORUS		%	(0.29)	(0.33)	7	5
CHICKENS, CHICKS	AVAILABLE	%	(0.08)	(0.09)		1
POTASSIUM		%	(0.34)	(0.38)		1
SELENIUM		MG/KG	(0.797)	(0.894)		1
SODIUM		%	(0.06)	(0.07)		2
SULPHUR		%	(0.16)	(0.18)		2
BIOTIN		MG/KG	(0.11)	(0.12)		1
CHOLINE		MG/KG	(436.)	(489.)		1
FOLIC ACID		MG/KG	(0.09)	(0.10)		1
NIACIN		MG/KG	(38.8)	(43.5)		3
PANTOTHENIC ACID		MG/KG	(12.0)	(13.5)		3
RIBOFLAVIN		MG/KG	(1.3)	(1.4)		3
THIAMINE		MG/KG	(3.8)	(4.2)		1
VITAMIN A EQUIV		IU/G	(0.6)	(0.7)		
ARGININE		%	(0.39)	(0.43)	11	4
CYSTINE		%	(0.13)	(0.15)		2
GLYCINE		%	(0.30)	(0.33)		2
HISTIDINE		%	(0.27)	(0.30)		3
ISOLEUCINE		%	(0.56)	(0.62)		3
LEUCINE		%	(1.68)	(1.89)		2
LYSINE		%	(0.27)	(0.30)	8	4
METHIONINE		%	(0.18)	(0.20)	14	4
PHENYLALANINE		%	(0.64)	(0.72)		3
THREONINE		%	(0.45)	(0.51)		3
TRYPTOPHAN		%	(0.14)	(0.16)	22	4
VALINE		%	(0.64)	(0.72)		3
XANTHOPHYLL		MG/KG	0.50	0.56		1
SORGHUM VULGARE, SACCHARATUM, SORGHUM, SORGO NK 222						
SORGHUM VULGARE, SACCHARATUM SORGO NK 222, GRAIN, (4)						
REF NO 4-09-460						
DRY MATTER		%	88.4	100.0		2
ORGANIC MATTER		%	86.9	98.3		
ASH		%	1.5	1.7		2
CRUDE FIBER		%	2.3	2.6		2
ETHER EXTRACT		%	3.1	3.5		2
NITROGEN FREE EXTRACT		%	75.2	85.1		2
PROTEIN		%	6.3	7.1		2
CATTLE	DIG PROT	% *	2.3	2.6		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
GOATS	DIG PROT % *	3.3	3.8		
HORSES	DIG PROT % *	3.3	3.8		
SHEEP	DIG PROT % *	3.3	3.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.04	3.44		
SHEEP	DE MCAL/KG *	3.38	3.83		
SWINE	DE KCAL/KG *	3329.	3766.		
CATTLE	ME MCAL/KG *	2.49	2.82		
SHEEP	ME MCAL/KG *	2.78	3.14		
SWINE	ME KCAL/KG *	3148.	3561.		
CATTLE	NE-M MCAL/KG *	1.58	1.79		
CATTLE	NE-GAIN MCAL/KG *	1.05	1.19		
CATTLE	NE-LACTATION MCAL/KG *	1.74	1.97		
CATTLE	TDN % *	69.0	78.0		
SHEEP	TDN % *	76.8	86.8		
SWINE	TDN % *	75.5	85.4		

SORGHUM VULGARE, SACCHARATUM SORGO NK 222, GRAIN, GRND, (4)
SORGO

REF NO 4-09-461

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.6	100.0		1
ORGANIC MATTER	%	87.2	98.4		
ASH	%	1.4	1.6		1
CRUDE FIBER	%	2.1	2.4		1
ETHER EXTRACT	%	2.9	3.3		1
NITROGEN FREE EXTRACT	%	74.9	84.5		1
PROTEIN	%	7.3	8.2		1
CATTLE	DIG PROT % *	3.2	3.6		
GOATS	DIG PROT % *	4.2	4.8		
HORSES	DIG PROT % *	4.2	4.8		
SHEEP	DIG PROT % *	4.2	4.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.11	3.51		
SHEEP	DE MCAL/KG *	3.40	3.84		
SWINE	DE KCAL/KG *	3351.	3782.		
CATTLE	ME MCAL/KG *	2.55	2.88		
SHEEP	ME MCAL/KG *	2.79	3.15		
SWINE	ME KCAL/KG *	3161.	3568.		
CATTLE	NE-M MCAL/KG *	1.63	1.84		
CATTLE	NE-GAIN MCAL/KG *	1.09	1.23		
CATTLE	NE-LACTATION MCAL/KG *	1.80	2.03		
CATTLE	TDN % *	70.6	79.6		
SHEEP	TDN % *	77.1	87.1		
SWINE	TDN % *	76.0	85.8		

SORGHUM VULGARE, SACCHARATUM, SORGHUM, SORGO

SORGHUM VULGARE, SACCHARATUM SORGO, AERIAL PART, S-C, (1)
SORGHUM, SORGO, FODDER, SUN-CURED

REF NO 1-04-460

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.1	100.0		1
ORGANIC MATTER	%	82.1	91.1		
ASH	%	8.0	8.9		1
CRUDE FIBER	%	31.9	35.4		1
ETHER EXTRACT	%	1.8	2.0		1
NITROGEN FREE EXTRACT	%	42.3	46.9		1
PROTEIN	%	6.1	6.8		1
CATTLE	DIG PROT % *	2.5	2.8		
GOATS	DIG PROT % *	2.6	2.9		
HORSES	DIG PROT % *	3.0	3.3		
RABBITS	DIG PROT % *	3.5	3.9		
SHEEP	DIG PROT % *	2.4	2.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.04	2.27		
HORSES	DE MCAL/KG *	1.55	1.72		
SHEEP	DE MCAL/KG *	2.01	2.23		
CATTLE	ME MCAL/KG *	1.67	1.86		
HORSES	ME MCAL/KG *	1.27	1.41		
SHEEP	ME MCAL/KG *	1.64	1.82		
CATTLE	NE-M MCAL/KG *	0.99	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.30	0.33		
CATTLE	NE-LACTATION MCAL/KG *	0.95	1.05		
CATTLE	TDN % *	46.3	51.4		
HORSES	TDN % *	38.2	42.4		
SHEEP	TDN % *	45.5	50.5		

SORGHUM VULGARE, SACCHARATUM SORGO, GRAIN, (4)

REF NO 4-04-469

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.1	100.0	2	4
ORGANIC MATTER	%	84.2	97.9		
ASH	%	1.9	2.2	26	4
CRUDE FIBER	%	2.4	2.8	6	4
ETHER EXTRACT	%	1.3	1.5	29	4
NITROGEN FREE EXTRACT	%	72.6	84.4	2	4
PROTEIN	%	7.9	9.2	25	4
CATTLE	DIG PROT % *	3.9	4.5		
GOATS	DIG PROT % *	4.9	5.7		
HORSES	DIG PROT % *	4.9	5.7		
SHEEP	DIG PROT % *	4.9	5.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.04	3.54		
SHEEP	DE MCAL/KG *	3.29	3.82		
SWINE	DE KCAL/KG *	3304.	3840.		
CATTLE	ME MCAL/KG *	2.50	2.90		
SHEEP	ME MCAL/KG *	2.70	3.13		
SWINE	ME KCAL/KG *	3110.	3615.		
CATTLE	NE-M MCAL/KG *	1.60	1.86		
CATTLE	NE-GAIN MCAL/KG *	1.07	1.24		
CATTLE	NE-LACTATION MCAL/KG *	1.76	2.05		
CATTLE	TDN % *	69.0	80.2		
SHEEP	TDN % *	74.6	86.7		
SWINE	TDN % *	74.9	87.1		
CALCIUM	%	0.02	0.02		1
COPPER	MG/KG	18.9	22.0		1
IRON	%	0.043	0.050		1
MAGNESIUM	%	0.15	0.18		1
MANGANESE	MG/KG	32.7	38.0		1
PHOSPHORUS	%	0.28	0.33		2
POTASSIUM	%	0.26	0.30		1
ZINC	MG/KG	33.6	39.0		1
ALANINE	%	0.91	1.06		1
ARGININE	%	0.30	0.35		1
ASPARTIC ACID	%	0.67	0.78		1
GLUTAMIC ACID	%	2.39	2.78		1
GLYCINE	%	0.34	0.40		1
HISTIDINE	%	0.20	0.23		1
ISOLEUCINE	%	0.36	0.42		1
LEUCINE	%	1.19	1.38		1
LYSINE	%	0.17	0.20		1
METHIONINE	%	0.15	0.17		1
PHENYLALANINE	%	0.53	0.62		1
PROLINE	%	0.94	1.09		1
SERINE	%	0.64	0.74		1
THREONINE	%	0.32	0.37		1
TYROSINE	%	0.34	0.40		1
VALINE	%	0.52	0.60		1

SORGHUM VULGARE, SACCHARATUM SORGO, GRAIN, GRND, (4)

REF NO 4-11-597

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	85.9	100.0		2
ORGANIC MATTER	%	84.3	98.3		
ASH	%	1.5	1.8		2
CRUDE FIBER	%	2.3	2.7		2
ETHER EXTRACT	%	0.9	1.1		2
NITROGEN FREE EXTRACT	%	73.4	85.5		2
PROTEIN	%	7.8	9.1		2
CATTLE	DIG PROT % *	3.8	4.4		
GOATS	DIG PROT % *	4.8	5.6		
HORSES	DIG PROT % *	4.8	5.6		
SHEEP	DIG PROT % *	4.8	5.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.11	3.63		
SHEEP	DE MCAL/KG *	3.30	3.85		
SWINE	DE KCAL/KG *	3332.	3881.		
CATTLE	ME MCAL/KG *	2.55	2.97		
SHEEP	ME MCAL/KG *	2.71	3.15		
SWINE	ME KCAL/KG *	3138.	3655.		
CATTLE	NE-M MCAL/KG *	1.66	1.93		
CATTLE	NE-GAIN MCAL/KG *	1.11	1.29		
CATTLE	NE-LACTATION MCAL/KG *	1.82	2.12		
CATTLE	TDN % *	70.6	82.2		
SHEEP	TDN % *	74.9	87.3		
SWINE	TDN % *	75.6	88.0		
CALCIUM	%	0.02	0.02		1
COPPER	MG/KG	6.0	7.0		1
IRON	%	0.031	0.036		1
MAGNESIUM	%	0.14	0.16		1
MANGANESE	MG/KG	25.8	30.0		1
PHOSPHORUS	%	0.30	0.35		1
POTASSIUM	%	0.24	0.28		1
ZINC	MG/KG	25.8	30.0		1
ALANINE	%	1.04	1.21		1
ARGININE	%	0.39	0.45		1
ASPARTIC ACID	%	0.73	0.85		1
GLUTAMIC ACID	%	2.74	3.19		1
GLYCINE	%	0.35	0.41		1
HISTIDINE	%	0.27	0.32		1
ISOLEUCINE	%	0.39	0.45		1
LEUCINE	%	1.30	1.52		1
LYSINE	%	0.25	0.29		1
METHIONINE	%	0.12	0.14		1
PHENYLALANINE	%	0.51	0.59		1
PROLINE	%	0.94	1.09		1
SERINE	%	0.70	0.82		1
THREONINE	%	0.33	0.39		1
TYROSINE	%	0.28	0.33		1
VALINE	%	(0.29)	(0.34)		1

SORGHUM VULGARE, SUBGLABRESCENS, SORGHUM, MILO

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, SUBGLABRESCENS MILO, GRAIN, (4)						
REF NO 4-04-444						
DRY MATTER		%	(88.9)	(100.0)		20
ORGANIC MATTER		%	87.2	98.1		
ASH		%	1.7	1.9	11	10
SHEEP	DIG COEF	%	8.	8.		
CRUDE FIBER		%	2.3	2.6	16	10
CATTLE	DIG COEF	%	40.	40.		1
SHEEP	DIG COEF	%	66.	66.		1
SWINE	DIG COEF	%	66.	66.		1
ETHER EXTRACT		%	2.9	3.2	9	12
CATTLE	DIG COEF	%	80.	80.		1
SHEEP	DIG COEF	%	88.	88.		1
SWINE	DIG COEF	%	60.	60.		1
NITROGEN FREE EXTRACT		%	71.8	80.0	2	6
CATTLE	DIG COEF	%	83.	83.		1
SHEEP	DIG COEF	%	96.	96.		1
SWINE	DIG COEF	%	90.	90.		1
PROTEIN		%	10.2	11.4	13	12
CATTLE	DIG COEF	%	57.	57.		1
SHEEP	DIG COEF	%	78.	78.		1
SWINE	DIG COEF	%	71.	71.		1
CATTLE	DIG PROT	%	5.8	6.5		
GOATS	DIG PROT	% *	6.9	7.7		
HORSES	DIG PROT	% *	6.9	7.7		
SHEEP	DIG PROT	%	7.9	8.9		
SWINE	DIG PROT	%	(7.2)	(8.1)		
STARCH		%	(63.7)	(71.6)		3
SUGARS, TOTAL		%	1.4	1.5		3
FATTY ACIDS		%				
LINOLEIC		%	1.099	1.236		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.15	3.55		
SHEEP	DE MCAL/KG	*	3.71	4.17		
SWINE	DE KCAL/KG	*	3407.	3833.		
CATTLE	ME MCAL/KG	*	2.59	2.91		
CHICKENS	ME-N KCAL/KG		2440.	2745.	65	4
SHEEP	ME MCAL/KG	*	3.04	3.42		
SWINE	ME KCAL/KG		2803.	3153.		1
CATTLE	ME-M MCAL/KG	*	1.66	1.87		
CATTLE	ME-GAIN MCAL/KG	*	1.11	1.25		
CATTLE	ME-LACTATION MCAL/KG	*	(1.83)	(2.05)		
CHICKENS	PRODUCTIVE KCAL/KG		2422.	2725.		1
CATTLE	TDN	%	71.5	80.4		1
SHEEP	TDN	%	84.1	94.6		1
SWINE	TDN	%	(77.3)	(86.9)		2
CALCIUM		%	(0.03)	(0.03)	18	4
CHLORINE		%	(0.08)	(0.09)		3
COBALT		MG/KG	(0.025)	(0.028)		1
COPPER		MG/KG	(12.8)	(14.4)		2
IODINE		MG/KG	(0.013)	(0.014)		1
IRON		%	(0.004)	(0.004)		1
MAGNESIUM		%	(0.15)	(0.17)		2
MANGANESE		MG/KG	(13.6)	(15.3)		3
PHOSPHORUS		%	(0.28)	(0.32)	4	4
CHICKENS, CHICKS AVAILABLE		%	(0.10)	(0.11)		1
POTASSIUM		%	(0.35)	(0.39)		3
SODIUM		%	(0.02)	(0.02)	88	4
ZINC		MG/KG	(15.3)	(17.3)		2
A-TOCOPHEROL		MG/KG	(12.1)	(13.6)		2
BIOTIN		MG/KG	(0.83)	(0.93)		3
CHOLINE		MG/KG	(587.)	(661.)		2
FOLIC ACID		MG/KG	(0.17)	(0.19)		3
NIACIN		MG/KG	(36.4)	(40.9)		3
PANTOTHENIC ACID		MG/KG	(10.8)	(12.1)		3
RIBOFLAVIN		MG/KG	(1.2)	(1.3)	26	4
THIAMINE		MG/KG	(3.9)	(4.4)		2
VITAMIN B6		MG/KG	4.00	4.49		1
VITAMIN A EQUIV		IU/G	(0.4)	(0.4)		
ARGININE		%	(0.39)	(0.44)	9	5
CYSTINE		%	(0.18)	(0.20)	13	4
GLUTAMIC ACID		%	(2.49)	(2.80)		1
GLYCINE		%	(0.35)	(0.39)		2
HISTIDINE		%	(0.22)	(0.24)	14	5
ISOLEUCINE		%	(0.53)	(0.60)	13	5
LEUCINE		%	(1.36)	(1.53)	6	4
LYSINE		%	(0.18)	(0.20)	42	5
METHIONINE		%	(0.28)	(0.31)	72	5
PHENYLALANINE		%	(0.40)	(0.45)	23	5
SERINE		%	(0.53)	(0.60)		1
THREONINE		%	(0.25)	(0.28)	58	5
TRYPTOPHAN		%	(0.23)	(0.26)	68	5
TYROSINE		%	(0.48)	(0.55)		3
VALINE		%	0.53	0.59	6	5
SORGHUM VULGARE, SUBGLABRESCENS MILO, GLUTEN, WET MILLED DEHY GRNU, (5) MILO GLUTEN MEAL						
REF NO 5-08-087						
DRY MATTER		%	92.0	100.0		1
ORGANIC MATTER		%	74.6	81.1		
ASH		%	17.4	18.9		1
CRUDE FIBER		%	34.0	37.0		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PROTEIN		%	5.1	5.5		1
SORGHUM VULGARE, SUDANENSE, SORGHUM, SUDANGRASS SWEET SIOUX						
SORGHUM VULGARE, SUDANENSE SUDANGRASS SWEET SIOUX, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-178						
DRY MATTER		%	22.5	100.0	19	4
ORGANIC MATTER		%	20.2	89.9		
ASH		%	2.3	10.1		1
PROTEIN		%	2.9	13.0	30	4
CATTLE	DIG PROT	% *	2.0	9.0		
GOATS	DIG PROT	% *	2.0	8.7		
HORSES	DIG PROT	% *	1.9	8.6		
RABBITS	DIG PROT	% *	2.0	8.7		
SHEEP	DIG PROT	% *	2.0	9.1		
CALCIUM		%	0.07	0.30		3
PHOSPHORUS		%	0.05	0.20		3
SORGHUM VULGARE, SUDANENSE SUDANGRASS SWEET SIOUX, AERIAL PART, FRESH, DOUGH STAGE, (2)						
REF NO 2-13-735						
DRY MATTER		%	32.7	100.0		1
ORGANIC MATTER		%	30.8	94.2		
ASH		%	1.9	5.8		1
CRUDE FIBER		%	12.2	37.2		1
ETHER EXTRACT		%	0.3	0.9		1
NITROGEN FREE EXTRACT		%	16.3	49.8		1
PROTEIN		%	2.1	6.3		1
CATTLE	DIG PROT	% *	1.1	3.2		
GOATS	DIG PROT	% *	0.8	2.4		
HORSES	DIG PROT	% *	0.9	2.9		
RABBITS	DIG PROT	% *	1.2	3.5		
SHEEP	DIG PROT	% *	0.9	2.9		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.76	2.31		
SHEEP	DE MCAL/KG	*	0.80	2.44		
CATTLE	ME MCAL/KG	*	0.62	1.90		
SHEEP	ME MCAL/KG	*	0.65	2.00		
CATTLE	ME-M MCAL/KG	*	0.37	1.12		
CATTLE	ME-GAIN MCAL/KG	*	0.12	0.38		
CATTLE	ME-LACTATION MCAL/KG	*	0.36	1.09		
CATTLE	TDN	% *	17.2	52.5		
SHEEP	TDN	% *	18.1	55.4		
CALCIUM		%	0.02	0.07		1
PHOSPHORUS		%	0.07	0.20		1
SORGHUM VULGARE, SUDANENSE SUDANGRASS SWEET SIOUX, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)						
REF NO 2-13-177						
DRY MATTER		%	19.6	100.0	19	4
PROTEIN		%	2.6	13.3	17	4
CATTLE	DIG PROT	% *	1.8	9.2		
GOATS	DIG PROT	% *	1.8	9.0		
HORSES	DIG PROT	% *	1.7	8.8		
RABBITS	DIG PROT	% *	1.8	8.9		
SHEEP	DIG PROT	% *	1.8	9.4		
CALCIUM		%	0.09	0.46	35	4
PHOSPHORUS		%	0.04	0.23	31	4
SORGHUM VULGARE, SUDANENSE SUDANGRASS SWEET SIOUX, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)						
REF NO 2-13-495						
DRY MATTER		%	17.2	100.0		1
ORGANIC MATTER		%	16.0	93.8		
ASH		%	1.2	6.3		1
ETHER EXTRACT		%	0.4	2.1		1
PROTEIN		%	1.7	8.9		1
CATTLE	DIG PROT	% *	1.0	5.8		
GOATS	DIG PROT	% *	0.9	4.8		
HORSES	DIG PROT	% *	1.0	5.0		
RABBITS	DIG PROT	% *	1.1	5.5		
SHEEP	DIG PROT	% *	1.0	5.2		
CELL WALLS (VAN SOEST)		%	14.1	73.6		1
FIBER, ACID DETERGENT (VS)		%	8.9	46.4		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, SUDANENSE SUDANGRASS SWEET SIOUX, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 2, (2)						
REF NO 2-13-496						
DRY MATTER		%	37.7	100.0		2
ORGANIC MATTER		%	33.8	89.9		1
ASH		%	3.1	8.1		2
CRUDE FIBER		%	8.2	21.7		1
ETHER EXTRACT		%	1.3	3.4		2
NITROGEN FREE EXTRACT		%	20.7	54.9		1
PROTEIN		%	4.5	11.9		2
CATTLE	DIG PROT %	•	3.0	8.0		
GOATS	DIG PROT %	•	2.9	7.6		
HORSES	DIG PROT %	•	2.9	7.6		
RABBITS	DIG PROT %	•	2.9	7.8		
SHEEP	DIG PROT %	•	3.0	8.0		
CELL WALLS (VAN SOEST)		%	28.1	74.7		1
FIBER, ACID DETERGENT (VS)		%	18.0	47.9		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	•	1.34	3.56		
SHEEP	DE MCAL/KG	•	1.10	2.93		
CATTLE	ME MCAL/KG	•	1.10	2.92		
SHEEP	ME MCAL/KG	•	0.90	2.40		
CATTLE	NE-M MCAL/KG	•	0.71	1.88		
CATTLE	NE-GAIN MCAL/KG	•	0.47	1.26		
CATTLE	NE-LACTATION MCAL/KG	•	0.78	2.06		
CATTLE	TDN %	•	30.4	80.7		
SHEEP	TDN %	•	25.0	66.4		
CALCIUM		%	0.52	1.38		1
PHOSPHORUS		%	0.04	0.11		1

SORGHUM VULGARE, SUDANENSE, SORGHUM, SUDANGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SORGHUM VULGARE, SUDANENSE SUDANGRASS, AERIAL PART, FRESH, (2)						
REF NO 2-04-489						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.6		
ASH		%		14.4		1
CRUDE FIBER		%		32.0		1
ETHER EXTRACT		%		1.6		1
NITROGEN FREE EXTRACT		%		38.4		1
PROTEIN		%		13.6		1
CATTLE	DIG PROT %	•		9.5		
GOATS	DIG PROT %	•		9.2		
HORSES	DIG PROT %	•		9.1		
RABBITS	DIG PROT %	•		9.2		
SHEEP	DIG PROT %	•		9.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	•		2.58		
SHEEP	DE MCAL/KG	•		2.48		
CATTLE	ME MCAL/KG	•		2.11		
SHEEP	ME MCAL/KG	•		2.03		
CATTLE	NE-M MCAL/KG	•		1.25		
CATTLE	NE-GAIN MCAL/KG	•		0.60		
CATTLE	NE-LACTATION MCAL/KG	•		1.30		
CATTLE	TDN %	•		53.4		
SHEEP	TDN %	•		56.1		
SORGHUM VULGARE, SUDANENSE SUDANGRASS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1, (2)						
REF NO 2-13-181						
DRY MATTER		%	20.6	100.0		2
PROTEIN		%	2.8	13.8		2
CATTLE	DIG PROT %	•	2.0	9.6		
GOATS	DIG PROT %	•	1.9	9.4		
HORSES	DIG PROT %	•	1.9	9.2		
RABBITS	DIG PROT %	•	1.9	9.3		
SHEEP	DIG PROT %	•	2.0	9.8		
CALCIUM		%	0.08	0.41		2
PHOSPHORUS		%	0.03	0.14		2
SORGHUM VULGARE, SUDANENSE SUDANGRASS, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-08-519						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.8		
ASH		%		6.2		1
CRUDE FIBER		%		33.8		1
ETHER EXTRACT		%		1.7		1
NITROGEN FREE EXTRACT		%		50.9		1
PROTEIN		%		7.6		1
CATTLE	DIG PROT %	•		4.4		
GOATS	DIG PROT %	•		3.7		
HORSES	DIG PROT %	•		4.0		
RABBITS	DIG PROT %	•		4.5		
SHEEP	DIG PROT %	•		4.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	•		2.40		
SHEEP	DE MCAL/KG	•		2.58		
CATTLE	ME MCAL/KG	•		1.96		
SHEEP	ME MCAL/KG	•		2.12		
CATTLE	NE-M MCAL/KG	•		1.16		
CATTLE	NE-GAIN MCAL/KG	•		0.45		
CATTLE	NE-LACTATION MCAL/KG	•		1.1[illegible]		
CATTLE	TDN %	•		54.[illegible]		
SHEEP	TDN %	•		58.5		
SORGHUM VULGARE, SUDANENSE SUDANGRASS, AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, (2)						
REF NO 2-13-165						
DRY MATTER		%	20.5	100.0	26	4
PROTEIN		%	2.8	13.9	5	4
CATTLE	DIG PROT %	•	2.0	9.7		
GOATS	DIG PROT %	•	1.9	9.5		
HORSES	DIG PROT %	•	1.9	9.3		
RABBITS	DIG PROT %	•	1.9	9.4		
SHEEP	DIG PROT %	•	2.0	9.9		
CALCIUM		%	0.09	0.46		3
PHOSPHORUS		%	0.05	0.23		3
SORGHUM VULGARE, SUDANENSE SUDANGRASS, GRAIN, (4)						
REF NO 4-08-520						
DRY MATTER		%	67.3	100.0		1
ORGANIC MATTER		%	65.2	97.6		
ASH		%	2.1	2.4		1
CRUDE FIBER		%	2.7	3.1		1
ETHER EXTRACT		%	5.5	6.3		1
NITROGEN FREE EXTRACT		%	67.9	77.8		1
PROTEIN		%	9.1	10.4		1
CATTLE	DIG PROT %	•	4.9	5.6		
GOATS	DIG PROT %	•	5.9	6.8		
HORSES	DIG PROT %	•	5.9	6.8		
SHEEP	DIG PROT %	•	5.9	6.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	•	3.12	3.58		
SHEEP	DE MCAL/KG	•	3.31	3.79		
SWINE	DE KCAL/KG	•	3245.	3717.		
CATTLE	ME MCAL/KG	•	2.56	2.93		
SHEEP	ME MCAL/KG	•	2.71	3.10		
SWINE	ME KCAL/KG	•	3047.	3490.		
CATTLE	NE-M MCAL/KG	•	1.66	1.90		
CATTLE	NE-GAIN MCAL/KG	•	1.11	1.27		
CATTLE	NE-LACTATION MCAL/KG	•	1.82	2.08		
CATTLE	TDN %	•	70.9	81.2		
SHEEP	TDN %	•	75.0	85.9		
SWINE	TDN	•	73.6	84.3		
SORGHUM VULGARE, SUDANENSE SUDANGRASS, GRAIN, SOAKED AND AIR DRIED, (4)						
REF NO 4-09-758						
DRY MATTER		%	57.6	100.0		3
ORGANIC MATTER		%	54.9	95.4		
ASH		%	2.6	4.6		3
CRUDE FIBER		%	2.6	4.6		3
ETHER EXTRACT		%	5.5	9.6		3
NITROGEN FREE EXTRACT		%	36.0	62.6		3
PROTEIN		%	10.7	18.6		3
CATTLE	DIG PROT %	•	7.5	13.1		
GOATS	DIG PROT %	•	8.2	14.3		
HORSES	DIG PROT %	•	8.2	14.3		
SHEEP	DIG PROT %	•	8.2	14.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	•	2.33	4.05		
SHEEP	DE MCAL/KG	•	2.26	3.93		
SWINE	DE KCAL/KG	•	2263.	3931.		
CATTLE	ME MCAL/KG	•	1.91	3.32		
SHEEP	ME MCAL/KG	•	1.85	3.22		
SWINE	ME KCAL/KG	•	2087.	3626.		
CATTLE	NE-M MCAL/KG	•	1.33	2.31		
CATTLE	NE-GAIN MCAL/KG	•	0.86	1.49		
CATTLE	NE-LACTATION MCAL/KG	•	1.41	2.45		
CATTLE	TDN %	•	52.8	91.8		
SHEEP	TDN %	•	51.3	89.1		
SWINE	TDN %	•	51.3	89.2		

SORGHUM VULGARE, TECHNICUM, SORGHUM, BROOMCORN

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
SORGHUM VULGARE, TECHNICUM BROOMCORN, AERIAL PART, FRESH, (2)				
REF NO 2-13-783				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		92.9	
ASH	%		7.1	1
CRUDE FIBER	%		31.1	1
ETHER EXTRACT	%		1.4	1
NITROGEN FREE EXTRACT	%		53.6	1
PROTEIN	%		6.8	1
CATTLE DIG PROT	% •		[illegible]	
GOATS DIG PROT	% •		2.9	
HORSES DIG PROT	% •		3.3	
RABBITS DIG PROT	% •		3.9	
SHEEP DIG PROT	% •		3.3	
SUGARS, REDUCING	%		3.39	1
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •		2.49	
SHEEP DE	MCAL/KG •		2.60	
CATTLE ME	MCAL/KG •		2.04	
SHEEP ME	MCAL/KG •		2.13	
CATTLE NE-M	MCAL/KG •		1.20	
CATTLE NE-GAIN	MCAL/KG •		0.53	
CATTLE NE-LACTATION	MCAL/KG •		1.23	
CATTLE TDN	% •		56.4	
SHEEP TDN	% •		59.0	
SORGHUM VULGARE, TECHNICUM BROOMCORN, GRAIN, (4)				
REF NO 4-04-349				
DRY MATTER	%	85.4	100.0	1
ORGANIC MATTER	%	(81.6)	(95.6)	
ASH	%	(3.6)	(4.2)	1
CRUDE FIBER	%	(5.2)	(6.1)	1
ETHER EXTRACT	%	(3.2)	(3.7)	1
NITROGEN FREE EXTRACT	%	(63.9)	(74.8)	1
PROTEIN	%	(9.5)	(11.1)	1
CATTLE DIG PROT	% •	(5.3)	(6.2)	
GOATS DIG PROT	% •	(6.3)	(7.4)	
HORSES DIG PROT	% •	(6.3)	(7.4)	
SHEEP DIG PROT	% •	(6.3)	(7.4)	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •	(2.72)	(3.18)	
SHEEP DE	MCAL/KG •	(3.07)	(3.60)	
SWINE DE	KCAL/KG •	(3088.)	(3615.)	
CATTLE ME	MCAL/KG •	(2.23)	(2.61)	
SHEEP ME	MCAL/KG •	(2.52)	(2.95)	
SWINE ME	KCAL/KG •	(2895.)	(3390.)	
CATTLE NE-M	MCAL/KG •	(1.37)	(1.61)	
CATTLE NE-GAIN	MCAL/KG •	(0.89)	(1.04)	
CATTLE NE-LACTATION	MCAL/KG •	(1.51)	(1.77)	
CATTLE TDN	% •	(61.7)	(72.2)	
SHEEP TDN	% •	(69.7)	(81.6)	
SWINE TDN	% •	70.0	82.0	
SORGHUM VULGARE, TECHNICUM BROOMCORN, GRAIN, GRND, (4)				
REF NO 4-04-348				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		95.3	
ASH	%		4.7	2
CRUDE FIBER	%		8.4	3
ETHER EXTRACT	%		4.3	2
NITROGEN FREE EXTRACT	%		75.6	2
PROTEIN	%		7.0	2
CATTLE DIG PROT	% •		2.4	
GOATS DIG PROT	% •		3.6	
HORSES DIG PROT	% •		3.6	
SHEEP DIG PROT	% •		3.6	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG •		2.91	
SHEEP DE	MCAL/KG •		3.51	
SWINE DE	KCAL/KG •		3531.	
CATTLE ME	MCAL/KG •		2.38	
SHEEP ME	MCAL/KG •		2.88	
SWINE ME	KCAL/KG •		3340.	
CATTLE NE-M	MCAL/KG •		1.43	
CATTLE NE-GAIN	MCAL/KG •		0.85	
CATTLE NE-LACTATION	MCAL/KG •		1.56	
CATTLE TDN	% •		65.9	
SHEEP TDN	% •		79.6	
SWINE TDN	% •		80.1	
SORGO				
=SEE SORGHUM VULGARE, SACCHARATUM SORGO NK 222, GRAIN, GRND, (4)				
SOYBEAN CAKE (CFA)				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND CAKED, (5)				
SOYBEAN MEAL, DEHULLED, SOLVENT EXTRACTED (AAFCO)				
=SEE GLYCINE MAX, SEEDS NO HULLS, SOLV EXTD GRND, MX 3% FIBER, (5)				
SOYBEAN MEAL, EXPELLER EXTRACTED				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN MEAL, HYDRAULIC EXTRACTED				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN MEAL, MECHANICAL EXTRACTED (AAFCO)				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN MEAL, SOLVENT EXTRACTED, PELLETED				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD GRND PELLETED, (5)				
SOYBEAN MEAL, SOLVENT EXTRACTED, TOASTED				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD TOASTED GRND, (5)				
SOYBEAN MEAL, SOLVENT EXTRACTED (AAFCO)				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN MEAL, SOLVENT EXTRACTED				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN MEAL (CFA)				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND, (5)				
SOYBEAN MEAL (CFA)				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD GRND, (5)				
SOYBEAN OIL MEAL, DEHULLED, SOLVENT EXTRACTED				
=SEE GLYCINE MAX, SEEDS NO HULLS, SOLV EXTD GRND, MX 3% FIBER, (5)				
SOYBEAN OIL MEAL, EXPELLER EXTRACTED				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN OIL MEAL, HYDRAULIC EXTRACTED				
=SEE GLYCINE MAX, SEEDS, MECH EXTD GRND, MX 7% FIBER, (5)				
SOYBEAN OIL MEAL, SOLVENT EXTRACTED, PELLETED				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD GRND PELLETED, (5)				
SOYBEAN OIL MEAL, SOLVENT EXTRACTED, TOASTED				
=SEE GLYCINE MAX, SEEDS, SOLV EXTD TOASTED GRND, (5)				

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SOYBEAN OIL MEAL, SOLVENT EXTRACTED =SEE GLYCINE MAX, SEEDS, SOLV EXTD GRND, MX 74 FIBER, (5)					
SOYBEAN FLAKES =SEE GLYCINE MAX, HULLS, (1)					
SPARTIUM JUNCEUM, HEAVENSBRUUM					
SPARTIUM JUNCEUM, AERIAL PART, DEHY, (1)					
REF NO 1-13-318					
DRY MATTER		%	93.5	100.0	1
ORGANIC MATTER		%	88.8	95.0	
ASH		%	4.7	5.0	1
CRUDE FIBER		%	12.5	13.4	1
ETHER EXTRACT		%	4.9	5.2	1
NITROGEN FREE EXTRACT		%	54.5	58.3	1
PROTEIN		%	16.9	18.1	1
CATTLE	DIG PROT	% •	11.8	12.6	
GOATS	DIG PROT	% •	12.6	13.4	
HORSES	DIG PROT	% •	12.0	12.9	
RABBITS	DIG PROT	% •	11.8	12.6	
SHEEP	DIG PROT	% •	12.0	12.8	
ENERGY	GE MCAL/KG				
SHEEP	DE MCAL/KG	•	3.14	3.36	
SHEEP	ME MCAL/KG	•	2.58	2.76	
SHEEP	TDN	% •	71.3	76.3	
CALCIUM		%	0.64	0.68	1
PHOSPHORUS		%	0.71	0.76	1
SPARTIUM JUNCEUM, AERIAL PART, DEHY GRND, (1)					
REF NO 1-10-897					
DRY MATTER		%	93.7	100.0	2
ORGANIC MATTER		%	89.2	95.3	
ASH		%	4.4	4.7	2
CRUDE FIBER		%	33.7	36.0	2
ETHER EXTRACT		%	3.0	3.2	2
NITROGEN FREE EXTRACT		%	39.1	41.7	2
PROTEIN		%	13.5	14.4	2
CATTLE	DIG PROT	% •	8.8	9.4	
GOATS	DIG PROT	% •	9.4	10.0	
HORSES	DIG PROT	% •	9.1	9.7	
RABBITS	DIG PROT	% •	9.2	9.8	
SHEEP	DIG PROT	% •	8.9	9.5	
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG	•	2.35	2.51	
HORSES	DE MCAL/KG	•	1.74	1.85	
SHEEP	DE MCAL/KG	•	2.33	2.49	
CATTLE	ME MCAL/KG	•	1.93	2.06	
HORSES	ME MCAL/KG	•	1.42	1.52	
SHEEP	ME MCAL/KG	•	1.91	2.04	
CATTLE	NE-M MCAL/KG	•	1.14	1.22	
CATTLE	NE-GAIN MCAL/KG	•	0.52	0.55	
CATTLE	NE-LACTATION MCAL/KG	•	1.17	1.25	
CATTLE	TDN	% •	53.4	57.0	
HORSES	TDN	% •	43.2	46.1	
SHEEP	TDN	% •	52.8	56.4	
CALCIUM		%	0.54	0.58	1
PHOSPHORUS		%	0.09	0.10	1
SPARTIUM JUNCEUM, ROOTS, DEHY GRND, (1)					
REF NO 1-10-899					
DRY MATTER		%	87.0	100.0	1
ORGANIC MATTER		%	81.7	93.9	
ASH		%	5.3	6.1	1
CRUDE FIBER		%	16.3	18.7	1
ETHER EXTRACT		%	1.4	1.6	1
NITROGEN FREE EXTRACT		%	52.8	60.7	1
PROTEIN		%	11.2	12.9	1
CATTLE	DIG PROT	% •	7.0	8.1	
GOATS	DIG PROT	% •	7.5	8.6	
HORSES	DIG PROT	% •	7.4	8.5	
RABBITS	DIG PROT	% •	7.5	8.6	
SHEEP	DIG PROT	% •	7.1	8.1	
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG	•	2.32	2.66	
HORSES	DE MCAL/KG	•	1.51	1.73	
SHEEP	DE MCAL/KG	•	2.35	2.71	
CATTLE	ME MCAL/KG	•	1.90	2.18	
HORSES	ME MCAL/KG	•	1.24	1.42	
SHEEP	ME MCAL/KG	•	1.93	2.22	
CATTLE	NE-M MCAL/KG	•	1.13	1.30	
CATTLE	NE-GAIN MCAL/KG	•	0.59	0.67	
CATTLE	NE-LACTATION MCAL/KG	•	1.19	1.37	
CATTLE	TDN	% •	52.6	60.4	
HORSES	TDN	% •	37.2	42.8	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
SHEEP	TDN	% •	53.4	61.4	
CALCIUM		%	1.79	2.06	1
PHOSPHORUS		%	0.31	0.36	1
SPARTIUM JUNCEUM, STEMS, S-C, (1)					
REF NO 1-10-898					
DRY MATTER		%	84.2	100.0	1
ORGANIC MATTER		%	80.4	95.5	
ASH		%	3.8	4.5	1
CRUDE FIBER		%	43.6	51.8	1
PROTEIN		%	6.3	7.5	1
CATTLE	DIG PROT	% •	2.9	3.4	
GOATS	DIG PROT	% •	3.0	3.5	
HORSES	DIG PROT	% •	3.3	3.9	
RABBITS	DIG PROT	% •	3.7	4.4	
SHEEP	DIG PROT	% •	2.8	3.3	
LIGNIN (ELLIS)		%	15.9	18.9	1
SPARTIUM JUNCEUM, TWIGS, DEHY GRND, (1)					
REF NO 1-10-896					
DRY MATTER		%	90.3	100.0	1
ORGANIC MATTER		%	86.4	95.7	
ASH		%	3.9	4.3	1
CRUDE FIBER		%	34.4	38.1	1
ETHER EXTRACT		%	2.9	3.2	1
NITROGEN FREE EXTRACT		%	36.7	40.6	1
PROTEIN		%	12.4	13.7	1
CATTLE	DIG PROT	% •	8.0	8.8	
GOATS	DIG PROT	% •	8.5	9.4	
HORSES	DIG PROT	% •	8.3	9.2	
RABBITS	DIG PROT	% •	8.4	9.3	
SHEEP	DIG PROT	% •	8.0	8.9	
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG	•	2.22	2.46	
HORSES	DE MCAL/KG	•	1.65	1.83	
SHEEP	DE MCAL/KG	•	2.21	2.45	
CATTLE	ME MCAL/KG	•	1.82	2.02	
HORSES	ME MCAL/KG	•	1.35	1.50	
SHEEP	ME MCAL/KG	•	1.81	2.01	
CATTLE	NE-M MCAL/KG	•	1.07	1.19	
CATTLE	NE-GAIN MCAL/KG	•	0.46	0.51	
CATTLE	NE-LACTATION MCAL/KG	•	1.09	1.21	
CATTLE	TDN	% •	50.4	55.9	
HORSES	TDN	% •	41.0	45.4	
SHEEP	TDN	% •	50.2	55.6	
CALCIUM		%	0.52	0.58	1
PHOSPHORUS		%	0.10	0.11	1
SPARTIUM JUNCEUM, SEEDS, DEHY GRND, (5)					
REF NO 5-10-900					
DRY MATTER		%	87.0	100.0	1
ORGANIC MATTER		%	81.3	93.4	
ASH		%	5.7	6.6	1
CRUDE FIBER		%	8.0	9.2	1
ETHER EXTRACT		%	9.7	11.1	1
NITROGEN FREE EXTRACT		%	30.3	34.8	1
PROTEIN		%	33.3	38.3	1
ENERGY	GE MCAL/KG				
CATTLE	DE MCAL/KG	•	3.06	3.52	
SHEEP	DE MCAL/KG	•	3.42	3.93	
CATTLE	ME MCAL/KG	•	2.51	2.88	
SHEEP	ME MCAL/KG	•	2.81	3.23	
CATTLE	NE-M MCAL/KG	•	1.61	1.85	
CATTLE	NE-GAIN MCAL/KG	•	1.07	1.23	
CATTLE	NE-LACTATION MCAL/KG	•	1.77	2.03	
CATTLE	TDN	% •	69.4	79.7	
SHEEP	TDN	% •	77.6	89.2	
CALCIUM		%	0.42	0.48	1
PHOSPHORUS		%	0.92	1.06	1
SPENT BONE BLACK =SEE ANIMAL, BONE CHARCOAL, RETORT CHARRED GRND, (6)					
SPHAERALCEA BONARIENSIS, GLOBEMALLOW, BONARIENSIS					

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPHAERALCEA BONARIENSIS BONARIENSIS, AERIAL PART, FRESH, (2)						
REF NO 2-11-739						
DRY MATTER		%	37.8	100.0		1
ORGANIC MATTER		%	33.1	87.6		
ASH		%	4.7	12.4		1
CRUDE FIBER		%	9.6	25.3		1
ETHER EXTRACT		%	0.8	2.2		1
NITROGEN FREE EXTRACT		%	17.8	47.0		1
PROTEIN		%	5.0	13.1		1
CATTLE	DIG PROT	% *	3.4	9.0		
GOATS	DIG PROT	% *	3.3	8.8		
HORSES	DIG PROT	% *	3.3	8.7		
RABBITS	DIG PROT	% *	3.3	8.8		
SHEEP	DIG PROT	% *	3.5	9.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.01	2.66		
SHEEP	DE	MCAL/KG *	1.02	2.69		
CATTLE	ME	MCAL/KG *	0.83	2.20		
SHEEP	ME	MCAL/KG *	0.83	2.20		
CATTLE	NE-M	MCAL/KG *	0.49	1.31		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.69		
CATTLE	NE-LACTATION	MCAL/KG *	0.52	1.38		
CATTLE	TDN	% *	23.0	60.8		
SHEEP	TDN	% *	23.0	60.9		
SPOROBOLUS AIROIDES, ALKALI SACATON						
SPOROBOLUS AIROIDES, HAY, S-C, (1)						
REF NO 1-04-097						
DRY MATTER		%	91.5	100.0	7	6
ORGANIC MATTER		%	85.1	93.0		
ASH		%	6.4	7.0	16	6
CRUDE FIBER		%	33.4	36.5	6	6
ETHER EXTRACT		%	1.1	1.2	26	6
NITROGEN FREE EXTRACT		%	46.8	51.1	3	6
PROTEIN		%	3.8	4.1	27	6
CATTLE	DIG PROT	% *	0.5	0.5		
GOATS	DIG PROT	% *	0.4	0.4		
HORSES	DIG PROT	% *	1.0	1.0		
RABBITS	DIG PROT	% *	1.7	1.9		
SHEEP	DIG PROT	% *	0.3	0.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.03	2.22		
HORSES	DE	MCAL/KG *	1.26	1.37		
SHEEP	DE	MCAL/KG *	2.01	2.20		
CATTLE	ME	MCAL/KG *	1.66	1.82		
HORSES	ME	MCAL/KG *	1.03	1.13		
SHEEP	ME	MCAL/KG *	1.65	1.80		
CATTLE	NE-M	MCAL/KG *	0.98	1.07		
CATTLE	NE-GAIN	MCAL/KG *	0.26	0.29		
CATTLE	NE-LACTATION	MCAL/KG *	0.93	1.01		
CATTLE	TDN	% *	46.0	50.3		
HORSES	TDN	% *	30.1	32.9		
SHEEP	TDN	% *	45.7	49.9		
CALCIUM		%	0.12	0.13	53	6
PHOSPHORUS		%	0.04	0.04	13	6
VITAMIN A EQUIV		IU/G	1.1	1.2		
SPOROBOLUS INDICUS, SHOTGRASS, WEST INDIES						
SPOROBOLUS INDICUS WEST INDIES, HAY, S-C, (1)						
REF NO 1-09-452						
DRY MATTER		%	90.6	100.0		2
ORGANIC MATTER		%	84.8	93.7		
ASH		%	5.7	6.3		2
CRUDE FIBER		%	32.7	36.1		2
ETHER EXTRACT		%	1.8	1.9		2
NITROGEN FREE EXTRACT		%	45.5	50.2		2
PROTEIN		%	4.9	5.4		2
CATTLE	DIG PROT	% *	1.4	1.6		
GOATS	DIG PROT	% *	1.4	1.6		
HORSES	DIG PROT	% *	1.9	2.1		
RABBITS	DIG PROT	% *	2.6	2.8		
SHEEP	DIG PROT	% *	1.3	1.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.12	2.34		
HORSES	DE	MCAL/KG *	1.48	1.63		
SHEEP	DE	MCAL/KG *	2.05	2.27		
CATTLE	ME	MCAL/KG *	1.74	1.92		
HORSES	ME	MCAL/KG *	1.21	1.34		
SHEEP	ME	MCAL/KG *	1.68	1.86		
CATTLE	NE-M	MCAL/KG *	1.02	1.13		
CATTLE	NE-GAIN	MCAL/KG *	0.37	0.40		
CATTLE	NE-LACTATION	MCAL/KG *	1.01	1.11		
CATTLE	TDN	% *	48.1	53.1		
HORSES	TDN	% *	36.2	40.0		
SHEEP	TDN	% *	46.6	51.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPOROBOLUS INDICUS WEST INDIES, AERIAL PART, FRESH, (2)						
REF NO 2-10-085						
DRY MATTER		%	36.0	100.0	13	6
PROTEIN		%	2.9	8.0	57	6
CATTLE	DIG PROT	% *	1.7	4.7		
GOATS	DIG PROT	% *	1.4	4.0		
HORSES	DIG PROT	% *	1.5	4.3		
RABBITS	DIG PROT	% *	1.7	4.8		
SHEEP	DIG PROT	% *	1.6	4.4		
CALCIUM		%	0.08	0.22	40	6
PHOSPHORUS		%	0.06	0.16	41	6
SPOROBOLUS POIRETI, SHOTGRASS, RATTAIL						
SPOROBOLUS POIRETI RATTAIL, AERIAL PART, FRESH, (2)						
REF NO 2-10-238						
DRY MATTER		%	36.0	100.0		2
PROTEIN		%	3.4	9.5		2
CATTLE	DIG PROT	% *	2.1	5.9		
GOATS	DIG PROT	% *	1.9	5.4		
HORSES	DIG PROT	% *	2.0	5.6		
RABBITS	DIG PROT	% *	2.2	6.0		
SHEEP	DIG PROT	% *	2.1	5.8		
SPOROBOLUS POIRETI RATTAIL, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-10-890						
DRY MATTER		%	18.0	100.0		1
ORGANIC MATTER		%	15.8	88.0		
ASH		%	2.2	12.0		1
CRUDE FIBER		%	5.1	28.2		1
ETHER EXTRACT		%	0.2	1.0		1
NITROGEN FREE EXTRACT		%	9.5	53.0		1
PROTEIN		%	1.0	5.8		1
CATTLE	DIG PROT	% *	0.5	2.8		
GOATS	DIG PROT	% *	0.4	2.0		
HORSES	DIG PROT	% *	0.4	2.5		
RABBITS	DIG PROT	% *	0.6	3.1		
SHEEP	DIG PROT	% *	0.4	2.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.47	2.58		
SHEEP	DE	MCAL/KG *	0.45	2.52		
CATTLE	ME	MCAL/KG *	0.38	2.12		
SHEEP	ME	MCAL/KG *	0.37	2.07		
CATTLE	NE-M	MCAL/KG *	0.23	1.25		
CATTLE	NE-GAIN	MCAL/KG *	0.11	0.61		
CATTLE	NE-LACTATION	MCAL/KG *	0.23	1.30		
CATTLE	TDN	% *	10.5	58.6		
SHEEP	TDN	% *	10.3	57.2		
SPOROBOLUS PYRAMIDATUS, DROPSEED, WHORLED						
SPOROBOLUS PYRAMIDATUS WHORLED, HAY, S-C, (1)						
REF NO 1-11-736						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.4		
ASH		%		13.6		1
CRUDE FIBER		%		18.2		1
ETHER EXTRACT		%		2.2		1
NITROGEN FREE EXTRACT		%		50.4		1
PROTEIN		%		15.6		1
CATTLE	DIG PROT	% *		10.4		
GOATS	DIG PROT	% *		11.1		
HORSES	DIG PROT	% *		10.8		
RABBITS	DIG PROT	% *		10.7		
SHEEP	DIG PROT	% *		10.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.79		
HORSES	DE	MCAL/KG *		1.97		
SHEEP	DE	MCAL/KG *		2.65		
CATTLE	ME	MCAL/KG *		2.29		
HORSES	ME	MCAL/KG *		1.62		
SHEEP	ME	MCAL/KG *		2.18		
CATTLE	NE-M	MCAL/KG *		1.36		
CATTLE	NE-GAIN	MCAL/KG *		0.77		
CATTLE	NE-LACTATION	MCAL/KG *		1.46		
CATTLE	TDN	% *		63.2		
HORSES	TDN	% *		49.4		
SHEEP	TDN	% *		60.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPOROBOLUS PYRAMIDATUS WHORLED, ROOTS, DEHY, (4)						
REF NO 4-11-737						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		79.1		
ASH		%		20.9		1
CRUDE FIBER		%		16.9		1
ETHER EXTRACT		%		1.1		1
NITROGEN FREE EXTRACT		%		50.7		1
PROTEIN		%		10.4		1
CATTLE	DIG PROT	% •		5.6		
GOATS	DIG PROT	% •		6.8		
HORSES	DIG PROT	% •		6.6		
SHEEP	DIG PROT	% •		6.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG •		0.18		
SHEEP	DE	MCAL/KG •		2.65		
SWINE	DE	KCAL/KG •		1666.		
CATTLE	ME	MCAL/KG •		0.15		
SHEEP	ME	MCAL/KG •		2.17		
SWINE	ME	KCAL/KG •		1564.		
CATTLE	NE-M	MCAL/KG •		0.46		
CATTLE	NE-GAIN	MCAL/KG •		-2.73		
CATTLE	NE-LACTATION	MCAL/KG •		-0.58		
CATTLE	TDN	% •		4.1		
SHEEP	TDN	% •		60.1		
SWINE	TDN	% •		37.8		

SPOROBOLUS HIGENS, DROPSEED, HIGENS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPOROBOLUS HIGENS HIGENS, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)						
REF NO 1-15-404						
DRY MATTER		%		100.0		
PROTEIN		%		4.9	7	12
CATTLE	DIG PROT	% •		1.2		
GOATS	DIG PROT	% •		1.2		
HORSES	DIG PROT	% •		1.7		
RABBITS	DIG PROT	% •		2.5		
SHEEP	DIG PROT	% •		1.0		
PHOSPHORUS		%		0.14	35	7

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPOROBOLUS HIGENS HIGENS, AERIAL PART, FRESH, (2)						
REF NO 2-10-785						
DRY MATTER		%		100.0		
PROTEIN		%		4.9	7	12
CATTLE	DIG PROT	% •		2.1		
GOATS	DIG PROT	% •		1.2		
HORSES	DIG PROT	% •		1.7		
RABBITS	DIG PROT	% •		2.5		
SHEEP	DIG PROT	% •		1.6		
PHOSPHORUS		%		0.13	34	6

SPOROBOLUS SUBINCLUSUS, DROPSEED, SUBINCLUSUS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPOROBOLUS SUBINCLUSUS SUBINCLUSUS, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)						
REF NO 1-15-403						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		40.		3
PROTEIN		%		7.9	25	10
CATTLE	DIG PROT	% •		3.8		
GOATS	DIG PROT	% •		4.0		
HORSES	DIG PROT	% •		4.3		
RABBITS	DIG PROT	% •		4.8		
SHEEP	DIG PROT	% •		3.7		
PHOSPHORUS		%		0.14	40	5

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SPOROBOLUS SUBINCLUSUS SUBINCLUSUS, AERIAL PART, FRESH, (2)						
REF NO 2-10-889						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		40.		3
PROTEIN		%		7.9	25	10
CATTLE	DIG PROT	% •		4.6		
GOATS	DIG PROT	% •		3.9		
HORSES	DIG PROT	% •		4.2		
RABBITS	DIG PROT	% •		4.8		
SHEEP	DIG PROT	% •		4.4		
PHOSPHORUS		%		0.14	40	5

STENOTAPHRUM SECUNDATUM, SAINT AUGUSTINEGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STENOTAPHRUM SECUNDATUM, AERIAL PART, FRESH, (2)						
REF NO 2-08-090						
DRY MATTER		%	22.5	100.0	21	6
ORGANIC MATTER		%	20.1	89.1		
ASH		%	2.5	10.9		3
CRUDE FIBER		%	6.4	28.4		3
ETHER EXTRACT		%	0.4	1.8		3
NITROGEN FREE EXTRACT		%	11.4	50.6		3
PROTEIN		%	1.9	8.4	25	7
CATTLE	DIG PROT	% •	1.1	5.0		
GOATS	DIG PROT	% •	1.0	4.4		
HORSES	DIG PROT	% •	1.0	4.6		
RABBITS	DIG PROT	% •	1.2	5.1		
SHEEP	DIG PROT	% •	1.1	4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG •	0.58	2.57		
SHEEP	DE	MCAL/KG •	0.59	2.60		
CATTLE	ME	MCAL/KG •	0.47	2.11		
SHEEP	ME	MCAL/KG •	0.46	2.13		
CATTLE	NE-M	MCAL/KG •	0.26	1.24		
CATTLE	NE-GAIN	MCAL/KG •	0.13	0.60		
CATTLE	NE-LACTATION	MCAL/KG •	0.29	1.29		
CATTLE	TDN	% •	13.1	58.2		
SHEEP	TDN	% •	13.3	59.0		

STIPA BRACHYPHYLLA, NEEDLEGRASS, BRACHYPHYLLA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA BRACHYPHYLLA BRACHYPHYLLA, AERIAL PART, FRESH, (2)						
REF NO 2-10-905						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.2		
ASH		%		3.8	59	5
CRUDE FIBER		%		33.3		1
PROTEIN		%		5.2	20	5
CATTLE	DIG PROT	% •		2.3		
GOATS	DIG PROT	% •		1.4		
HORSES	DIG PROT	% •		1.9		
RABBITS	DIG PROT	% •		2.7		
SHEEP	DIG PROT	% •		1.8		
CALCIUM		%		0.19	8	5
COBALT		MG/KG		0.076	48	5
COPPER		MG/KG		6.4	47	5
MANGANESE		MG/KG		70.2	47	5
MOLYBDENUM		MG/KG		0.24	98	5
PHOSPHORUS		%		0.16	38	5
ZINC		MG/KG		54.6		2

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA BRACHYPHYLLA BRACHYPHYLLA, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-906						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		97.1		
ASH		%		2.9		1
CRUDE FIBER		%		37.9		1
ETHER EXTRACT		%		0.6		1
NITROGEN FREE EXTRACT		%		56.7		1
PROTEIN		%		1.9		1
CATTLE	DIG PROT	% •		-0.5		
GOATS	DIG PROT	% •		-1.6		
HORSES	DIG PROT	% •		-0.8		
RABBITS	DIG PROT	% •		0.2		
SHEEP	DIG PROT	% •		-1.2		
CALCIUM		%		0.12		1
COBALT		MG/KG		0.158		1
COPPER		MG/KG		4.6		1
MANGANESE		MG/KG		34.4		1
MOLYBDENUM		MG/KG		0.47		1
PHOSPHORUS		%		0.06		1

STIPA DEPAUPERATA, NEEDLEGRASS, DEPAUPERATA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA DEPAUPERATA DEPAUPERATA, AERIAL PART, FRESH, (2)						
REF NO 2-10-903						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.4		
ASH		%		5.6	35	17
CRUDE FIBER		%		33.8		2
PROTEIN		%		6.3	31	17
CATTLE	DIG PROT	% •		3.2		
GOATS	DIG PROT	% •		2.4		
HORSES	DIG PROT	% •		2.9		
RABBITS	DIG PROT	% •		3.5		
SHEEP	DIG PROT	% •		2.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALCIUM		%		0.22	75	17
COBALT		MG/KG		0.124	73	17
COPPER		MG/KG		3.6	34	17
MANGANESE		MG/KG		96.0	98	17
MOLYBDENUM		MG/KG		0.06	98	17
PHOSPHORUS		%		0.12	47	17

STIPA DEPAUPERATA DEPAUPERATA, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-10-902

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.0		
ASH		%		6.0	56	6
CRUDE FIBER		%		36.3	3	6
ETHER EXTRACT		%		1.8	18	6
NITROGEN FREE EXTRACT		%		53.2	5	6
PROTEIN		%		2.7	9	6
CATTLE	DIG PROT	% *		0.2		
GOATS	DIG PROT	% *		-0.9		
HORSES	DIG PROT	% *		-0.1		
RABBITS	DIG PROT	% *		0.8		
SHEEP	DIG PROT	% *		-0.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.05		
SHEEP	DE	MCAL/KG *		2.45		
CATTLE	ME	MCAL/KG *		1.68		
SHEEP	ME	MCAL/KG *		2.01		
CATTLE	NE-M	MCAL/KG *		1.00		
CATTLE	NE-GAIN	MCAL/KG *		0.13		
CATTLE	NE-LACTATION	MCAL/KG *		0.89		
CATTLE	TDN	% *		46.6		
SHEEP	TDN	% *		55.5		
CALCIUM		%		0.17	56	6
COBALT		MG/KG		0.237	56	6
COPPER		MG/KG		3.2	26	6
MANGANESE		MG/KG		49.6	53	6
MOLYBDENUM		MG/KG		0.36		3
PHOSPHORUS		%		0.07	40	6

STIPA HANSMEYERI, NEEDLEGRASS, HANSMEYERI

STIPA HANSMEYERI HANSMEYERI, AERIAL PART, FRESH, (2)

REF NO 2-11-523

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.1		
ASH		%		3.9		3
PROTEIN		%		5.0		3
CATTLE	DIG PROT	% *		2.2		
GOATS	DIG PROT	% *		1.3		
HORSES	DIG PROT	% *		1.8		
RABBITS	DIG PROT	% *		2.6		
SHEEP	DIG PROT	% *		1.7		
CALCIUM		%		0.17		3
COBALT		MG/KG		0.033		3
COPPER		MG/KG		4.1		3
MANGANESE		MG/KG		365.7		3
MOLYBDENUM		MG/KG		0.42		3
PHOSPHORUS		%		0.10		3
ZINC		MG/KG		27.5		3

STIPA HUMILIS, NEEDLEGRASS, HUMILIS

STIPA HUMILIS HUMILIS, AERIAL PART, FRESH, (2)

REF NO 2-10-908

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.6		
ASH		%		6.4		1
ETHER EXTRACT		%		3.1		1
PROTEIN		%		7.5		1
CATTLE	DIG PROT	% *		4.3		
GOATS	DIG PROT	% *		3.6		
HORSES	DIG PROT	% *		3.9		
RABBITS	DIG PROT	% *		4.5		
SHEEP	DIG PROT	% *		4.0		
CALCIUM		%		0.36		1
COBALT		MG/KG		0.182		1
COPPER		MG/KG		5.0		1
MANGANESE		MG/KG		113.6		1
MOLYBDENUM		MG/KG		0.10		1
PHOSPHORUS		%		0.40		1

STIPA ICHU, NEEDLEGRASS, ICHU

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA ICHU ICHU, HAY, S-C, (1)						
REF NO 1-10-800						
DRY MATTER		%	80.3	100.0		2
ORGANIC MATTER		%	72.6	90.5		
ASH		%	7.7	9.5		2
CRUDE FIBER		%	31.8	39.6		2
ETHER EXTRACT		%	1.1	1.3		2
NITROGEN FREE EXTRACT		%	36.6	45.5		2
PROTEIN		%	3.3	4.1		2
CATTLE	DIG PROT	% *	0.4	0.5		
GOATS	DIG PROT	% *	0.3	0.3		
HORSES	DIG PROT	% *	0.8	1.0		
RABBITS	DIG PROT	% *	1.4	1.8		
SHEEP	DIG PROT	% *	0.2	0.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.70	2.12		
HORSES	DE	MCAL/KG *	1.14	1.42		
SHEEP	DE	MCAL/KG *	1.70	2.11		
CATTLE	ME	MCAL/KG *	1.39	1.73		
HORSES	ME	MCAL/KG *	0.94	1.17		
SHEEP	ME	MCAL/KG *	1.39	1.73		
CATTLE	NE-M	MCAL/KG *	0.83	1.03		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.19		
CATTLE	NE-LACTATION	MCAL/KG *	0.75	0.94		
CATTLE	TDN	% *	38.5	48.0		
HORSES	TDN	% *	27.5	34.2		
SHEEP	TDN	% *	38.5	48.0		
CALCIUM		%	0.31	0.39		2
MAGNESIUM		%	0.04	0.06		1
PHOSPHORUS		%	0.03	0.03		2

STIPA ICHU ICHU, AERIAL PART, FRESH, (2)

REF NO 2-10-901

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.3		
ASH		%		4.8	29	43
CRUDE FIBER		%		35.4	9	6
ETHER EXTRACT		%		1.3		2
NITROGEN FREE EXTRACT		%		53.4		2
PROTEIN		%		5.1	25	43
CATTLE	DIG PROT	% *		2.3		
GOATS	DIG PROT	% *		1.4		
HORSES	DIG PROT	% *		1.9		
RABBITS	DIG PROT	% *		2.6		
SHEEP	DIG PROT	% *		1.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.23		
SHEEP	DE	MCAL/KG *		2.52		
CATTLE	ME	MCAL/KG *		1.83		
SHEEP	ME	MCAL/KG *		2.06		
CATTLE	NE-M	MCAL/KG *		1.08		
CATTLE	NE-GAIN	MCAL/KG *		0.30		
CATTLE	NE-LACTATION	MCAL/KG *		1.02		
CATTLE	TDN	% *		50.9		
SHEEP	TDN	% *		57.1		
CALCIUM		%		0.20	25	43
COBALT		MG/KG		0.108	64	41
COPPER		MG/KG		2.5	38	41
MAGNESIUM		%		0.05		2
MANGANESE		MG/KG		45.9	89	41
MOLYBDENUM		MG/KG		0.06	98	26
PHOSPHORUS		%		0.09	60	43

STIPA ICHU ICHU, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-11-522

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.1		
ASH		%		5.9		3
PROTEIN		%		5.2		3
CATTLE	DIG PROT	% *		2.3		
GOATS	DIG PROT	% *		1.4		
HORSES	DIG PROT	% *		2.0		
RABBITS	DIG PROT	% *		2.7		
SHEEP	DIG PROT	% *		1.9		
CALCIUM		%		0.37		3
COPPER		MG/KG		3.0		3
MANGANESE		MG/KG		31.4		3
MOLYBDENUM		MG/KG		0.37		3
PHOSPHORUS		%		0.05		3
ZINC		MG/KG		7.6		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA ICHU ICHU, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-10-799						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.9		
ASH		%		4.1	30	11
CRUDE FIBER		%		37.6	9	11
ETHER EXTRACT		%		1.6	21	11
NITROGEN FREE EXTRACT		%		53.5	7	11
PROTEIN		%		3.1	19	11
CATTLE	DIG PROT	% *		0.5		
GOATS	DIG PROT	% *		-0.6		
HORSES	DIG PROT	% *		0.2		
RABBITS	DIG PROT	% *		1.1		
SHEEP	DIG PROT	% *		-0.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		1.99		
SHEEP	DE MCAL/KG	*		2.46		
CATTLE	ME MCAL/KG	*		1.63		
SHEEP	ME MCAL/KG	*		2.01		
CATTLE	NE-M MCAL/KG	*		0.98		
CATTLE	NE-GAIN MCAL/KG	*		0.07		
CATTLE	NE-LACTATION MCAL/KG	*		0.84		
CATTLE	TDN	% *		45.1		
SHEEP	TDN	% *		55.7		
CALCIUM		%		0.16	40	11
COBALT		MG/KG		0.194	65	11
COPPER		MG/KG		2.2	17	11
MANGANESE		MG/KG		47.8	90	11
MOLYBDENUM		MG/KG		0.30	86	9
PHOSPHORUS		%		0.05	54	11
STIPA MEXICANA, NEEDLEGRASS, MEXICAN						
STIPA MEXICANA MEXICAN, AERIAL PART, FRESH, (2)						
REF NO 2-10-909						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.4		
ASH		%		4.6		3
ETHER EXTRACT		%		1.6		1
PROTEIN		%		6.3		3
CATTLE	DIG PROT	% *		3.2		
GOATS	DIG PROT	% *		2.4		
HORSES	DIG PROT	% *		2.8		
RABBITS	DIG PROT	% *		3.5		
SHEEP	DIG PROT	% *		2.8		
CALCIUM		%		0.18		3
COBALT		MG/KG		0.107		3
COPPER		MG/KG		3.7		3
MANGANESE		MG/KG		63.6		3
MOLYBDENUM		MG/KG		0.10		2
PHOSPHORUS		%		0.20		3
STIPA MUCROMATA, NEEDLEGRASS, MUCROMATA						
STIPA MUCROMATA MUCROMATA, AERIAL PART, FRESH, (2)						
REF NO 2-10-907						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		85.7		
ASH		%		14.3		1
CRUDE FIBER		%		26.8		1
ETHER EXTRACT		%		1.9		1
NITROGEN FREE EXTRACT		%		50.8		1
PROTEIN		%		6.2		1
CATTLE	DIG PROT	% *		3.1		
GOATS	DIG PROT	% *		2.3		
HORSES	DIG PROT	% *		2.8		
RABBITS	DIG PROT	% *		3.4		
SHEEP	DIG PROT	% *		2.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.50		
SHEEP	DE MCAL/KG	*		2.54		
CATTLE	ME MCAL/KG	*		2.05		
SHEEP	ME MCAL/KG	*		2.08		
CATTLE	NE-M MCAL/KG	*		1.21		
CATTLE	NE-GAIN MCAL/KG	*		0.54		
CATTLE	NE-LACTATION MCAL/KG	*		1.24		
CATTLE	TDN	% *		56.7		
SHEEP	TDN	% *		57.5		
CALCIUM		%		0.48		1
MAGNESIUM		%		0.07		1
PHOSPHORUS		%		0.07		1
STIPA NEESIANA, NEEDLEGRASS, URUGUAY						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA NEESIANA URUGUAY, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-10-867						
DRY MATTER		%	56.8	100.0		1
ORGANIC MATTER		%	49.9	87.9		
ASH		%	6.9	12.1		1
CRUDE FIBER		%	17.0	30.0		1
ETHER EXTRACT		%	0.9	1.5		1
NITROGEN FREE EXTRACT		%	29.1	51.3		1
PROTEIN		%	2.9	5.1		1
CATTLE	DIG PROT	% *	1.3	2.2		
GOATS	DIG PROT	% *	0.7	1.3		
HORSES	DIG PROT	% *	1.1	1.9		
RABBITS	DIG PROT	% *	1.5	2.6		
SHEEP	DIG PROT	% *	1.0	1.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.38	2.43		
SHEEP	DE MCAL/KG	*	1.41	2.49		
CATTLE	ME MCAL/KG	*	1.13	1.99		
SHEEP	ME MCAL/KG	*	1.16	2.04		
CATTLE	NE-M MCAL/KG	*	0.67	1.18		
CATTLE	NE-GAIN MCAL/KG	*	0.27	0.48		
CATTLE	NE-LACTATION MCAL/KG	*	0.67	1.18		
CATTLE	TDN	% *	31.3	55.2		
SHEEP	TDN	% *	32.0	56.4		
CALCIUM		%	0.13	0.23		1
PHOSPHORUS		%	0.04	0.07		1
STIPA OBTUSA, NEEDLEGRASS, OBTUSA						
STIPA OBTUSA OBTUSA, AERIAL PART, FRESH, (2)						
REF NO 2-10-904						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.4		
ASH		%		5.6		3
CRUDE FIBER		%		39.3		1
ETHER EXTRACT		%		1.6		1
NITROGEN FREE EXTRACT		%		48.0		1
PROTEIN		%		5.5		3
CATTLE	DIG PROT	% *		2.5		
GOATS	DIG PROT	% *		1.7		
HORSES	DIG PROT	% *		2.2		
RABBITS	DIG PROT	% *		2.9		
SHEEP	DIG PROT	% *		2.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.06		
SHEEP	DE MCAL/KG	*		2.44		
CATTLE	ME MCAL/KG	*		1.69		
SHEEP	ME MCAL/KG	*		2.00		
CATTLE	NE-M MCAL/KG	*		1.00		
CATTLE	NE-GAIN MCAL/KG	*		0.13		
CATTLE	NE-LACTATION MCAL/KG	*		0.89		
CATTLE	TDN	% *		46.7		
SHEEP	TDN	% *		55.3		
CALCIUM		%		0.19		3
COBALT		MG/KG		0.193		2
COPPER		MG/KG		3.3		2
MANGANESE		MG/KG		86.7		2
MOLYBDENUM		MG/KG		0.08		2
PHOSPHORUS		%		0.11		2
STIPA SPP, NEEDLEGRASS						
STIPA SPP, HAY, S-C, (1)						
REF NO 1-03-202						
DRY MATTER		%	80.0	100.0		1
ORGANIC MATTER		%	72.8	91.0		
ASH		%	7.2	9.0		1
CRUDE FIBER		%	28.8	36.0		1
ETHER EXTRACT		%	1.0	1.3		1
NITROGEN FREE EXTRACT		%	39.8	49.8		1
PROTEIN		%	3.1	3.9		1
CATTLE	DIG PROT	% *	0.3	0.3		
GOATS	DIG PROT	% *	0.2	0.2		
HORSES	DIG PROT	% *	0.7	0.8		
RABBITS	DIG PROT	% *	1.3	1.7		
SHEEP	DIG PROT	% *	0.1	0.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	1.72	2.15		
HORSES	DE MCAL/KG	*	1.13	1.42		
SHEEP	DE MCAL/KG	*	1.72	2.15		
CATTLE	ME MCAL/KG	*	1.41	1.77		
HORSES	ME MCAL/KG	*	0.93	1.16		
SHEEP	ME MCAL/KG	*	1.41	1.76		
CATTLE	NE-M MCAL/KG	*	0.84	1.05		
CATTLE	NE-GAIN MCAL/KG	*	0.18	0.23		
CATTLE	NE-LACTATION MCAL/KG	*	0.77	0.97		
CATTLE	TDN	% *	39.1	48.8		
HORSES	TDN	% *	27.3	34.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		TDN % *	39.0	48.7		

STIPA SPP, HAY, S-C, EARLY VEGETATIVE, CUT 1, (1)

REF NO 1-15-405

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		38.	13	8
PROTEIN		%		6.0	42	12
CATTLE	DIG PROT	% *		2.1		
GOATS	DIG PROT	% *		2.2		
HORSES	DIG PROT	% *		2.6		
RABBITS	DIG PROT	% *		3.3		
SHEEP	DIG PROT	% *		2.0		
PHOSPHORUS		%		0.09	36	6

STIPA SPP, AERIAL PART, FRESH, (2)

REF NO 2-10-863

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		38.	13	8
ORGANIC MATTER		%		95.2		
ASH		%		4.8		2
ETHER EXTRACT		%		1.4		2
PROTEIN		%		5.9	34	14
CATTLE	DIG PROT	% *		2.9		
GOATS	DIG PROT	% *		2.1		
HORSES	DIG PROT	% *		2.6		
RABBITS	DIG PROT	% *		3.3		
SHEEP	DIG PROT	% *		2.5		
PHOSPHORUS		%		0.09	36	6

STIPA SPP, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-10-866

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.4		
ASH		%		9.6		1
CRUDE FIBER		%		34.8		1
ETHER EXTRACT		%		2.3		1
NITROGEN FREE EXTRACT		%		44.9		1
PROTEIN		%		8.4		1
CATTLE	DIG PROT	% *		5.0		
GOATS	DIG PROT	% *		4.4		
HORSES	DIG PROT	% *		4.7		
RABBITS	DIG PROT	% *		5.2		
SHEEP	DIG PROT	% *		4.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *		2.30		
SHEEP	DE	KCAL/KG *		2.51		
CATTLE	ME	KCAL/KG *		1.89		
SHEEP	ME	KCAL/KG *		2.06		
CATTLE	NE-M	KCAL/KG *		1.11		
CATTLE	NE-GAIN	KCAL/KG *		0.37		
CATTLE	NE-LACTATION	KCAL/KG *		1.08		
CATTLE	TDN	% *		52.2		
SHEEP	TDN	% *		57.0		
CALCIUM		%		0.39		1
COBALT		MG/KG		0.030		1
PHOSPHORUS		%		0.21		1

STIPA SPP, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-10-864

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9		
ASH		%		8.1		1
CRUDE FIBER		%		32.5		1
ETHER EXTRACT		%		1.9		1
NITROGEN FREE EXTRACT		%		51.0		1
PROTEIN		%		6.5		1
CATTLE	DIG PROT	% *		3.4		
GOATS	DIG PROT	% *		2.6		
HORSES	DIG PROT	% *		3.0		
RABBITS	DIG PROT	% *		3.7		
SHEEP	DIG PROT	% *		3.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *		2.39		
SHEEP	DE	KCAL/KG *		2.55		
CATTLE	ME	KCAL/KG *		1.96		
SHEEP	ME	KCAL/KG *		2.09		
CATTLE	NE-M	KCAL/KG *		1.15		
CATTLE	NE-GAIN	KCAL/KG *		0.44		
CATTLE	NE-LACTATION	KCAL/KG *		1.15		
CATTLE	TDN	% *		54.2		
SHEEP	TDN	% *		57.9		
CALCIUM		%		0.38		1
COBALT		MG/KG		0.030		1
PHOSPHORUS		%		0.10		1

STIPA SPP, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-03-205

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.5		
ASH		%		9.5		1
CRUDE FIBER		%		40.1		1
ETHER EXTRACT		%		1.9		1
NITROGEN FREE EXTRACT		%		44.8		1
PROTEIN		%		3.7		1
CATTLE	DIG PROT	% *		1.0		
GOATS	DIG PROT	% *				
HORSES	DIG PROT	% *		0.7		
RABBITS	DIG PROT	% *		1.5		
SHEEP	DIG PROT	% *		0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	KCAL/KG *		1.94		
SHEEP	DE	KCAL/KG *		2.34		
CATTLE	ME	KCAL/KG *		1.59		
SHEEP	ME	KCAL/KG *		1.92		
CATTLE	NE-M	KCAL/KG *		0.96		
CATTLE	NE-GAIN	KCAL/KG *		0.03		
CATTLE	NE-LACTATION	KCAL/KG *		0.80		
CATTLE	TDN	% *		43.9		
SHEEP	TDN	% *		53.1		
CALCIUM		%		0.30		1
COBALT		MG/KG		0.020		1
PHOSPHORUS		%		0.11		1

STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, NEEDLEGRASS-BALLISGRASS-CLOVER, WHITE-RYEGRASS, ITALIAN

STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, AERIAL PART, FRESH, (2)

REF NO 2-13-163

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	30.7	100.0	10	13
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.		3
PROTEIN		%	2.6	8.5	9	13
CATTLE	DIG PROT	% *	1.6	5.1		
GOATS	DIG PROT	% *	1.4	4.5		
HORSES	DIG PROT	% *	1.5	4.7		
RABBITS	DIG PROT	% *	1.6	5.2		
SHEEP	DIG PROT	% *	1.5	4.9		

STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-11-767

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	34.7	100.0	11	5
DM IN VITRO (TILLY)	DIG COEF	%	48.	48.		1
PROTEIN		%	3.1	9.0	9	5
CATTLE	DIG PROT	% *	1.9	5.5		
GOATS	DIG PROT	% *	1.7	4.9		
HORSES	DIG PROT	% *	1.8	5.1		
RABBITS	DIG PROT	% *	1.9	5.6		
SHEEP	DIG PROT	% *	1.9	5.3		

STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, AERIAL PART, FRESH, CUT 5, (2)

REF NO 2-11-769

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	61.5	100.0	18	8
DM IN VITRO (TILLY)	DIG COEF	%	43.	43.	6	6
PROTEIN		%	4.1	6.6	10	8
CATTLE	DIG PROT	% *	2.2	3.5		
GOATS	DIG PROT	% *	1.7	2.8		
HORSES	DIG PROT	% *	1.9	3.2		
RABBITS	DIG PROT	% *	2.3	3.8		
SHEEP	DIG PROT	% *	2.0	3.2		

STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-13-162

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	34.9	100.0		2
PROTEIN		%	2.7	7.7		2
CATTLE	DIG PROT	% *	1.5	4.4		
GOATS	DIG PROT	% *	1.3	3.7		
HORSES	DIG PROT	% *	1.4	4.1		
RABBITS	DIG PROT	% *	1.6	4.6		
SHEEP	DIG PROT	% *	1.5	4.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, AERIAL PART, FRESH FERTILIZED, CUT 1, (2)						
REF NO 2-11-773						
DRY MATTER		%	28.6	100.0	7	12
OM IN VITRO (TILLY)	DIG COEF	%	60.	60.	9	8
PROTEIN		%	3.3	11.7	7	12
CATTLE	DIG PROT	% *	2.2	7.8		
GOATS	DIG PROT	% *	2.1	7.4		
HORSES	DIG PROT	% *	2.1	7.4		
RABBITS	DIG PROT	% *	2.2	7.7		
SHEEP	DIG PROT	% *	2.2	7.8		
STIPA SPP, PASPALUM DILATATUM, TRIFOLIUM REPENS, LOLIUM MULTIFLORUM, AERIAL PART, FRESH FERTILIZED, CUT 5, (2)						
REF NO 2-13-116						
DRY MATTER		%	44.1	100.0	25	11
OM IN VITRO (TILLY)	DIG COEF	%	44.	44.	11	10
PROTEIN		%	2.9	6.5	8	11
CATTLE	DIG PROT	% *	1.5	3.4		
GOATS	DIG PROT	% *	1.2	2.7		
HORSES	DIG PROT	% *	1.4	3.1		
RABBITS	DIG PROT	% *	1.6	3.7		
SHEEP	DIG PROT	% *	1.4	3.1		
STIPA TENUIS, NEEDLEGRASS, TENUIS						
STIPA TENUIS TENUIS, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)						
REF NO 2-17-645						
DRY MATTER		%	33.5	100.0	23	4
OM IN VITRO (TILLY)	DIG COEF	%	66.	66.	4	4
ORGANIC MATTER		%	30.1	89.9		
ASH		%	3.4	10.1	10	4
PROTEIN		%	7.0	21.0	5	4
CATTLE	DIG PROT	% *	5.3	15.7		
GOATS	DIG PROT	% *	5.4	16.2		
HORSES	DIG PROT	% *	5.1	15.4		
RABBITS	DIG PROT	% *	5.0	14.9		
SHEEP	DIG PROT	% *	5.5	16.6		
STIPA TENUIS TENUIS, AERIAL PART, FRESH, LATE VEGETATIVE, (2)						
REF NO 2-17-648						
DRY MATTER		%	35.7	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	67.	67.		1
ORGANIC MATTER		%	30.3	84.9		
ASH		%	5.4	15.1		1
PROTEIN		%	6.2	17.4		1
CATTLE	DIG PROT	% *	4.5	12.7		
GOATS	DIG PROT	% *	4.6	12.8		
HORSES	DIG PROT	% *	4.4	12.3		
RABBITS	DIG PROT	% *	4.3	12.1		
SHEEP	DIG PROT	% *	4.7	13.2		
STIPA TENUIS TENUIS, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-17-646						
DRY MATTER		%	36.3	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%	69.	69.		2
ORGANIC MATTER		%	32.6	90.0		
ASH		%	3.6	10.0		2
PROTEIN		%	7.4	20.5		2
CATTLE	DIG PROT	% *	5.5	15.3		
GOATS	DIG PROT	% *	5.7	15.6		
HORSES	DIG PROT	% *	5.4	14.9		
RABBITS	DIG PROT	% *	5.2	14.5		
SHEEP	DIG PROT	% *	5.8	16.0		
STIPA TENUIS TENUIS, AERIAL PART, FRESH, MIDBLOOM, (2)						
REF NO 2-17-649						
DRY MATTER		%	38.6	100.0		1
OM IN VITRO (TILLY)	DIG COEF	%	55.	55.		1
ORGANIC MATTER		%	35.6	92.1		
ASH		%	3.0	7.9		1
PROTEIN		%	4.0	10.3		1
CATTLE	DIG PROT	% *	2.6	6.6		
GOATS	DIG PROT	% *	2.4	6.2		
HORSES	DIG PROT	% *	2.4	6.3		
RABBITS	DIG PROT	% *	2.6	6.6		
SHEEP	DIG PROT	% *	2.5	6.6		
STIPA TENUIS TENUIS, AERIAL PART, FRESH, FULL BLOOM, (2)						
REF NO 2-17-647						
DRY MATTER		%	29.3	100.0		2
OM IN VITRO (TILLY)	DIG COEF	%	67.	67.		2
ORGANIC MATTER		%	27.0	92.2		
ASH		%	2.3	7.8		2
PROTEIN		%	4.4	15.1		2
CATTLE	DIG PROT	% *	3.1	10.7		
GOATS	DIG PROT	% *	3.1	10.6		
HORSES	DIG PROT	% *	3.0	10.3		
RABBITS	DIG PROT	% *	3.0	10.3		
SHEEP	DIG PROT	% *	3.2	11.1		
STIPA TENUIS TENUIS, AERIAL PART, FRESH, MATURE, (2)						
REF NO 2-17-650						
DRY MATTER		%	57.4	100.0	20	4
OM IN VITRO (TILLY)	DIG COEF	%	45.	45.	6	4
ORGANIC MATTER		%	53.8	93.7		
ASH		%	3.6	6.3		3
PROTEIN		%	4.3	7.5	19	4
CATTLE	DIG PROT	% *	2.4	4.2		
GOATS	DIG PROT	% *	2.0	3.5		
HORSES	DIG PROT	% *	2.2	3.9		
RABBITS	DIG PROT	% *	2.5	4.4		
SHEEP	DIG PROT	% *	2.3	4.0		
STIZOLOBIUM ATERRIMUM, VELVETBEAN, BENGAL						
STIZOLOBIUM ATERRIMUM BENGAL, SEEDS W PODS, (4)						
REF NO 4-13-231						
DRY MATTER		%	92.2	100.0		1
ORGANIC MATTER		%	88.6	96.1		
ASH		%	3.6	3.9		1
CRUDE FIBER		%	19.3	20.9		1
ETHER EXTRACT		%	3.2	3.5		1
NITROGEN FREE EXTRACT		%	54.1	58.7		1
PROTEIN		%	12.0	13.0		1
CATTLE	DIG PROT	% *	7.3	8.0		
GOATS	DIG PROT	% *	8.4	9.1		
HORSES	DIG PROT	% *	8.4	9.1		
SHEEP	DIG PROT	% *	8.4	9.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.61	2.83		
SHEEP	DE MCAL/KG	*	2.86	3.10		
SWINE	DE KCAL/KG	*	2293.	2487.		
CATTLE	ME MCAL/KG	*	2.14	2.32		
SHEEP	ME MCAL/KG	*	2.34	2.54		
SWINE	ME KCAL/KG	*	2141.	2322.		
CATTLE	NE-M MCAL/KG	*	1.28	1.39		
CATTLE	NE-GAIN MCAL/KG	*	0.74	0.80		
CATTLE	NE-LACTATION MCAL/KG	*	1.38	1.50		
CATTLE	TDN	% *	59.3	64.3		
SHEEP	TDN	% *	64.8	70.3		
SWINE	TDN	% *	52.0	56.4		
CALCIUM		%	0.41	0.44		1
PHOSPHORUS		%	0.18	0.19		1
STIZOLOBIUM ATERRIMUM BENGAL, SEEDS, (5)						
REF NO 5-13-232						
DRY MATTER		%	92.9	100.0		1
ORGANIC MATTER		%	90.3	97.2		
ASH		%	2.6	2.8		1
CRUDE FIBER		%	7.2	7.7		1
ETHER EXTRACT		%	5.1	5.5		1
NITROGEN FREE EXTRACT		%	57.7	62.1		1
PROTEIN		%	20.3	21.9		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	3.66	3.94		
SHEEP	DE MCAL/KG	*	3.73	4.01		
CATTLE	ME MCAL/KG	*	3.00	3.23		
SHEEP	ME MCAL/KG	*	3.06	3.29		
CATTLE	NE-M MCAL/KG	*	2.05	2.20		
CATTLE	NE-GAIN MCAL/KG	*	1.34	1.44		
CATTLE	NE-LACTATION MCAL/KG	*	2.19	2.36		
CATTLE	TDN	% *	83.0	89.3		
SHEEP	TDN	% *	84.6	91.1		
CALCIUM		%	0.40	0.43		1
PHOSPHORUS		%	0.25	0.27		1
STIZOLOBIUM DEERINGIANUM, VELVETBEAN, DEERING						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
STIZOLOBIUM DEERINGIANUM DEERING, HAY, S-C, (1)					
REF NO 1-11-733					
DRY MATTER		%	92.5	100.0	1
ORGANIC MATTER		%	87.0	94.1	
ASH		%	5.5	5.9	1
CRUDE FIBER		%	17.1	18.5	1
ETHER EXTRACT		%	5.3	5.7	1
NITROGEN FREE EXTRACT		%	37.0	40.0	1
PROTEIN		%	27.6	29.8	1
CATTLE	DIG PROT	% *	21.1	22.8	
GOATS	DIG PROT	% *	22.6	24.4	
HORSES	DIG PROT	% *	21.1	22.9	
RABBITS	DIG PROT	% *	20.1	21.7	
SHEEP	DIG PROT	% *	21.6	23.3	
CALCIUM		%	0.01	0.01	1
IRON		%	0.015	0.016	1
PHOSPHORUS		%	0.00	0.00	1
STIZOLOBIUM DEERINGIANUM DEERING, AERIAL PART, FRESH, (2)					
REF NO 2-11-734					
DRY MATTER		%	22.8	100.0	1
ORGANIC MATTER		%	21.4	94.1	1
ASH		%	1.4	5.9	1
CRUDE FIBER		%	4.2	18.5	1
ETHER EXTRACT		%	1.3	5.7	1
NITROGEN FREE EXTRACT		%	9.1	40.0	1
PROTEIN		%	6.8	29.8	1
CATTLE	DIG PROT	% *	5.3	23.3	
GOATS	DIG PROT	% *	5.6	24.4	
HORSES	DIG PROT	% *	5.2	22.9	
RABBITS	DIG PROT	% *	4.9	21.7	
SHEEP	DIG PROT	% *	5.7	24.8	
CALCIUM		%	0.19	0.82	1
IRON		%	0.004	0.016	1
PHOSPHORUS		%	0.07	0.31	1
STIZOLOBIUM DEERINGIANUM DEERING, SEEDS, (5)					
REF NO 5-11-732					
DRY MATTER		%	86.6	100.0	2
ORGANIC MATTER		%	83.0	95.9	2
ASH		%	3.5	4.1	2
CRUDE FIBER		%	4.6	5.3	2
ETHER EXTRACT		%	3.8	4.3	2
NITROGEN FREE EXTRACT		%	48.7	56.3	2
PROTEIN		%	25.9	29.9	2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	3.54	4.09	
SHEEP	DE MCAL/KG	*	3.43	3.97	
CATTLE	ME MCAL/KG	*	2.90	3.35	
SHEEP	ME MCAL/KG	*	2.82	3.25	
CATTLE	NE-M MCAL/KG	*	2.03	2.35	
CATTLE	NE-GAIN MCAL/KG	*	1.31	1.51	
CATTLE	NE-LACTATION MCAL/KG	*	2.15	2.48	
CATTLE	TDN %	*	80.3	92.8	
SHEEP	TDN %	*	77.9	90.0	
CALCIUM		%	0.10	0.12	1
IRON		%	0.008	0.009	1
PHOSPHORUS		%	0.32	0.37	1
STOCK MELONS =SEE CUCURBITA SPP PIE, FRUIT W SEEDS, FRESH, (4)					
STRIP CANE =SEE SACCHARUM OFFICINARUM, LEAVES W TOP OF AERIAL PART, FRESH, (2)					
STRYPHNODENDRON BARBATIMAN, ALUMBARKTREE, BARBATIMAO					
STRYPHNODENDRON BARBATIMAN BARBATIMAO, FRUIT, DEHY GRND, (4)					
REF NO 4-11-730					
DRY MATTER		%	90.8	100.0	1
ORGANIC MATTER		%	88.3	97.2	1
ASH		%	2.5	2.8	1
CRUDE FIBER		%	11.4	12.6	1
ETHER EXTRACT		%	2.8	3.1	1
NITROGEN FREE EXTRACT		%	63.7	70.2	
PROTEIN		%	10.3	11.3	1
CATTLE	DIG PROT	% *	5.8	6.4	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
GOATS	DIG PROT	% *	6.9	7.6	
HORSES	DIG PROT	% *	6.9	7.6	
SHEEP	DIG PROT	% *	6.9	7.6	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	2.88	3.18	
SHEEP	DE MCAL/KG	*	3.14	3.46	
SWINE	DE KCAL/KG	*	3074.	3385.	
CATTLE	ME MCAL/KG	*	2.37	2.61	
SHEEP	ME MCAL/KG	*	2.58	2.84	
SWINE	ME KCAL/KG	*	2881.	3173.	
CATTLE	NE-M MCAL/KG	*	1.46	1.60	
CATTLE	NE-GAIN MCAL/KG	*	0.94	1.03	
CATTLE	NE-LACTATION MCAL/KG	*	1.60	1.77	
CATTLE	TDN %	*	65.4	72.1	
SHEEP	TDN %	*	71.3	78.5	
SWINE	TDN %	*	69.7	76.8	
STYLOSANTHES GRACILIS, PENCILFLOWER, GRACILIS					
STYLOSANTHES GRACILIS GRACILIS, PODS, DEHY, (1)					
REF NO 1-10-786					
DRY MATTER		%	91.6	100.0	1
ORGANIC MATTER		%	67.1	73.2	
ASH		%	24.5	26.8	1
CRUDE FIBER		%	16.6	18.1	1
ETHER EXTRACT		%	16.3	17.8	1
NITROGEN FREE EXTRACT		%	26.2	28.6	1
PROTEIN		%	8.0	8.7	1
CATTLE	DIG PROT	% *	4.1	4.5	
GOATS	DIG PROT	% *	4.3	4.7	
HORSES	DIG PROT	% *	4.5	4.9	
RABBITS	DIG PROT	% *	4.9	5.4	
SHEEP	DIG PROT	% *	4.0	4.4	
STYLOSANTHES GRACILIS GRACILIS, AERIAL PART, FRESH, (2)					
REF NO 2-10-790					
DRY MATTER		%	23.8	100.0	1
ORGANIC MATTER		%	22.3	93.7	
ASH		%	1.5	6.3	1
CRUDE FIBER		%	7.5	31.5	1
ETHER EXTRACT		%	0.6	2.5	1
NITROGEN FREE EXTRACT		%	10.5	44.1	1
PROTEIN		%	3.7	15.5	1
CATTLE	DIG PROT	% *	2.6	11.1	
GOATS	DIG PROT	% *	2.6	11.1	
HORSES	DIG PROT	% *	2.6	10.7	
RABBITS	DIG PROT	% *	2.5	10.7	
SHEEP	DIG PROT	% *	2.7	11.5	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.65	2.73	
SHEEP	DE MCAL/KG	*	0.66	2.75	
CATTLE	ME MCAL/KG	*	0.53	2.24	
SHEEP	ME MCAL/KG	*	0.54	2.26	
CATTLE	NE-M MCAL/KG	*	0.32	1.33	
CATTLE	NE-GAIN MCAL/KG	*	0.17	0.73	
CATTLE	NE-LACTATION MCAL/KG	*	0.34	1.42	
CATTLE	TDN %	*	14.8	62.0	
SHEEP	TDN %	*	14.9	62.5	
CALCIUM		%	0.16	0.67	1
COPPER	MG/KG		4.3	18.1	1
IRON		%	0.002	0.008	1
MAGNESIUM		%	0.11	0.46	1
MANGANESE	MG/KG		97.7	410.5	1
PHOSPHORUS		%	0.05	0.21	1
STYLOSANTHES GRACILIS GRACILIS, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)					
REF NO 2-10-789					
DRY MATTER		%	24.9	100.0	1
ORGANIC MATTER		%	22.3	89.7	
ASH		%	2.6	10.3	1
CRUDE FIBER		%	7.8	31.4	1
ETHER EXTRACT		%	0.7	2.7	1
NITROGEN FREE EXTRACT		%	11.0	44.3	1
PROTEIN		%	2.8	11.3	1
CATTLE	DIG PROT	% *	1.9	7.5	
GOATS	DIG PROT	% *	1.8	7.1	
HORSES	DIG PROT	% *	1.8	7.1	
RABBITS	DIG PROT	% *	1.8	7.4	
SHEEP	DIG PROT	% *	1.9	7.5	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.62	2.50	
SHEEP	DE MCAL/KG	*	0.65	2.61	
CATTLE	ME MCAL/KG	*	0.51	2.05	
SHEEP	ME MCAL/KG	*	0.53	2.14	
CATTLE	NE-M MCAL/KG	*	0.30	1.21	
CATTLE	NE-GAIN MCAL/KG	*	0.13	0.54	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	0.31	1.24		
CATTLE	TDN % *	14.1	56.7		
SHEEP	TDN % *	14.7	59.2		

STYLOSANTHES GRACILIS GRACILIS, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-11-738

DRY MATTER	%		24.6	100.0	2
ORGANIC MATTER	%		23.0	93.5	
ASH	%		1.6	6.5	2
ETHER EXTRACT	%		0.5	1.9	2
NITROGEN FREE EXTRACT	%		12.8	52.1	2
CELLULOSE (CRAMPTON)	%		6.8	27.8	2
CALCIUM	%		0.65	2.65	2
COBALT	MG/KG		0.015	0.060	2
COPPER	MG/KG		5.9	24.1	2
IRON	%		0.004	0.018	2
MAGNESIUM	%		0.09	0.38	2
MANGANESE	MG/KG		6.8	27.6	2
MOLYBDENUM	MG/KG		0.09	0.37	2
ZINC	MG/KG		11.7	47.7	2

STYLOSANTHES GRACILIS GRACILIS, AERIAL PART, FRESH, CUT 1, (2)

REF NO 2-10-788

DRY MATTER	%		22.1	100.0	3
ORGANIC MATTER	%		20.3	92.2	
ASH	%		1.7	7.8	3
CRUDE FIBER	%		7.3	33.1	3
ETHER EXTRACT	%		0.5	2.4	3
NITROGEN FREE EXTRACT	%		9.4	42.5	3
PROTEIN	%		3.1	14.2	3
CATTLE	DIG PROT	% *	2.2	10.0	
GOATS	DIG PROT	% *	2.2	9.8	
HORSES	DIG PROT	% *	2.1	9.6	
RABBITS	DIG PROT	% *	2.1	9.6	
SHEEP	DIG PROT	% *	2.3	10.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.57	2.58	
SHEEP	DE	MCAL/KG *	0.59	2.67	
CATTLE	ME	MCAL/KG *	0.47	2.12	
SHEEP	ME	MCAL/KG *	0.48	2.19	
CATTLE	NE-M	MCAL/KG *	0.28	1.25	
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.61	
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.30	
CATTLE	TDN	% *	12.9	58.6	
SHEEP	TDN	% *	13.4	60.6	
CALCIUM	%		0.34	1.56	3
COPPER	MG/KG		5.6	25.2	3
IRON	%		0.004	0.019	3
MAGNESIUM	%		0.06	0.28	3
MANGANESE	MG/KG		11.8	53.4	3
PHOSPHORUS	%		0.05	0.25	3
POTASSIUM	%		0.32	1.43	3
SODIUM	%		0.02	0.09	3

STYLOSANTHES GRACILIS GRACILIS, AERIAL PART, FRESH, CUT 2, (2)

REF NO 2-10-787

DRY MATTER	%		22.7	100.0	2
ORGANIC MATTER	%		20.6	90.9	
ASH	%		2.1	9.2	2
CRUDE FIBER	%		7.8	34.4	2
ETHER EXTRACT	%		0.5	2.4	2
NITROGEN FREE EXTRACT	%		9.4	41.4	2
PROTEIN	%		2.9	12.8	2
CATTLE	DIG PROT	% *	2.0	8.7	
GOATS	DIG PROT	% *	1.9	8.5	
HORSES	DIG PROT	% *	1.9	8.4	
RABBITS	DIG PROT	% *	1.9	8.5	
SHEEP	DIG PROT	% *	2.0	8.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.56	2.46	
SHEEP	DE	MCAL/KG *	0.59	2.60	
CATTLE	ME	MCAL/KG *	0.46	2.02	
SHEEP	ME	MCAL/KG *	0.48	2.13	
CATTLE	NE-M	MCAL/KG *	0.27	1.19	
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.51	
CATTLE	NE-LACTATION	MCAL/KG *	0.27	1.21	
CATTLE	TDN	% *	12.7	55.9	
SHEEP	TDN	% *	13.4	59.0	
CALCIUM	%		0.40	1.76	1
COPPER	MG/KG		4.0	17.6	1
IRON	%		0.005	0.022	1
MAGNESIUM	%		0.07	0.30	1
MANGANESE	MG/KG		10.3	45.3	1
PHOSPHORUS	%		0.09	0.40	1
POTASSIUM	%		0.43	1.89	1
SODIUM	%		0.02	0.08	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO

STYLOSANTHES GUYANENSIS, PENCILFLOWER, GUYANENSIS

STYLOSANTHES GUYANENSIS GUYANENSIS, LEAVES, FRESH, (2)

REF NO 2-17-665

DRY MATTER	%		25.9	100.0	2
PROTEIN	%		5.9	22.8	2
CATTLE	DIG PROT	% *	4.5	17.2	
GOATS	DIG PROT	% *	4.6	17.8	
HORSES	DIG PROT	% *	4.4	16.8	
RABBITS	DIG PROT	% *	4.2	16.2	
SHEEP	DIG PROT	% *	4.7	18.2	
CALCIUM	%		0.26	1.00	2
MAGNESIUM	%		0.03	0.13	1
MANGANESE	MG/KG		89.7	347.0	2
PHOSPHORUS	%		0.02	0.10	2
POTASSIUM	%		0.33	1.29	2
SODIUM	%		0.12	0.48	2
ZINC	MG/KG		22.7	88.0	2

STYLOSANTHES HUMILIS, PENCILFLOWER, HUMILIS

STYLOSANTHES HUMILIS HUMILIS, HAY, S-C, NATURE, (1)

REF NO 1-13-230

DRY MATTER	%		84.7	100.0	1
ORGANIC MATTER	%		79.9	94.3	
ASH	%		4.8	5.7	1
CRUDE FIBER	%		28.0	33.1	1
ETHER EXTRACT	%		2.1	2.5	1
NITROGEN FREE EXTRACT	%		39.3	46.4	1
PROTEIN	%		10.4	12.3	1
CATTLE	DIG PROT	% *	6.4	7.6	
GOATS	DIG PROT	% *	6.8	8.0	
HORSES	DIG PROT	% *	6.8	8.0	
RABBITS	DIG PROT	% *	6.9	8.2	
SHEEP	DIG PROT	% *	6.4	7.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.15	2.54	
HORSES	DE	MCAL/KG *	1.60	1.89	
SHEEP	DE	MCAL/KG *	2.09	2.47	
CATTLE	ME	MCAL/KG *	1.76	2.08	
HORSES	ME	MCAL/KG *	1.32	1.55	
SHEEP	ME	MCAL/KG *	1.72	2.03	
CATTLE	NE-M	MCAL/KG *	1.04	1.23	
CATTLE	NE-GAIN	MCAL/KG *	0.49	0.57	
CATTLE	NE-LACTATION	MCAL/KG *	1.07	1.27	
CATTLE	TDN	% *	48.8	57.6	
HORSES	TDN	% *	40.0	47.2	
SHEEP	TDN	% *	47.5	56.0	
CALCIUM	%		1.20	1.42	1
PHOSPHORUS	%		0.17	0.20	1

STYLOSANTHES HUMILIS HUMILIS, AERIAL PART, FRESH, (2)

REF NO 2-10-781

DRY MATTER	%		22.8	100.0		2
ORGANIC MATTER	%		20.5	90.2	63	2
ASH	%		2.6	11.5	63	7
CRUDE FIBER	%		7.0	30.7	30	7
ETHER EXTRACT	%		0.8	3.5		3
NITROGEN FREE EXTRACT	%		9.0	39.6		3
PROTEIN	%		3.4	14.8	37	7
CATTLE	DIG PROT	% *	2.4	10.4		
GOATS	DIG PROT	% *	2.3	10.3		
HORSES	DIG PROT	% *	2.3	10.1		
RABBITS	DIG PROT	% *	2.3	10.1		
SHEEP	DIG PROT	% *	2.4	10.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.52		
SHEEP	DE	MCAL/KG *	0.61	2.68		
CATTLE	ME	MCAL/KG *	0.47	2.07		
SHEEP	ME	MCAL/KG *	0.50	2.20		
CATTLE	NE-M	MCAL/KG *	0.28	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.25		
CATTLE	TDN	% *	13.0	57.2		
SHEEP	TDN	% *	13.8	60.8		
CALCIUM	%		0.37	1.63	5	4
IRON	%		0.057	0.252		2
PHOSPHORUS	%		0.10	0.43	46	4

SUNCURED ALFALFA LEAF MEAL (AAFCO)
-SEE MEDICAGO SATIVA, LEAVES, S-C
GRND, MN 20% PROTEIN MX 18% FIBER, (1)

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
SUNCURED ALFALFA MEAL (AAFCO) =SEE MEDICAGO SATIVA, HAY, S=C GRND, (1)				
SUNCURED CHOPPED ALFALFA (AAFCO) =SEE MEDICAGO SATIVA, HAY, S=C CHOPPED, (1)				
SUNFLOWER MEAL (AAFCO) =SEE HELIANTHUS SPP, SEEDS WO HULLS, MECH EXTD GRND, (5)				
SUNFLOWER MEAL (AAFCO) =SEE HELIANTHUS SPP, SEEDS WO HULLS, SOLV EXTD GRND, (5)				
SUNFLOWER OIL MEAL, WITHOUT HULLS, EXPELLER EXTRACTED =SEE HELIANTHUS SPP, SEEDS WO HULLS, MECH EXTD GRND, (5)				
SUNFLOWER OIL MEAL, WITHOUT HULLS, EXTRACTION UNSPECIFIED =SEE HELIANTHUS SPP, SEEDS WO HULLS, EXTN UNSPECIFIED GRND, (5)				
SUNFLOWER OIL MEAL, WITHOUT HULLS, SOLVENT EXTRACTED =SEE HELIANTHUS SPP, SEEDS WO HULLS, SOLV EXTD GRND, (5)				
SUNFLOWER SEED MEAL, EXPELLER =SEE HELIANTHUS SPP, SEEDS, MECH EXTD GRND, (5)				
SUNFLOWER SEED MEAL (CFA) =SEE HELIANTHUS SPP, SEEDS, EXTN UNSPECIFIED GRND, (5)				
SUNFLOWER SEED OIL MEAL, EXTRACTION UNSPECIFIED =SEE HELIANTHUS SPP, SEEDS, EXTN UNSPECIFIED GRND, (5)				

SUS DOMESTICUS, SWINE

SUS DOMESTICUS, BLOOD, (5)

REF NO 5-13-486

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	45.1	100.0	2
ORGANIC MATTER	%	44.4	98.4	
ASH	%	0.7	1.6	2
ETHER EXTRACT	%	20.2	44.8	2
NITROGEN FREE EXTRACT	%	0.3	0.7	2
PROTEIN	%	23.7	52.5	2

SUS SCROFA, SWINE

SUS SCROFA, CRACKLINGS, DRY RENDERED DEHY, (5)
PORK CRACKLINGS (CFA)
CRACKLINGS

REF NO 5-04-791

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	96.1	100.0	2
ORGANIC MATTER	%	93.0	96.9	
ASH	%	3.0	3.1	2
CRUDE FIBER	%	1.4	1.4	2
ETHER EXTRACT	%	37.0	38.6	2
NITROGEN FREE EXTRACT	%	1.2	1.3	1
PROTEIN	%	53.4	55.6	2
ENERGY GE KCAL/KG				
SHEEP DE MCAL/KG	*	4.35	4.53	
SHEEP ME MCAL/KG	*	3.57	3.72	
SHEEP TDN	% *	98.7	102.8	

SUS SCROFA, CRACKLINGS, GRND, (5)

REF NO 5-04-789

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	94.6	100.0	1
ORGANIC MATTER	%	91.4	96.6	
ASH	%	3.2	3.4	1
CRUDE FIBER	%	0.7	0.7	1
ETHER EXTRACT	%	29.6	31.3	1
NITROGEN FREE EXTRACT	%	-0.0	-0.0	
PROTEIN	%	61.1	64.6	1

SWEETPOTATO MEAL
=SEE IPOMOEA BATATAS, ROOTS, DEHY GRND, (4)

SYMPHYTUM PERIGRIUM, COMFREY, PERIGRIUM

SYMPHYTUM PERIGRIUM PERIGRIUM, HAY, S=C, (1)

REF NO 1-10-784

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	95.6	100.0	1
ORGANIC MATTER	%	71.4	74.7	
ASH	%	24.2	25.3	1
CRUDE FIBER	%	9.9	10.4	1
ETHER EXTRACT	%	5.3	5.5	1
NITROGEN FREE EXTRACT	%	32.1	33.6	1
PROTEIN	%	24.1	25.2	1
CATTLE DIG PROT	% *	17.9	18.8	
GOATS DIG PROT	% *	19.2	20.1	
HORSES DIG PROT	% *	18.1	18.9	
RABBITS DIG PROT	% *	17.3	18.1	
SHEEP DIG PROT	% *	18.3	19.2	
ENERGY GE KCAL/KG				
SHEEP DE MCAL/KG	*	2.72	2.85	
SHEEP ME MCAL/KG	*	2.23	2.34	
SHEEP TDN	% *	61.8	64.6	
CALCIUM	%	1.40	1.46	1
PHOSPHORUS	%	0.33	0.34	1

SYMPHYTUM PERIGRIUM PERIGRIUM, LEAVES, S=C, (1)

REF NO 1-10-783

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	95.5	100.0	1
ORGANIC MATTER	%	64.4	67.4	
ASH	%	31.1	32.6	1
CRUDE FIBER	%	7.6	8.0	1
ETHER EXTRACT	%	5.5	5.8	1
NITROGEN FREE EXTRACT	%	27.4	28.7	1
PROTEIN	%	23.8	24.9	1
CATTLE DIG PROT	% *	17.7	18.5	
GOATS DIG PROT	% *	18.9	19.8	
HORSES DIG PROT	% *	17.8	18.7	
RABBITS DIG PROT	% *	17.1	17.9	
SHEEP DIG PROT	% *	18.1	18.9	
CALCIUM	%	1.47	1.54	1
PHOSPHORUS	%	0.29	0.30	1

SYMPHYTUM PERIGRIUM PERIGRIUM, STEMS, S=C, (1)

REF NO 1-10-782

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	94.6	100.0	1
ORGANIC MATTER	%	71.2	75.3	
ASH	%	23.4	24.7	1
CRUDE FIBER	%	15.2	16.1	1
ETHER EXTRACT	%	2.3	2.4	1
NITROGEN FREE EXTRACT	%	41.6	44.0	1
PROTEIN	%	12.1	12.8	1
CATTLE DIG PROT	% *	7.6	8.0	
GOATS DIG PROT	% *	8.0	8.5	
HORSES DIG PROT	% *	7.9	8.4	
RABBITS DIG PROT	% *	8.1	8.6	
SHEEP DIG PROT	% *	7.6	8.1	
ENERGY GE KCAL/KG				
CATTLE DE MCAL/KG	*	2.47	2.61	
HORSES DE MCAL/KG	*	1.91	2.02	
SHEEP DE MCAL/KG	*	2.24	2.37	
CATTLE ME MCAL/KG	*	2.03	2.14	
HORSES ME MCAL/KG	*	1.57	1.65	
SHEEP ME MCAL/KG	*	1.84	1.95	
CATTLE NE-M MCAL/KG	*	1.20	1.27	
CATTLE NE-GAIN MCAL/KG	*	0.60	0.63	
CATTLE NE-LACTATION MCAL/KG	*	1.25	1.32	
CATTLE TDN	% *	56.0	59.2	
HORSES TDN	% *	47.8	50.6	
SHEEP TDN	% *	50.9	53.8	
CALCIUM	%	1.00	1.06	1
PHOSPHORUS	%	0.28	0.30	1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TAMARINDUS INDICA, TAMARIND						
TAMARINDUS INDICA, MEATS, AUTOCLAVED, (4)						
REF NO 4-11-962						
DRY MATTER		%	70.4	100.0		1
ORGANIC MATTER		%	69.0	98.0		1
ASH		%	1.4	2.0		1
CRUDE FIBER		%	1.5	2.1		1
ETHER EXTRACT		%	4.5	6.4		1
NITROGEN FREE EXTRACT		%	49.6	70.5		1
PROTEIN		%	13.4	19.0		1
CATTLE	DIG PROT	% *	9.5	13.5		
GOATS	DIG PROT	% *	10.3	14.7		
HORSES	DIG PROT	% *	10.3	14.7		
SHEEP	DIG PROT	% *	10.3	14.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.96	4.20		
SHEEP	DE	MCAL/KG *	2.74	3.90		
SWINE	DE	KCAL/KG *	2769.	3933.		
CATTLE	ME	MCAL/KG *	2.43	3.45		
SHEEP	ME	MCAL/KG *	2.25	3.20		
SWINE	ME	KCAL/KG *	2551.	3624.		
CATTLE	NE-M	MCAL/KG *	1.73	2.46		
CATTLE	NE-GAIN	MCAL/KG *	1.10	1.56		
CATTLE	NE-LACTATION	MCAL/KG *	1.81	2.57		
CATTLE	TDN	% *	67.1	95.3		
SHEEP	TDN	% *	62.2	88.4		
SWINE	TDN	% *	62.8	89.2		
TAPIOCA FLOUR -SEE MANIHOT ESCULENTA COMMON, ROOT FLOUR, FINE GRND, (4)						
TARAXACUM OFFICINALE, DANDELION, COMMON						
TARAXACUM OFFICINALE COMMON, AERIAL PART, FRESH, (2)						
REF NO 2-13-449						
DRY MATTER		%	16.6	100.0		2
ORGANIC MATTER		%	15.2	91.6		
ASH		%	1.4	8.4		2
CRUDE FIBER		%	1.6	9.4		2
ETHER EXTRACT		%	0.4	2.3		2
NITROGEN FREE EXTRACT		%	11.2	67.8		1
PROTEIN		%	2.0	12.1		2
CATTLE	DIG PROT	% *	1.4	8.2		
GOATS	DIG PROT	% *	1.3	7.9		
HORSES	DIG PROT	% *	1.3	7.8		
RABBITS	DIG PROT	% *	1.3	8.0		
SHEEP	DIG PROT	% *	1.4	8.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.71	4.32		
SHEEP	DE	MCAL/KG *	0.59	3.54		
CATTLE	ME	MCAL/KG *	0.59	3.54		
SHEEP	ME	MCAL/KG *	0.48	2.90		
CATTLE	NE-M	MCAL/KG *	0.43	2.58		
CATTLE	NE-GAIN	MCAL/KG *	0.27	1.60		
CATTLE	NE-LACTATION	MCAL/KG *	0.44	2.66		
CATTLE	TDN	% *	16.2	97.9		
SHEEP	TDN	% *	13.3	80.2		
CALCIUM		%	0.12	0.73		1
IRON		%	0.004	0.024		1
PHOSPHORUS		%	0.07	0.41		1
ASCORBIC ACID		MG/KG	551.7	3333.3		1
NIACIN		MG/KG	7.7	46.3		1
RIBOFLAVIN		MG/KG	4.8	29.3		1
THIAMINE		MG/KG	1.1	6.5		1
VITAMIN A EQUIV		IU/G	109.5	661.4		
TEPHROSIA SESSILIFLORA						
TEPHROSIA SESSILIFLORA SESSILIFLORA, LEAVES, FRESH, (2)						
REF NO 2-17-676						
DRY MATTER		%	33.2	100.0		1
PROTEIN		%	6.9	20.9		1
CATTLE	DIG PROT	% *	5.2	15.7		
GOATS	DIG PROT	% *	5.3	16.1		
HORSES	DIG PROT	% *	5.1	15.3		
RABBITS	DIG PROT	% *	4.9	14.8		
SHEEP	DIG PROT	% *	5.5	16.5		
CALCIUM		%	0.19	0.56		1
MAGNESIUM		%	0.18	0.54		1
MANGANESE		MG/KG	287.8	867.0		1
PHOSPHORUS		%	0.03	0.10		1
POTASSIUM		%	0.33	1.00		1
SODIUM		%	0.03	0.08		1
ZINC		MG/KG	14.6	44.0		1
TEHAMNUS UNCINATUS						
TEHAMNUS UNCINATUS UNCINATUS, AERIAL PART, FRESH, (2)						
REF NO 2-10-778						
DRY MATTER		%	20.9	100.0		1
ORGANIC MATTER		%	19.0	90.9		
ASH		%	1.9	9.1		1
CRUDE FIBER		%	6.7	32.1		1
ETHER EXTRACT		%	0.4	1.9		1
NITROGEN FREE EXTRACT		%	8.0	38.3		1
PROTEIN		%	3.9	18.7		1
CATTLE	DIG PROT	% *	2.9	13.8		
GOATS	DIG PROT	% *	2.9	14.0		
HORSES	DIG PROT	% *	2.8	13.4		
RABBITS	DIG PROT	% *	2.7	13.1		
SHEEP	DIG PROT	% *	3.0	14.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.74		
SHEEP	DE	MCAL/KG *	0.56	2.69		
CATTLE	ME	MCAL/KG *	0.47	2.24		
SHEEP	ME	MCAL/KG *	0.46	2.20		
CATTLE	NE-M	MCAL/KG *	0.28	1.33		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.73		
CATTLE	NE-LACTATION	MCAL/KG *	0.30	1.42		
CATTLE	TDN	% *	13.0	62.1		
SHEEP	TDN	% *	12.7	60.9		
TEHAMNUS UNCINATUS UNCINATUS, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-09-930						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.6		
ASH		%		10.4		1
CRUDE FIBER		%		27.4		1
ETHER EXTRACT		%		2.1		1
NITROGEN FREE EXTRACT		%		39.2		1
PROTEIN		%		20.8		1
CATTLE	DIG PROT	% *		15.6		
GOATS	DIG PROT	% *		16.0		
HORSES	DIG PROT	% *		15.2		
RABBITS	DIG PROT	% *		14.8		
SHEEP	DIG PROT	% *		16.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.76		
SHEEP	DE	MCAL/KG *		2.75		
CATTLE	ME	MCAL/KG *		2.26		
SHEEP	ME	MCAL/KG *		2.26		
CATTLE	NE-M	MCAL/KG *		1.35		
CATTLE	NE-GAIN	MCAL/KG *		0.74		
CATTLE	NE-LACTATION	MCAL/KG *		1.44		
CATTLE	TDN	% *		62.5		
SHEEP	TDN	% *		62.4		
THEOBROMA CACAO, CACAO						
THEOBROMA CACAO, HULLS, (1)						
REF NO 1-01-051						
DRY MATTER		%	87.7	100.0		3
ORGANIC MATTER		%	78.5	89.5		
ASH		%	9.2	10.5	43	6
CRUDE FIBER		%	22.5	25.6	24	6
ETHER EXTRACT		%	2.8	3.2	57	6
NITROGEN FREE EXTRACT		%	44.5	50.7	10	5
PROTEIN		%	8.8	10.0	41	6
CATTLE	DIG PROT	% *	4.9	5.6		
GOATS	DIG PROT	% *	5.2	5.9		
HORSES	DIG PROT	% *	5.3	6.0		
RABBITS	DIG PROT	% *	5.6	6.4		
SHEEP	DIG PROT	% *	4.9	5.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.25	2.56		
HORSES	DE	MCAL/KG *	1.74	1.98		
SHEEP	DE	MCAL/KG *	2.15	2.45		
CATTLE	ME	MCAL/KG *	1.84	2.10		
HORSES	ME	MCAL/KG *	1.42	1.62		
SHEEP	ME	MCAL/KG *	1.76	2.01		
CATTLE	NE-M	MCAL/KG *	1.09	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.52	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	1.13	1.29		
CATTLE	TDN	% *	50.9	58.1		
HORSES	TDN	% *	43.4	49.5		
SHEEP	TDN	% *	48.7	55.6		
CALCIUM		%	0.41	0.46		2
COPPER		MG/KG	42.7	48.7		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
IRON		%	0.086	0.098		1
MAGNESIUM		%	0.36	0.41		2
MANGANESE		MG/KG	37.7	43.0		1
PHOSPHORUS		%	0.18	0.20		1

THEOBROMA CACAO, HULLS, MECH EXTD GRND, (1)

REF NO 1-13-575

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.0	100.0		1
ORGANIC MATTER		%	86.3	92.8		
ASH		%	6.7	7.2		1
CRUDE FIBER		%	15.0	16.1		1
ETHER EXTRACT		%	7.1	7.6		1
NITROGEN FREE EXTRACT		%	51.8	55.7		1
PROTEIN		%	12.4	13.3		1
CATTLE	DIG PROT	% *	7.9	8.5		
GOATS	DIG PROT	% *	8.4	9.0		
HORSES	DIG PROT	% *	8.2	8.9		
RABBITS	DIG PROT	% *	8.3	9.0		
SHEEP	DIG PROT	% *	7.9	8.5		
ENERGY	GE	KCAL/KG				
HORSES	DE	MCAL/KG *	1.18	1.27		
SHEEP	DE	MCAL/KG *	2.96	3.18		
HORSES	ME	MCAL/KG *	0.97	1.04		
SHEEP	ME	MCAL/KG *	2.42	2.61		
HORSES		TDN % *	27.9	30.0		
SHEEP		TDN % *	67.1	72.1		
CALCIUM		%	0.37	0.40		1
IRON		%	0.120	0.129		1
MAGNESIUM		%	0.48	0.52		1

THEOBROMA CACAO, PODS, S-C, (1)
COCOA PODS, DRIED

REF NO 1-08-387

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.5	100.0	6	7
ORGANIC MATTER		%	84.3	91.2		
ASH		%	8.2	8.8	14	7
CRUDE FIBER		%	29.3	31.7	20	8
ETHER EXTRACT		%	0.9	1.0	16	7
NITROGEN FREE EXTRACT		%	46.2	50.0	14	7
PROTEIN		%	7.9	8.5	33	8
CATTLE	DIG PROT	% *	4.0	4.3		
GOATS	DIG PROT	% *	4.1	4.5		
HORSES	DIG PROT	% *	4.4	4.7		
RABBITS	DIG PROT	% *	4.8	5.2		
SHEEP	DIG PROT	% *	3.9	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.08	2.25		
HORSES	DE	MCAL/KG *	1.47	1.59		
SHEEP	DE	MCAL/KG *	2.11	2.29		
CATTLE	ME	MCAL/KG *	1.71	1.85		
HORSES	ME	MCAL/KG *	1.21	1.30		
SHEEP	ME	MCAL/KG *	1.73	1.88		
CATTLE	NE-M	MCAL/KG *	1.01	1.09		
CATTLE	NE-GAIN	MCAL/KG *	0.30	0.32		
CATTLE	NE-LACTATION	MCAL/KG *	0.96	1.04		
CATTLE		TDN % *	47.2	51.0		
HORSES		TDN % *	35.9	38.8		
SHEEP		TDN % *	48.0	51.9		
CALCIUM		%	0.40	0.43	16	7
PHOSPHORUS		%	0.18	0.19	14	7

THEOBROMA CACAO, SHELLS, (1)

REF NO 1-01-053

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.0	100.0		1
ORGANIC MATTER		%	(81.9)	(93.1)		1
ASH		%	(4.5)	(5.1)		3
CRUDE FIBER		%	(17.4)	(19.7)		3
ETHER EXTRACT		%	(6.5)	(7.4)		3
NITROGEN FREE EXTRACT		%	(49.6)	(56.4)		3
PROTEIN		%	(10.0)	(11.3)		3
CATTLE	DIG PROT	% *	(6.0)	(6.8)		
GOATS	DIG PROT	% *	(6.3)	(7.1)		
HORSES	DIG PROT	% *	(6.3)	(7.2)		
RABBITS	DIG PROT	% *	(6.5)	(7.4)		
SHEEP	DIG PROT	% *	(5.9)	(6.7)		
ENERGY	GE	KCAL/KG				
HORSES	DE	MCAL/KG *	(1.60)	(1.82)		
SHEEP	DE	MCAL/KG *	(2.69)	(3.06)		
HORSES	ME	MCAL/KG *	(1.31)	(1.49)		
SHEEP	ME	MCAL/KG *	(2.21)	(2.51)		
HORSES		TDN % *	(39.6)	(45.0)		
SHEEP		TDN % *	61.0	69.3		
CALCIUM		%	0.36	0.41		1
PHOSPHORUS		%	0.37	0.42		1

THEOBROMA CACAO, SHELLS, GRND, (1)
COCOA SHELLS

REF NO 1-01-568

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.2	100.0		2
ORGANIC MATTER		%	83.2	93.2		
ASH		%	6.0	6.8		2
CRUDE FIBER		%	25.8	28.9		2
ETHER EXTRACT		%	3.0	3.3		2
NITROGEN FREE EXTRACT		%	45.4	50.9		2
PROTEIN		%	9.0	10.1		2
CATTLE	DIG PROT	% *	5.0	5.7		
GOATS	DIG PROT	% *	5.3	6.0		
HORSES	DIG PROT	% *	5.4	6.1		
RABBITS	DIG PROT	% *	5.7	6.4		
SHEEP	DIG PROT	% *	5.0	5.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.34	2.62		
HORSES	DE	MCAL/KG *	1.76	1.97		
SHEEP	DE	MCAL/KG *	2.23	2.50		
CATTLE	ME	MCAL/KG *	1.92	2.15		
HORSES	ME	MCAL/KG *	1.44	1.62		
SHEEP	ME	MCAL/KG *	1.83	2.05		
CATTLE	NE-M	MCAL/KG *	1.14	1.27		
CATTLE	NE-GAIN	MCAL/KG *	0.57	0.64		
CATTLE	NE-LACTATION	MCAL/KG *	1.19	1.33		
CATTLE		TDN % *	53.1	59.5		
HORSES		TDN % *	44.0	49.		
SHEEP		TDN % *	50.6	56.7		

THEOBROMA CACAO, PODS, FRESH, (2)

REF NO 2-13-571

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	53.8	100.0		2
ORGANIC MATTER		%	48.8	90.8		1
ASH		%	5.8	10.8		2
CRUDE FIBER		%	18.8	35.0		2
ETHER EXTRACT		%	1.1	2.1		2
NITROGEN FREE EXTRACT		%	23.8	44.3		2
PROTEIN		%	4.2	7.9		2
CATTLE	DIG PROT	% *	2.5	4.6		
GOATS	DIG PROT	% *	2.1	3.9		
HORSES	DIG PROT	% *	2.3	4.2		
RABBITS	DIG PROT	% *	2.6	4.8		
SHEEP	DIG PROT	% *	2.3	4.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.22	2.28		
SHEEP	DE	MCAL/KG *	1.33	2.47		
CATTLE	ME	MCAL/KG *	1.00	1.87		
SHEEP	ME	MCAL/KG *	1.09	2.02		
CATTLE	NE-M	MCAL/KG *	0.59	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.34		
CATTLE	NE-LACTATION	MCAL/KG *	0.57	1.06		
CATTLE		TDN % *	27.8	51.6		
SHEEP		TDN % *	30.1	56.0		

THEOBROMA CACAO, BRAN, (4)

REF NO 4-13-574

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.2	100.0		1
ORGANIC MATTER		%	87.3	93.7		1
ASH		%	5.9	6.3		1
CRUDE FIBER		%	19.2	20.6		1
ETHER EXTRACT		%	13.0	13.9		1
NITROGEN FREE EXTRACT		%	41.5	44.5		1
PROTEIN		%	13.6	14.6		1
CATTLE	DIG PROT	% *	8.8	9.4		
GOATS	DIG PROT	% *	9.9	10.6		
HORSES	DIG PROT	% *	9.9	10.6		
SHEEP	DIG PROT	% *	9.9	10.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.66	3.93		
SHEEP	DE	MCAL/KG *	2.88	3.09		
SWINE	DE	KCAL/KG *	2579.	2768.		
CATTLE	ME	MCAL/KG *	3.00	3.22		
SHEEP	ME	MCAL/KG *	2.36	2.54		
SWINE	ME	KCAL/KG *	2400.	2575.		
CATTLE	NE-M	MCAL/KG *	2.05	2.20		
CATTLE	NE-GAIN	MCAL/KG *	1.34	1.44		
CATTLE	NE-LACTATION	MCAL/KG *	2.20	2.36		
CATTLE		TDN % *	83.1	89.2		
SHEEP		TDN % *	65.4	70.2		
SWINE		TDN % *	58.5	62.8		
CALCIUM		%	0.29	0.31		1
IRON		%	0.018	0.019		1
PHOSPHORUS		%	0.30	0.32		1
NIACIN		MG/KG	25.6	27.5		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
THEOBROMA CACAO, SEEDS, (5)					
REF NO 5-13-576					
DRY MATTER	%	54.9	100.0		1
ORGANIC MATTER	%	53.0	96.6		
ASH	%	1.9	3.4		1
CRUDE FIBER	%	3.5	6.4		1
ETHER EXTRACT	%	23.1	42.0		1
NITROGEN FREE EXTRACT	%	18.2	33.2		1
PROTEIN	%	8.3	15.0		1
THEOBROMA CACAO, SEEDS, GRND, (5) COCOA MEAL					
REF NO 5-01-569					
DRY MATTER	%	87.3	100.0		2
ORGANIC MATTER	%	77.1	88.3		
ASH	%	10.2	11.7		2
CRUDE FIBER	%	8.1	9.3		2
ETHER EXTRACT	%	9.1	10.4		2
NITROGEN FREE EXTRACT	%	42.0	48.1		2
PROTEIN	%	17.9	20.6		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.76	3.16		
SHEEP	DE MCAL/KG *	3.08	3.53		
CATTLE	ME MCAL/KG *	2.26	2.59		
SHEEP	ME MCAL/KG *	2.53	2.90		
CATTLE	NE-M MCAL/KG *	1.39	1.59		
CATTLE	NE-GAIN MCAL/KG *	0.89	1.02		
CATTLE	NE-LACTATION MCAL/KG *	1.53	1.75		
CATTLE	TDN % *	62.6	71.7		
SHEEP	TDN % *	69.9	80.1		
THEOBROMA CACAO, SEEDS, MECH EXTD GRND, (5)					
REF NO 5-13-577					
DRY MATTER	%	85.7	100.0		2
ORGANIC MATTER	%	79.7	93.0		
ASH	%	6.0	7.0		2
CRUDE FIBER	%	8.5	9.9		2
ETHER EXTRACT	%	5.2	6.1		2
NITROGEN FREE EXTRACT	%	43.2	50.4		2
PROTEIN	%	22.8	26.6		2
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.95	3.44		
SHEEP	DE MCAL/KG *	3.12	3.64		
CATTLE	ME MCAL/KG *	2.42	2.82		
SHEEP	ME MCAL/KG *	2.56	2.99		
CATTLE	NE-M MCAL/KG *	1.54	1.79		
CATTLE	NE-GAIN MCAL/KG *	1.02	1.19		
CATTLE	NE-LACTATION MCAL/KG *	1.69	1.97		
CATTLE	TDN % *	66.9	78.1		
SHEEP	TDN % *	70.8	82.6		
THEOBROMA SPP, CHOCOLATETREE					
THEOBROMA SPP, HULLS, FRESH GRND, (2)					
REF NO 2-13-573					
DRY MATTER	%	10.8	100.0		1
ORGANIC MATTER	%	10.0	92.7		
ASH	%	0.8	7.3		1
CRUDE FIBER	%	2.0	18.6		1
ETHER EXTRACT	%	1.1	10.1		1
NITROGEN FREE EXTRACT	%	5.2	47.9		1
PROTEIN	%	1.7	16.1		1
CATTLE	DIG PROT % *	1.3	11.6		
GOATS	DIG PROT % *	1.3	11.6		
HORSES	DIG PROT % *	1.2	11.2		
RABBITS	DIG PROT % *	1.2	11.1		
SHEEP	DIG PROT % *	1.3	12.0		
TORULA DRIED YEAST (AAFCO) -SEE TORULOPSIS UTILIS TORULOPSIS, DEHY, MN 40% PROTEIN, (7)					
TORULA UTILIS, YEAST, MINERAL					
TORULA UTILIS MINERAL, CENTRIFUGED, (7)					
REF NO 7-11-791					
DRY MATTER	%	89.9	100.0		1
ORGANIC MATTER	%	80.8	89.9		1
ASH	%	9.1	10.1		1
CRUDE FIBER	%	8.5	9.5		1
ETHER EXTRACT	%	0.8	0.9		1
NITROGEN FREE EXTRACT	%	36.2	40.3		1
PROTEIN	%	35.3	39.3		1
TORULA UTILIS MINERAL, DEHY, (7)					
REF NO 7-11-790					
DRY MATTER	%	91.2	100.0		2
ORGANIC MATTER	%	80.4	88.2		2
ASH	%	10.7	11.8		2
CRUDE FIBER	%	4.9	5.4		2
ETHER EXTRACT	%	2.1	2.3		2
NITROGEN FREE EXTRACT	%	32.3	35.5		2
PROTEIN	%	41.1	45.1		2
TORULOPSIS UTILIS, YEAST, TORULOPSIS					
TORULOPSIS UTILIS TORULOPSIS, DEHY, MN 40% PROTEIN, (7) TORULA DRIED YEAST (AAFCO)					
REF NO 7-05-534					
DRY MATTER	%	92.6	100.0	1	10
ORGANIC MATTER	%	83.8	90.5		
ASH	%	8.8	9.5	20	4
CRUDE FIBER	%	2.8	3.0	39	8
ETHER EXTRACT	%	2.0	2.1	68	8
NITROGEN FREE EXTRACT	%	33.9	36.6	12	6
PROTEIN	%	45.1	48.7	13	8
FATTY ACIDS	%				
LINOLEIC	%	0.050	0.054		1
ENERGY	GE KCAL/KG	1999.	2160.		1
SHEEP	DE MCAL/KG *	3.09	3.33		
SWINE	DE KCAL/KG *	2803.	3028.		
CHICKENS	ME-N KCAL/KG	2153.	2326.		3
SHEEP	ME MCAL/KG *	2.53	2.73		
SWINE	ME KCAL/KG	(2404.)	(2597.)		1
CHICKENS	PRODUCTIVE KCAL/KG	1262.	1364.		2
SHEEP	TDN % *	70.0	75.6		
SWINE	TDN %	(63.6)	(68.7)		1
CALCIUM	%	(0.58)	(0.63)	11	7
CHLORINE	%	(0.02)	(0.02)		1
COPPER	MG/KG	(13.4)	(14.5)		3
IRON	%	(0.009)	(0.010)		3
MAGNESIUM	%	(0.13)	(0.14)		3
MANGANESE	MG/KG	(12.8)	(13.8)		4
PHOSPHORUS	%	(1.67)	(1.80)	2	7
CHICKENS, CHICKS AVAILABLE	%	(0.50)	(0.54)		2
POTASSIUM	%	(1.87)	(2.03)		3
SELENIUM	MG/KG	(1.222)	(1.320)		1
SODIUM	%	(0.01)	(0.01)		4
ZINC	MG/KG	(98.9)	(106.8)		3
BIOTIN	MG/KG	(1.39)	(1.50)		3
CHOLINE	MG/KG	(2874.)	(3105.)		5
FOLIC ACID	MG/KG	(22.30)	(24.09)		3
NIACIN	MG/KG	(499.2)	(539.3)		6
PANTOTHENIC ACID	MG/KG	(72.8)	(78.7)	21	6
RIBOFLAVIN	MG/KG	(47.6)	(51.4)	16	6
THIAMINE	MG/KG	(6.2)	(6.7)		3
VITAMIN B6	MG/KG	(29.31)	(31.66)		1
ARGININE	%	(2.60)	(2.80)		6
CYSTINE	%	(0.60)	(0.65)		6
GLYCINE	%	(2.60)	(2.80)	5	4
HISTIDINE	%	(1.39)	(1.51)		4
ISOLEUCINE	%	(2.89)	(3.12)		4
LEUCINE	%	(3.49)	(3.77)		3
LYSINE	%	(3.79)	(4.10)		6
METHIONINE	%	(0.80)	(0.86)		6
PHENYLALANINE	%	(2.99)	(3.23)		4
THREONINE	%	(2.59)	(2.80)		4
TRYPTOPHAN	%	(0.50)	(0.54)		6
TYROSINE	%	(2.09)	(2.26)		3
VALINE	%	2.89	3.12		4
TRACHYPOGON PLUMOSUS, STEEKGRASS					

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
THACHYPOGON PLUMOSUS, AERIAL PART, FRESH, (2)					
REF NO 2-13-208					
DRY MATTER	%		100.0		
PROTEIN	%		4.6		2
CATTLE DIG PROT	% *		1.8		
GOATS DIG PROT	% *		0.9		
HORSES DIG PROT	% *		1.4		
RABBITS DIG PROT	% *		2.2		
SHEEP DIG PROT	% *		1.3		
CALCIUM	%		0.10		2
IRON	%		0.016		2
MAGNESIUM	%		0.15		2
MANGANESE	MG/KG		63.5		2
PHOSPHORUS	%		0.06		2
POTASSIUM	%		0.53		2
THACHYPOGON PLUMOSUS, AERIAL PART, FRESH, GERMINATED, (2)					
REF NO 2-10-256					
DRY MATTER	%	15.8	100.0		1
ORGANIC MATTER	%	14.3	90.5		
ASH	%	1.5	9.5		1
CRUDE FIBER	%	5.8	36.8		1
ETHER EXTRACT	%	0.3	1.7		1
NITROGEN FREE EXTRACT	%	7.6	48.0		1
PROTEIN	%	0.6	3.9		1
CATTLE DIG PROT	% *	0.2	1.2		
GOATS DIG PROT	% *	0.0	0.2		
HORSES DIG PROT	% *	0.1	0.8		
RABBITS DIG PROT	% *	0.3	1.7		
SHEEP DIG PROT	% *	0.1	0.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.33	2.10		
SHEEP DE	MCAL/KG *	0.38	2.38		
CATTLE ME	MCAL/KG *	0.27	1.72		
SHEEP ME	MCAL/KG *	0.31	1.95		
CATTLE NE-M	MCAL/KG *	0.16	1.02		
CATTLE NE-GAIN	MCAL/KG *	0.03	0.18		
CATTLE NE-LACTATION	MCAL/KG *	0.15	0.92		
CATTLE TDN	% *	7.5	47.6		
SHEEP TDN	% *	8.5	54.1		
CALCIUM	%	0.01	0.03		1
PHOSPHORUS	%	0.02	0.10		1
THACHYPOGON PLUMOSUS, AERIAL PART, FRESH, MATURE, (2)					
REF NO 2-10-257					
DRY MATTER	%	22.6	100.0		3
ORGANIC MATTER	%	21.0	93.0		
ASH	%	1.6	7.0		3
CRUDE FIBER	%	8.3	36.6		3
ETHER EXTRACT	%	0.3	1.5		3
NITROGEN FREE EXTRACT	%	11.7	51.6		3
PROTEIN	%	0.7	3.3		3
CATTLE DIG PROT	% *	0.2	0.7		
GOATS DIG PROT	% *	-0.1	-0.4		
HORSES DIG PROT	% *	0.1	0.3		
RABBITS DIG PROT	% *	0.3	1.2		
SHEEP DIG PROT	% *				
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.47	2.10		
SHEEP DE	MCAL/KG *	0.55	2.42		
CATTLE ME	MCAL/KG *	0.39	1.72		
SHEEP ME	MCAL/KG *	0.45	1.98		
CATTLE NE-M	MCAL/KG *	0.23	1.02		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.17		
CATTLE NE-LACTATION	MCAL/KG *	0.21	0.92		
CATTLE TDN	% *	10.8	47.6		
SHEEP TDN	% *	12.4	54.8		
CALCIUM	%	0.02	0.07		3
PHOSPHORUS	%	0.01	0.06		3
TRACHYPOGON SPP, CRINKLEAWN					
TRACHYPOGON SPP, HAY, S-C, (1)					
REF NO 1-13-447					
DRY MATTER	%	92.1	100.0	1	4
ORGANIC MATTER	%	82.4	89.5		
ASH	%	9.7	10.5	12	4
CRUDE FIBER	%	32.6	35.4	6	4
ETHER EXTRACT	%	1.1	1.2	30	4
NITROGEN FREE EXTRACT	%	46.1	50.1		
PROTEIN	%	2.6	2.9	22	4
CATTLE DIG PROT	% *	-0.5	-0.6		
GOATS DIG PROT	% *	-0.7	-0.8		
HORSES DIG PROT	% *	-0.0	-0.1		
RABBITS DIG PROT	% *	0.8	0.9		
SHEEP DIG PROT	% *	-0.8	-0.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.91	2.07		
HORSES DE	MCAL/KG *	1.25	1.35		
SHEEP DE	MCAL/KG *	1.92	2.09		
CATTLE ME	MCAL/KG *	1.57	1.70		
HORSES ME	MCAL/KG *	1.02	1.11		
SHEEP ME	MCAL/KG *	1.58	1.71		
CATTLE NE-M	MCAL/KG *	0.93	1.01		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.15		
CATTLE NE-LACTATION	MCAL/KG *	0.83	0.90		
CATTLE TDN	% *	43.3	47.0		
HORSES TDN	% *	29.8	32.4		
SHEEP TDN	% *	43.6	47.4		
CALCIUM	%	0.34	0.37	19	4
PHOSPHORUS	%	0.14	0.15	33	4
TRACHYPOGON VESTITUS, CRINKLEAWN, VESTITUS					
TRACHYPOGON VESTITUS VESTITUS, HAY, S-C, (1)					
REF NO 1-17-668					
DRY MATTER	%	79.1	100.0		2
PROTEIN	%	4.7	6.0		2
CATTLE DIG PROT	% *	1.7	2.1		
GOATS DIG PROT	% *	1.7	2.1		
HORSES DIG PROT	% *	2.0	2.6		
RABBITS DIG PROT	% *	2.6	3.3		
SHEEP DIG PROT	% *	1.5	1.9		
CALCIUM	%	0.41	0.52		2
MAGNESIUM	%	0.20	0.25		2
MANGANESE	MG/KG	146.6	185.5		2
PHOSPHORUS	%	0.05	0.06		2
POTASSIUM	%	0.75	0.95		2
SODIUM	%	0.05	0.06		2
ZINC	MG/KG	40.3	51.0		2
TRACHYPOGON VESTITUS VESTITUS, AERIAL PART, FRESH, (2)					
REF NO 2-17-669					
DRY MATTER	%	44.6	100.0	28	17
ORGANIC MATTER	%	41.2	92.4		
ASH	%	3.4	7.6		2
CRUDE FIBER	%	15.4	34.6		2
ETHER EXTRACT	%	0.8	1.8		2
NITROGEN FREE EXTRACT	%	22.5	50.4		2
PROTEIN	%	2.5	5.6	38	19
CATTLE DIG PROT	% *	1.2	2.6		
GOATS DIG PROT	% *	0.8	1.8		
HORSES DIG PROT	% *	1.0	2.3		
RABBITS DIG PROT	% *	1.3	3.0		
SHEEP DIG PROT	% *	1.0	2.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	1.01	2.26		
SHEEP DE	MCAL/KG *	1.12	2.50		
CATTLE ME	MCAL/KG *	0.83	1.85		
SHEEP ME	MCAL/KG *	0.91	2.05		
CATTLE NE-M	MCAL/KG *	0.49	1.09		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.33		
CATTLE NE-LACTATION	MCAL/KG *	0.47	1.05		
CATTLE TDN	% *	22.0	51.2		
SHEEP TDN	% *	25.3	56.7		
CALCIUM	%	0.13	0.30	69	16
MAGNESIUM	%	0.12	0.27	34	16
MANGANESE	MG/KG	92.5	207.3	58	17
PHOSPHORUS	%	0.03	0.07	55	17
POTASSIUM	%	0.42	0.94	51	17
SODIUM	%	0.09	0.21	98	17
ZINC	MG/KG	19.3	43.3	35	17
TRICHACHNE INSULARIS, SOURGRASS					
TRICHACHNE INSULARIS, AERIAL PART, FRESH, (2)					
REF NO 2-11-960					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.2		
ASH	%		3.8		1
CRUDE FIBER	%		84.4		1
ETHER EXTRACT	%		0.7		1
NITROGEN FREE EXTRACT	%		7.0		1
PROTEIN	%		4.1		1
CATTLE DIG PROT	% *		1.4		
GOATS DIG PROT	% *		0.4		
HORSES DIG PROT	% *		1.0		
RABBITS DIG PROT	% *		1.8		
SHEEP DIG PROT	% *		0.8		
TRICHLORIS CRINITA					

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRICHLORIS CRINITA CRINITA, HAY, S-C, (1)					
REF NO 1-10-780					
DRY MATTER		%	85.7	100.0	1
ORGANIC MATTER		%	76.5	89.3	
ASH		%	9.2	10.7	1
CRUDE FIBER		%	29.6	34.5	1
ETHER EXTRACT		%	1.3	1.5	1
NITROGEN FREE EXTRACT		%	40.1	46.8	1
PROTEIN		%	5.6	6.5	1
CATTLE	DIG PROT	% *	2.2	2.6	
GOATS	DIG PROT	% *	2.2	2.6	
HORSES	DIG PROT	% *	2.6	3.0	
RABBITS	DIG PROT	% *	3.2	3.7	
SHEEP	DIG PROT	% *	2.1	2.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.86	2.17	
HORSES	DE	MCAL/KG *	1.39	1.62	
SHEEP	DE	MCAL/KG *	1.86	2.17	
CATTLE	ME	MCAL/KG *	1.52	1.78	
HORSES	ME	MCAL/KG *	1.14	1.33	
SHEEP	ME	MCAL/KG *	1.53	1.78	
CATTLE	NE-M	MCAL/KG *	0.90	1.05	
CATTLE	NE-GAIN	MCAL/KG *	0.21	0.24	
CATTLE	NE-LACTATION	MCAL/KG *	0.84	0.98	
CATTLE	TDN	% *	42.2	49.2	
HORSES	TDN	% *	34.0	39.7	
SHEEP	TDN	% *	42.3	49.3	

TRICHLORIS PLURIFLORA, TRICHLORIS, FOURFLOWER

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRICHLORIS PLURIFLORA FOURFLOWER, AERIAL PART, DEHY, (1)					
REF NO 1-13-258					
DRY MATTER		%	67.6	100.0	1
ORGANIC MATTER		%	59.2	87.5	
ASH		%	8.5	12.5	1
CRUDE FIBER		%	27.4	40.6	1
ETHER EXTRACT		%	0.9	1.4	1
NITROGEN FREE EXTRACT		%	27.8	41.1	1
PROTEIN		%	3.0	4.4	1
CATTLE	DIG PROT	% *	0.5	0.8	
GOATS	DIG PROT	% *	0.4	0.7	
HORSES	DIG PROT	% *	0.9	1.3	
RABBITS	DIG PROT	% *	1.4	2.1	
SHEEP	DIG PROT	% *	0.3	0.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	1.34	1.98	
HORSES	DE	MCAL/KG *	1.00	1.49	
SHEEP	DE	MCAL/KG *	1.37	2.03	
CATTLE	ME	MCAL/KG *	1.10	1.63	
HORSES	ME	MCAL/KG *	0.82	1.22	
SHEEP	ME	MCAL/KG *	1.12	1.66	
CATTLE	NE-M	MCAL/KG *	0.66	0.97	
CATTLE	NE-GAIN	MCAL/KG *	0.04	0.06	
CATTLE	NE-LACTATION	MCAL/KG *	0.56	0.83	
CATTLE	TDN	% *	30.4	45.0	
HORSES	TDN	% *	24.3	36.0	
SHEEP	TDN	% *	31.1	46.0	

TRICHOLAENA REPENS, MATALGRASS

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRICHOLAENA REPENS, AERIAL PART, FRESH, LATE BLOOM, (2)					
REF NO 2-11-854					
DRY MATTER		%	27.2	100.0	1
ORGANIC MATTER		%	25.6	94.1	
ASH		%	1.6	5.9	1
CRUDE FIBER		%	10.8	39.7	1
ETHER EXTRACT		%	0.7	2.5	1
NITROGEN FREE EXTRACT		%	11.7	42.9	1
PROTEIN		%	2.4	9.0	1
CATTLE	DIG PROT	% *	1.5	5.5	
GOATS	DIG PROT	% *	1.3	5.0	
HORSES	DIG PROT	% *	1.4	5.2	
RABBITS	DIG PROT	% *	1.5	5.6	
SHEEP	DIG PROT	% *	1.5	5.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.59	2.15	
SHEEP	DE	MCAL/KG *	0.69	2.54	
CATTLE	ME	MCAL/KG *	0.48	1.76	
SHEEP	ME	MCAL/KG *	0.57	2.08	
CATTLE	NE-M	MCAL/KG *	0.28	1.05	
CATTLE	NE-GAIN	MCAL/KG *	0.06	0.23	
CATTLE	NE-LACTATION	MCAL/KG *	0.26	0.96	
CATTLE	TDN	% *	13.3	48.8	
SHEEP	TDN	% *	15.7	57.6	
CALCIUM		%	0.07	0.27	1
PHOSPHORUS		%	0.04	0.16	1

TRICHOPILIA SPP, TRICHOPILIA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRICHOPILIA SPP, AERIAL PART, FRESH, (2)					
REF NO 2-11-961					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		88.8	
ASH		%		11.2	1
PROTEIN		%		6.7	1
CATTLE	DIG PROT	% *		3.6	
GOATS	DIG PROT	% *		2.9	
HORSES	DIG PROT	% *		3.3	
RABBITS	DIG PROT	% *		3.9	
SHEEP	DIG PROT	% *		3.3	
CALCIUM		%		0.46	1
COBALT		MG/KG		0.137	1
COPPER		MG/KG		2.7	1
MANGANESE		MG/KG		82.3	1
PHOSPHORUS		%		0.07	1

TRIFOLIUM FRAGIFERUM, CLOVER, STRAWBERRY

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM FRAGIFERUM STRAWBERRY, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)					
REF NO 2-13-066					
DRY MATTER		%	24.0	100.0	2
DM IN VITRO (TILLY)	DIG COEF	%	66.	66.	I
PROTEIN		%	6.4	26.6	1
CATTLE	DIG PROT	% *	4.9	20.5	
GOATS	DIG PROT	% *	5.1	21.4	
HORSES	DIG PROT	% *	4.8	20.1	
RABBITS	DIG PROT	% *	4.6	19.2	
SHEEP	DIG PROT	% *	5.2	21.8	
TRIFOLIUM FRAGIFERUM STRAWBERRY, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 2, (2)					
REF NO 2-13-067					
DRY MATTER		%	18.7	100.0	1
DM IN VITRO (TILLY)	DIG COEF	%	69.	69.	1
PROTEIN		%	4.5	23.8	1
CATTLE	DIG PROT	% *	3.4	18.1	
GOATS	DIG PROT	% *	3.5	18.8	
HORSES	DIG PROT	% *	3.3	17.7	
RABBITS	DIG PROT	% *	3.2	17.0	
SHEEP	DIG PROT	% *	3.6	19.2	
TRIFOLIUM FRAGIFERUM STRAWBERRY, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 7, (2)					
REF NO 2-13-068					
DRY MATTER		%	22.2	100.0	1
PROTEIN		%	4.9	22.0	1
CATTLE	DIG PROT	% *	3.7	16.6	
GOATS	DIG PROT	% *	3.8	17.1	
HORSES	DIG PROT	% *	3.6	16.2	
RABBITS	DIG PROT	% *	3.5	15.7	
SHEEP	DIG PROT	% *	3.9	17.5	

TRIFOLIUM HYBRIDUM, CLOVER, ALSIKE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM HYBRIDUM ALSIKE, HAY, S-C, LATE BLOOM, (1)					
REF NO 1-01-310					
DRY MATTER		%	19.1	100.0	2
PROTEIN		%	(1.6)	(8.4)	2
CATTLE	DIG PROT	% *	(0.8)	(4.2)	
GOATS	DIG PROT	% *	(0.8)	(4.4)	
HORSES	DIG PROT	% *	(0.9)	(4.7)	
RABBITS	DIG PROT	% *	(1.0)	(5.2)	
SHEEP	DIG PROT	% *	0.8	4.1	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON AUBURN

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO

TRIFOLIUM INCARNATUM CRIMSON AUBURN, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-183

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.7	
ASH	%		10.3	1
CRUDE FIBER	%		30.1	1
ETHER EXTRACT	%		3.0	1
NITROGEN FREE EXTRACT	%		38.0	1
PROTEIN	%		18.6	1
CATTLE	DIG PROT %	*	13.7	
GOATS	DIG PROT %	*	13.9	
HORSES	DIG PROT %	*	13.3	
RABBITS	DIG PROT %	*	13.0	
SHEEP	DIG PROT %	*	14.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG	*	2.64	
SHEEP	DE MCAL/KG	*	2.75	
CATTLE	ME MCAL/KG	*	2.16	
SHEEP	ME MCAL/KG	*	2.26	
CATTLE	NE-M MCAL/KG	*	1.28	
CATTLE	NE-GAIN MCAL/KG	*	0.65	
CATTLE	NE-LACTATION MCAL/KG	*	1.34	
CATTLE	TDN %	*	59.8	
SHEEP	TDN %	*	62.4	

TRIFOLIUM INCARNATUM CRIMSON AUBURN, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-184

DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.0	
ASH	%		10.0	1
CRUDE FIBER	%		27.9	1
ETHER EXTRACT	%		5.1	1
NITROGEN FREE EXTRACT	%		37.6	1
PROTEIN	%		19.4	1
CATTLE	DIG PROT %	*	14.4	
GOATS	DIG PROT %	*	14.7	
HORSES	DIG PROT %	*	14.0	
RABBITS	DIG PROT %	*	13.7	
SHEEP	DIG PROT %	*	15.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG	*	2.85	
SHEEP	DE MCAL/KG	*	2.95	
CATTLE	ME MCAL/KG	*	2.34	
SHEEP	ME MCAL/KG	*	2.42	
CATTLE	NE-M MCAL/KG	*	1.40	
CATTLE	NE-GAIN MCAL/KG	*	0.81	
CATTLE	NE-LACTATION MCAL/KG	*	1.51	
CATTLE	TDN %	*	64.7	
SHEEP	TDN %	*	67.0	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON AUTUAGA

TRIFOLIUM INCARNATUM CRIMSON AUTUAGA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-177

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.9	
ASH	%		10.1	1
CRUDE FIBER	%		35.8	1
ETHER EXTRACT	%		1.6	1
NITROGEN FREE EXTRACT	%		35.0	1
PROTEIN	%		17.5	1
CATTLE	DIG PROT %	*	12.7	
GOATS	DIG PROT %	*	12.9	
HORSES	DIG PROT %	*	12.4	
RABBITS	DIG PROT %	*	12.2	
SHEEP	DIG PROT %	*	13.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG	*	2.76	
SHEEP	DE MCAL/KG	*	2.59	
CATTLE	ME MCAL/KG	*	2.27	
SHEEP	ME MCAL/KG	*	2.13	
CATTLE	NE-M MCAL/KG	*	1.35	
CATTLE	NE-GAIN MCAL/KG	*	0.75	
CATTLE	NE-LACTATION MCAL/KG	*	1.44	
CATTLE	TDN %	*	62.7	
SHEEP	TDN %	*	58.8	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO

TRIFOLIUM INCARNATUM CRIMSON AUTUAGA, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-178

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.5	
ASH	%		10.5	1
CRUDE FIBER	%		39.6	1
ETHER EXTRACT	%		2.2	1
NITROGEN FREE EXTRACT	%		33.8	1
PROTEIN	%		13.9	1
CATTLE	DIG PROT %	*	9.7	
GOATS	DIG PROT %	*	9.6	
HORSES	DIG PROT %	*	9.4	
RABBITS	DIG PROT %	*	9.4	
SHEEP	DIG PROT %	*	10.0	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG	*	2.55	
SHEEP	ME MCAL/KG	*	2.09	
SHEEP	TDN %	*	57.9	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON COMMON

TRIFOLIUM INCARNATUM CRIMSON COMMON, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-187

DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.9	
ASH	%		11.1	1
CRUDE FIBER	%		30.0	1
ETHER EXTRACT	%		4.1	1
NITROGEN FREE EXTRACT	%		35.5	1
PROTEIN	%		19.3	1
CATTLE	DIG PROT %	*	14.3	
GOATS	DIG PROT %	*	14.6	
HORSES	DIG PROT %	*	13.9	
RABBITS	DIG PROT %	*	13.6	
SHEEP	DIG PROT %	*	15.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG	*	2.59	
SHEEP	DE MCAL/KG	*	2.83	
CATTLE	ME MCAL/KG	*	2.08	
SHEEP	ME MCAL/KG	*	2.32	
CATTLE	NE-M MCAL/KG	*	1.23	
CATTLE	NE-GAIN MCAL/KG	*	0.57	
CATTLE	NE-LACTATION MCAL/KG	*	1.27	
CATTLE	TDN %	*	57.6	
SHEEP	TDN %	*	64.2	

TRIFOLIUM INCARNATUM CRIMSON COMMON, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-188

DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.1	
ASH	%		11.9	1
CRUDE FIBER	%		29.5	1
ETHER EXTRACT	%		2.9	1
NITROGEN FREE EXTRACT	%		35.9	1
PROTEIN	%		19.7	1
CATTLE	DIG PROT %	*	14.7	
GOATS	DIG PROT %	*	15.0	
HORSES	DIG PROT %	*	14.3	
RABBITS	DIG PROT %	*	13.9	
SHEEP	DIG PROT %	*	15.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG	*	2.58	
SHEEP	DE MCAL/KG	*	2.72	
CATTLE	ME MCAL/KG	*	2.11	
SHEEP	ME MCAL/KG	*	2.23	
CATTLE	NE-M MCAL/KG	*	1.25	
CATTLE	NE-GAIN MCAL/KG	*	0.60	
CATTLE	NE-LACTATION MCAL/KG	*	1.30	
CATTLE	TDN %	*	58.4	
SHEEP	TDN %	*	61.7	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON DIXIE

TRIFOLIUM INCARNATUM CRIMSON DIXIE, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-175

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.2	
ASH	%		10.8	1
CRUDE FIBER	%		34.8	1
ETHER EXTRACT	%		1.6	1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
NITROGEN FREE EXTRACT	%		36.3	1
PROTEIN	%		16.5	1
CATTLE	DIG PROT % *		11.9	
GOATS	DIG PROT % *		12.0	
HORSES	DIG PROT % *		11.6	
RABBITS	DIG PROT % *		11.4	
SHEEP	DIG PROT % *		12.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.71	
SHEEP	DE MCAL/KG *		2.57	
CATTLE	ME MCAL/KG *		2.22	
SHEEP	ME MCAL/KG *		2.11	
CATTLE	NE-M MCAL/KG *		1.32	
CATTLE	NE-GAIN MCAL/KG *		0.71	
CATTLE	NE-LACTATION MCAL/KG *		1.40	
CATTLE	TDN % *		61.5	
SHEEP	TDN % *		58.3	

TRIFOLIUM INCARNATUM CRIMSON DIXIE, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-176

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.1	
ASH	%		10.9	1
CRUDE FIBER	%		35.4	1
ETHER EXTRACT	%		2.6	1
NITROGEN FREE EXTRACT	%		34.4	1
PROTEIN	%		16.6	1
CATTLE	DIG PROT % *		12.0	
GOATS	DIG PROT % *		12.1	
HORSES	DIG PROT % *		11.6	
RABBITS	DIG PROT % *		11.5	
SHEEP	DIG PROT % *		12.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.50	
SHEEP	DE MCAL/KG *		2.64	
CATTLE	ME MCAL/KG *		2.05	
SHEEP	ME MCAL/KG *		2.16	
CATTLE	NE-M MCAL/KG *		1.21	
CATTLE	NE-GAIN MCAL/KG *		0.54	
CATTLE	NE-LACTATION MCAL/KG *		1.24	
CATTLE	TDN % *		56.7	
SHEEP	TDN % *		59.8	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON KENTUCKY

TRIFOLIUM INCARNATUM CRIMSON KENTUCKY, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-179

DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.8	
ASH	%		11.2	1
CRUDE FIBER	%		31.0	1
ETHER EXTRACT	%		3.5	1
NITROGEN FREE EXTRACT	%		34.5	1
PROTEIN	%		19.7	1
CATTLE	DIG PROT % *		14.6	
GOATS	DIG PROT % *		14.9	
HORSES	DIG PROT % *		14.3	
RABBITS	DIG PROT % *		13.9	
SHEEP	DIG PROT % *		15.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.51	
SHEEP	DE MCAL/KG *		2.78	
CATTLE	ME MCAL/KG *		2.06	
SHEEP	ME MCAL/KG *		2.28	
CATTLE	NE-M MCAL/KG *		1.22	
CATTLE	NE-GAIN MCAL/KG *		0.55	
CATTLE	NE-LACTATION MCAL/KG *		1.25	
CATTLE	TDN % *		57.0	
SHEEP	TDN % *		63.0	

TRIFOLIUM INCARNATUM CRIMSON KENTUCKY, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-180

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.3	
ASH	%		10.7	1
CRUDE FIBER	%		26.5	1
ETHER EXTRACT	%		4.1	1
NITROGEN FREE EXTRACT	%		39.5	1
PROTEIN	%		19.1	1
CATTLE	DIG PROT % *		14.8	
GOATS	DIG PROT % *		14.4	
HORSES	DIG PROT % *		13.8	
RABBITS	DIG PROT % *		13.9	
SHEEP	DIG PROT % *		14.8	

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.81	
SHEEP	DE MCAL/KG *		2.87	
CATTLE	ME MCAL/KG *		2.31	
SHEEP	ME MCAL/KG *		2.35	
CATTLE	NE-M MCAL/KG *		1.38	
CATTLE	NE-GAIN MCAL/KG *		0.79	
CATTLE	NE-LACTATION MCAL/KG *		1.48	
CATTLE	TDN % *		63.8	
SHEEP	TDN % *		65.0	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON MISSISSIPPI

TRIFOLIUM INCARNATUM CRIMSON MISSISSIPPI, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-181

DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.3	
ASH	%		10.7	1
CRUDE FIBER	%		29.0	1
ETHER EXTRACT	%		4.8	1
NITROGEN FREE EXTRACT	%		34.0	1
PROTEIN	%		21.5	1
CATTLE	DIG PROT % *		16.1	
GOATS	DIG PROT % *		16.6	
HORSES	DIG PROT % *		15.7	
RABBITS	DIG PROT % *		15.2	
SHEEP	DIG PROT % *		17.0	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *		2.96	
SHEEP	ME MCAL/KG *		2.43	
SHEEP	TDN % *		67.2	

TRIFOLIUM INCARNATUM CRIMSON MISSISSIPPI, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-182

DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.5	
ASH	%		11.5	1
CRUDE FIBER	%		27.8	1
ETHER EXTRACT	%		3.5	1
NITROGEN FREE EXTRACT	%		36.6	1
PROTEIN	%		20.5	1
CATTLE	DIG PROT % *		15.3	
GOATS	DIG PROT % *		15.7	
HORSES	DIG PROT % *		14.9	
RABBITS	DIG PROT % *		14.5	
SHEEP	DIG PROT % *		16.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.62	
SHEEP	DE MCAL/KG *		2.81	
CATTLE	ME MCAL/KG *		2.14	
SHEEP	ME MCAL/KG *		2.30	
CATTLE	NE-M MCAL/KG *		1.27	
CATTLE	NE-GAIN MCAL/KG *		0.63	
CATTLE	NE-LACTATION MCAL/KG *		1.33	
CATTLE	TDN % *		59.3	
SHEEP	TDN % *		63.7	

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON TALLADEGA

TRIFOLIUM INCARNATUM CRIMSON TALLADEGA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-185

DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.6	
ASH	%		11.4	1
CRUDE FIBER	%		29.1	1
ETHER EXTRACT	%		3.8	1
NITROGEN FREE EXTRACT	%		35.9	1
PROTEIN	%		19.8	1
CATTLE	DIG PROT % *		14.7	
GOATS	DIG PROT % *		15.1	
HORSES	DIG PROT % *		14.4	
RABBITS	DIG PROT % *		14.0	
SHEEP	DIG PROT % *		15.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.58	
SHEEP	DE MCAL/KG *		2.81	
CATTLE	ME MCAL/KG *		2.10	
SHEEP	ME MCAL/KG *		2.30	
CATTLE	NE-M MCAL/KG *		1.24	
CATTLE	NE-GAIN MCAL/KG *		0.59	
CATTLE	NE-LACTATION MCAL/KG *		1.29	
CATTLE	TDN % *		58.1	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP		TDN %	*	63.7		

TRIFOLIUM INCARNATUM CRIMSON TALLADEGA, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-186

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.1		
ASH		%		10.9		1
CRUDE FIBER		%		23.9		1
ETHER EXTRACT		%		3.0		1
NITROGEN FREE EXTRACT		%		44.2		1
PROTEIN		%		18.0		1
CATTLE	DIG PROT	%	*	13.2		
GOATS	DIG PROT	%	*	13.4		
HORSES	DIG PROT	%	*	12.8		
RABBITS	DIG PROT	%	*	12.6		
SHEEP	DIG PROT	%	*	13.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.87		
SHEEP	DE	MCAL/KG	*	2.83		
CATTLE	ME	MCAL/KG	*	2.36		
SHEEP	ME	MCAL/KG	*	2.32		
CATTLE	NE-M	MCAL/KG	*	1.41		
CATTLE	NE-GAIN	MCAL/KG	*	0.83		
CATTLE	NE-LACTATION	MCAL/KG	*	1.53		
CATTLE	TDN	%	*	65.2		
SHEEP	TDN	%	*	(64.1)		

TRIFOLIUM INCARNATUM, CLOVER, CRIMSON

TRIFOLIUM INCARNATUM CRIMSON, AERIAL PART, FRESH, (2)

REF NO 2-01-336

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	(17.6)	(100.0)		4
ORGANIC MATTER		%	15.9	90.5		
ASH		%	1.7	9.5		2
CRUDE FIBER		%	4.9	27.7		2
SHEEP	DIG COEF	%	56.	56.		1
ETHER EXTRACT		%	0.6	3.3		2
SHEEP	DIG COEF	%	66.	66.		1
NITROGEN FREE EXTRACT		%	7.5	42.6		2
SHEEP	DIG COEF	% *	74.	74.		
PROTEIN		%	3.0	17.0		2
SHEEP	DIG COEF	%	77.	77.		1
CATTLE	DIG PROT	% *	2.2	12.3		
GOATS	DIG PROT	% *	2.2	12.4		
HORSES	DIG PROT	% *	2.1	11.9		
RABBITS	DIG PROT	% *	2.1	11.8		
SHEEP	DIG PROT	%	2.3	13.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	* 0.49	2.81		
SHEEP	DE	MCAL/KG	* 0.50	2.86		
CATTLE	ME	MCAL/KG	* 0.40	2.31		
SHEEP	ME	MCAL/KG	* 0.41	2.35		
CATTLE	NE-M	MCAL/KG	* 0.24	1.38		
CATTLE	NE-GAIN	MCAL/KG	* 0.14	0.79		
CATTLE	NE-LACTATION	MCAL/KG	* 0.26	1.48		
CATTLE	TDN	%	* 11.2	63.8		
SHEEP	TDN	%	* (11.4)	(64.9)		
CALCIUM		%	(0.24)	(1.38)		1
CHLORINE		%	(0.11)	(0.61)		2
MAGNESIUM		%	(0.05)	(0.29)		1
MANGANESE		MG/KG	(43.1)	(245.8)		1
PHOSPHORUS		%	(0.05)	(0.29)		1
POTASSIUM		%	(0.54)	(3.10)		1
SODIUM		%	(0.07)	(0.40)		2
SULPHUR		%	0.05	0.28		2

TRIFOLIUM INCARNATUM CRIMSON, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-09-931

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.3		
ASH		%		10.7	2	4
CRUDE FIBER		%		31.3	1	4
ETHER EXTRACT		%		2.9	12	4
NITROGEN FREE EXTRACT		%		36.4	1	4
PROTEIN		%		18.6	1	4
CATTLE	DIG PROT	%	*	13.7		
GOATS	DIG PROT	%	*	13.9		
HORSES	DIG PROT	%	*	13.3		
RABBITS	DIG PROT	%	*	13.0		
SHEEP	DIG PROT	%	*	14.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.58		
SHEEP	DE	MCAL/KG	*	2.72		
CATTLE	ME	MCAL/KG	*	2.12		
SHEEP	ME	MCAL/KG	*	2.23		
CATTLE	NE-M	MCAL/KG	*	1.25		
CATTLE	NE-GAIN	MCAL/KG	*	0.61		
CATTLE	NE-LACTATION	MCAL/KG	*	1.30		
CATTLE	TDN	%	*	58.5		
SHEEP	TDN	%	*	61.7		

TRIFOLIUM INCARNATUM CRIMSON, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-09-932

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.4		
ASH		%		10.6		1
CRUDE FIBER		%		30.8		1
ETHER EXTRACT		%		3.1		1
NITROGEN FREE EXTRACT		%		38.8		1
PROTEIN		%		16.7		1
CATTLE	DIG PROT	%	*	12.1		
GOATS	DIG PROT	%	*	12.2		
HORSES	DIG PROT	%	*	11.7		
RABBITS	DIG PROT	%	*	11.6		
SHEEP	DIG PROT	%	*	12.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.58		
SHEEP	DE	MCAL/KG	*	2.71		
CATTLE	ME	MCAL/KG	*	2.11		
SHEEP	ME	MCAL/KG	*	2.22		
CATTLE	NE-M	MCAL/KG	*	1.25		
CATTLE	NE-GAIN	MCAL/KG	*	0.60		
CATTLE	NE-LACTATION	MCAL/KG	*	1.30		
CATTLE	TDN	%	*	58.5		
SHEEP	TDN	%	*	61.5		

TRIFOLIUM PRATENSE, CLOVER, RED KENLAND

TRIFOLIUM PRATENSE RED KENLAND, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-161

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.8		
ASH		%		13.2		1
CRUDE FIBER		%		22.6		1
ETHER EXTRACT		%		3.4		1
NITROGEN FREE EXTRACT		%		38.9		1
PROTEIN		%		21.9		1
CATTLE	DIG PROT	%	*	16.5		
GOATS	DIG PROT	%	*	17.0		
HORSES	DIG PROT	%	*	16.1		
RABBITS	DIG PROT	%	*	15.6		
SHEEP	DIG PROT	%	*	17.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.67		
SHEEP	DE	MCAL/KG	*	2.84		
CATTLE	ME	MCAL/KG	*	2.19		
SHEEP	ME	MCAL/KG	*	2.33		
CATTLE	NE-M	MCAL/KG	*	1.30		
CATTLE	NE-GAIN	MCAL/KG	*	0.68		
CATTLE	NE-LACTATION	MCAL/KG	*	1.37		
CATTLE	TDN	%	*	60.6		
SHEEP	TDN	%	*	64.5		

TRIFOLIUM PRATENSE RED KENLAND, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-162

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.9		
ASH		%		13.1		1
CRUDE FIBER		%		22.2		1
ETHER EXTRACT		%		3.5		1
NITROGEN FREE EXTRACT		%		38.3		1
PROTEIN		%		22.9		1
CATTLE	DIG PROT	%	*	17.4		
GOATS	DIG PROT	%	*	17.9		
HORSES	DIG PROT	%	*	17.0		
RABBITS	DIG PROT	%	*	16.3		
SHEEP	DIG PROT	%	*	18.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	*	2.67		
SHEEP	DE	MCAL/KG	*	2.86		
CATTLE	ME	MCAL/KG	*	2.19		
SHEEP	ME	MCAL/KG	*	2.35		
CATTLE	NE-M	MCAL/KG	*	1.30		
CATTLE	NE-GAIN	MCAL/KG	*	0.68		
CATTLE	NE-LACTATION	MCAL/KG	*	1.37		
CATTLE	TDN	%	*	60.5		
SHEEP	TDN	%	*	65.0		

TRIFOLIUM PRATENSE, CLOVER, RED LOUISIANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM PRATENSE RED LOUISIANA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-159					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.2	
ASH		%		12.8	3
CRUDE FIBER		%		25.2	3
ETHER EXTRACT		%		2.8	3
NITROGEN FREE EXTRACT		%		39.6	3
PROTEIN		%		19.6	3
CATTLE	DIG PROT	% *		14.5	
GOATS	DIG PROT	% *		14.8	
HORSES	DIG PROT	% *		14.1	
RABBITS	DIG PROT	% *		13.8	
SHEEP	DIG PROT	% *		15.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.64	
SHEEP	DE	MCAL/KG *		2.74	
CATTLE	ME	MCAL/KG *		2.17	
SHEEP	ME	MCAL/KG *		2.25	
CATTLE	NE-M	MCAL/KG *		1.28	
CATTLE	NE-GAIN	MCAL/KG *		0.66	
CATTLE	NE-LACTATION	MCAL/KG *		1.35	
CATTLE	TDN	% *		60.0	
SHEEP	TDN	% *		62.2	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM PRATENSE RED LOUISIANA, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-160					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.2	
ASH		%		12.8	3
CRUDE FIBER		%		22.4	3
ETHER EXTRACT		%		2.6	3
NITROGEN FREE EXTRACT		%		40.1	3
PROTEIN		%		22.2	3
CATTLE	DIG PROT	% *		16.8	
GOATS	DIG PROT	% *		17.3	
HORSES	DIG PROT	% *		16.4	
RABBITS	DIG PROT	% *		15.8	
SHEEP	DIG PROT	% *		17.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.70	
SHEEP	DE	MCAL/KG *		2.80	
CATTLE	ME	MCAL/KG *		2.21	
SHEEP	ME	MCAL/KG *		2.30	
CATTLE	NE-M	MCAL/KG *		1.31	
CATTLE	NE-GAIN	MCAL/KG *		0.70	
CATTLE	NE-LACTATION	MCAL/KG *		1.39	
CATTLE	TDN	% *		61.2	
SHEEP	TDN	% *		63.6	

TRIFOLIUM PRATENSE, CLOVER, RED NOLIN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM PRATENSE RED NOLIN, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-152					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		88.7	
ASH		%		11.3	2
CRUDE FIBER		%		25.6	2
ETHER EXTRACT		%		3.8	2
NITROGEN FREE EXTRACT		%		38.2	2
PROTEIN		%		21.1	2
CATTLE	DIG PROT	% *		15.8	
GOATS	DIG PROT	% *		16.2	
HORSES	DIG PROT	% *		15.4	
RABBITS	DIG PROT	% *		14.9	
SHEEP	DIG PROT	% *		16.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.73	
SHEEP	DE	MCAL/KG *		2.87	
CATTLE	ME	MCAL/KG *		2.24	
SHEEP	ME	MCAL/KG *		2.35	
CATTLE	NE-M	MCAL/KG *		1.33	
CATTLE	NE-GAIN	MCAL/KG *		0.73	
CATTLE	NE-LACTATION	MCAL/KG *		1.42	
CATTLE	TDN	% *		62.0	
SHEEP	TDN	% *		65.1	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM PRATENSE RED NOLIN, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-153					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.8	
ASH		%		12.2	2
CRUDE FIBER		%		27.3	2
ETHER EXTRACT		%		2.5	2
NITROGEN FREE EXTRACT		%		36.0	2
PROTEIN		%		22.0	2
CATTLE	DIG PROT	% *		16.6	
GOATS	DIG PROT	% *		17.1	
HORSES	DIG PROT	% *		16.2	
RABBITS	DIG PROT	% *		15.6	
SHEEP	DIG PROT	% *		17.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.66	
SHEEP	DE	MCAL/KG *		2.73	
CATTLE	ME	MCAL/KG *		2.18	
SHEEP	ME	MCAL/KG *		2.24	
CATTLE	NE-M	MCAL/KG *		1.29	
CATTLE	NE-GAIN	MCAL/KG *		0.67	
CATTLE	NE-LACTATION	MCAL/KG *		1.36	
CATTLE	TDN	% *		60.2	
SHEEP	TDN	% *		61.9	

TRIFOLIUM PRATENSE, CLOVER, RED PENNSCOTT

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM PRATENSE RED PENNSCOTT, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-157					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.3	
ASH		%		12.7	1
CRUDE FIBER		%		20.8	1
ETHER EXTRACT		%		3.8	1
NITROGEN FREE EXTRACT		%		40.0	1
PROTEIN		%		22.7	1
CATTLE	DIG PROT	% *		17.2	
GOATS	DIG PROT	% *		17.7	
HORSES	DIG PROT	% *		16.8	
RABBITS	DIG PROT	% *		16.2	
SHEEP	DIG PROT	% *		18.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.80	
SHEEP	DE	MCAL/KG *		2.93	
CATTLE	ME	MCAL/KG *		2.30	
SHEEP	ME	MCAL/KG *		2.40	
CATTLE	NE-M	MCAL/KG *		1.37	
CATTLE	NE-GAIN	MCAL/KG *		0.78	
CATTLE	NE-LACTATION	MCAL/KG *		1.47	
CATTLE	TDN	% *		63.6	
SHEEP	TDN	% *		66.4	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM PRATENSE RED PENNSCOTT, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-158					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		86.5	
ASH		%		13.5	1
CRUDE FIBER		%		23.4	1
ETHER EXTRACT		%		3.0	1
NITROGEN FREE EXTRACT		%		38.3	1
PROTEIN		%		21.9	1
CATTLE	DIG PROT	% *		16.5	
GOATS	DIG PROT	% *		17.0	
HORSES	DIG PROT	% *		16.1	
RABBITS	DIG PROT	% *		15.8	
SHEEP	DIG PROT	% *		17.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.61	
SHEEP	DE	MCAL/KG *		2.78	
CATTLE	ME	MCAL/KG *		2.14	
SHEEP	ME	MCAL/KG *		2.28	
CATTLE	NE-M	MCAL/KG *		1.27	
CATTLE	NE-GAIN	MCAL/KG *		0.63	
CATTLE	NE-LACTATION	MCAL/KG *		1.33	
CATTLE	TDN	% *		59.3	
SHEEP	TDN	% *		63.1	

TRIFOLIUM PRATENSE, CLOVER, RED PORT GIBSON

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRIFOLIUM PRATENSE RED PORT GIBSON, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-155					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		85.2		
ASH	%		14.8		2
CRUDE FIBER	%		22.6		2
ETHER EXTRACT	%		2.7		2
NITROGEN FREE EXTRACT	%		37.3		2
PROTEIN	%		22.6		2
CATTLE	DIG PROT % *		17.1		
GOATS	DIG PROT % *		17.7		
HORSES	DIG PROT % *		16.7		
RABBITS	DIG PROT % *		16.1		
SHEEP	DIG PROT % *		18.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.53		
SHEEP	DE MCAL/KG *		2.74		
CATTLE	ME MCAL/KG *		2.07		
SHEEP	ME MCAL/KG *		2.25		
CATTLE	NE-M MCAL/KG *		1.22		
CATTLE	NE-GAIN MCAL/KG *		0.56		
CATTLE	NE-LACTATION MCAL/KG *		1.26		
CATTLE	TDN % *		57.3		
SHEEP	TDN % *		62.2		
TRIFOLIUM PRATENSE RED PORT GIBSON, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-156					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.6		
ASH	%		13.4		2
CRUDE FIBER	%		22.2		2
ETHER EXTRACT	%		1.9		2
NITROGEN FREE EXTRACT	%		37.5		2
PROTEIN	%		25.0		2
CATTLE	DIG PROT % *		19.1		
GOATS	DIG PROT % *		19.9		
HORSES	DIG PROT % *		18.8		
RABBITS	DIG PROT % *		18.0		
SHEEP	DIG PROT % *		20.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		2.75		
SHEEP	ME MCAL/KG *		2.26		
SHEEP	TDN % *		62.5		
TRIFOLIUM PRATENSE, CLOVER, RED SANFORD					
TRIFOLIUM PRATENSE RED SANFORD, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-143					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.1		
ASH	%		11.9		1
CRUDE FIBER	%		31.1		1
ETHER EXTRACT	%		5.1		1
NITROGEN FREE EXTRACT	%		27.9		1
PROTEIN	%		24.0		1
CATTLE	DIG PROT % *		18.3		
GOATS	DIG PROT % *		18.9		
HORSES	DIG PROT % *		17.9		
RABBITS	DIG PROT % *		17.2		
SHEEP	DIG PROT % *		19.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		3.08		
SHEEP	ME MCAL/KG *		2.53		
SHEEP	TDN % *		69.9		
TRIFOLIUM PRATENSE RED SANFORD, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-154					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.6		
ASH	%		11.4		1
CRUDE FIBER	%		23.2		1
ETHER EXTRACT	%		2.4		1
NITROGEN FREE EXTRACT	%		39.5		1
PROTEIN	%		23.5		1
CATTLE	DIG PROT % *		17.9		
GOATS	DIG PROT % *		18.5		
HORSES	DIG PROT % *		17.5		
RABBITS	DIG PROT % *		16.8		
SHEEP	DIG PROT % *		18.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.76		
SHEEP	DE MCAL/KG *		2.82		
CATTLE	ME MCAL/KG *		2.26		
SHEEP	ME MCAL/KG *		2.32		
CATTLE	NE-M MCAL/KG *		1.35		
CATTLE	NE-GAIN MCAL/KG *		0.74		
CATTLE	NE-LACTATION MCAL/KG *		1.44		
CATTLE	TDN % *		62.5		
SHEEP	TDN % *		64.1		
TRIFOLIUM PRATENSE, CLOVER, RED					
TRIFOLIUM PRATENSE RED, HAY, S-C, (1)					
REF NO 1-01-415					
DRY MATTER	%	91.9	100.0	1	16
ORGANIC MATTER	%	82.8	90.1	12	15
ASH	%	8.9	9.7	12	17
SHEEP	DIG COEF %	39.	39.		
CRUDE FIBER	%	18.9	20.5	32	20
CATTLE	DIG COEF %	54.	54.		1
HORSES	DIG COEF %	35.	35.		1
SHEEP	DIG COEF %	52.	52.		1
ETHER EXTRACT	%	2.1	2.3	30	18
CATTLE	DIG COEF %	58.	58.		1
HORSES	DIG COEF %	28.	28.		1
SHEEP	DIG COEF %	59.	59.		1
NITROGEN FREE EXTRACT	%	41.2	44.8	11	17
CATTLE	DIG COEF %	68.	68.		1
HORSES	DIG COEF %	61.	61.		1
SHEEP	DIG COEF %	67.	67.		1
PROTEIN	%	20.8	22.7	17	20
CATTLE	DIG COEF %	60.	60.		1
HORSES	DIG COEF %	54.	54.		1
SHEEP	DIG COEF %	61.	61.		1
CATTLE	DIG PROT %	12.5	13.6		
GOATS	DIG PROT % *	16.3	17.7		
HORSES	DIG PROT %	11.3	12.2		
RABBITS	DIG PROT % *	14.9	16.2		
SHEEP	DIG PROT %	(12.7)	(13.8)		
HEMICELLULOSE	%	8.1	8.8		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.36	2.56		
HORSES	DE MCAL/KG *	1.78	1.93		
SHEEP	DE MCAL/KG *	2.33	2.54		
CATTLE	ME MCAL/KG *	1.93	2.10		
HORSES	ME MCAL/KG *	1.46	1.58		
SHEEP	ME MCAL/KG *	1.91	2.08		
CATTLE	NE-M MCAL/KG *	1.14	1.24		
CATTLE	NE-GAIN MCAL/KG *	0.54	0.59		
CATTLE	NE-LACTATION MCAL/KG *	1.18	1.29		
CATTLE	TDN %	53.4	58.1		1
HORSES	TDN %	44.3	48.2		1
SHEEP	TDN %	52.9	57.6		1
CALCIUM	%	(1.43)	(1.56)	24	16
CHLORINE	%	0.34	0.37		1
COBALT	MG/KG	0.072	0.078	36	14
COPPER	MG/KG	12.1	13.1	29	16
IRON	%	0.033	0.036	56	16
MAGNESIUM	%	0.33	0.36	36	16
MANGANESE	MG/KG	63.7	69.3	51	16
MOLYBDENUM	MG/KG	3.21	3.49	52	14
PHOSPHORUS	%	0.37	0.40	18	16
POTASSIUM	%	1.95	2.13	25	16
SODIUM	%	(0.10)	(0.11)	99	16
SULPHUR	%	0.15	0.16		1
ZINC	MG/KG	(25.8)	(28.1)	50	16
BIOTIN	MG/KG	(0.07)	(0.07)		2
NIACIN	MG/KG	(38.8)	(42.2)		1
PANTOTHENIC ACID	MG/KG	(10.3)	(11.2)		1
RIBOFLAVIN	MG/KG	(16.3)	(17.7)		1
THIAMINE	MG/KG	2.1	2.2		1
VITAMIN A EQUIV	IU/G	27.9	30.4		
TRIFOLIUM PRATENSE RED, HAY, S-C, EARLY VEGETATIVE, (1)					
REF NO 1-01-394					
DRY MATTER	%	90.8	100.0		1
ORGANIC MATTER	%	81.8	90.1		1
ASH	%	9.0	9.9		1
CRUDE FIBER	%	22.9	25.2		1
ETHER EXTRACT	%	2.6	2.9		1
NITROGEN FREE EXTRACT	%	40.9	45.0		1
PROTEIN	%	15.4	17.0		1
CATTLE	DIG PROT % *	10.6	11.7		
GOATS	DIG PROT % *	11.3	12.4		
HORSES	DIG PROT % *	10.9	12.0		
RABBITS	DIG PROT % *	10.7	11.8		
SHEEP	DIG PROT % *	10.7	11.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.47	2.72		
HORSES	DE MCAL/KG *	1.78	1.96		
SHEEP	DE MCAL/KG *	2.37	2.61		
CATTLE	ME MCAL/KG *	2.02	2.23		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	ME MCAL/KG *	1.46	1.61		
SHEEP	ME MCAL/KG *	1.95	2.14		
CATTLE	NE-M MCAL/KG *	1.20	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.65	0.71		
CATTLE	NE-LACTATION MCAL/KG *	1.28	1.41		
CATTLE	TDN % *	56.0	61.7		
HORSES	TDN % *	44.5	49.0		
SHEEP	TDN % *	53.8	59.3		
CALCIUM	%	1.27	1.40		1
COBALT	MG/KG	0.091	0.100		1
COPPER	MG/KG	15.4	17.0		1
IRON	%	0.009	0.010		1
MAGNESIUM	%	0.33	0.36		1
MANGANESE	MG/KG	48.4	53.3		1
MOLYBDENUM	MG/KG	3.27	3.60		1
PHOSPHORUS	%	0.15	0.17		1
POTASSIUM	%	1.99	2.19		1
SODIUM	%	0.03	0.03		1
ZINC	MG/KG	22.5	24.8		1

TRIFOLIUM PRATENSE RED, HAY, S-C, LATE VEGETATIVE, (1)

REF NO 1-01-397

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.1	100.0		2
ORGANIC MATTER	%	82.2	89.4		2
ASH	%	9.8	10.7		2
CRUDE FIBER	%	21.4	23.3		2
ETHER EXTRACT	%	2.3	2.6		2
NITROGEN FREE EXTRACT	%	38.5	41.8		2
PROTEIN	%	20.0	21.7		2
CATTLE	DIG PROT % *	14.5	15.7		
GOATS	DIG PROT % *	15.5	16.8		
HORSES	DIG PROT % *	14.7	16.0		
RABBITS	DIG PROT % *	14.2	15.4		
SHEEP	DIG PROT % *	14.8	16.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.65	2.88		
HORSES	DE MCAL/KG *	1.91	2.07		
SHEEP	DE MCAL/KG *	2.52	2.74		
CATTLE	ME MCAL/KG *	2.17	2.36		
HORSES	ME MCAL/KG *	1.57	1.70		
SHEEP	ME MCAL/KG *	2.07	2.25		
CATTLE	NE-M MCAL/KG *	1.31	1.42		
CATTLE	NE-GAIN MCAL/KG *	0.77	0.83		
CATTLE	NE-LACTATION MCAL/KG *	1.41	1.53		
CATTLE	TDN % *	60.2	65.3		
HORSES	TDN % *	48.0	52.1		
SHEEP	TDN % *	57.2	62.1		
CALCIUM	%	1.69	1.84		2
COBALT	MG/KG	0.064	0.070		2
COPPER	MG/KG	11.4	12.4		2
IRON	%	0.014	0.015		2
MAGNESIUM	%	0.49	0.54		2
MANGANESE	MG/KG	40.3	43.8		2
MOLYBDENUM	MG/KG	6.16	6.69		2
PHOSPHORUS	%	0.39	0.42		2
POTASSIUM	%	2.06	2.24		2
SODIUM	%	0.06	0.06		2
ZINC	MG/KG	19.8	21.6		2

TRIFOLIUM PRATENSE RED, HAY, S-C, EARLY BLOOM, (1)

REF NO 1-01-400

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.9	100.0		2
ORGANIC MATTER	%	81.2	89.4		2
ASH	%	9.7	10.7		2
CRUDE FIBER	%	23.0	25.4		2
ETHER EXTRACT	%	2.8	3.1		2
NITROGEN FREE EXTRACT	%	39.0	43.0		2
PROTEIN	%	16.3	18.0		2
CATTLE	DIG PROT % *	11.3	12.5		
GOATS	DIG PROT % *	12.1	13.3		
HORSES	DIG PROT % *	11.6	12.8		
RABBITS	DIG PROT % *	11.4	12.5		
SHEEP	DIG PROT % *	11.5	12.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.46	2.70		
HORSES	DE MCAL/KG *	1.76	1.93		
SHEEP	DE MCAL/KG *	2.37	2.61		
CATTLE	ME MCAL/KG *	2.02	2.22		
HORSES	ME MCAL/KG *	1.44	1.58		
SHEEP	ME MCAL/KG *	1.94	2.14		
CATTLE	NE-M MCAL/KG *	1.20	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.64	0.70		
CATTLE	NE-LACTATION MCAL/KG *	1.27	1.40		
CATTLE	TDN % *	55.8	61.3		
HORSES	TDN % *	43.8	48.2		
SHEEP	TDN % *	53.7	59.1		
CALCIUM	%	1.31	1.44		2
COBALT	MG/KG	0.064	0.070		2
COPPER	MG/KG	11.5	12.7		2
IRON	%	0.014	0.015		2
MAGNESIUM	%	0.46	0.51		2
MANGANESE	MG/KG	33.4	36.7		2
MOLYBDENUM	MG/KG	3.68	4.05		2
PHOSPHORUS	%	0.26	0.29		2
POTASSIUM	%	1.67	1.84		2
SODIUM	%	0.09	0.10		2
ZINC	MG/KG	27.0	29.7		2

TRIFOLIUM PRATENSE RED, HAY, S-C, CUT 3, (1)

REF NO 1-01-408

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.6	100.0		1
ORGANIC MATTER	%	80.2	88.5		1
ASH	%	10.4	11.5		1
CRUDE FIBER	%	24.0	26.5		1
ETHER EXTRACT	%	2.4	2.6		1
NITROGEN FREE EXTRACT	%	36.6	40.4		1
PROTEIN	%	17.2	19.0		1
CATTLE	DIG PROT % *	12.1	13.4		
GOATS	DIG PROT % *	12.9	14.3		
HORSES	DIG PROT % *	12.4	13.7		
RABBITS	DIG PROT % *	12.1	13.3		
SHEEP	DIG PROT % *	12.3	13.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.40	2.65		
HORSES	DE MCAL/KG *	1.85	2.04		
SHEEP	DE MCAL/KG *	2.33	2.57		
CATTLE	ME MCAL/KG *	1.97	2.18		
HORSES	ME MCAL/KG *	1.52	1.68		
SHEEP	ME MCAL/KG *	1.91	2.11		
CATTLE	NE-M MCAL/KG *	1.17	1.29		
CATTLE	NE-GAIN MCAL/KG *	0.60	0.66		
CATTLE	NE-LACTATION MCAL/KG *	1.23	1.36		
CATTLE	TDN % *	54.5	60.2		
HORSES	TDN % *	46.5	51.3		
SHEEP	TDN % *	52.8	58.2		
CALCIUM	%	1.62	1.79		1
COBALT	MG/KG	0.091	0.100		1
COPPER	MG/KG	8.5	9.4		1
IRON	%	0.009	0.010		1
MAGNESIUM	%	0.40	0.44		1
MANGANESE	MG/KG	68.2	75.3		1
MOLYBDENUM	MG/KG	3.53	3.90		1
PHOSPHORUS	%	0.30	0.33		1
POTASSIUM	%	2.37	2.62		1
SODIUM	%	0.09	0.10		1
ZINC	MG/KG	22.4	24.7		1

TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, (2)

REF NO 2-01-434

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.0	100.0	87	9
ORGANIC MATTER	%	26.0	92.9		
ASH	%	2.0	7.1	67	14
CRUDE FIBER	%	3.3	11.7	71	11
SHEEP	DIG COEF %	57.	57.		1
ETHER EXTRACT	%	0.6	2.0	53	11
SHEEP	DIG COEF %	67.	67.		1
NITROGEN FREE EXTRACT	%	18.6	66.3	78	11
SHEEP	DIG COEF % *	79.	79.		
PROTEIN	%	3.6	12.8	66	14
SHEEP	DIG COEF %	71.	71.		1
CATTLE	DIG PROT % *	2.5	8.8		
GOATS	DIG PROT % *	2.4	8.5		
HORSES	DIG PROT % *	2.4	8.4		
RABBITS	DIG PROT % *	2.4	8.6		
SHEEP	DIG PROT %	2.5	9.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.12	4.00		
SHEEP	DE MCAL/KG *	0.88	3.14		
CATTLE	ME MCAL/KG *	0.92	3.28		
SHEEP	ME MCAL/KG *	0.72	2.57		
CATTLE	NE-M MCAL/KG *	0.63	2.26		
CATTLE	NE-GAIN MCAL/KG *	0.41	1.47		
CATTLE	NE-LACTATION MCAL/KG *	0.67	2.41		
CATTLE	TDN % *	25.4	90.7		
SHEEP	TDN % *	19.9	71.2		
CALCIUM	%	(0.18)	(0.64)	92	13
CHLORINE	%	(0.20)	(0.72)		1
COBALT	MG/KG	0.018	0.064		1
COPPER	MG/KG	7.0	25.1	76	5
IRON	%	0.007	0.026	98	8
MAGNESIUM	%	0.13	0.45		3
MANGANESE	MG/KG	36.5	130.2	36	5
MOLYBDENUM	MG/KG	0.34	1.20		3
PHOSPHORUS	%	(0.04)	(0.16)	71	13
POTASSIUM	%	(0.65)	(2.33)		1
SODIUM	%	(0.06)	(0.20)		1
SULPHUR	%	0.05	0.17		1
ZINC	MG/KG	(14.7)	(52.4)		3
NIACIN	MG/KG	(16.6)	(59.1)		2
RIBOFLAVIN	MG/KG	(2.4)	(8.7)		1
THIAMINE	MG/KG	0.8	3.0		1
VITAMIN A EQUIV	IU/G	63.4	226.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-13-013						
DRY MATTER		%	33.8	100.0	27	6
DM IN VITRO (TILLY)	DIG COEF	%	48.	48.	10	4
PROTEIN		%	6.0	17.9	24	5
CATTLE	DIG PROT	% *	4.4	13.1		
GOATS	DIG PROT	% *	4.5	13.2		
HORSES	DIG PROT	% *	4.3	12.7		
RABBITS	DIG PROT	% *	4.2	12.5		
SHEEP	DIG PROT	% *	4.6	13.6		
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 2, (2)						
REF NO 2-13-014						
DRY MATTER		%	29.3	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	57.	57.		1
PROTEIN		%	5.7	19.6		1
CATTLE	DIG PROT	% *	4.3	14.6		
GOATS	DIG PROT	% *	4.4	14.8		
HORSES	DIG PROT	% *	4.2	14.2		
RABBITS	DIG PROT	% *	4.0	13.8		
SHEEP	DIG PROT	% *	4.5	15.3		
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)						
REF NO 2-13-015						
DRY MATTER		%	18.5	100.0	40	5
DM IN VITRO (TILLY)	DIG COEF	%	62.	62.		3
PROTEIN		%	4.4	23.8	12	5
CATTLE	DIG PROT	% *	3.3	18.1		
GOATS	DIG PROT	% *	3.5	18.7		
HORSES	DIG PROT	% *	3.3	17.7		
RABBITS	DIG PROT	% *	3.1	17.0		
SHEEP	DIG PROT	% *	3.5	19.2		
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 3, (2)						
REF NO 2-13-016						
DRY MATTER		%	28.0	100.0		
DM IN VITRO (TILLY)	DIG COEF	%	63.	63.		2
PROTEIN		%	5.2	18.7		3
CATTLE	DIG PROT	% *	3.9	13.8		
GOATS	DIG PROT	% *	3.9	14.0		
HORSES	DIG PROT	% *	3.8	13.4		
RABBITS	DIG PROT	% *	3.7	13.1		
SHEEP	DIG PROT	% *	4.0	14.4		
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, EARLY BLOOM, (2)						
REF NO 2-01-428						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.9		
ASH		%		12.1	6	4
CRUDE FIBER		%		24.1	1	4
ETHER EXTRACT		%		3.0	21	4
NITROGEN FREE EXTRACT		%		38.0	2	4
PROTEIN		%		22.8	2	4
CATTLE	DIG PROT	% *		17.3		
GOATS	DIG PROT	% *		17.9		
HORSES	DIG PROT	% *		16.9		
RABBITS	DIG PROT	% *		16.3		
SHEEP	DIG PROT	% *		18.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.69		
SHEEP	DE MCAL/KG	*		2.83		
CATTLE	ME MCAL/KG	*		2.21		
SHEEP	ME MCAL/KG	*		2.32		
CATTLE	NE-M MCAL/KG	*		1.31		
CATTLE	NE-GAIN MCAL/KG	*		0.70		
CATTLE	NE-LACTATION MCAL/KG	*		1.39		
CATTLE	TDN %	*		61.1		
SHEEP	TDN %	*		64.1		
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-09-922						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.2		
ASH		%		11.8		1
CRUDE FIBER		%		24.5		1
ETHER EXTRACT		%		3.6		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
NITROGEN FREE EXTRACT		%		38.4		1
PROTEIN		%		21.7		1
CATTLE	DIG PROT	% *		16.3		
GOATS	DIG PROT	% *		16.8		
HORSES	DIG PROT	% *		16.0		
RABBITS	DIG PROT	% *		15.4		
SHEEP	DIG PROT	% *		17.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.72		
SHEEP	DE MCAL/KG	*		2.86		
CATTLE	ME MCAL/KG	*		2.23		
SHEEP	ME MCAL/KG	*		2.35		
CATTLE	NE-M MCAL/KG	*		1.33		
CATTLE	NE-GAIN MCAL/KG	*		0.72		
CATTLE	NE-LACTATION MCAL/KG	*		1.41		
CATTLE	TDN %	*		61.8		
SHEEP	TDN %	*		64.9		
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, CUT 1, (2)						
REF NO 2-01-431						
DRY MATTER		%	13.9	100.0		3
ORGANIC MATTER		%	12.4	89.0		
ASH		%	1.5	11.0		3
CRUDE FIBER		%	3.0	21.7		3
ETHER EXTRACT		%	0.6	4.6		3
NITROGEN FREE EXTRACT		%	6.0	43.2		3
PROTEIN		%	2.7	19.5		3
CATTLE	DIG PROT	% *	2.0	14.5		
GOATS	DIG PROT	% *	2.1	14.8		
HORSES	DIG PROT	% *	2.0	14.1		
RABBITS	DIG PROT	% *	1.9	13.7		
SHEEP	DIG PROT	% *	2.1	15.2		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.45	3.23		
SHEEP	DE MCAL/KG	*	0.41	2.97		
CATTLE	ME MCAL/KG	*	0.37	2.65		
SHEEP	ME MCAL/KG	*	0.34	2.44		
CATTLE	NE-M MCAL/KG	*	0.23	1.64		
CATTLE	NE-GAIN MCAL/KG	*	0.15	1.07		
CATTLE	NE-LACTATION MCAL/KG	*	0.25	1.81		
CATTLE	TDN %	*	10.2	73.3		
SHEEP	TDN %	*	9.4	67.4		
CALCIUM		%	0.23	1.63		3
COPPER		MG/KG	2.2	16.0		3
IRON		%	0.006	0.043		3
MAGNESIUM		%	0.04	0.30		3
MANGANESE		MG/KG	6.2	44.5		3
PHOSPHORUS		%	0.04	0.28		3
POTASSIUM		%	0.34	2.47		3
SODIUM		%	0.01	0.11		3
TRIFOLIUM PRATENSE RED, AERIAL PART, FRESH, CUT 2, (2)						
REF NO 2-01-432						
DRY MATTER		%	15.0	100.0		3
ORGANIC MATTER		%	13.4	89.2		
ASH		%	1.6	10.8		3
CRUDE FIBER		%	3.5	23.1		3
ETHER EXTRACT		%	0.5	3.5		3
NITROGEN FREE EXTRACT		%	6.5	43.7		3
PROTEIN		%	2.8	18.9		3
CATTLE	DIG PROT	% *	2.1	14.0		
GOATS	DIG PROT	% *	2.1	14.2		
HORSES	DIG PROT	% *	2.0	13.6		
RABBITS	DIG PROT	% *	2.0	13.3		
SHEEP	DIG PROT	% *	2.2	14.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	0.45	2.98		
SHEEP	DE MCAL/KG	*	0.43	2.88		
CATTLE	ME MCAL/KG	*	0.37	2.44		
SHEEP	ME MCAL/KG	*	0.35	2.36		
CATTLE	NE-M MCAL/KG	*	0.22	1.47		
CATTLE	NE-GAIN MCAL/KG	*	0.13	0.90		
CATTLE	NE-LACTATION MCAL/KG	*	0.24	1.61		
CATTLE	TDN %	*	10.1	67.5		
SHEEP	TDN %	*	9.8	65.3		
TRIFOLIUM PRATENSE RED, AERIAL PART, ENSILED, (3)						
REF NO 3-01-441						
DRY MATTER		%	38.7	100.0		1
ORGANIC MATTER		%	34.8	89.8		
ASH		%	3.9	10.2		1
CRUDE FIBER		%	12.7	32.9		1
ETHER EXTRACT		%	1.8	4.6		1
NITROGEN FREE EXTRACT		%	14.8	38.2		
PROTEIN		%	5.5	14.1		1
CATTLE	DIG PROT	% *	3.5	9.0		
GOATS	DIG PROT	% *	3.5	9.0		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
HORSES	DIG PROT % *	3.5	9.0	
SHEEP	DIG PROT % *	3.5	9.0	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	1.00	2.58	
SHEEP	DE MCAL/KG *	1.01	2.60	
CATTLE	ME MCAL/KG *	0.82	2.12	
SHEEP	ME MCAL/KG *	0.82	2.13	
CATTLE	NE-M MCAL/KG *	0.48	1.25	
CATTLE	NE-GAIN MCAL/KG *	0.23	0.61	
CATTLE	NE-LACTATION MCAL/KG *	0.50	1.30	
CATTLE	TDN % *	22.7	58.5	
SHEEP	TDN % *	22.6	59.0	

TRIFOLIUM PRATENSE RED, AERIAL PART, ENSILED, EARLY VEGETATIVE, (3)

REF NO 3-01-435

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	22.9	100.0	2
ORGANIC MATTER	%	20.5	89.4	
ASH	%	2.4	10.7	2
CRUDE FIBER	%	5.5	24.0	2
ETHER EXTRACT	%	1.0	4.2	2
NITROGEN FREE EXTRACT	%	10.2	44.5	2
PROTEIN	%	3.8	16.8	2
CATTLE	DIG PROT % *	2.6	11.5	
GOATS	DIG PROT % *	2.6	11.5	
HORSES	DIG PROT % *	2.6	11.5	
SHEEP	DIG PROT % *	2.6	11.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.61	2.68	
SHEEP	DE MCAL/KG *	0.66	2.87	
CATTLE	ME MCAL/KG *	0.50	2.20	
SHEEP	ME MCAL/KG *	0.54	2.35	
CATTLE	NE-M MCAL/KG *	0.30	1.30	
CATTLE	NE-GAIN MCAL/KG *	0.16	0.69	
CATTLE	NE-LACTATION MCAL/KG *	0.32	1.38	
CATTLE	TDN % *	13.9	60.8	
SHEEP	TDN % *	14.9	65.0	

TRIFOLIUM REPENS, CLOVER, LADINO OREGON

TRIFOLIUM REPENS LADINO OREGON, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-171

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.3	
ASH	%		12.7	1
CRUDE FIBER	%		25.8	1
ETHER EXTRACT	%		3.7	1
NITROGEN FREE EXTRACT	%		37.5	1
PROTEIN	%		20.3	1
CATTLE	DIG PROT % *		15.1	
GOATS	DIG PROT % *		15.5	
HORSES	DIG PROT % *		14.7	
RABBITS	DIG PROT % *		14.3	
SHEEP	DIG PROT % *		15.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.60	
SHEEP	DE MCAL/KG *		2.81	
CATTLE	ME MCAL/KG *		2.14	
SHEEP	ME MCAL/KG *		2.30	
CATTLE	NE-M MCAL/KG *		1.26	
CATTLE	NE-GAIN MCAL/KG *		0.63	
CATTLE	NE-LACTATION MCAL/KG *		1.32	
CATTLE	TDN % *		59.1	
SHEEP	TDN % *		63.7	

TRIFOLIUM REPENS LADINO OREGON, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-172

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		86.5	
ASH	%		13.5	1
CRUDE FIBER	%		26.6	1
ETHER EXTRACT	%		2.8	1
NITROGEN FREE EXTRACT	%		36.3	1
PROTEIN	%		20.8	1
CATTLE	DIG PROT % *		15.6	
GOATS	DIG PROT % *		16.0	
HORSES	DIG PROT % *		15.2	
RABBITS	DIG PROT % *		14.7	
SHEEP	DIG PROT % *		16.4	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.55	
SHEEP	DE MCAL/KG *		2.72	
CATTLE	ME MCAL/KG *		2.09	
SHEEP	ME MCAL/KG *		2.23	
CATTLE	NE-M MCAL/KG *		1.24	
CATTLE	NE-GAIN MCAL/KG *		0.58	
CATTLE	NE-LACTATION MCAL/KG *		1.28	
CATTLE	TDN % *		57.9	
SHEEP	TDN % *		61.7	

TRIFOLIUM REPENS, CLOVER, LADINO WISCONSIN

TRIFOLIUM REPENS LADINO WISCONSIN, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-163

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		86.6	
ASH	%		13.4	1
CRUDE FIBER	%		24.5	1
ETHER EXTRACT	%		2.3	1
NITROGEN FREE EXTRACT	%		40.0	1
PROTEIN	%		19.9	1
CATTLE	DIG PROT % *		14.8	
GOATS	DIG PROT % *		15.1	
HORSES	DIG PROT % *		14.4	
RABBITS	DIG PROT % *		14.0	
SHEEP	DIG PROT % *		15.5	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.64	
SHEEP	DE MCAL/KG *		2.71	
CATTLE	ME MCAL/KG *		2.17	
SHEEP	ME MCAL/KG *		2.23	
CATTLE	NE-M MCAL/KG *		1.28	
CATTLE	NE-GAIN MCAL/KG *		0.65	
CATTLE	NE-LACTATION MCAL/KG *		1.35	
CATTLE	TDN % *		59.9	
SHEEP	TDN % *		61.6	

TRIFOLIUM REPENS LADINO WISCONSIN, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)

REF NO 2-10-164

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.3	
ASH	%		12.7	1
CRUDE FIBER	%		22.9	1
ETHER EXTRACT	%		2.4	1
NITROGEN FREE EXTRACT	%		41.8	1
PROTEIN	%		20.2	1
CATTLE	DIG PROT % *		15.1	
GOATS	DIG PROT % *		15.4	
HORSES	DIG PROT % *		14.7	
RABBITS	DIG PROT % *		14.3	
SHEEP	DIG PROT % *		15.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		2.71	
SHEEP	DE MCAL/KG *		2.77	
CATTLE	ME MCAL/KG *		2.22	
SHEEP	ME MCAL/KG *		2.27	
CATTLE	NE-M MCAL/KG *		1.32	
CATTLE	NE-GAIN MCAL/KG *		0.71	
CATTLE	NE-LACTATION MCAL/KG *		1.40	
CATTLE	TDN % *		61.5	
SHEEP	TDN % *		62.9	

TRIFOLIUM REPENS, CLOVER, LADINO

TRIFOLIUM REPENS LADINO, HAY, S-C GRND, (1)

REF NO 1-09-746

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		89.8	
ASH	%		10.2	1
CRUDE FIBER	%		16.3	1
ETHER EXTRACT	%		5.4	1
NITROGEN FREE EXTRACT	%		49.9	1
PROTEIN	%		18.1	1
CATTLE	DIG PROT % *		12.6	
GOATS	DIG PROT % *		13.4	
HORSES	DIG PROT % *		12.9	
RABBITS	DIG PROT % *		12.6	
SHEEP	DIG PROT % *		12.8	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.12	
HORSES	DE MCAL/KG *		1.17	
SHEEP	DE MCAL/KG *		3.02	
CATTLE	ME MCAL/KG *		2.56	
HORSES	ME MCAL/KG *		0.96	
SHEEP	ME MCAL/KG *		2.48	
CATTLE	NE-M MCAL/KG *		1.57	
CATTLE	NE-GAIN MCAL/KG *		1.00	
CATTLE	NE-LACTATION MCAL/KG *		1.72	
CATTLE	TDN % *		70.8	
HORSES	TDN % *		27.5	
SHEEP	TDN % *		68.5	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM REPENS LADINO, AERIAL PART, FRESH, (2)					
REF NO 2-01-383					
DRY MATTER		%	17.0	100.0	1
ORGANIC MATTER		%	13.6	79.9	
ASH		%	3.4	20.1	3
CRUDE FIBER		%	2.8	16.4	3
ETHER EXTRACT		%	0.6	3.2	3
NITROGEN FREE EXTRACT		%	6.3	36.8	3
PROTEIN		%	4.0	23.5	3
CATTLE	DIG PROT	% *	3.0	17.6	
GOATS	DIG PROT	% *	3.1	18.5	
HORSES	DIG PROT	% *	3.0	17.5	
RABBITS	DIG PROT	% *	2.9	16.8	
SHEEP	DIG PROT	% *	3.2	18.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.36	2.10	
SHEEP	DE	MCAL/KG *	0.46	2.72	
CATTLE	ME	MCAL/KG *	0.29	1.72	
SHEEP	ME	MCAL/KG *	0.38	2.23	
CATTLE	NE-M	MCAL/KG *	0.17	1.02	
CATTLE	NE-GAIN	MCAL/KG *	0.03	0.18	
CATTLE	NE-LACTATION	MCAL/KG *	0.16	0.93	
CATTLE	TDN	% *	8.1	47.7	
SHEEP	TDN	% *	10.5	61.6	
CALCIUM		%	0.18	1.03	2
COPPER		MG/KG	23.7	139.2	1
IRON		%	0.016	0.093	2
MAGNESIUM		%	0.07	0.40	1
MANGANESE		MG/KG	26.9	158.1	1
PHOSPHORUS		%	0.06	0.35	1
ACID INSOLUBLE ASH (SILICA)		%	0.85	5.00	1

TRIFOLIUM REPENS, CLOVER, WHITE ALOLU

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM REPENS WHITE ALOLU, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-173					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.0	
ASH		%		13.0	1
CRUDE FIBER		%		23.6	1
ETHER EXTRACT		%		2.2	1
NITROGEN FREE EXTRACT		%		43.1	1
PROTEIN		%		18.1	1
CATTLE	DIG PROT	% *		13.3	
GOATS	DIG PROT	% *		13.4	
HORSES	DIG PROT	% *		12.9	
RABBITS	DIG PROT	% *		12.6	
SHEEP	DIG PROT	% *		13.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.69	
SHEEP	DE	MCAL/KG *		2.73	
CATTLE	ME	MCAL/KG *		2.21	
SHEEP	ME	MCAL/KG *		2.24	
CATTLE	NE-M	MCAL/KG *		1.31	
CATTLE	NE-GAIN	MCAL/KG *		0.69	
CATTLE	NE-LACTATION	MCAL/KG *		1.39	
CATTLE	TDN	% *		61.0	
SHEEP	TDN	% *		61.9	
TRIFOLIUM REPENS WHITE ALOLU, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-174					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		88.8	
ASH		%		11.2	1
CRUDE FIBER		%		25.6	1
ETHER EXTRACT		%		2.3	1
NITROGEN FREE EXTRACT		%		42.5	1
PROTEIN		%		18.4	1
CATTLE	DIG PROT	% *		13.6	
GOATS	DIG PROT	% *		13.7	
HORSES	DIG PROT	% *		13.2	
RABBITS	DIG PROT	% *		12.9	
SHEEP	DIG PROT	% *		14.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.74	
SHEEP	DE	MCAL/KG *		2.76	
CATTLE	ME	MCAL/KG *		2.25	
SHEEP	ME	MCAL/KG *		2.26	
CATTLE	NE-M	MCAL/KG *		1.34	
CATTLE	NE-GAIN	MCAL/KG *		0.73	
CATTLE	NE-LACTATION	MCAL/KG *		1.43	
CATTLE	TDN	% *		62.2	
SHEEP	TDN	% *		62.5	

TRIFOLIUM REPENS, CLOVER, WHITE IDAHO

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM REPENS WHITE IDAHO, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-167					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		86.6	
ASH		%		13.2	
CRUDE FIBER		%		22.6	
ETHER EXTRACT		%		1.7	
NITROGEN FREE EXTRACT		%		41.7	
PROTEIN		%		19.6	
CATTLE	DIG PROT	% *		14.6	
GOATS	DIG PROT	% *		14.9	
HORSES	DIG PROT	% *		14.2	
RABBITS	DIG PROT	% *		13.8	
SHEEP	DIG PROT	% *		15.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.70	
SHEEP	DE	MCAL/KG *		2.77	
CATTLE	ME	MCAL/KG *		2.21	
SHEEP	ME	MCAL/KG *		2.27	
CATTLE	NE-M	MCAL/KG *		1.31	
CATTLE	NE-GAIN	MCAL/KG *		0.70	
CATTLE	NE-LACTATION	MCAL/KG *		1.39	
CATTLE	TDN	% *		61.2	
SHEEP	TDN	% *		62.9	
TRIFOLIUM REPENS WHITE IDAHO, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-166					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		85.5	
ASH		%		14.5	1
CRUDE FIBER		%		22.9	1
ETHER EXTRACT		%		1.8	1
NITROGEN FREE EXTRACT		%		40.5	1
PROTEIN		%		20.3	1
CATTLE	DIG PROT	% *		15.1	
GOATS	DIG PROT	% *		15.5	
HORSES	DIG PROT	% *		14.7	
RABBITS	DIG PROT	% *		14.3	
SHEEP	DIG PROT	% *		15.9	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.62	
SHEEP	DE	MCAL/KG *		2.69	
CATTLE	ME	MCAL/KG *		2.15	
SHEEP	ME	MCAL/KG *		2.20	
CATTLE	NE-M	MCAL/KG *		1.27	
CATTLE	NE-GAIN	MCAL/KG *		0.64	
CATTLE	NE-LACTATION	MCAL/KG *		1.33	
CATTLE	TDN	% *		59.4	
SHEEP	TDN	% *		60.9	

TRIFOLIUM REPENS, CLOVER, WHITE LOUISIANA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
TRIFOLIUM REPENS WHITE LOUISIANA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-169					
DRY MATTER		%		100.0	
ORGANIC MATTER		%		87.1	
ASH		%		12.9	1
CRUDE FIBER		%		20.0	1
ETHER EXTRACT		%		3.1	1
NITROGEN FREE EXTRACT		%		42.1	1
PROTEIN		%		22.0	1
CATTLE	DIG PROT	% *		16.6	
GOATS	DIG PROT	% *		17.1	
HORSES	DIG PROT	% *		16.2	
RABBITS	DIG PROT	% *		15.6	
SHEEP	DIG PROT	% *		17.5	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.80	
SHEEP	DE	MCAL/KG *		2.88	
CATTLE	ME	MCAL/KG *		2.30	
SHEEP	ME	MCAL/KG *		2.36	
CATTLE	NE-M	MCAL/KG *		1.37	
CATTLE	NE-GAIN	MCAL/KG *		0.78	
CATTLE	NE-LACTATION	MCAL/KG *		1.47	
CATTLE	TDN	% *		63.6	
SHEEP	TDN	% *		65.3	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS WHITE LOUISIANA, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)						
REF NO 2-10-170						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.4		
ASH		%		13.6		1
CRUDE FIBER		%		29.1		1
ETHER EXTRACT		%		2.5		1
NITROGEN FREE EXTRACT		%		36.3		1
PROTEIN		%		18.5		1
CATTLE	DIG PROT	% *		13.6		
GOATS	DIG PROT	% *		13.8		
HORSES	DIG PROT	% *		13.2		
RABBITS	DIG PROT	% *		12.9		
SHEEP	DIG PROT	% *		14.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.46		
SHEEP	DE	MCAL/KG *		2.59		
CATTLE	ME	MCAL/KG *		2.00		
SHEEP	ME	MCAL/KG *		2.12		
CATTLE	NE-M	MCAL/KG *		1.18		
CATTLE	NE-GAIN	MCAL/KG *		0.49		
CATTLE	NE-LACTATION	MCAL/KG *		1.19		
CATTLE	TDN	% *		55.3		
SHEEP	TDN	% *		58.7		

TRIFOLIUM REPENS, CLOVER, WHITE NULIN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS WHITE NOLIN, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)						
REF NO 2-10-165						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.2		
ASH		%		12.8		1
CRUDE FIBER		%		32.1		1
ETHER EXTRACT		%		3.4		1
NITROGEN FREE EXTRACT		%		31.4		1
PROTEIN		%		20.3		1
CATTLE	DIG PROT	% *		15.1		
GOATS	DIG PROT	% *		15.5		
HORSES	DIG PROT	% *		14.8		
RABBITS	DIG PROT	% *		14.3		
SHEEP	DIG PROT	% *		15.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.74		
SHEEP	ME	MCAL/KG *		2.25		
SHEEP	TDN	% *		62.1		
TRIFOLIUM REPENS WHITE NOLIN, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)						
REF NO 2-10-166						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.1		
ASH		%		16.9		1
CRUDE FIBER		%		24.8		1
ETHER EXTRACT		%		2.3		1
NITROGEN FREE EXTRACT		%		38.0		1
PROTEIN		%		18.0		1
CATTLE	DIG PROT	% *		13.2		
GOATS	DIG PROT	% *		13.4		
HORSES	DIG PROT	% *		12.8		
RABBITS	DIG PROT	% *		12.6		
SHEEP	DIG PROT	% *		13.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.43		
SHEEP	DE	MCAL/KG *		2.59		
CATTLE	ME	MCAL/KG *		1.99		
SHEEP	ME	MCAL/KG *		2.12		
CATTLE	NE-M	MCAL/KG *		1.18		
CATTLE	NE-GAIN	MCAL/KG *		0.48		
CATTLE	NE-LACTATION	MCAL/KG *		1.18		
CATTLE	TDN	% *		55.2		
SHEEP	TDN	% *		58.8		

TRIFOLIUM REPENS, CLOVER, WHITE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS WHITE, HAY, S-C, (1)						
REF NO 1-01-464						
DRY MATTER		%	93.3	100.0	1	17
ORGANIC MATTER		%	83.8	89.9	8	17
ASH		%	9.5	10.1	8	17
CRUDE FIBER		%	20.5	21.9	40	17
ETHER EXTRACT		%	1.3	1.4	43	15
NITROGEN FREE EXTRACT		%	38.9	41.7	17	15
PROTEIN		%	23.1	24.8	13	17
CATTLE	DIG PROT	% *	17.1	18.4		
GOATS	DIG PROT	% *	18.3	19.7		
HORSES	DIG PROT	% *	17.2	18.4		
RABBITS	DIG PROT	% *	16.4	17.8		
SHEEP	DIG PROT	% *	17.5	18.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.80	3.00		
HORSES	DE	MCAL/KG *	2.26	2.42		
SHEEP	DE	MCAL/KG *	2.65	2.84		
CATTLE	ME	MCAL/KG *	2.29	2.46		
HORSES	ME	MCAL/KG *	1.85	1.98		
SHEEP	ME	MCAL/KG *	2.17	2.33		
CATTLE	NE-M	MCAL/KG *	1.39	1.49		
CATTLE	NE-GAIN	MCAL/KG *	0.85	0.91		
CATTLE	NE-LACTATION	MCAL/KG *	1.52	1.62		
CATTLE	TDN	% *	63.4	68.0		
HORSES	TDN	% *	57.4	61.5		
SHEEP	TDN	% *	60.1	64.4		
CALCIUM		%	1.34	1.43	25	17
COBALT		MG/KG	0.067	0.072	63	15
COPPER		MG/KG	11.8	12.7	40	17
IRON		%	0.028	0.030	65	17
MAGNESIUM		%	0.29	0.32	18	17
MANGANESE		MG/KG	76.7	82.2	25	17
MOLYBDENUM		MG/KG	3.02	3.24	39	13
PHOSPHORUS		%	0.43	0.46	41	16
POTASSIUM		%	2.10	2.25	30	16
SODIUM		%	0.21	0.23	76	17
ZINC		MG/KG	19.2	20.6	45	17
TRIFOLIUM REPENS WHITE, HAY, S-C, 15 TO 28 DAYS' GROWTH, (1)						
REF NO 1-10-872						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.3		
ASH		%		9.7		1
CRUDE FIBER		%		26.3		1
ETHER EXTRACT		%		6.6		1
NITROGEN FREE EXTRACT		%		35.1		1
PROTEIN		%		26.3		1
CATTLE	DIG PROT	% *		19.7		
GOATS	DIG PROT	% *		21.1		
HORSES	DIG PROT	% *		19.9		
RABBITS	DIG PROT	% *		19.0		
SHEEP	DIG PROT	% *		20.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.74		
SHEEP	DE	MCAL/KG *		2.82		
CATTLE	ME	MCAL/KG *		2.25		
SHEEP	ME	MCAL/KG *		2.31		
CATTLE	NE-M	MCAL/KG *		1.34		
CATTLE	NE-GAIN	MCAL/KG *		0.73		
CATTLE	NE-LACTATION	MCAL/KG *		1.43		
CATTLE	TDN	% *		62.2		
SHEEP	TDN	% *		63.9		
TRIFOLIUM REPENS WHITE, HAY, S-C, 29 TO 42 DAYS' GROWTH, (1)						
REF NO 1-10-870						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.3		
ASH		%		10.7		2
CRUDE FIBER		%		23.4		2
ETHER EXTRACT		%		4.7		2
NITROGEN FREE EXTRACT		%		49.4		2
PROTEIN		%		11.7		2
CATTLE	DIG PROT	% *		7.1		
GOATS	DIG PROT	% *		7.5		
HORSES	DIG PROT	% *		7.5		
RABBITS	DIG PROT	% *		7.7		
SHEEP	DIG PROT	% *		7.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.70		
HORSES	DE	MCAL/KG *		1.96		
SHEEP	DE	MCAL/KG *		2.57		
CATTLE	ME	MCAL/KG *		2.22		
HORSES	ME	MCAL/KG *		1.61		
SHEEP	ME	MCAL/KG *		2.11		
CATTLE	NE-M	MCAL/KG *		1.32		
CATTLE	NE-GAIN	MCAL/KG *		0.70		
CATTLE	NE-LACTATION	MCAL/KG *		1.40		
CATTLE	TDN	% *		61.3		
HORSES	TDN	% *		49.0		
SHEEP	TDN	% *		58.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS WHITE, HAY, 8-6, 43 TO 54 DAYS' GROWTH, (1)						
REF NO 1-10-869						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.2		
ASH		%		10.8		1
CRUDE FIBER		%		21.5		1
ETHER EXTRACT		%		5.4		1
NITROGEN FREE EXTRACT		%		50.7		1
PROTEIN		%		11.6		1
CATTLE	DIG PROT	% *		7.8		
GOATS	DIG PROT	% *		7.4		
HORSES	DIG PROT	% *		7.4		
RABBITS	DIG PROT	% *		7.6		
SHEEP	DIG PROT	% *		7.8		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *		2.79		
HORSES	DE	MCAL/KG *		1.94		
SHEEP	DE	MCAL/KG *		2.66		
CATTLE	ME	MCAL/KG *		2.29		
HORSES	ME	MCAL/KG *		1.59		
SHEEP	ME	MCAL/KG *		2.18		
CATTLE	NE-M	MCAL/KG *		1.37		
CATTLE	NE-GAIN	MCAL/KG *		0.77		
CATTLE	NE-LACTATION	MCAL/KG *		1.67		
CATTLE		TDN % *		63.3		
HORSES		TDN % *		40.4		
SHEEP		TDN % *		60.2		
TRIFOLIUM REPENS WHITE, HAY, 8-6, EARLY VEGETATIVE, (1)						
REF NO 1-01-459						
DRY MATTER		%	93.1	100.0		1
ORGANIC MATTER		%	83.8	89.1		1
ASH		%	10.1	10.9		1
CRUDE FIBER		%	19.6	21.1		1
ETHER EXTRACT		%	0.7	0.8		1
NITROGEN FREE EXTRACT		%	38.6	41.5		1
PROTEIN		%	23.9	25.7		1
CATTLE	DIG PROT	% *	17.9	19.2		
GOATS	DIG PROT	% *	19.1	20.5		
HORSES	DIG PROT	% *	18.0	19.3		
RABBITS	DIG PROT	% *	17.2	18.5		
SHEEP	DIG PROT	% *	18.3	19.6		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	2.78	2.99		
HORSES	DE	MCAL/KG *	2.39	2.57		
SHEEP	DE	MCAL/KG *	2.66	2.85		
CATTLE	ME	MCAL/KG *	2.28	2.45		
HORSES	ME	MCAL/KG *	1.96	2.11		
SHEEP	ME	MCAL/KG *	2.18	2.34		
CATTLE	NE-M	MCAL/KG *	1.38	1.48		
CATTLE	NE-GAIN	MCAL/KG *	0.85	0.91		
CATTLE	NE-LACTATION	MCAL/KG *	1.51	1.62		
CATTLE		TDN % *	63.1	67.7		
HORSES		TDN % *	61.2	65.7		
SHEEP		TDN % *	60.3	64.7		
CALCIUM		%	1.22	1.31		1
COBALT		MG/KG	0.093	0.100		1
COPPER		MG/KG	16.8	18.0		1
IRON		%	0.093	0.100		1
MAGNESIUM		%	0.44	0.47		1
MANGANESE		MG/KG	64.1	68.9		1
MOLYBDENUM		MG/KG	7.02	7.54		1
PHOSPHORUS		%	0.33	0.35		1
POTASSIUM		%	2.79	3.00		1
SODIUM		%	0.31	0.33		1
ZINC		MG/KG	23.4	25.1		1
TRIFOLIUM REPENS WHITE, HAY, 8-6, FULL BLOOM, (1)						
REF NO 1-01-461						
DRY MATTER		%	92.6	100.0		1
ORGANIC MATTER		%	82.3	88.7		1
ASH		%	10.5	11.3		1
CRUDE FIBER		%	27.8	30.0		1
ETHER EXTRACT		%	0.8	0.9		1
NITROGEN FREE EXTRACT		%	32.4	34.9		1
PROTEIN		%	21.3	22.9		1
CATTLE	DIG PROT	% *	15.6	16.8		
GOATS	DIG PROT	% *	16.6	17.9		
HORSES	DIG PROT	% *	15.8	17.0		
RABBITS	DIG PROT	% *	15.2	16.3		
SHEEP	DIG PROT	% *	15.9	17.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.42	2.61		
SHEEP	DE	MCAL/KG *	2.41	2.60		
CATTLE	ME	MCAL/KG *	1.99	2.14		
SHEEP	ME	MCAL/KG *	1.96	2.13		
CATTLE	NE-M	MCAL/KG *	1.17	1.27		
CATTLE	NE-GAIN	MCAL/KG *	0.58	0.63		
CATTLE	NE-LACTATION	MCAL/KG *	1.23	1.32		
CATTLE		TDN % *	54.9	59.2		
SHEEP		TDN % *	54.8	59.0		
CALCIUM		%	1.54	1.66		1
COBALT		MG/KG	0.046	0.050		1
COPPER		MG/KG	9.9	10.7		1
IRON		%	0.037	0.040		1
MAGNESIUM		%	0.51	0.55		1
MANGANESE		MG/KG	39.9	43.0		1
MOLYBDENUM		MG/KG	6.31	6.80		1
PHOSPHORUS		%	0.37	0.40		1
POTASSIUM		%	2.48	2.67		1
SODIUM		%	0.49	0.53		1
ZINC		MG/KG	28.7	30.9		1
TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, (2)						
REF NO 2-01-468						
DRY MATTER		%	20.6	100.0		3
ORGANIC MATTER		%	17.5	84.9		
ASH		%	3.1	15.1	42	8
CRUDE FIBER		%	3.4	16.5	36	8
ETHER EXTRACT		%	0.7	3.2	33	8
NITROGEN FREE EXTRACT		%	8.9	43.5	6	8
PROTEIN		%	4.5	21.7	10	8
CATTLE	DIG PROT	% *	3.4	16.3		
GOATS	DIG PROT	% *	3.5	16.8		
HORSES	DIG PROT	% *	3.3	15.9		
RABBITS	DIG PROT	% *	3.4	[illegible]		
SHEEP	DIG PROT	% *	3.5	17.2		
ENERGY	GE	MCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.76		
SHEEP	DE	MCAL/KG *	0.6[illegible]	2.89		
CATTLE	ME	MCAL/KG *	0.47	2.27		
SHEEP	ME	MCAL/KG *	0.49	2.37		
CATTLE	NE-M	MCAL/KG *	0.28	1.35		
CATTLE	NE-GAIN	MCAL/KG *	0.15	0.75		
CATTLE	NE-LACTATION	MCAL/KG *	0.30	1.44		
CATTLE		TDN % *	12.9	62.7		
SHEEP		TDN % *	13.5	65.4		
CALCIUM		%	0.21	1.00	84	6
COPPER		MG/KG	5.8	28.3	65	5
IRON		%	0.026	0.127		3
MAGNESIUM		%	0.08	0.40		3
MANGANESE		MG/KG	21.5	104.6	21	5
MOLYBDENUM		MG/KG	0.53	2.56		2
PHOSPHORUS		%	0.07	0.36	5	6
ACID INSOLUBLE ASH (SILICA)		%	1.75	8.50		1
ZINC		MG/KG	5.3	25.8		2
TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 1 TO 14 DAYS' GROWTH, (2)						
REF NO 2-13-148						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		79.		2
PROTEIN		%		21.0		1
CATTLE	DIG PROT	% *		15.7		
GOATS	DIG PROT	% *		16.2		
HORSES	DIG PROT	% *		15.4		
RABBITS	DIG PROT	% *		16.9		
SHEEP	DIG PROT	% *		16.4		
CELL WALLS (VAN SOEST)		%		29.4		2
CELLULOSE (VAN SOEST)		%		14.1		1
FIBER, ACID DETERGENT (VS)		%		21.3		1
HEMICELLULOSE		%		11.3		1
LIGNIN KMNO4 (VS)		%		5.6		1
CALCIUM		%		1.74		1
COPPER		MG/KG		19.6		1
MAGNESIUM		%		0.46		1
MANGANESE		MG/KG		28.6		1
PHOSPHORUS		%		0.35		1
ZINC		MG/KG		28.4		1
TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)						
REF NO 2-13-150						
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		79.	13	4
PROTEIN		%		17.5	13	4
CATTLE	DIG PROT	% *		12.7		
GOATS	DIG PROT	% *		12.8		
HORSES	DIG PROT	% *		12.3		
RABBITS	DIG PROT	% *		12.1		
SHEEP	DIG PROT	% *		13.3		
CELL WALLS (VAN SOEST)		%		32.6	5	4
CELLULOSE (VAN SOEST)		%		14.4	7	4
FIBER, ACID DETERGENT (VS)		%		21.9	5	4
HEMICELLULOSE		%		10.6	16	4
LIGNIN KMNO4 (VS)		%		7.2	10	4
CALCIUM		%		1.88	4	4

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
COBALT		MG/KG		0.337	44	4
COPPER		MG/KG		23.2	24	4
MAGNESIUM		%		0.61	6	4
MANGANESE		MG/KG		28.9		3
PHOSPHORUS		%		0.36	18	4
ZINC		MG/KG		30.7		3

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-13-152

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		73.	16	4
PROTEIN		%		15.2	15	4
CATTLE	DIG PROT	%	*	10.0		
GOATS	DIG PROT	%	*	10.6		
HORSES	DIG PROT	%	*	10.5		
RABBITS	DIG PROT	%	*	10.4		
SHEEP	DIG PROT	%	*	11.2		
CELL WALLS (VAN SOEST)		%		33.6	5	5
CELLULOSE (VAN SOEST)		%		15.5	6	4
FIBER, ACID DETERGENT (VS)		%		23.6	7	4
HEMICELLULOSE		%		9.8	30	4
LIGNIN KHNO4 (VS)		%		7.6	6	4
CALCIUM		%		1.75	7	4
COBALT		MG/KG		0.259	32	4
COPPER		MG/KG		33.0	60	4
MAGNESIUM		%		0.63	11	4
MANGANESE		MG/KG		31.4	14	4
PHOSPHORUS		%		0.29	24	4
ZINC		MG/KG		29.1	8	4

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 43 TO 55 DAYS' GROWTH, (2)

REF NO 2-13-154

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		80.	4	6
PROTEIN		%		12.9	22	6
CATTLE	DIG PROT	%	*	8.8		
GOATS	DIG PROT	%	*	8.5		
HORSES	DIG PROT	%	*	8.4		
RABBITS	DIG PROT	%	*	8.6		
SHEEP	DIG PROT	%	*	9.8		
CELL WALLS (VAN SOEST)		%		31.2	8	4
CELLULOSE (VAN SOEST)		%		17.2	10	4
FIBER, ACID DETERGENT (VS)		%		25.0	8	4
HEMICELLULOSE		%		6.2	14	4
LIGNIN KHNO4 (VS)		%		7.5	4	4
CALCIUM		%		1.65	7	4
COBALT		MG/KG		0.257	45	4
COPPER		MG/KG		27.0	46	4
MAGNESIUM		%		0.75		3
MANGANESE		MG/KG		29.2	11	4
PHOSPHORUS		%		0.31	14	4
ZINC		MG/KG		25.0	8	4

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-13-156

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		74.	16	4
PROTEIN		%		14.2	11	4
CATTLE	DIG PROT	%	*	9.9		
GOATS	DIG PROT	%	*	9.6		
HORSES	DIG PROT	%	*	9.5		
RABBITS	DIG PROT	%	*	9.6		
SHEEP	DIG PROT	%	*	10.2		
CELL WALLS (VAN SOEST)		%		32.6	6	4
CELLULOSE (VAN SOEST)		%		16.1	1	4
FIBER, ACID DETERGENT (VS)		%		26.1	4	4
HEMICELLULOSE		%		6.5	40	4
LIGNIN KHNO4 (VS)		%		7.2	4	4
CALCIUM		%		1.92	3	4
COBALT		MG/KG		0.317	35	4
COPPER		MG/KG		33.6	59	4
MAGNESIUM		%		0.61	5	4
MANGANESE		MG/KG		29.9	14	4
PHOSPHORUS		%		0.33	14	4
ZINC		MG/KG		27.9	12	4

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-13-158

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		70.	10	4
PROTEIN		%		13.6	33	4
CATTLE	DIG PROT	%	*	9.3		
GOATS	DIG PROT	%	*	9.0		
HORSES	DIG PROT	%	*	8.9		
RABBITS	DIG PROT	%	*	9.0		
SHEEP	DIG PROT	%	*	9.5		
CELL WALLS (VAN SOEST)		%		33.6	3	4
CELLULOSE (VAN SOEST)		%		17.2	7	4
FIBER, ACID DETERGENT (VS)		%		25.2	4	4
HEMICELLULOSE		%		8.5	12	4
LIGNIN KHNO4 (VS)		%		7.2	13	4
CALCIUM		%		1.94	7	4
COBALT		MG/KG		0.320	36	4
COPPER		MG/KG		23.5	50	4
MAGNESIUM		%		0.67	12	4
MANGANESE		MG/KG		29.2	9	4
PHOSPHORUS		%		0.33	5	4
ZINC		MG/KG		27.5	14	4

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-13-160

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		65.		3
ORGANIC MATTER		%		99.6		
ASH		%		0.4		1
PROTEIN		%		16.2		3
CATTLE	DIG PROT	%	*	10.1		
GOATS	DIG PROT	%	*	9.8		
HORSES	DIG PROT	%	*	9.6		
RABBITS	DIG PROT	%	*	9.7		
SHEEP	DIG PROT	%	*	10.3		
CELL WALLS (VAN SOEST)		%		32.6		3
CELLULOSE (VAN SOEST)		%		17.6		3
FIBER, ACID DETERGENT (VS)		%		34.8		3
HEMICELLULOSE		%		7.9		3
LIGNIN KHNO4 (VS)		%		8.1		3
CALCIUM		%		1.94		3
COBALT		MG/KG		0.276		3
COPPER		MG/KG		30.3		3
MAGNESIUM		%		0.85		3
MANGANESE		MG/KG		27.9		3
PHOSPHORUS		%		0.30		3
ZINC		MG/KG		26.5		3

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-161

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
DM IN VITRO (TILLY)	DIG COEF	%		67.		1
PROTEIN		%		7.3		1
CATTLE	DIG PROT	%	*	6.1		
GOATS	DIG PROT	%	*	3.4		
HORSES	DIG PROT	%	*	3.7		
RABBITS	DIG PROT	%	*	6.3		
SHEEP	DIG PROT	%	*	3.0		
CELL WALLS (VAN SOEST)		%		35.6		1
CELLULOSE (VAN SOEST)		%		18.4		1
FIBER, ACID DETERGENT (VS)		%		27.9		1
HEMICELLULOSE		%		7.7		1
LIGNIN KHNO4 (VS)		%		9.4		1
CALCIUM		%		1.69		1
COBALT		MG/KG		0.232		1
COPPER		MG/KG		31.4		1
MAGNESIUM		%		0.86		1
MANGANESE		MG/KG		29.7		1
PHOSPHORUS		%		0.26		1
ZINC		MG/KG		26.9		1

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-024

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.9	100.0	25	5
DM IN VITRO (TILLY)	DIG COEF	%	64.	64.		3
PROTEIN		%	5.8	21.6	17	6
CATTLE	DIG PROT	%	4.4	16.3		
GOATS	DIG PROT	%	4.5	16.7		
HORSES	DIG PROT	%	4.3	15.9		
RABBITS	DIG PROT	%	4.1	15.3		
SHEEP	DIG PROT	%	4.6	17.1		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-025

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.7	100.0	16	4
DM IN VITRO (TILLY)	DIG COEF	%	70.	70.	7	4
PROTEIN		%	5.0	21.0	15	4
CATTLE	DIG PROT	%	3.7	15.8		
GOATS	DIG PROT	%	3.8	16.2		
HORSES	DIG PROT	%	3.6	15.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *	3.5	14.9		
SHEEP	DIG PROT	% *	3.9	16.4		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 2, (2)

REF NO 2-13-026

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	23.2	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	73.	73.		2
PROTEIN		%	4.9	21.2		2
CATTLE	DIG PROT	% *	3.7	15.9		
GOATS	DIG PROT	% *	3.8	16.3		
HORSES	DIG PROT	% *	3.6	15.5		
RABBITS	DIG PROT	% *	3.5	15.0		
SHEEP	DIG PROT	% *	3.9	16.7		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, LATE VEGETATIVE, CUT 3, (2)

REF NO 2-13-027

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.8	100.0		3
DM IN VITRO (TILLY)	DIG COEF	%	66.	66.		3
PROTEIN		%	5.0	22.0		3
CATTLE	DIG PROT	% *	3.8	16.6		
GOATS	DIG PROT	% *	3.9	17.1		
HORSES	DIG PROT	% *	3.7	16.2		
RABBITS	DIG PROT	% *	3.6	15.6		
SHEEP	DIG PROT	% *	4.0	17.5		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-09-935

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		86.7		
ASH		%		13.3	4	4
CRUDE FIBER		%		25.1	1	4
ETHER EXTRACT		%		2.6	17	4
NITROGEN FREE EXTRACT		%		39.6	1	4
PROTEIN		%		19.8	1	4
CATTLE	DIG PROT	% *		14.7		
GOATS	DIG PROT	% *		15.8		
HORSES	DIG PROT	% *		14.4		
RABBITS	DIG PROT	% *		14.0		
SHEEP	DIG PROT	% *		15.5		
ENERGY		GE KCAL/KG				
CATTLE	DE	KCAL/KG *		2.63		
SHEEP	DE	KCAL/KG *		2.71		
CATTLE	ME	KCAL/KG *		2.16		
SHEEP	ME	KCAL/KG *		2.23		
CATTLE	NE-M	KCAL/KG *		1.26		
CATTLE	NE-GAIN	KCAL/KG *		0.63		
CATTLE	NE-LACTATION	KCAL/KG *		1.34		
CATTLE		TDN % *		59.6		
SHEEP		TDN % *		61.6		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH, FULL BLOOM, CUT 1, (2)

REF NO 2-09-936

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		87.1		
ASH		%		12.9		1
CRUDE FIBER		%		25.1		1
ETHER EXTRACT		%		2.6		1
NITROGEN FREE EXTRACT		%		40.5		1
PROTEIN		%		19.0		1
CATTLE	DIG PROT	% *		14.0		
GOATS	DIG PROT	% *		14.2		
HORSES	DIG PROT	% *		13.6		
RABBITS	DIG PROT	% *		13.3		
SHEEP	DIG PROT	% *		14.7		
ENERGY		GE KCAL/KG				
CATTLE	DE	KCAL/KG *		2.65		
SHEEP	DE	KCAL/KG *		2.73		
CATTLE	ME	KCAL/KG *		2.17		
SHEEP	ME	KCAL/KG *		2.24		
CATTLE	NE-M	KCAL/KG *		1.29		
CATTLE	NE-GAIN	KCAL/KG *		0.66		
CATTLE	NE-LACTATION	KCAL/KG *		1.35		
CATTLE		TDN % *		60.1		
SHEEP		TDN % *		61.6		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)

REF NO 2-13-029

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.7	100.0		3
PROTEIN		%	4.5	19.6		3
CATTLE	DIG PROT	% *	3.3	14.6		
GOATS	DIG PROT	% *	3.4	14.9		
HORSES	DIG PROT	% *	3.2	14.2		
RABBITS	DIG PROT	% *	3.1	13.6		
SHEEP	DIG PROT	% *	3.5	15.3		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 2, (2)

REF NO 2-13-028

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	19.4	100.0	31	4
DM IN VITRO (TILLY)	DIG COEF	%	72.	72.		2
PROTEIN		%	4.6	23.9	8	4
CATTLE	DIG PROT	% *	3.5	18.2		
GOATS	DIG PROT	% *	3.7	18.9		
HORSES	DIG PROT	% *	3.5	17.8		
RABBITS	DIG PROT	% *	3.3	17.1		
SHEEP	DIG PROT	% *	3.7	19.3		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 3, (2)

REF NO 2-13-030

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	26.6	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	74.	74.		1
PROTEIN		%	7.4	27.7		1
CATTLE	DIG PROT	% *	5.7	21.6		
GOATS	DIG PROT	% *	6.0	22.4		
HORSES	DIG PROT	% *	5.6	21.0		
RABBITS	DIG PROT	% *	5.3	20.1		
SHEEP	DIG PROT	% *	6.1	22.8		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 7, (2)

REF NO 2-13-031

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.2	100.0		1
PROTEIN		%	4.6	21.6		1
CATTLE	DIG PROT	% *	3.6	16.6		
GOATS	DIG PROT	% *	3.6	16.9		
HORSES	DIG PROT	% *	3.4	16.0		
RABBITS	DIG PROT	% *	3.4	15.5		
SHEEP	DIG PROT	% *	3.8	17.3		

TRIFOLIUM REPENS WHITE, AERIAL PART, FRESH FERTILIZED, CUT 3, (2)

REF NO 2-13-032

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.0	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	70.	70.		1
PROTEIN		%	6.1	26.7		1
CATTLE	DIG PROT	% *	4.7	20.6		
GOATS	DIG PROT	% *	4.9	21.5		
HORSES	DIG PROT	% *	4.6	20.2		
RABBITS	DIG PROT	% *	4.4	19.3		
SHEEP	DIG PROT	% *	5.0	21.9		

TRIFOLIUM REPENS WHITE, AERIAL PART, ENSILED, EARLY VEGETATIVE, (3)

REF NO 3-01-469

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	28.2	100.0		6
ORGANIC MATTER		%	18.8	66.7		6
ASH		%	9.4	33.3		6
SHEEP	DIG COEF	%	80.	80.		
PROTEIN		%	4.4	15.6		6
CATTLE	DIG PROT	% *	2.9	10.4		
GOATS	DIG PROT	% *	2.9	10.4		
HORSES	DIG PROT	% *	2.9	10.4		
SHEEP	DIG PROT	% *	2.9	10.4		
PH	PH UNITS		5.19	5.19		6

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS WHITE, AERIAL PART, WILTED ENSILED, EARLY VEGETATIVE, (3)						
REF NO 3-13-109						
DRY MATTER		%	41.3	100.0		3
ORGANIC MATTER		%	33.7	81.6		3
ASH		%	7.6	18.4		3
SHEEP	DIG COEF	%	33.	33.		
PROTEIN		%	7.5	18.2		3
CATTLE	DIG PROT	% *	5.3	12.8		
GOATS	DIG PROT	% *	5.3	12.8		
HORSES	DIG PROT	% *	5.3	12.8		
SHEEP	DIG PROT	% *	5.3	12.8		
PH	PH UNITS		5.67	5.67		3
TRIFOLIUM REPENS WHITE, AERIAL PART MOLASSES ADDED, ENSILED, EARLY VEGETATIVE, (3)						
REF NO 3-13-110						
DRY MATTER		%	29.2	100.0		6
ORGANIC MATTER		%	22.5	77.1		6
ASH		%	6.7	22.9		6
SHEEP	DIG COEF	%	28.	28.		
PROTEIN		%	4.8	16.6		6
CATTLE	DIG PROT	% *	3.3	11.3		
GOATS	DIG PROT	% *	3.3	11.3		
HORSES	DIG PROT	% *	3.3	11.3		
SHEEP	DIG PROT	% *	3.3	11.3		
PH	PH UNITS		4.95	4.95		6
TRIFOLIUM REPENS WHITE, AERIAL PART W MOLASSES ADDED, WILTED ENSILED, EARLY VEGETATIVE, (3)						
REF NO 3-13-108						
DRY MATTER		%	40.5	100.0	1	9
ORGANIC MATTER		%	33.4	82.5	3	9
ASH		%	7.1	17.5	2	9
SHEEP	DIG COEF	%	35.	35.		
PROTEIN		%	7.3	18.0		9
CATTLE	DIG PROT	% *	5.1	12.6		
GOATS	DIG PROT	% *	5.1	12.6		
HORSES	DIG PROT	% *	5.1	12.6		
SHEEP	DIG PROT	% *	5.1	12.6		
PH	PH UNITS		5.15	5.15	5	9
TRIFOLIUM REPENS, DACTYLIS GLOMERATA, CLOVER, WHITE-ORCHARDGRASS						
TRIFOLIUM REPENS, DACTYLIS GLOMERATA, AERIAL PART, FRESH, EARLY VEGETATIVE, 90% CLOVER, (2)						
REF NO 3-11-931						
DRY MATTER		%		100.0		
PROTEIN		%		13.7		1
CATTLE	DIG PROT	% *		9.5		
GOATS	DIG PROT	% *		9.3		
HORSES	DIG PROT	% *		9.2		
RABBITS	DIG PROT	% *		9.2		
SHEEP	DIG PROT	% *		9.8		
TRIFOLIUM REPENS, FESTUCA ARUNDINACEA, CLOVER, WHITE-FESCUE, ALTA						
TRIFOLIUM REPENS, FESTUCA ARUNDINACEA, HAY, S-C, FULL BLOOM-DOUGH STAGE, (1)						
REF NO 1-13-107						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		88.7	4	16
ASH		%		11.3	4	16
SHEEP	DIG COEF	%		34.		
TRIFOLIUM REPENS, LOLIUM PERENNE, DACTYLIS GLOMERATA, CLOVER, WHITE-RYEGRASS, PERENNIAL-ORCHARDGRASS						

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS, LOLIUM PERENNE, DACTYLIS GLOMERATA, AERIAL PART, FRESH, EARLY VEGETATIVE, 70% CLOVER 20% RYEGRASS, (2)						
REF NO 2-11-935						
DRY MATTER		%		100.0		
PROTEIN		%		13.3		1
CATTLE	DIG PROT	% *		9.2		
GOATS	DIG PROT	% *		9.0		
HORSES	DIG PROT	% *		8.8		
RABBITS	DIG PROT	% *		8.9		
SHEEP	DIG PROT	% *		9.4		
TRIFOLIUM REPENS, LOLIUM PERENNE, DACTYLIS GLOMERATA, AERIAL PART, FRESH, MIDBLOOM, 80% CLOVER 15% RYEGRASS, (2)						
REF NO 2-11-936						
DRY MATTER		%		100.0		
PROTEIN		%		14.5		1
CATTLE	DIG PROT	% *		10.2		
GOATS	DIG PROT	% *		10.1		
HORSES	DIG PROT	% *		9.8		
RABBITS	DIG PROT	% *		9.9		
SHEEP	DIG PROT	% *		10.5		
TRIFOLIUM REPENS, TRIFOLIUM FRAGIFERUM, CLOVER, WHITE-CLOVER, STRAWBERRY						
TRIFOLIUM REPENS, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY VEGETATIVE, CUT 1, (2)						
REF NO 2-12-000						
DRY MATTER		%	19.6	100.0		1
PROTEIN		%	4.6	23.3		1
CATTLE	DIG PROT	% *	3.5	17.7		
GOATS	DIG PROT	% *	3.6	18.3		
HORSES	DIG PROT	% *	3.4	17.3		
RABBITS	DIG PROT	% *	3.3	16.7		
SHEEP	DIG PROT	% *	3.7	18.7		
TRIFOLIUM REPENS, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 1, (2)						
REF NO 3-13-983						
DRY MATTER		%	20.7	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	76.	76.		1
PROTEIN		%	6.3	30.6		1
CATTLE	DIG PROT	% *	4.9	23.9		
GOATS	DIG PROT	% *	5.2	25.1		
HORSES	DIG PROT	% *	4.9	23.5		
RABBITS	DIG PROT	% *	4.6	22.3		
SHEEP	DIG PROT	% *	5.3	25.5		
TRIFOLIUM REPENS, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, LATE VEGETATIVE, CUT 2, (2)						
REF NO 3-13-984						
DRY MATTER		%	22.1	100.0		2
DM IN VITRO (TILLY)	DIG COEF	%	80.	80.		1
PROTEIN		%	6.7	30.4		2
CATTLE	DIG PROT	% *	5.2	23.7		
GOATS	DIG PROT	% *	5.5	24.9		
HORSES	DIG PROT	% *	5.1	23.3		
RABBITS	DIG PROT	% *	4.9	23.1		
SHEEP	DIG PROT	% *	5.6	25.3		
TRIFOLIUM REPENS, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)						
REF NO 3-13-986						
DRY MATTER		%	12.2	100.0		1
PROTEIN		%	3.2	26.6		1
CATTLE	DIG PROT	% *	2.5	20.5		
GOATS	DIG PROT	% *	2.6	21.4		
HORSES	DIG PROT	% *	2.5	20.1		
RABBITS	DIG PROT	% *	2.3	19.2		
SHEEP	DIG PROT	% *	2.7	21.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRIFOLIUM REPENS, TRIFOLIUM FRAGIFERUM, AERIAL PART, FRESH FERTILIZED, REGROWTH EARLY VEGETATIVE, (2)					
REF NO 2-13-087					
DRY MATTER	%	18.0	100.0		2
DM IN VITRO (TILLY) DIG COEF	%	70.	70.		2

TRIFOLIUM SPP, CLOVER

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRIFOLIUM SPP, HAY, 5-C, (1)					
REF NO 1-01-276					
DRY MATTER	%	89.8	100.0		1
ORGANIC MATTER	%	79.0	88.0		
ASH	%	10.8	12.0		1
CRUDE FIBER	%	17.3	19.3		1
ETHER EXTRACT	%	2.6	2.9		1
NITROGEN FREE EXTRACT	%	36.7	40.9		1
PROTEIN	%	22.4	24.9		1
CATTLE DIG PROT	% *	16.7	18.5		
GOATS DIG PROT	% *	17.8	19.8		
HORSES DIG PROT	% *	16.8	18.7		
RABBITS DIG PROT	% *	16.1	17.9		
SHEEP DIG PROT	% *	17.0	18.9		
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *	2.81	3.13		
HORSES DE	MCAL/KG *	1.77	1.97		
SHEEP DE	MCAL/KG *	2.61	2.91		
CATTLE ME	MCAL/KG *	2.30	2.57		
HORSES ME	MCAL/KG *	1.45	1.62		
SHEEP ME	MCAL/KG *	2.14	2.38		
CATTLE NE-M	MCAL/KG *	1.41	1.57		
CATTLE NE-GAIN	MCAL/KG *	0.90	1.00		
CATTLE NE-LACTATION	MCAL/KG *	1.55	1.73		
CATTLE TDN	% *	63.7	71.0		
HORSES TDN	% *	44.3	49.4		
SHEEP TDN	% *	59.2	65.9		
TRIFOLIUM SPP, AERIAL PART, FRESH, (2)					
REF NO 2-01-299					
DRY MATTER	%	18.8	100.0		1
ORGANIC MATTER	%	17.6	93.6		
ASH	%	1.2	6.4		1
CRUDE FIBER	%	2.9	15.8		2
ETHER EXTRACT	%	0.5	2.8		1
NITROGEN FREE EXTRACT	%	11.6	61.7		1
PROTEIN	%	2.5	13.3		2
CATTLE DIG PROT	% *	1.7	9.2		
GOATS DIG PROT	% *	1.7	8.9		
HORSES DIG PROT	% *	1.7	8.8		
RABBITS DIG PROT	% *	1.7	8.9		
SHEEP DIG PROT	% *	1.8	9.4		
ENERGY GE	MCAL/KG				
CATTLE DE	MCAL/KG *	0.76	4.05		
SHEEP DE	MCAL/KG *	0.61	3.25		
CATTLE ME	MCAL/KG *	0.62	3.32		
SHEEP ME	MCAL/KG *	0.50	2.67		
CATTLE NE-M	MCAL/KG *	0.43	2.31		
CATTLE NE-GAIN	MCAL/KG *	0.28	1.49		
CATTLE NE-LACTATION	MCAL/KG *	0.46	2.44		
CATTLE TDN	% *	17.3	91.8		
SHEEP TDN	% *	13.9	73.7		
CALCIUM	%	0.32	1.70		1
PHOSPHORUS	%	0.06	0.32		1
TRIFOLIUM SPP, AERIAL PART, ENSILED, (3)					
REF NO 3-01-305					
DRY MATTER	%	21.7	100.0		1
ORGANIC MATTER	%	19.7	91.0		
ASH	%	2.0	9.0		1
CRUDE FIBER	%	4.1	20.0		1
ETHER EXTRACT	%	2.1	9.8		1
NITROGEN FREE EXTRACT	%	8.0	37.0		1
PROTEIN	%	3.5	16.2		1
CATTLE DIG COEF	%	63.	63.		1
CATTLE DIG PROT	%	2.2	10.2		
GOATS DIG PROT	% *	2.4	10.9		
HORSES DIG PROT	% *	2.4	10.9		
SHEEP DIG PROT	% *	2.4	10.9		
ENERGY GE	KCAL/KG	988.	4593.		1
CATTLE DL DIG COEF	%	66.	66.		1
CATTLE DE	MCAL/KG	0.65	3.00		1
SHEEP DE	MCAL/KG *	0.58	2.67		
CATTLE ME	MCAL/KG *	0.53	2.46		
SHEEP ME	MCAL/KG *	0.48	2.19		
CATTLE NE-M	MCAL/KG *	0.32	1.49		
CATTLE NE-GAIN	MCAL/KG *	0.20	0.92		
CATTLE NE-LACTATION	MCAL/KG *	0.35	1.63		
CATTLE	TDN %	14.8	68.0		1
SHEEP	TDN % *	13.1	60.6		
PH	PH UNITS	3.80	3.80		1
TRIFOLIUM SPP, AERIAL PART, WILTED ENSILED, (3)					
REF NO 3-10-121					
DRY MATTER	%	31.4	100.0		1
ORGANIC MATTER	%	28.4	90.3		
ASH	%	3.0	9.7		1
CRUDE FIBER	%	7.4	23.6		1
ETHER EXTRACT	%	2.4	7.6		1
NITROGEN FREE EXTRACT	%	12.8	40.8		1
PROTEIN	%	5.7	18.3		1
CATTLE DIG COEF	%	53.	53.		1
CATTLE DIG PROT	%	3.0	9.7		
GOATS DIG PROT	% *	4.0	12.8		
HORSES DIG PROT	% *	4.0	12.8		
SHEEP DIG PROT	% *	4.0	12.8		
ENERGY GE	KCAL/KG	1430.	4553.		1
CATTLE GE DIG COEF	%	62.	62.		1
CATTLE DE	MCAL/KG	0.87	2.82		1
SHEEP DE	MCAL/KG *	0.90	2.88		
CATTLE ME	MCAL/KG *	0.72	2.31		
SHEEP ME	MCAL/KG *	0.74	2.36		
CATTLE NE-M	MCAL/KG *	0.43	1.38		
CATTLE NE-GAIN	MCAL/KG *	0.25	0.79		
CATTLE NE-LACTATION	MCAL/KG *	0.47	1.49		
CATTLE TDN	%	19.9	63.4		1
SHEEP TDN	% *	20.5	65.3		
PH	PH UNITS	3.80	3.80		1
TRIFOLIUM SUBTERRANEUM, CLOVER, SUBTERRANEAN BACCHUS MARSH					
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN BACCHUS MARSH, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-146					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.5		
ASH	%		13.5		1
CRUDE FIBER	%		29.6		1
ETHER EXTRACT	%		2.2		1
NITROGEN FREE EXTRACT	%		38.8		1
PROTEIN	%		19.9		1
CATTLE DIG PROT	% *		11.4		
GOATS DIG PROT	% *		11.6		
HORSES DIG PROT	% *		11.8		
RABBITS DIG PROT	% *		11.8		
SHEEP DIG PROT	% *		11.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.54		
SHEEP DE	MCAL/KG *		2.59		
CATTLE ME	MCAL/KG *		2.09		
SHEEP ME	MCAL/KG *		2.12		
CATTLE NE-M	MCAL/KG *		1.23		
CATTLE NE-GAIN	MCAL/KG *		0.58		
CATTLE NE-LACTATION	MCAL/KG *		1.27		
CATTLE TDN	% *		57.7		
SHEEP TDN	% *		58.7		
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN BACCHUS MARSH, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-147					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.7		
ASH	%		12.3		1
CRUDE FIBER	%		29.2		1
ETHER EXTRACT	%		1.8		1
NITROGEN FREE EXTRACT	%		37.9		1
PROTEIN	%		18.8		1
CATTLE DIG PROT	% *		13.0		
GOATS DIG PROT	% *		14.1		
HORSES DIG PROT	% *		13.5		
RABBITS DIG PROT	% *		13.2		
SHEEP DIG PROT	% *		14.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.68		
SHEEP DE	MCAL/KG *		2.63		
CATTLE ME	MCAL/KG *		2.20		
SHEEP ME	MCAL/KG *		2.16		
CATTLE NE-M	MCAL/KG *		1.30		
CATTLE NE-GAIN	MCAL/KG *		0.69		
CATTLE NE-LACTATION	MCAL/KG *		1.35		
CATTLE TDN	% *		60.8		
SHEEP TDN	% *		59.8		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRIFOLIUM SUBTERRANEUM, CLOVER, SUBTERRANEAN MOUNT BARKER					
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN MOUNT BARKER, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-144					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.3		
ASH	%		11.7		1
CRUDE FIBER	%		27.6		1
ETHER EXTRACT	%		3.5		1
NITROGEN FREE EXTRACT	%		40.7		1
PROTEIN	%		16.5		1
CATTLE	DIG PROT %	*	11.9		
GOATS	DIG PROT %	*	12.0		
HORSES	DIG PROT %	*	11.6		
RABBITS	DIG PROT %	*	11.4		
SHEEP	DIG PROT %	*	12.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	2.66		
SHEEP	DE MCAL/KG	*	2.74		
CATTLE	ME MCAL/KG	*	2.16		
SHEEP	ME MCAL/KG	*	2.25		
CATTLE	NE-M MCAL/KG	*	1.29		
CATTLE	NE-GAIN MCAL/KG	*	0.67		
CATTLE	NE-LACTATION MCAL/KG	*	1.36		
CATTLE	TDN %	*	60.4		
SHEEP	TDN %	*	62.2		
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN MOUNT BARKER, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-145					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		86.0		
ASH	%		13.2		1
CRUDE FIBER	%		32.7		1
ETHER EXTRACT	%		2.6		1
NITROGEN FREE EXTRACT	%		32.2		1
PROTEIN	%		19.3		1
CATTLE	DIG PROT %	*	14.3		
GOATS	DIG PROT %	*	14.5		
HORSES	DIG PROT %	*	13.9		
RABBITS	DIG PROT %	*	13.5		
SHEEP	DIG PROT %	*	14.9		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	2.65		
SHEEP	ME MCAL/KG	*	2.17		
SHEEP	TDN %	*	60.0		
TRIFOLIUM SUBTERRANEUM, CLOVER, SUBTERRANEAN WANGEELA					
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN WANGEELA, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-146					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		79.7		
ASH	%		20.3		1
CRUDE FIBER	%		23.9		1
ETHER EXTRACT	%		3.7		1
NITROGEN FREE EXTRACT	%		29.3		1
PROTEIN	%		22.8		1
CATTLE	DIG PROT %	*	17.3		
GOATS	DIG PROT %	*	17.9		
HORSES	DIG PROT %	*	16.9		
RABBITS	DIG PROT %	*	16.3		
SHEEP	DIG PROT %	*	18.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	2.65		
SHEEP	ME MCAL/KG	*	2.17		
SHEEP	TDN %	*	60.1		
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN WANGEELA, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-149					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.8		
ASH	%		12.2		1
CRUDE FIBER	%		16.5		1
ETHER EXTRACT	%		3.5		1
NITROGEN FREE EXTRACT	%		40.3		1
PROTEIN	%		21.2		1
CATTLE	DIG PROT %	*	15.9		
GOATS	DIG PROT %	*	16.3		
HORSES	DIG PROT %	*	15.5		
RABBITS	DIG PROT %	*	15.0		
SHEEP	DIG PROT %	*	16.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	3.17		
SHEEP	DE MCAL/KG	*	3.01		
CATTLE	ME MCAL/KG	*	2.60		
SHEEP	ME MCAL/KG	*	2.47		
CATTLE	NE-M MCAL/KG	*	1.69		
CATTLE	NE-GAIN MCAL/KG	*	1.03		
CATTLE	NE-LACTATION MCAL/KG	*	1.76		
CATTLE	TDN %	*	72.0		
SHEEP	TDN %	*	68.3		
TRIFOLIUM SUBTERRANEUM, CLOVER, SUBTERRANEAN TALLAROOK					
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN TALLAROOK, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-150					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.2		
ASH	%		11.8		2
CRUDE FIBER	%		25.8		2
ETHER EXTRACT	%		2.8		2
NITROGEN FREE EXTRACT	%		40.0		2
PROTEIN	%		19.5		2
CATTLE	DIG PROT %	*	14.5		
GOATS	DIG PROT %	*	14.0		
HORSES	DIG PROT %	*	14.1		
RABBITS	DIG PROT %	*	13.8		
SHEEP	DIG PROT %	*	15.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	2.70		
SHEEP	DE MCAL/KG	*	2.77		
CATTLE	ME MCAL/KG	*	2.21		
SHEEP	ME MCAL/KG	*	2.27		
CATTLE	NE-M MCAL/KG	*	1.31		
CATTLE	NE-GAIN MCAL/KG	*	0.70		
CATTLE	NE-LACTATION MCAL/KG	*	1.39		
CATTLE	TDN %	*	61.2		
SHEEP	TDN %	*	62.7		
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN TALLAROOK, AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, CUT 1, (2)					
REF NO 2-10-151					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.0		
ASH	%		13.0		2
CRUDE FIBER	%		25.3		2
ETHER EXTRACT	%		3.5		2
NITROGEN FREE EXTRACT	%		37.1		2
PROTEIN	%		21.0		2
CATTLE	DIG PROT %	*	15.7		
GOATS	DIG PROT %	*	16.1		
HORSES	DIG PROT %	*	15.3		
RABBITS	DIG PROT %	*	14.9		
SHEEP	DIG PROT %	*	16.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	2.58		
SHEEP	DE MCAL/KG	*	2.81		
CATTLE	ME MCAL/KG	*	2.11		
SHEEP	ME MCAL/KG	*	2.30		
CATTLE	NE-M MCAL/KG	*	1.25		
CATTLE	NE-GAIN MCAL/KG	*	0.61		
CATTLE	NE-LACTATION MCAL/KG	*	1.30		
CATTLE	TDN %	*	58.6		
SHEEP	TDN %	*	63.6		
TRIFOLIUM SUBTERRANEUM, CLOVER, SUBTERRANEAN					
TRIFOLIUM SUBTERRANEUM SUBTERRANEAN, AERIAL PART, FRESH, EARLY BLOOM, (2)					
REF NO 2-09-933					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		87.0		
ASH	%		13.0	5	4
CRUDE FIBER	%		26.2	2	4
ETHER EXTRACT	%		2.6	19	4
NITROGEN FREE EXTRACT	%		39.0	1	4
PROTEIN	%		19.2	4	4
CATTLE	DIG PROT %	*	14.2		
GOATS	DIG PROT %	*	14.5		
HORSES	DIG PROT %	*	13.0		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT % *		13.5		
SHEEP	DIG PROT % *		14.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.61		
SHEEP	DE MCAL/KG *		2.71		
CATTLE	ME MCAL/KG *		2.14		
SHEEP	ME MCAL/KG *		2.22		
CATTLE	NE-M MCAL/KG *		1.27		
CATTLE	NE-GAIN MCAL/KG *		0.63		
CATTLE	NE-LACTATION MCAL/KG *		1.32		
CATTLE	TDN % *		59.3		
SHEEP	TDN % *		61.4		

TRIFOLIUM SUBTERRANEUM SUBTERRANEAN, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)

REF NO 2-09-934

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.1		
ASH	%		11.9		1
CRUDE FIBER	%		26.2		1
ETHER EXTRACT	%		3.2		1
NITROGEN FREE EXTRACT	%		41.1		1
PROTEIN	%		17.6		1
CATTLE	DIG PROT % *		12.6		
GOATS	DIG PROT % *		13.0		
HORSES	DIG PROT % *		12.5		
RABBITS	DIG PROT % *		12.3		
SHEEP	DIG PROT % *		13.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.70		
SHEEP	DE MCAL/KG *		2.76		
CATTLE	ME MCAL/KG *		2.21		
SHEEP	ME MCAL/KG *		2.26		
CATTLE	NE-M MCAL/KG *		1.31		
CATTLE	NE-GAIN MCAL/KG *		0.70		
CATTLE	NE-LACTATION MCAL/KG *		1.39		
CATTLE	TDN % *		61.2		
SHEEP	TDN % *		62.6		

TRIPSACUM DACTYLOIDES, GAMAGRASS, EASTERN

TRIPSACUM DACTYLOIDES EASTERN, AERIAL PART, FRESH, (2)

REF NO 2-02-085

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	23.2	100.0	15	4
PROTEIN	%	1.3	5.4	21	4
CATTLE	DIG PROT % *	0.6	2.5		
GOATS	DIG PROT % *	0.4	1.6		
HORSES	DIG PROT % *	0.5	2.2		
RABBITS	DIG PROT % *	0.7	2.9		
SHEEP	DIG PROT % *	0.5	2.1		

TRIPSACUM FASCICULATUM, GAMAGRASS, FASCICULATUM

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, (2)

REF NO 2-11-921

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.6		
ASH	%		4.4		1
CRUDE FIBER	%		31.8		1
ETHER EXTRACT	%		4.8		1
NITROGEN FREE EXTRACT	%		55.6		1
PROTEIN	%		3.8		1
CATTLE	DIG PROT % *		1.1		
GOATS	DIG PROT % *		0.1		
HORSES	DIG PROT % *		0.8		
RABBITS	DIG PROT % *		1.6		
SHEEP	DIG PROT % *		0.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.40		
SHEEP	DE MCAL/KG *		2.53		
CATTLE	ME MCAL/KG *		2.79		
SHEEP	ME MCAL/KG *		2.08		
CATTLE	NE-M MCAL/KG *		1.70		
CATTLE	NE-GAIN MCAL/KG *		1.17		
CATTLE	NE-LACTATION MCAL/KG *		1.94		
CATTLE	TDN % *		77.2		
SHEEP	TDN % *		57.5		

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-914

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	11.6	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	83.	83.		1
CELLULOSE (CRAMPTON)	%	4.3	36.7		1

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-11-915

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.9	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	77.	77.		1
CELLULOSE (CRAMPTON)	%	8.1	35.6		1

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-11-916

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	24.9	100.0		1
DM IN VITRO (TILLY) DIG COEF	%	73.	73.		1
CELLULOSE (CRAMPTON)	%	9.3	37.2		1

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)

REF NO 2-11-919

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
PROTEIN	%		2.6		1
CATTLE	DIG PROT % *		0.1		
GOATS	DIG PROT % *		-1.0		
HORSES	DIG PROT % *		-0.3		
RABBITS	DIG PROT % *		0.7		
SHEEP	DIG PROT % *		-0.6		

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, 351 TO 364 DAYS' GROWTH, (2)

REF NO 2-11-920

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
PROTEIN	%		1.4		1
CATTLE	DIG PROT % *		-0.9		
GOATS	DIG PROT % *		-2.1		
HORSES	DIG PROT % *		-1.3		
RABBITS	DIG PROT % *		-0.2		
SHEEP	DIG PROT % *		-1.7		

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-11-999

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.6		
ASH	%		7.4		1
CRUDE FIBER	%		67.5		1
ETHER EXTRACT	%		3.9		1
NITROGEN FREE EXTRACT	%		18.6		1
PROTEIN	%		2.6		1
CATTLE	DIG PROT % *		0.1		
GOATS	DIG PROT % *		-1.0		
HORSES	DIG PROT % *		-0.3		
RABBITS	DIG PROT % *		0.7		
SHEEP	DIG PROT % *		-0.6		

TRIPSACUM FASCICULATUM FASCICULATUM, AERIAL PART, ENSILED, EARLY VEGETATIVE, (3)

REF NO 3-11-923

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		95.0		
ASH	%		5.0		1
CRUDE FIBER	%		64.1		1
ETHER EXTRACT	%		3.5		1
NITROGEN FREE EXTRACT	%		17.9		1
PROTEIN	%		9.5		1
CATTLE	DIG PROT % *		4.9		
GOATS	DIG PROT % *		4.9		
HORSES	DIG PROT % *		4.9		
SHEEP	DIG PROT % *		4.9		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRIPSACUM LAXUM, GAMAGRASS, GUATEMALA					
TRIPSACUM LAXUM GUATEMALA, MAY, S-C, (1)					
REF NO 1-02-088					
DRY MATTER	%	89.8	100.0	1	11
ORGANIC MATTER	%	79.4	88.3	15	1
ASH	%	13.1	14.6	15	12
CRUDE FIBER	%	29.9	33.3	10	12
ETHER EXTRACT	%	1.7	1.9	36	12
NITROGEN FREE EXTRACT	%	30.2	33.6	11	12
PROTEIN	%	14.9	16.6	23	12
CATTLE DIG PROT	% *	10.2	11.3		
GOATS DIG PROT	% *	10.9	12.1		
HORSES DIG PROT	% *	10.5	11.7		
RABBITS DIG PROT	% *	10.3	11.5		
SHEEP DIG PROT	% *	10.3	11.5		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	2.01	2.24		
SHEEP DE	MCAL/KG *	2.06	2.29		
CATTLE ME	MCAL/KG *	1.65	1.84		
SHEEP ME	MCAL/KG *	1.69	1.88		
CATTLE NE-M	MCAL/KG *	0.98	1.09		
CATTLE NE-GAIN	MCAL/KG *	0.28	0.31		
CATTLE NE-LACTATION	MCAL/KG *	0.93	1.04		
CATTLE TDN	% *	45.7	50.9		
SHEEP TDN	% *	46.6	51.9		
TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, (2)					
REF NO 2-02-091					
DRY MATTER	%	32.6	100.0	69	9
ORGANIC MATTER	%	(29.6)	(90.6)	20	4
ASH	%	(2.6)	(8.0)	20	13
CRUDE FIBER	%	(11.7)	(35.8)	12	15
ETHER EXTRACT	%	(0.8)	(2.4)	39	13
NITROGEN FREE EXTRACT	%	(15.3)	(46.9)	15	11
PROTEIN	%	(2.3)	(7.0)	29	15
CATTLE DIG PROT	% *	(1.2)	(3.8)		
GOATS DIG PROT	% *	(1.0)	(3.0)		
HORSES DIG PROT	% *	(1.1)	(3.4)		
RABBITS DIG PROT	% *	(1.3)	(4.0)		
SHEEP DIG PROT	% *	(1.1)	(3.5)		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	(0.73)	(2.23)		
SHEEP DE	MCAL/KG *	(0.82)	(2.51)		
CATTLE ME	MCAL/KG *	(0.60)	(1.83)		
SHEEP ME	MCAL/KG *	(0.67)	(2.06)		
CATTLE NE-M	MCAL/KG *	(0.35)	(1.08)		
CATTLE NE-GAIN	MCAL/KG *	(0.10)	(0.30)		
CATTLE NE-LACTATION	MCAL/KG *	(0.33)	(1.02)		
CATTLE TDN	% *	(16.5)	(50.5)		
SHEEP TDN	% *	18.6	56.9		
CALCIUM	%	0.02	0.06	94	6
COPPER	MG/KG	7.1	21.8		1
IRON	%	0.002	0.007	40	5
MAGNESIUM	%	0.07	0.22		1
MANGANESE	MG/KG	7.8	24.0		1
PHOSPHORUS	%	(0.04)	(0.12)	59	5
VITAMIN A EQUIV	IU/G	2.7	8.2		
TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)					
REF NO 2-10-028					
DRY MATTER	%	15.8	100.0	4	8
ORGANIC MATTER	%	14.0	88.3	9	8
ASH	%	1.8	11.7	9	6
CRUDE FIBER	%	5.0	31.3	7	8
ETHER EXTRACT	%	0.6	3.7	32	6
NITROGEN FREE EXTRACT	%	6.4	40.5	12	6
PROTEIN	%	2.0	12.8	30	6
CATTLE DIG PROT	% *	1.4	8.8		
GOATS DIG PROT	% *	1.3	8.5		
HORSES DIG PROT	% *	1.3	8.4		
RABBITS DIG PROT	% *	1.4	8.6		
SHEEP DIG PROT	% *	1.4	8.9		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.39	2.48		
SHEEP DE	MCAL/KG *	0.42	2.64		
CATTLE ME	MCAL/KG *	0.32	2.03		
SHEEP ME	MCAL/KG *	0.34	2.16		
CATTLE NE-M	MCAL/KG *	0.19	1.20		
CATTLE NE-GAIN	MCAL/KG *	0.08	0.52		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.22		
CATTLE TDN	% *	8.9	56.3		
SHEEP TDN	% *	9.5	59.9		
TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)					
REF NO 2-10-041					
DRY MATTER	%	17.2	100.0	15	9
ORGANIC MATTER	%	15.2	87.6	8	9
ASH	%	2.1	12.4	8	9
CRUDE FIBER	%	5.8	33.5	8	9
ETHER EXTRACT	%	0.5	2.7	21	9
NITROGEN FREE EXTRACT	%	7.0	40.2	8	9
PROTEIN	%	1.9	11.1	15	9
CATTLE DIG PROT	% *	1.3	7.4		
GOATS DIG PROT	% *	1.2	7.0		
HORSES DIG PROT	% *	1.2	7.0		
RABBITS DIG PROT	% *	1.3	7.3		
SHEEP DIG PROT	% *	1.3	7.4		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.40	2.32		
SHEEP DE	MCAL/KG *	0.44	2.53		
CATTLE ME	MCAL/KG *	0.33	1.90		
SHEEP ME	MCAL/KG *	0.36	2.08		
CATTLE NE-M	MCAL/KG *	0.19	1.12		
CATTLE NE-GAIN	MCAL/KG *	0.07	0.38		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.10		
CATTLE TDN	% *	9.1	52.8		
SHEEP TDN	% *	10.0	57.4		
TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, 43 TO 56 DAYS' GROWTH, (2)					
REF NO 2-09-791					
DRY MATTER	%	18.2	100.0	9	9
ORGANIC MATTER	%	16.0	87.9	9	9
ASH	%	2.2	12.1	9	9
CRUDE FIBER	%	6.2	33.9	10	9
ETHER EXTRACT	%	0.6	3.0	24	9
NITROGEN FREE EXTRACT	%	7.7	42.2	6	9
PROTEIN	%	1.6	8.8	28	9
CATTLE DIG PROT	% *	1.0	5.3		
GOATS DIG PROT	% *	0.9	4.7		
HORSES DIG PROT	% *	0.9	5.0		
RABBITS DIG PROT	% *	1.0	5.4		
SHEEP DIG PROT	% *	0.9	5.1		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.41	2.24		
SHEEP DE	MCAL/KG *	0.46	2.50		
CATTLE ME	MCAL/KG *	0.34	1.84		
SHEEP ME	MCAL/KG *	0.37	2.05		
CATTLE NE-M	MCAL/KG *	0.20	1.09		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.31		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.04		
CATTLE TDN	% *	9.3	50.8		
SHEEP TDN	% *	10.3	56.8		
TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)					
REF NO 2-17-666					
DRY MATTER	%	25.5	100.0	22	6
ORGANIC MATTER	%	22.6	88.6		
ASH	%	2.9	11.4	11	6
CRUDE FIBER	%	7.2	28.3	11	6
PROTEIN	%	1.6	6.4	21	6
CATTLE DIG PROT	% *	0.8	3.3		
GOATS DIG PROT	% *	0.6	2.5		
HORSES DIG PROT	% *	0.8	2.9		
RABBITS DIG PROT	% *	0.9	3.6		
SHEEP DIG PROT	% *	0.7	2.9		
TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, 169 TO 182 DAYS' GROWTH, (2)					
REF NO 2-09-792					
DRY MATTER	%	16.0	100.0		1
ORGANIC MATTER	%	14.0	87.5		1
ASH	%	2.0	12.5		1
CRUDE FIBER	%	5.4	33.9		1
ETHER EXTRACT	%	0.4	2.4		1
NITROGEN FREE EXTRACT	%	6.8	42.8		1
PROTEIN	%	1.3	8.4		1
CATTLE DIG PROT	% *	0.8	5.1		
GOATS DIG PROT	% *	0.7	4.4		
HORSES DIG PROT	% *	0.7	4.7		
RABBITS DIG PROT	% *	0.8	5.2		
SHEEP DIG PROT	% *	0.8	4.6		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.36	2.26		
SHEEP DE	MCAL/KG *	0.39	2.47		
CATTLE ME	MCAL/KG *	0.30	1.86		
SHEEP ME	MCAL/KG *	0.32	2.02		
CATTLE NE-M	MCAL/KG *	0.16	1.10		
CATTLE NE-GAIN	MCAL/KG *	0.05	0.33		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
CATTLE	NE-LACTATION	MCAL/KG *	0.17	1.05	
CATTLE		TDN % *	8.2	51.4	
SHEEP		TDN % *	9.0	56.6	

TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, EARLY VEGETATIVE, (2)

REF NO 2-09-593

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	17.5	100.0	3
ORGANIC MATTER		%	15.6	89.2	
ASH		%	1.9	10.8	3
CRUDE FIBER		%	6.1	34.5	3
ETHER EXTRACT		%	0.2	1.1	3
NITROGEN FREE EXTRACT		%	8.4	48.0	3
PROTEIN		%	1.0	5.5	3
CATTLE	DIG PROT	% *	0.5	2.6	
GOATS	DIG PROT	% *	0.3	1.7	
HORSES	DIG PROT	% *	0.4	2.2	
RABBITS	DIG PROT	% *	0.5	2.9	
SHEEP	DIG PROT	% *	0.4	2.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.42	2.40	
SHEEP	DE	MCAL/KG *	0.42	2.39	
CATTLE	ME	MCAL/KG *	0.35	1.97	
SHEEP	ME	MCAL/KG *	0.34	1.96	
CATTLE	NE-M	MCAL/KG *	0.20	1.16	
CATTLE	NE-GAIN	MCAL/KG *	0.08	0.46	
CATTLE	NE-LACTATION	MCAL/KG *	0.20	1.16	
CATTLE		TDN % *	9.5	54.4	
SHEEP		TDN % *	9.5	54.1	
CALCIUM		%	0.06	0.34	1
MAGNESIUM		%	0.01	0.06	1
PHOSPHORUS		%	0.04	0.22	1

TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, LATE VEGETATIVE, (2)

REF NO 2-10-247

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	19.3	100.0	3
ORGANIC MATTER		%	17.2	89.4	
ASH		%	2.0	10.6	3
CRUDE FIBER		%	6.4	33.3	3
ETHER EXTRACT		%	0.3	1.5	3
NITROGEN FREE EXTRACT		%	7.9	40.9	3
PROTEIN		%	2.6	13.7	3
CATTLE	DIG PROT	% *	1.8	9.5	
GOATS	DIG PROT	% *	1.8	9.4	
HORSES	DIG PROT	% *	1.8	9.2	
RABBITS	DIG PROT	% *	1.8	9.3	
SHEEP	DIG PROT	% *	1.9	9.8	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.51	2.63	
SHEEP	DE	MCAL/KG *	0.49	2.55	
CATTLE	ME	MCAL/KG *	0.42	2.15	
SHEEP	ME	MCAL/KG *	0.40	2.09	
CATTLE	NE-M	MCAL/KG *	0.25	1.28	
CATTLE	NE-GAIN	MCAL/KG *	0.12	0.60	
CATTLE	NE-LACTATION	MCAL/KG *	0.26	1.34	
CATTLE		TDN % *	11.5	59.6	
SHEEP		TDN % *	11.1	57.7	
CALCIUM		%	0.06	0.32	3
PHOSPHORUS		%	0.07	0.34	3

TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, EARLY BLOOM, (2)

REF NO 2-10-352

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	16.6	100.0	1
ORGANIC MATTER		%	14.4	86.7	
ASH		%	2.2	13.3	1
CRUDE FIBER		%	5.0	30.1	1
ETHER EXTRACT		%	0.3	1.8	1
NITROGEN FREE EXTRACT		%	7.1	42.8	1
PROTEIN		%	2.0	12.0	1
CATTLE	DIG PROT	% *	1.3	8.1	
GOATS	DIG PROT	% *	1.3	7.8	
HORSES	DIG PROT	% *	1.3	7.8	
RABBITS	DIG PROT	% *	1.3	8.0	
SHEEP	DIG PROT	% *	1.4	8.2	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.42	2.52	
SHEEP	DE	MCAL/KG *	0.42	2.53	
CATTLE	ME	MCAL/KG *	0.34	2.07	
SHEEP	ME	MCAL/KG *	0.34	2.07	
CATTLE	NE-M	MCAL/KG *	0.20	1.22	
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.56	
CATTLE	NE-LACTATION	MCAL/KG *	0.21	1.25	
CATTLE		TDN % *	9.5	57.2	
SHEEP		TDN % *	9.5	57.4	

TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-10-291

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.4	
ASH		%		9.6	1
CRUDE FIBER		%		35.3	1
ETHER EXTRACT		%		3.1	1
NITROGEN FREE EXTRACT		%		38.5	1
PROTEIN		%		13.5	1
CATTLE	DIG PROT	% *		9.4	
GOATS	DIG PROT	% *		9.2	
HORSES	DIG PROT	% *		9.0	
RABBITS	DIG PROT	% *		9.1	
SHEEP	DIG PROT	% *		9.6	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.39	
SHEEP	DE	MCAL/KG *		2.63	
CATTLE	ME	MCAL/KG *		1.96	
SHEEP	ME	MCAL/KG *		2.16	
CATTLE	NE-M	MCAL/KG *		1.15	
CATTLE	NE-GAIN	MCAL/KG *		0.44	
CATTLE	NE-LACTATION	MCAL/KG *		1.15	
CATTLE		TDN % *		54.1	
SHEEP		TDN % *		59.7	
CALCIUM		%		0.19	1
COBALT		MG/KG		0.155	1
COPPER		MG/KG		7.9	1
MANGANESE		MG/KG		84.4	1
MOLYBDENUM		MG/KG		0.07	1
PHOSPHORUS		%		0.35	1

TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH, CUT 4, (2)

REF NO 2-11-917

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%	34.2	100.0	1
ORGANIC MATTER		%	31.8	92.9	1
ASH		%	2.4	7.1	1
CRUDE FIBER		%	12.2	35.8	1
ETHER EXTRACT		%	1.0	2.8	1
NITROGEN FREE EXTRACT		%	16.6	48.4	1
PROTEIN		%	2.0	5.8	1
CATTLE	DIG PROT	% *	1.0	2.8	
GOATS	DIG PROT	% *	0.7	2.0	
HORSES	DIG PROT	% *	0.8	2.5	
RABBITS	DIG PROT	% *	1.1	3.2	
SHEEP	DIG PROT	% *	0.8	2.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	0.76	2.23	
SHEEP	DE	MCAL/KG *	0.86	2.51	
CATTLE	ME	MCAL/KG *	0.62	1.83	
SHEEP	ME	MCAL/KG *	0.70	2.06	
CATTLE	NE-M	MCAL/KG *	0.37	1.08	
CATTLE	NE-GAIN	MCAL/KG *	0.10	0.30	
CATTLE	NE-LACTATION	MCAL/KG *	0.35	1.02	
CATTLE		TDN % *	17.3	50.5	
SHEEP		TDN % *	19.5	57.0	
CALCIUM		%	0.06	0.17	1
IRON		%	0.004	0.012	1
PHOSPHORUS		%	0.35	1.01	1

TRIPSACUM LAXUM GUATEMALA, AERIAL PART, FRESH FERTILIZED, (2)

REF NO 2-11-918

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
DRY MATTER		%		100.0	
ORGANIC MATTER		%		91.9	
ASH		%		8.1	1
SHEEP	DIG COEF	%		43.	1
CRUDE FIBER		%		34.3	1
SHEEP	DIG COEF	%		64.	1
ETHER EXTRACT		%		2.7	1
SHEEP	DIG COEF	%		76.	1
NITROGEN FREE EXTRACT		%		50.1	1
SHEEP	DIG COEF	%		65.	1
PROTEIN		%		4.8	1
SHEEP	DIG COEF	%		57.	1
CATTLE	DIG PROT	% *		2.0	
GOATS	DIG PROT	% *		1.0	
HORSES	DIG PROT	% *		1.6	
RABBITS	DIG PROT	% *		2.4	
SHEEP	DIG PROT	%		2.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.26	
SHEEP	DE	MCAL/KG *		2.73	
CATTLE	ME	MCAL/KG *		1.86	
SHEEP	ME	MCAL/KG *		2.24	
CATTLE	NE-M	MCAL/KG *		1.10	
CATTLE	NE-GAIN	MCAL/KG *		0.33	
CATTLE	NE-LACTATION	MCAL/KG *		1.05	
CATTLE		TDN % *		51.3	
SHEEP		TDN %		61.9	

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CALCIUM		%		0.18		1
PHOSPHORUS		%		0.14		1

TRIPSACUM LAXUM GUATEMALA, LEAVES, FRESH, (2)

REF NO 2-17-667

DRY MATTER		%		100.0		
ORGANIC MATTER		%		83.9		
ASH		%		16.1		1
CRUDE FIBER		%		37.0		1
ETHER EXTRACT		%		1.3		1
NITROGEN FREE EXTRACT		%		31.9		1
PROTEIN		%		13.7		1
CATTLE	DIG PROT	% *		9.6		
GOATS	DIG PROT	% *		9.4		
HORSES	DIG PROT	% *		9.2		
RABBITS	DIG PROT	% *		9.3		
SHEEP	DIG PROT	% *		9.8		
ENERGY	GE KCAL/KG					
SHEEP	DE KCAL/KG	*		2.37		
SHEEP	ME KCAL/KG	*		1.95		
SHEEP	TDN	% *		53.8		
CALCIUM		%		0.22		1
PHOSPHORUS		%		0.56		1

TRIPSACUM SPP. GAMAGRASS

TRIPSACUM SPP, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-11-930

DRY MATTER		%	13.5	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	57.	57.		1
PROTEIN		%	2.3	17.4		1
CATTLE	DIG PROT	% *	1.7	12.7		
GOATS	DIG PROT	% *	1.7	12.8		
HORSES	DIG PROT	% *	1.7	12.3		
RABBITS	DIG PROT	% *	1.6	12.1		
SHEEP	DIG PROT	% *	1.8	13.2		
CELLULOSE (CRAMPTON)		%	3.9	29.0		1
CELLU (C) IN VITRO	DIG COEF	%	78.	78.		1
CARBOHYDRATES, SOLUBLE		%	1.1	7.9		1

TRIPSACUM SPP, AERIAL PART, FRESH, 29 TO 42 DAYS' GROWTH, (2)

REF NO 2-11-929

DRY MATTER		%	17.9	100.0		1
PROTEIN		%	2.0	11.1		1
CATTLE	DIG PROT	% *	1.3	7.3		
GOATS	DIG PROT	% *	1.2	6.9		
HORSES	DIG PROT	% *	1.2	7.0		
RABBITS	DIG PROT	% *	1.3	7.2		
SHEEP	DIG PROT	% *	1.3	7.3		
CELLULOSE (CRAMPTON)		%	6.2	34.7		1
CARBOHYDRATES, SOLUBLE		%	1.0	5.6		1

TRIPSACUM SPP, AERIAL PART, FRESH, 57 TO 70 DAYS' GROWTH, (2)

REF NO 2-11-928

DRY MATTER		%	22.3	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	53.	53.		1
PROTEIN		%	1.6	7.2		1
CATTLE	DIG PROT	% *	0.9	4.0		
GOATS	DIG PROT	% *	0.7	3.3		
HORSES	DIG PROT	% *	0.8	3.6		
RABBITS	DIG PROT	% *	0.9	4.2		
SHEEP	DIG PROT	% *	0.8	3.7		
CELLULOSE (CRAMPTON)		%	7.5	33.6		1
CELLU (C) IN VITRO	DIG COEF	%	64.	64.		1
CARBOHYDRATES, SOLUBLE		%	2.4	10.7		1

TRIPSACUM SPP, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)

REF NO 2-11-927

DRY MATTER		%	20.4	100.0		1
PROTEIN		%	1.5	7.3		1
CATTLE	DIG PROT	% *	0.8	4.1		
GOATS	DIG PROT	% *	0.7	3.4		
HORSES	DIG PROT	% *	0.8	3.7		
RABBITS	DIG PROT	% *	0.9	4.3		
SHEEP	DIG PROT	% *	0.8	3.8		
CELLULOSE (CRAMPTON)		%	7.0	34.1		1
CARBOHYDRATES, SOLUBLE		%	2.2	11.0		1

TRIPSACUM SPP, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-11-926

DRY MATTER		%	22.7	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	51.	51.		1
PROTEIN		%	1.3	5.9		1
CATTLE	DIG PROT	% *	0.7	2.9		
GOATS	DIG PROT	% *	0.5	2.1		
HORSES	DIG PROT	% *	0.6	2.5		
RABBITS	DIG PROT	% *	0.7	3.2		
SHEEP	DIG PROT	% *	0.6	2.5		
CELLULOSE (CRAMPTON)		%	7.6	33.6		1
CELLU (C) IN VITRO	DIG COEF	%	64.	64.		1
CARBOHYDRATES, SOLUBLE		%	3.1	13.6		1

TRIPSACUM SPP, AERIAL PART, FRESH, 113 TO 126 DAYS' GROWTH, (2)

REF NO 2-11-925

DRY MATTER		%	20.6	100.0		1
PROTEIN		%	1.1	5.3		1
CATTLE	DIG PROT	% *	0.5	2.4		
GOATS	DIG PROT	% *	0.3	1.5		
HORSES	DIG PROT	% *	0.4	2.0		
RABBITS	DIG PROT	% *	0.6	2.8		
SHEEP	DIG PROT	% *	0.4	1.9		
CELLULOSE (CRAMPTON)		%	7.7	37.6		1
CARBOHYDRATES, SOLUBLE		%	2.3	11.3		1

TRIPSACUM SPP, AERIAL PART, FRESH, 141 TO 154 DAYS' GROWTH, (2)

REF NO 2-11-924

DRY MATTER		%	22.8	100.0		1
DM IN VITRO (TILLY)	DIG COEF	%	52.	52.		1
PROTEIN		%	1.1	5.0		1
CATTLE	DIG PROT	% *	0.5	2.1		
GOATS	DIG PROT	% *	0.3	1.2		
HORSES	DIG PROT	% *	0.4	1.8		
RABBITS	DIG PROT	% *	0.6	2.5		
SHEEP	DIG PROT	% *	0.4	1.7		
CELLULOSE (CRAMPTON)		%	8.4	37.0		1
CELLU (C) IN VITRO	DIG COEF	%	57.	57.		1
CARBOHYDRATES, SOLUBLE		%	3.1	13.8		1

TRITICUM AESTIVUM, WHEAT

TRITICUM AESTIVUM, CHAFF, (1)

REF NO 1-13-295

DRY MATTER		%	92.1	100.0	6	4
ORGANIC MATTER		%	86.9	94.3	60	3
ASH		%	7.0	7.6	60	4
CRUDE FIBER		%	18.7	20.3	33	4
ETHER EXTRACT		%	3.2	3.5	42	4
NITROGEN FREE EXTRACT		%	51.8	56.3		3
PROTEIN		%	11.3	12.3	44	4
CATTLE	DIG PROT	% *	7.0	7.6		
GOATS	DIG PROT	% *	7.4	8.1		
HORSES	DIG PROT	% *	7.4	8.0		
RABBITS	DIG PROT	% *	7.5	8.2		
SHEEP	DIG PROT	% *	7.0	7.6		
ENERGY	GE KCAL/KG					
CATTLE	DE KCAL/KG	*	2.67	2.90		
HORSES	DE KCAL/KG	*	1.77	1.92		
SHEEP	DE KCAL/KG	*	2.54	2.76		
CATTLE	ME KCAL/KG	*	2.19	2.38		
HORSES	ME KCAL/KG	*	1.45	1.57		
SHEEP	ME KCAL/KG	*	2.09	2.26		
CATTLE	NE-M KCAL/KG	*	1.32	1.43		
CATTLE	NE-GAIN KCAL/KG	*	0.78	0.85		
CATTLE	NE-LACTATION KCAL/KG	*	1.43	1.55		
CATTLE	TDN	% *	60.6	65.8		
HORSES	TDN	% *	44.1	47.9		
SHEEP	TDN	% *	57.7	62.6		
CALCIUM		%	0.05	0.06		1
IRON		%	0.011	0.011		1
PHOSPHORUS		%	1.15	1.25		1

TRITICUM AESTIVUM, STRAW, (1)

REF NO 1-13-242

DRY MATTER		%	89.5	100.0		2
ORGANIC MATTER		%	84.2	94.1		2
ASH		%	5.2	5.8		3
CRUDE FIBER		%	54.4	60.8		3
ETHER EXTRACT		%	1.9	2.1		3
NITROGEN FREE EXTRACT		%	21.9	24.5		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PROTEIN		%	6.1	6.8		3
CATTLE	DIG PROT	% *	2.5	2.8		
GOATS	DIG PROT	% *	2.6	2.9		
HORSES	DIG PROT	% *	3.0	3.3		
RABBITS	DIG PROT	% *	3.5	3.9		
SHEEP	DIG PROT	% *	2.4	2.7		
CALCIUM		%	0.14	0.15		1
IRON		%	0.020	0.023		1
PHOSPHORUS		%	0.30	0.34		1

TRITICUM AESTIVUM, AERIAL PART, FRESH, (2)

REF NO 2-13-776

DRY MATTER		%		100.0		
ORGANIC MATTER		%		96.6		
ASH		%		3.4		1
CRUDE FIBER		%		14.3		1
ETHER EXTRACT		%		2.1		1
NITROGEN FREE EXTRACT		%		77.3		1
PROTEIN		%		2.9		1
CATTLE	DIG PROT	% *		0.4		
GOATS	DIG PROT	% *		-0.7		
HORSES	DIG PROT	% *		-0.0		
RABBITS	DIG PROT	% *		0.9		
SHEEP	DIG PROT	% *		-0.1		

TRITICUM AESTIVUM, AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)

REF NO 2-13-777

DRY MATTER		%		100.0		
ORGANIC MATTER		%		97.7		
ASH		%		2.3		1
CRUDE FIBER		%		11.4		1
ETHER EXTRACT		%		2.0		1
NITROGEN FREE EXTRACT		%		78.5		1
PROTEIN		%		5.8		1
CATTLE	DIG PROT	% *		2.8		
GOATS	DIG PROT	% *		2.0		
HORSES	DIG PROT	% *		2.5		
RABBITS	DIG PROT	% *		3.1		
SHEEP	DIG PROT	% *		2.4		

TRITICUM AESTIVUM, AERIAL PART, FRESH, MILK STAGE, CUT 1, (2)

REF NO 2-13-103

DRY MATTER		%		100.0		
ORGANIC MATTER		%		90.4		
ASH		%		9.6	12	4
CRUDE FIBER		%		29.8	7	4
ETHER EXTRACT		%		2.2	24	4
NITROGEN FREE EXTRACT		%		48.7	6	4
PROTEIN		%		9.7	23	4
CATTLE	DIG PROT	% *		6.1		
GOATS	DIG PROT	% *		5.6		
HORSES	DIG PROT	% *		5.8		
RABBITS	DIG PROT	% *		6.2		
SHEEP	DIG PROT	% *		6.0		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*		2.57		
SHEEP	DE MCAL/KG	*		2.82		
CATTLE	ME MCAL/KG	*		2.10		
SHEEP	ME MCAL/KG	*		2.15		
CATTLE	NE-M MCAL/KG	*		1.24		
CATTLE	NE-GAIN MCAL/KG	*		0.59		
CATTLE	NE-LACTATION MCAL/KG	*		1.29		
CATTLE	TDN	% *		58.2		
SHEEP	TDN	% *		59.5		

TRITICUM AESTIVUM, BRAN, (4)

REF NO 4-11-741

DRY MATTER		%	88.8	100.0	6	98
ORGANIC MATTER		%	83.7	94.3	32	19
ASH		%	5.7	6.4	32	81
CRUDE FIBER		%	10.0	11.3	88	98
ETHER EXTRACT		%	4.1	4.6	30	85
NITROGEN FREE EXTRACT		%	53.2	59.9	8	75
PROTEIN		%	15.8	17.8	33	98
CATTLE	DIG PROT	% *	11.0	12.4		
GOATS	DIG PROT	% *	12.1	13.8		
HORSES	DIG PROT	% *	12.1	13.6		
SHEEP	DIG PROT	% *	12.1	13.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.68	3.02		
SHEEP	DE MCAL/KG	*	2.88	3.24		
SWINE	DE KCAL/KG	*	2818.	3172.		
CATTLE	ME MCAL/KG	*	2.20	2.48		
SHEEP	ME MCAL/KG	*	2.36	2.66		
SWINE	ME KCAL/KG	*	2603.	2931.		
CATTLE	NE-M MCAL/KG	*	1.34	1.50		
CATTLE	NE-GAIN MCAL/KG	*	0.83	0.92		
CATTLE	NE-LACTATION MCAL/KG	*	1.46	1.65		
CATTLE	TDN	% *	60.9	68.6		
SHEEP	TDN	% *	65.3	73.6		
SWINE	TDN	% *	63.9	71.9		
CALCIUM		%	0.57	0.64	98	20
COPPER		MG/KG	60.9	68.6	83	5
IRON		%	0.026	0.030	98	17
MAGNESIUM		%	0.65	0.73	20	5
MANGANESE		MG/KG	116.2	130.8	83	5
PHOSPHORUS		%	1.08	1.22	68	20
POTASSIUM		%	1.88	2.12		3
SODIUM		%	0.12	0.14		1
NIACIN		MG/KG	174.4	196.4	65	5

TRITICUM AESTIVUM, BRAN W GERM, (4)

REF NO 4-13-780

DRY MATTER		%	89.0	100.0		2
ORGANIC MATTER		%	85.9	96.6		1
ASH		%	2.7	3.1		2
CRUDE FIBER		%	6.7	7.5		2
ETHER EXTRACT		%	12.5	14.1		2
NITROGEN FREE EXTRACT		%	56.5	63.5		2
PROTEIN		%	10.6	11.9		1
CATTLE	DIG PROT	% *	6.2	6.9		
GOATS	DIG PROT	% *	7.2	8.1		
HORSES	DIG PROT	% *	7.2	8.1		
SHEEP	DIG PROT	% *	7.2	8.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	4.12	4.64		
SHEEP	DE MCAL/KG	*	3.49	3.93		
SWINE	DE KCAL/KG	*	3462.	3892.		
CATTLE	ME MCAL/KG	*	3.38	3.80		
SHEEP	ME MCAL/KG	*	2.87	3.22		
SWINE	ME KCAL/KG	*	3240.	3643.		
CATTLE	NE-M MCAL/KG	*	2.63	2.95		
CATTLE	NE-GAIN MCAL/KG	*	1.53	1.72		
CATTLE	NE-LACTATION MCAL/KG	*	2.58	2.91		
CATTLE	TDN	% *	93.5	105.1		
SHEEP	TDN	% *	79.3	89.1		
SWINE	TDN	% *	78.5	88.3		
CALCIUM		%	0.08	0.09		1
PHOSPHORUS		%	0.57	0.64		1

TRITICUM AESTIVUM, FLOUR BY-PRODUCT, (4)

REF NO 4-13-781

DRY MATTER		%	88.7	100.0		3
ORGANIC MATTER		%	82.8	93.4	3	1
ASH		%	6.1	6.9	3	4
CRUDE FIBER		%	10.2	11.5	9	8
ETHER EXTRACT		%	5.7	6.5	43	4
NITROGEN FREE EXTRACT		%	51.2	57.7	10	4
PROTEIN		%	15.5	17.5	11	6
CATTLE	DIG PROT	% *	10.7	12.1		
GOATS	DIG PROT	% *	11.8	13.3		
HORSES	DIG PROT	% *	11.8	13.3		
SHEEP	DIG PROT	% *	11.8	13.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.82	3.18		
SHEEP	DE MCAL/KG	*	2.86	3.22		
SWINE	DE KCAL/KG	*	2869.	3236.		
CATTLE	ME MCAL/KG	*	2.31	2.60		
SHEEP	ME MCAL/KG	*	2.34	2.64		
SWINE	ME KCAL/KG	*	2653.	2992.		
CATTLE	NE-M MCAL/KG	*	1.42	1.60		
CATTLE	NE-GAIN MCAL/KG	*	0.92	1.03		
CATTLE	NE-LACTATION MCAL/KG	*	1.56	1.76		
CATTLE	TDN	% *	63.9	72.0		
SHEEP	TDN	% *	64.8	73.0		
SWINE	TDN	% *	65.1	73.4		
CALCIUM		%	0.16	0.18		3
PHOSPHORUS		%	0.60	0.68		2

TRITICUM AESTIVUM, FLOUR BY-PRODUCT, COARSE SIFTED, (4)

REF NO 4-13-778

DRY MATTER		%	88.7	100.0	1	99
ORGANIC MATTER		%	80.4	90.6	33	1
ASH		%	4.9	5.5	33	12
CRUDE FIBER		%	8.3	9.4	18	99
ETHER EXTRACT		%	5.1	5.7	21	12
NITROGEN FREE EXTRACT		%	54.9	61.8	20	12
PROTEIN		%	15.5	17.5	5	98
CATTLE	DIG PROT	% *	10.7	12.1		
GOATS	DIG PROT	% *	11.8	13.3		
HORSES	DIG PROT	% *	11.8	13.3		
SHEEP	DIG PROT	% *	11.8	13.3		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG	*	2.96	3.34		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SHEEP	DE	MCAL/KG *	2.99	3.37		
SWINE	DE	KCAL/KG *	3033.	3420.		
CATTLE	ME	MCAL/KG *	2.43	2.74		
SHEEP	ME	MCAL/KG *	2.45	2.76		
SWINE	ME	KCAL/KG *	2805.	3162.		
CATTLE	NE-M	MCAL/KG *	1.52	1.72		
CATTLE	NE-GAIN	MCAL/KG *	1.01	1.13		
CATTLE	NE-LACTATION	MCAL/KG *	1.68	1.89		
CATTLE	TDN	% *	67.2	75.8		
SHEEP	TDN	% *	67.8	76.4		
SWINE	TDN	% *	68.8	77.6		
CALCIUM		%	0.36	0.41		1
PHOSPHORUS		%	1.85	2.09		1

TRITICUM AESTIVUM, FLOUR BY-PRODUCT, FINE SIFTED, (4)

REF NO 4-13-417

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.2	100.0	1	15
ORGANIC MATTER		%	84.5	96.9	23	14
ASH		%	2.6	3.0	23	15
CRUDE FIBER		%	4.1	4.7	29	15
ETHER EXTRACT		%	3.8	4.3	31	15
NITROGEN FREE EXTRACT		%	60.5	69.4	6	15
PROTEIN		%	16.2	18.5	14	15
CATTLE	DIG PROT	% *	11.4	13.0		
GOATS	DIG PROT	% *	12.4	14.2		
HORSES	DIG PROT	% *	12.4	14.2		
SHEEP	DIG PROT	% *	12.4	14.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.26	3.74		
SHEEP	DE	MCAL/KG *	3.20	3.67		
SWINE	DE	KCAL/KG *	3245.	3719.		
CATTLE	ME	MCAL/KG *	2.67	3.06		
SHEEP	ME	MCAL/KG *	2.62	3.01		
SWINE	ME	KCAL/KG *	2994.	3431.		
CATTLE	NE-M	MCAL/KG *	1.77	2.03		
CATTLE	NE-GAIN	MCAL/KG *	1.18	1.35		
CATTLE	NE-LACTATION	MCAL/KG *	1.92	2.20		
CATTLE	TDN	% *	73.9	84.8		
SHEEP	TDN	% *	72.6	83.2		
SWINE	TDN	% *	73.6	84.4		
CALCIUM		%	0.44	0.51	88	4
IRON		%	0.009	0.011		2
PHOSPHORUS		%	0.45	0.52		3
NIACIN		MG/KG	56.7	65.0		1

TRITICUM AESTIVUM, FLOUR BY-PRODUCT KILN RUN, MX 9.5% FIBER, (4)

REF NO 4-13-419

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.9	100.0	1	8
ORGANIC MATTER		%	84.1	95.7	10	8
ASH		%	3.8	4.3	10	8
CRUDE FIBER		%	7.4	8.4	15	8
ETHER EXTRACT		%	5.2	5.9	17	8
NITROGEN FREE EXTRACT		%	55.0	62.6	6	8
PROTEIN		%	16.5	18.8	9	8
CATTLE	DIG PROT	% *	11.7	13.3		
GOATS	DIG PROT	% *	12.7	14.5		
HORSES	DIG PROT	% *	12.7	14.5		
SHEEP	DIG PROT	% *	12.7	14.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.18	3.62		
SHEEP	DE	MCAL/KG *	3.05	3.48		
SWINE	DE	KCAL/KG *	3122.	3553.		
CATTLE	ME	MCAL/KG *	2.61	2.97		
SHEEP	ME	MCAL/KG *	2.50	2.85		
SWINE	ME	KCAL/KG *	2878.	3276.		
CATTLE	NE-M	MCAL/KG *	1.70	1.93		
CATTLE	NE-GAIN	MCAL/KG *	1.13	1.29		
CATTLE	NE-LACTATION	MCAL/KG *	1.86	2.11		
CATTLE	TDN	% *	72.2	82.2		
SHEEP	TDN	% *	69.3	78.8		
SWINE	TDN	% *	70.8	80.6		
CALCIUM		%	0.80	0.91		3
IRON		%	0.014	0.016		3
PHOSPHORUS		%	0.62	0.71		3
NIACIN		MG/KG	154.2	175.4		3

TRITICUM AESTIVUM, FLOUR BY-PRODUCT, MX 9% FIBER, (4)

REF NO 4-11-742

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.7	100.0		3
ORGANIC MATTER		%	82.1	92.6		
ASH		%	6.5	7.4	50	7
CRUDE FIBER		%	8.1	9.1	25	10
ETHER EXTRACT		%	3.8	4.3	24	7
NITROGEN FREE EXTRACT		%	58.5	65.9	7	7
PROTEIN		%	11.7	13.2	26	10
CATTLE	DIG PROT	% *	7.3	8.2		
GOATS	DIG PROT	% *	8.3	9.4		
HORSES	DIG PROT	% *	8.3	9.4		
SHEEP	DIG PROT	% *	8.3	9.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.47	2.78		
SHEEP	DE	MCAL/KG *	2.95	3.33		
SWINE	DE	KCAL/KG *	2943.	3320.		
CATTLE	ME	MCAL/KG *	2.02	2.28		
SHEEP	ME	MCAL/KG *	2.42	2.73		
SWINE	ME	KCAL/KG *	2727.	3098.		
CATTLE	NE-M	MCAL/KG *	1.21	1.36		
CATTLE	NE-GAIN	MCAL/KG *	0.68	0.76		
CATTLE	NE-LACTATION	MCAL/KG *	1.29	1.46		
CATTLE	TDN	% *	55.9	63.1		
SHEEP	TDN	% *	66.9	75.5		
SWINE	TDN	% *	66.8	75.3		

TRITICUM AESTIVUM, FLOUR, COARSE BOLTED, FEED GR MX 2% FIBER, (4)

REF NO 4-12-416

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.9	100.0		4
ORGANIC MATTER		%	85.6	98.5	44	4
ASH		%	1.3	1.5	44	4
CRUDE FIBER		%	1.2	1.4	50	4
ETHER EXTRACT		%	2.7	3.1	40	4
NITROGEN FREE EXTRACT		%	67.1	77.2	11	4
PROTEIN		%	14.6	16.8	21	4
CATTLE	DIG PROT	% *	10.0	11.5		
GOATS	DIG PROT	% *	11.0	12.7		
HORSES	DIG PROT	% *	11.0	12.7		
SHEEP	DIG PROT	% *	11.0	12.7		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	3.35	3.86		
SWINE	DE	KCAL/KG *	3313.	3812.		
SHEEP	ME	MCAL/KG *	2.75	3.17		
SWINE	ME	KCAL/KG *	3068.	3530.		
SHEEP	TDN	% *	76.1	87.6		
SWINE	TDN	% *	75.1	86.5		
CALCIUM		%	0.55	0.64	70	4
IRON		%	0.006	0.007		3
PHOSPHORUS		%	0.29	0.33	80	5
NIACIN		MG/KG	38.2	43.9	17	4

TRITICUM AESTIVUM, GRAIN, (4)

REF NO 4-13-241

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.3	100.0	4	9
ORGANIC MATTER		%	86.4	99.0	33	4
ASH		%	1.4	1.6	33	9
CRUDE FIBER		%	1.4	1.6	65	7
ETHER EXTRACT		%	1.7	1.9	40	7
NITROGEN FREE EXTRACT		%	70.7	81.0	3	7
PROTEIN		%	12.1	13.9	7	98
CATTLE	DIG PROT	% *	7.6	8.7		
GOATS	DIG PROT	% *	8.7	9.9		
HORSES	DIG PROT	% *	8.7	9.9		
SHEEP	DIG PROT	% *	8.7	9.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.21	3.67		
SHEEP	DE	MCAL/KG *	3.38	3.87		
SWINE	DE	KCAL/KG *	3318.	3800.		
CATTLE	ME	MCAL/KG *	2.63	3.01		
SHEEP	ME	MCAL/KG *	2.77	3.17		
SWINE	ME	KCAL/KG *	3092.	3541.		
CATTLE	NE-M	MCAL/KG *	1.72	1.98		
CATTLE	NE-GAIN	MCAL/KG *	1.15	1.32		
CATTLE	NE-LACTATION	MCAL/KG *	1.88	2.15		
CATTLE	TDN	% *	72.8	83.3		
SHEEP	TDN	% *	76.6	87.7		
SWINE	TDN	% *	75.2	86.2		
CALCIUM		%	0.62	0.71		1
IRON		%	0.008	0.009		1
PHOSPHORUS		%	0.31	0.35		1
NIACIN		MG/KG	9.0	10.3		1

TRITICUM AESTIVUM, GRAIN, CRACKED, (4)

REF NO 4-13-245

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.5	100.0		1
ORGANIC MATTER		%	86.2	98.5		1
ASH		%	1.3	1.5		1
CRUDE FIBER		%	1.9	2.2		1
ETHER EXTRACT		%	2.0	2.3		1
NITROGEN FREE EXTRACT		%	69.9	79.9		1
PROTEIN		%	12.4	14.2		1
CATTLE	DIG PROT	% *	7.9	9.0		
GOATS	DIG PROT	% *	8.9	10.2		
HORSES	DIG PROT	% *	8.9	10.2		
SHEEP	DIG PROT	% *	8.9	10.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.24	3.70		
SHEEP	DE	MCAL/KG *	3.37	3.85		
SWINE	DE	KCAL/KG *	3323.	3797.		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE ME	MCAL/KG *	2.65	3.03		
SHEEP ME	MCAL/KG *	2.76	3.15		
SWINE ME	KCAL/KG *	3095.	3537.		
CATTLE NE-M	MCAL/KG *	1.74	1.99		
CATTLE NE-GAIN	MCAL/KG *	1.16	1.33		
CATTLE NE-LACTATION	MCAL/KG *	1.90	2.17		
CATTLE TDN	% *	73.4	83.9		
SHEEP TDN	% *	76.3	87.3		
SWINE TDN	% *	75.4	86.1		

TRITICUM AESTIVUM, GRAIN, FERTILIZED, (4)

REF NO 4-13-192

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.5	100.0		80
ORGANIC MATTER	%	86.0	98.3		
ASH	%	1.5	1.7	21	5
CRUDE FIBER	%	3.4	3.9	4	5
ETHER EXTRACT	%	1.2	1.3	6	5
NITROGEN FREE EXTRACT	%	69.0	78.9	1	5
PROTEIN	%	12.4	14.2	10	85
CATTLE DIG PROT	% *	7.9	9.1		
GOATS DIG PROT	% *	9.0	10.2		
HORSES DIG PROT	% *	9.0	10.2		
SHEEP DIG PROT	% *	9.0	[illegible].2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.12	3.57		
SHEEP DE	MCAL/KG *	3.34	3.81		
SWINE DE	KCAL/KG *	3292.	3762.		
CATTLE ME	MCAL/KG *	2.56	2.93		
SHEEP ME	MCAL/KG *	2.74	3.13		
SWINE ME	KCAL/KG *	3066.	3504.		
CATTLE NE-M	MCAL/KG *	1.65	1.89		
CATTLE NE-GAIN	MCAL/KG *	1.10	1.26		
CATTLE NE-LACTATION	MCAL/KG *	1.81	2.07		
CATTLE TDN	% *	70.8	80.9		
SHEEP TDN	% *	75.7	86.5		
SWINE TDN	% *	74.7	85.3		

TRITICUM AESTIVUM, GRAIN, GRND, (4)

REF NO 4-13-413

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.5	100.0	2	42
ORGANIC MATTER	%	87.9	99.3	51	2
ASH	%	0.8	0.9	51	36
CRUDE FIBER	%	2.7	3.1	80	7
ETHER EXTRACT	%	1.8	2.0	24	5
NITROGEN FREE EXTRACT	%	71.1	80.3	4	5
PROTEIN	%	12.2	13.7	15	15
CATTLE DIG PROT	% *	7.6	8.6		
GOATS DIG PROT	% *	8.7	9.8		
HORSES DIG PROT	% *	8.7	9.8		
SHEEP DIG PROT	% *	8.7	9.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.30	3.73		
SHEEP DE	MCAL/KG *	3.41	3.85		
SWINE DE	KCAL/KG *	3377.	3815.		
CATTLE ME	MCAL/KG *	2.70	3.06		
SHEEP ME	MCAL/KG *	2.79	3.16		
SWINE ME	KCAL/KG *	3148.	3557.		
CATTLE NE-M	MCAL/KG *	1.79	2.02		
CATTLE NE-GAIN	MCAL/KG *	1.19	1.34		
CATTLE NE-LACTATION	MCAL/KG *	1.94	2.20		
CATTLE TDN	% *	74.8	84.5		
SHEEP TDN	% *	77.2	87.3		
SWINE TDN	% *	76.6	86.5		
CALCIUM	%	0.26	0.30		3
COPPER	MG/KG	123.0	139.0		1
IRON	%	0.008	0.009		2
MAGNESIUM	%	0.18	0.20		1
MANGANESE	MG/KG	54.9	62.0		1
PHOSPHORUS	%	0.46	0.52		3
POTASSIUM	%	0.44	0.50		1
SODIUM	%	0.83	0.94		1
LYSINE	%	0.44	0.49	12	5
METHIONINE	%	0.14	0.16	49	5

TRITICUM AESTIVUM, GRAIN, TOASTED, (4)

REF NO 4-13-199

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	96.6	100.0		2
ORGANIC MATTER	%	95.0	98.3		
ASH	%	1.6	1.7		2
CRUDE FIBER	%	3.5	3.6		2
ETHER EXTRACT	%	1.5	1.6		2
NITROGEN FREE EXTRACT	%	75.1	77.7		
PROTEIN	%	14.9	15.4		2
CATTLE DIG PROT	% *	9.8	10.2		
GOATS DIG PROT	% *	11.0	11.4		
HORSES DIG PROT	% *	11.0	11.4		
SHEEP DIG PROT	% *	11.0	11.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.47	3.59		
SHEEP DE	MCAL/KG *	3.68	3.81		
SWINE DE	KCAL/KG *	3620.	3748.		
CATTLE ME	MCAL/KG *	2.85	2.95		
SHEEP ME	MCAL/KG *	3.02	3.13		
SWINE ME	KCAL/KG *	3363.	3481.		
CATTLE NE-M	MCAL/KG *	1.84	1.91		
CATTLE NE-GAIN	MCAL/KG *	1.23	1.27		
CATTLE NE-LACTATION	MCAL/KG *	2.02	2.09		
CATTLE TDN	% *	78.7	81.5		
SHEEP TDN	% *	83.6	86.5		
SWINE TDN	% *	82.1	85.0		
CALCIUM	%	0.05	0.05		2
IRON	%	0.006	0.006		2
PHOSPHORUS	%	0.29	0.30		2
ASCORBIC ACID	MG/KG	4.4	4.6		2
NIACIN	MG/KG	43.7	45.2		2
RIBOFLAVIN	MG/KG	2.3	2.4		2
THIAMINE	MG/KG	0.7	0.7		2

TRITICUM AESTIVUM, GRAIN, TOASTED GRND, (4)

REF NO 4-13-200

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.7	100.0		1
ORGANIC MATTER	%	90.0	98.1		
ASH	%	1.7	1.9		1
CRUDE FIBER	%	3.3	3.6		1
ETHER EXTRACT	%	1.6	1.7		1
NITROGEN FREE EXTRACT	%	74.3	81.0		
PROTEIN	%	10.8	11.8		1
CATTLE DIG PROT	% *	6.3	6.8		
GOATS DIG PROT	% *	7.4	8.0		
HORSES DIG PROT	% *	7.4	8.0		
SHEEP DIG PROT	% *	7.4	8.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.26	3.56		
SHEEP DE	MCAL/KG *	3.49	3.81		
SWINE DE	KCAL/KG *	3482.	3797.		
CATTLE ME	MCAL/KG *	2.67	2.92		
SHEEP ME	MCAL/KG *	2.86	3.12		
SWINE ME	KCAL/KG *	3260.	3555.		
CATTLE NE-M	MCAL/KG *	1.72	1.88		
CATTLE NE-GAIN	MCAL/KG *	1.15	1.25		
CATTLE NE-LACTATION	MCAL/KG *	1.89	2.06		
CATTLE TDN	% *	74.0	80.7		
SHEEP TDN	% *	79.1	86.3		
SWINE TDN	% *	79.0	86.1		
CALCIUM	%	0.05	0.05		1
IRON	%	0.004	0.004		1
PHOSPHORUS	%	0.27	0.29		1
ASCORBIC ACID	MG/KG	7.5	8.2		1
NIACIN	MG/KG	20.0	21.8		1
RIBOFLAVIN	MG/KG	1.0	1.1		1
THIAMINE	MG/KG	2.2	2.4		1

TRITICUM AESTIVUM, GRAIN, TREATED W CALCIUM HYDROXIDE, (4)

REF NO 4-13-421

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.0	100.0		1
ORGANIC MATTER	%	87.7	97.4		
ASH	%	2.3	2.6		1
CRUDE FIBER	%	1.8	2.0		1
ETHER EXTRACT	%	1.0	1.1		1
NITROGEN FREE EXTRACT	%	74.7	83.0		
PROTEIN	%	10.2	11.3		1
CATTLE DIG PROT	% *	5.8	6.4		
GOATS DIG PROT	% *	6.9	7.6		
HORSES DIG PROT	% *	6.9	7.6		
SHEEP DIG PROT	% *	6.9	7.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.17	3.52		
SHEEP DE	MCAL/KG *	3.46	3.84		
SWINE DE	KCAL/KG *	3426.	3807.		
CATTLE ME	MCAL/KG *	2.60	2.89		
SHEEP ME	MCAL/KG *	2.83	3.15		
SWINE ME	KCAL/KG *	3211.	3568.		
CATTLE NE-M	MCAL/KG *	1.67	1.85		
CATTLE NE-GAIN	MCAL/KG *	1.11	1.24		
CATTLE NE-LACTATION	MCAL/KG *	1.83	2.04		
CATTLE TDN	% *	71.9	79.9		
SHEEP TDN	% *	78.4	87.1		
SWINE TDN	% *	77.7	86.3		
CALCIUM	%	0.05	0.06		1
IRON	%	0.013	0.014		1
PHOSPHORUS	%	0.32	0.36		1
ASCORBIC ACID	MG/KG	0.2	0.3		1
NIACIN	MG/KG	25.0	27.8		1
RIBOFLAVIN	MG/KG	0.4	0.4		1
THIAMINE	MG/KG	0.9	1.0		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TRITICUM AESTIVUM, GERM, (5)					
REF NO 5-13-261					
DRY MATTER	%	89.0	100.0	2	10
ORGANIC MATTER	%	84.0	94.3	29	4
ASH	%	5.0	5.7	29	10
CRUDE FIBER	%	3.7	4.2	54	10
ETHER EXTRACT	%	9.7	10.9	32	10
NITROGEN FREE EXTRACT	%	44.8	50.4	11	10
PROTEIN	%	25.7	28.9	14	10
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.14	3.52		
SHEEP	DE MCAL/KG *	3.76	4.22		
CATTLE	ME MCAL/KG *	2.57	2.89		
SHEEP	ME MCAL/KG *	3.08	3.46		
CATTLE	NE-M MCAL/KG *	1.65	1.86		
CATTLE	NE-GAIN MCAL/KG *	1.10	1.24		
CATTLE	NE-LACTATION MCAL/KG *	1.81	2.04		
CATTLE	TDN % *	71.1	79.9		
SHEEP	TDN % *	85.2	95.7		
CALCIUM	%	0.60	0.45	98	5
COPPER	MG/KG	32.9	37.0		1
IRON	%	0.039	0.044		3
MAGNESIUM	%	0.32	0.36		1
MANGANESE	MG/KG	156.6	176.0		1
PHOSPHORUS	%	0.91	1.03	69	5
POTASSIUM	%	1.31	1.47		1
SODIUM	%	0.10	0.11		1
NIACIN	MG/KG	38.1	42.8		1
TRITICUM AESTIVUM, GERM, MECH EXTD, (5)					
REF NO 5-13-414					
DRY MATTER	%	88.8	100.0		1
ORGANIC MATTER	%	84.4	95.0		
ASH	%	4.4	5.0		1
CRUDE FIBER	%	3.7	4.2		1
ETHER EXTRACT	%	2.8	3.2		1
NITROGEN FREE EXTRACT	%	52.3	58.9		1
PROTEIN	%	25.5	28.7		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.77	4.25		
SHEEP	DE MCAL/KG *	3.47	3.91		
CATTLE	ME MCAL/KG *	3.09	3.48		
SHEEP	ME MCAL/KG *	2.85	3.20		
CATTLE	NE-M MCAL/KG *	2.23	2.51		
CATTLE	NE-GAIN MCAL/KG *	1.40	1.58		
CATTLE	NE-LACTATION MCAL/KG *	2.31	2.60		
CATTLE	TDN % *	85.5	96.3		
SHEEP	TDN % *	78.7	88.6		
CALCIUM	%	0.65	0.73		1
COPPER	MG/KG	24.9	28.0		1
IRON	%	0.017	0.019		1
MAGNESIUM	%	0.31	0.35		1
MANGANESE	MG/KG	190.0	214.0		1
PHOSPHORUS	%	2.24	2.52		1
POTASSIUM	%	1.01	1.14		1
SODIUM	%	0.09	0.10		1
TRITICUM AESTIVUM, GERM, TOASTED, (5)					
REF NO 5-13-422					
DRY MATTER	%	98.6	100.0		1
ORGANIC MATTER	%	92.6	93.9		1
ASH	%	4.7	4.8		1
CRUDE FIBER	%	6.0	6.1		1
ETHER EXTRACT	%	10.0	10.1		1
NITROGEN FREE EXTRACT	%	50.6	51.3		1
PROTEIN	%	27.3	27.7		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.47	3.52		
SHEEP	DE MCAL/KG *	4.11	4.17		
CATTLE	ME MCAL/KG *	2.85	2.89		
SHEEP	ME MCAL/KG *	3.37	3.42		
CATTLE	NE-M MCAL/KG *	1.83	1.85		
CATTLE	NE-GAIN MCAL/KG *	1.22	1.23		
CATTLE	NE-LACTATION MCAL/KG *	2.01	2.03		
CATTLE	TDN % *	78.7	79.9		
SHEEP	TDN % *	93.2	94.5		
CALCIUM	%	0.13	0.13		1
IRON	%	0.008	0.008		1
PHOSPHORUS	%	1.00	1.01		1
TRITICUM AESTIVUM, WHEAT, GAINES					
TRITICUM AESTIVUM GAINES, GRAIN, (4)					
REF NO 4-09-153					
DRY MATTER	%	89.2	100.0		17
ORGANIC MATTER	%	87.6	98.2		
ASH	%	1.6	1.8	12	17
CRUDE FIBER	%	3.3	3.7	12	17
ETHER EXTRACT	%	1.3	1.4	15	17
NITROGEN FREE EXTRACT	%	71.7	80.3		
PROTEIN	%	11.4	12.8	12	51
CATTLE	DIG PROT % *	6.9	7.8		
GOATS	DIG PROT % *	8.0	8.9		
HORSES	DIG PROT % *	8.0	8.9		
SHEEP	DIG PROT % *	8.0	8.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.16	3.56		
SHEEP	DE MCAL/KG *	3.40	3.81		
SWINE	DE KCAL/KG *	3379.	3787.		
CATTLE	ME MCAL/KG *	2.60	2.92		
SHEEP	ME MCAL/KG *	2.79	3.13		
SWINE	ME KCAL/KG *	3156.	3538.		
CATTLE	NE-M MCAL/KG *	1.68	1.88		
CATTLE	NE-GAIN MCAL/KG *	1.12	1.26		
CATTLE	NE-LACTATION MCAL/KG *	1.84	2.07		
CATTLE	TDN % *	72.0	80.8		
SHEEP	TDN % *	77.2	86.5		
SWINE	TDN % *	76.6	85.9		
CALCIUM	%	0.05	0.06	12	17
IRON	%	0.005	0.006	27	17
PHOSPHORUS	%	0.31	0.35	17	17
ASCORBIC ACID	MG/KG	8.4	9.4	37	17
NIACIN	MG/KG	34.2	38.3	26	17
RIBOFLAVIN	MG/KG	1.6	1.8	17	17
THIAMINE	MG/KG	2.7	3.0	15	17
TRITICUM AESTIVUM, WHEAT, WHITE					
TRITICUM AESTIVUM WHITE, GRAIN, (4)					
REF NO 4-05-307					
DRY MATTER	%	86.8	100.0		1
ORGANIC MATTER	%	82.2	94.7		
ASH	%	4.6	5.3		1
CRUDE FIBER	%	6.6	7.6		1
ETHER EXTRACT	%	3.9	4.5		1
NITROGEN FREE EXTRACT	%	56.9	65.6		1
PROTEIN	%	14.8	17.1		1
CATTLE	DIG PROT % *	10.1	11.7		
GOATS	DIG PROT % *	11.2	12.9		
HORSES	DIG PROT % *	11.2	12.9		
SHEEP	DIG PROT % *	11.2	12.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.85	3.28		
SHEEP	DE MCAL/KG *	3.00	3.46		
SWINE	DE KCAL/KG *	3029.	3490.		
CATTLE	ME MCAL/KG *	2.34	2.69		
SHEEP	ME MCAL/KG *	2.46	2.83		
SWINE	ME KCAL/KG *	2804.	3230.		
CATTLE	NE-M MCAL/KG *	1.45	1.68		
CATTLE	NE-GAIN MCAL/KG *	0.95	1.10		
CATTLE	NE-LACTATION MCAL/KG *	1.60	1.85		
CATTLE	TDN % *	64.6	74.4		
SHEEP	TDN % *	68.0	78.4		
SWINE	TDN % *	68.7	79.2		
TRITICUM DURUM, WHEAT, DURUM					
TRITICUM DURUM DURUM, HULLS W GERM, (1)					
REF NO 1-13-423					
DRY MATTER	%	90.5	100.0		1
ORGANIC MATTER	%	83.3	92.0		
ASH	%	7.2	8.0		1
CRUDE FIBER	%	23.9	26.4		1
ETHER EXTRACT	%	2.0	2.2		1
NITROGEN FREE EXTRACT	%	38.2	42.2		1
PROTEIN	%	19.2	21.2		1
CATTLE	DIG PROT % *	13.9	15.3		
GOATS	DIG PROT % *	14.8	16.4		
HORSES	DIG PROT % *	14.1	15.5		
RABBITS	DIG PROT % *	13.6	15.0		
SHEEP	DIG PROT % *	14.1	15.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.55	2.82		
HORSES	DE MCAL/KG *	1.93	2.13		
SHEEP	DE MCAL/KG *	2.46	2.72		
CATTLE	ME MCAL/KG *	2.09	2.31		
HORSES	ME MCAL/KG *	1.58	1.75		
SHEEP	ME MCAL/KG *	2.02	2.23		
CATTLE	NE-M MCAL/KG *	1.25	1.38		
CATTLE	NE-GAIN MCAL/KG *	0.71	0.79		
CATTLE	NE-LACTATION MCAL/KG *	1.34	1.48		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *	57.8	63.8		
HORSES	TDN % *	48.[illegible]	53.6		
SHEEP	TDN % *	55.8	61.7		
CALCIUM	%	0.31	0.34		1
COPPER	MG/KG	375.5	414.9		1
IRON	%	0.028	0.031		1
MAGNESIUM	%	0.80	0.88		1
MANGANESE	MG/KG	159.3	176.0		1

TRITICUM DURUM DUHUM, AERIAL PART, FRESH, (2)

REF NO 2-13-415

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.6		
ASH	%		7.4		1
CRUDE FIBER	%		36.5		1
ETHER EXTRACT	%		1.2		1
NITROGEN FREE EXTRACT	%		49.2		1
PROTEIN	%		5.6		1
CATTLE DIG PROT	% *		2.6		
GOATS DIG PROT	% *		1.8		
HORSES DIG PROT	% *		2.3		
RABBITS DIG PROT	% *		3.0		
SHEEP DIG PROT	% *		2.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.26		
SHEEP DE	MCAL/KG *		2.43		
CATTLE ME	MCAL/KG *		1.85		
SHEEP ME	MCAL/KG *		1.99		
CATTLE NE-M	MCAL/KG *		1.09		
CATTLE NE-GAIN	MCAL/KG *		0.33		
CATTLE NE-LACTATION	MCAL/KG *		1.05		
CATTLE TDN	% *		51.3		
SHEEP TDN	% *		55.1		
CALCIUM	%		0.22		1
IRON	%		0.025		1
MAGNESIUM	%		0.15		1
MANGANESE	MG/KG		54.5		1

TRITICUM DURUM DURUM, BRAN, (4)

REF NO 4-13-411

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.2	100.0	6	19
ORGANIC MATTER	%	82.5	93.6	25	3
ASH	%	5.8	6.6	25	19
SHEEP DIG COEF	%	34.	34.		
CRUDE FIBER	%	10.8	12.3	16	19
SHEEP DIG COEF	%	33.	33.		3
ETHER EXTRACT	%	3.4	3.9	30	19
SHEEP DIG COEF	%	50.	50.		3
NITROGEN FREE EXTRACT	%	52.3	59.3	10	19
SHEEP DIG COEF	%	72.	72.		3
PROTEIN	%	15.9	18.0	28	19
SHEEP DIG COEF	%	74.	74.		3
CATTLE DIG PROT	% *	11.1	12.5		
GOATS DIG PROT	% *	12.1	13.7		
HORSES DIG PROT	% *	12.1	13.7		
SHEEP DIG PROT	%	11.7	13.3		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.53	2.87		
SHEEP DE	MCAL/KG *	2.49	2.83		
SWINE DE	KCAL/KG *	2474.	3032.		
CATTLE ME	MCAL/KG *	2.07	2.35		
SHEEP ME	MCAL/KG *	2.05	2.32		
SWINE ME	KCAL/KG *	2470.	2801.		
CATTLE NE-M	MCAL/KG *	1.24	1.41		
CATTLE NE-GAIN	MCAL/KG *	0.73	0.83		
CATTLE NE-LACTATION	MCAL/KG *	1.34	1.52		
CATTLE TDN	% *	57.4	65.1		
SHEEP TDN	%	56.6	64.1		3
SWINE TDN	% *	60.7	68.8		

TRITICUM DURUM DURUM, BRAN, DRY MILLED, (4)

REF NO 4-05-222

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	81.7	100.0		1
ORGANIC MATTER	%	75.3	92.2		
ASH	%	6.4	7.8		1
CRUDE FIBER	%	12.4	15.2		1
ETHER EXTRACT	%	4.6	5.6		1
NITROGEN FREE EXTRACT	%	48.1	58.9		1
PROTEIN	%	10.2	12.5		1
CATTLE DIG PROT	% *	6.1	7.5		
GOATS DIG PROT	% *	7.1	8.7		
HORSES DIG PROT	% *	7.1	8.7		
SHEEP DIG PROT	% *	7.1	8.7		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.13	2.60		
SHEEP DE	MCAL/KG *	2.47	3.03		
SWINE DE	KCAL/KG *	2338.	2862.		
CATTLE ME	MCAL/KG *	1.74	2.14		
SHEEP ME	MCAL/KG *	2.03	2.48		
SWINE ME	KCAL/KG *	2186.	2675.		
CATTLE NE-M	MCAL/KG *	1.03	1.26		
CATTLE NE-GAIN	MCAL/KG *	0.51	0.63		
CATTLE NE-LACTATION	MCAL/KG *	1.08	1.32		
CATTLE TDN	% *	48.3	59.1		
SHEEP TDN	% *	56.1	68.7		
SWINE TDN	% *	53.0	64.9		

TRITICUM DUHUM DURUM, BRAN W GERM, (4)

REF NO 4-13-412

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.2	100.0		2
ORGANIC MATTER	%	82.7	94.9		1
ASH	%	4.5	5.2		2
SHEEP DIG COEF	%	27.	27.		
CRUDE FIBER	%	7.3	8.4		2
SHEEP DIG COEF	%	4.	4.		1
ETHER EXTRACT	%	2.8	3.3		2
SHEEP DIG COEF	%	43.	43.		1
NITROGEN FREE EXTRACT	%	54.4	62.4		2
SHEEP DIG COEF	%	80.	80.		1
PROTEIN	%	18.1	20.8		2
SHEEP DIG COEF	%	79.	79.		1
CATTLE DIG PHOT	% *	13.2	15.1		
GOATS DIG PHOT	% *	14.2	16.3		
HORSES DIG PROT	% *	14.2	16.3		
SHEEP DIG PROT	%	14.3	16.4		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *	2.68	3.08		
SWINE DE	KCAL/KG *	2911.	3340.		
SHEEP ME	MCAL/KG *	2.20	2.52		
SWINE ME	KCAL/KG *	2673.	3067.		
SHEEP TDN	%	60.9	69.8		1
SWINE TDN	% *	66.0	75.8		

TRITICUM DUHUM DURUM, FLOUR BY-PRODUCT, (4)

REF NO 4-13-782

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.6	100.0		1
ORGANIC MATTER	%	82.6	93.2		
ASH	%	6.0	6.8		1
CRUDE FIBER	%	11.7	13.2		1
ETHER EXTRACT	%	2.4	2.7		1
NITROGEN FREE EXTRACT	%	54.4	61.4		1
PROTEIN	%	14.1	15.9		1
CATTLE DIG PROT	% *	9.4	10.6		
GOATS DIG PHOT	% *	10.5	11.8		
HORSES DIG PROT	% *	10.5	11.8		
SHEEP DIG PROT	% *	10.5	11.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.31	2.61		
SHEEP DE	MCAL/KG *	2.86	3.23		
SWINE DE	KCAL/KG *	2600.	2935.		
CATTLE ME	MCAL/KG *	1.89	2.14		
SHEEP ME	MCAL/KG *	2.35	2.65		
SWINE ME	KCAL/KG *	2413.	2723.		
CATTLE NE-M	MCAL/KG *	1.12	1.26		
CATTLE NE-GAIN	MCAL/KG *	0.56	0.63		
CATTLE NE-LACTATION	MCAL/KG *	1.17	1.32		
CATTLE TDN	% *	52.4	59.1		
SHEEP TDN	% *	65.0	73.3		
SWINE TDN	% *	59.0	66.6		

TRITICUM DURUM DURUM, FLOUR BY-PRODUCT MILL RUN, MX 9.5% FIBER, (4)

REF NO 4-13-418

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.6	100.0		2
ORGANIC MATTER	%	86.8	94.8		
ASH	%	4.8	5.2		2
CRUDE FIBER	%	7.8	8.6		2
ETHER EXTRACT	%	7.0	7.7		2
NITROGEN FREE EXTRACT	%	55.2	60.3		2
PROTEIN	%	16.7	18.2		2
CATTLE DIG PROT	% *	11.7	12.8		
GOATS DIG PROT	% *	12.8	14.0		
HORSES DIG PROT	% *	12.8	14.0		
SHEEP DIG PROT	% *	12.8	14.0		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.35	3.66		
SHEEP DE	MCAL/KG *	3.21	3.50		
SWINE DE	KCAL/KG *	3290.	3594.		
CATTLE ME	MCAL/KG *	2.75	3.00		
SHEEP ME	MCAL/KG *	2.63	2.87		
SWINE ME	KCAL/KG *	3037.	3318.		
CATTLE NE-M	MCAL/KG *	1.80	1.96		
CATTLE NE-GAIN	MCAL/KG *	1.20	1.31		
CATTLE NE-LACTATION	MCAL/KG *	1.96	2.14		
CATTLE TDN	% *	76.0	83.0		
SHEEP TDN	% *	72.7	79.4		
SWINE TDN	% *	74.6	81.5		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRITICUM DURUM DURUM, GRAIN, (4)						
REF NO 4-05-224						
DRY MATTER		%	88.8	100.0		1
ORGANIC MATTER		%	87.2	98.2		
ASH		%	1.6	1.8		1
CRUDE FIBER		%	1.9	2.1		1
ETHER EXTRACT		%	1.4	1.6		1
NITROGEN FREE EXTRACT		%	70.8	79.7		1
PROTEIN		%	13.1	14.8		1
CATTLE	DIG PROT % *		8.5	9.6		
GOATS	DIG PROT % *		9.5	10.8		
HORSES	DIG PROT % *		9.5	10.8		
SHEEP	DIG PROT % *		9.5	10.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		3.22	3.63		
SHEEP	DE MCAL/KG *		3.42	3.85		
SWINE	DE KCAL/KG *		3356.	3779.		
CATTLE	ME MCAL/KG *		2.64	2.98		
SHEEP	ME MCAL/KG *		2.81	3.16		
SWINE	ME KCAL/KG *		3122.	3515.		
CATTLE	NE-M MCAL/KG *		1.72	1.94		
CATTLE	NE-GAIN MCAL/KG *		1.15	1.29		
CATTLE	NE-LACTATION MCAL/KG *		1.88	2.12		
CATTLE	TDN % *		73.1	82.3		
SHEEP	TDN % *		77.6	87.4		
SWINE	TDN % *		76.1	85.7		
CALCIUM		%	0.05	0.06		1
IRON		%	0.018	0.020		1
MAGNESIUM		%	0.14	0.16		1
MANGANESE		MG/KG	31.1	35.0		1
TRITICUM DURUM DURUM, GERM, (5)						
REF NO 5-05-223						
DRY MATTER		%	85.1	100.0		1
ORGANIC MATTER		%	81.0	95.2		
ASH		%	4.1	4.8		1
CRUDE FIBER		%	3.1	3.6		1
ETHER EXTRACT		%	12.3	14.5		1
NITROGEN FREE EXTRACT		%	35.0	41.1		1
PROTEIN		%	30.6	36.0		1
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.93	3.44		
SHEEP	DE MCAL/KG *		3.76	4.42		
CATTLE	ME MCAL/KG *		2.40	2.82		
SHEEP	ME MCAL/KG *		3.09	3.63		
CATTLE	NE-M MCAL/KG *		1.52	1.79		
CATTLE	NE-GAIN MCAL/KG *		1.01	1.19		
CATTLE	NE-LACTATION MCAL/KG *		1.68	1.97		
CATTLE	TDN % *		66.4	78.1		
SHEEP	TDN % *		85.4	100.3		
TRITICUM SPP. WHEAT						
TRITICUM SPP, CHAFF, S-C, (1)						
REF NO 1-05-192						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.9		
ASH		%		5.1		2
CRUDE FIBER		%		23.6		2
ETHER EXTRACT		%		2.1		2
NITROGEN FREE EXTRACT		%		60.0		2
PROTEIN		%		9.2		2
CATTLE	DIG PROT % *			4.9		
GOATS	DIG PROT % *			5.2		
HORSES	DIG PROT % *			5.3		
RABBITS	DIG PROT % *			5.8		
SHEEP	DIG PROT % *			4.8		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *			2.61		
HORSES	DE MCAL/KG *			1.74		
SHEEP	DE MCAL/KG *			2.58		
CATTLE	ME MCAL/KG *			2.14		
HORSES	ME MCAL/KG *			1.42		
SHEEP	ME MCAL/KG *			2.12		
CATTLE	NE-M MCAL/KG *			1.26		
CATTLE	NE-GAIN MCAL/KG *			0.63		
CATTLE	NE-LACTATION MCAL/KG *			1.32		
CATTLE	TDN % *			59.1		
HORSES	TDN % *			42.9		
SHEEP	TDN % *			(58.6)		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRITICUM SPP, STRAW, (1)						
REF NO 1-05-175						
DRY MATTER		%	(90.9)	(100.0)	4	21
ORGANIC MATTER		%	84.1	92.5		
ASH		%	6.9	7.5	31	8
SHEEP	DIG COEF %		56.	56.		
CRUDE FIBER		%	37.2	40.9	13	18
CATTLE	DIG COEF %		58.	58.		1
HORSES	DIG COEF %		48.	48.		2
SHEEP	DIG COEF %		51.	51.		2
ETHER EXTRACT		%	1.4	1.5	16	7
CATTLE	DIG COEF %		42.	42.		1
HORSES	DIG COEF %		82.	82.		2
SHEEP	DIG COEF %		44.	44.		1
NITROGEN FREE EXTRACT		%	41.3	45.5	8	8
CATTLE	DIG COEF %		49.	49.		1
HORSES	DIG COEF %		37.	37.		2
SHEEP	DIG COEF %		40.	40.		2
PROTEIN		%	4.1	4.5	36	18
CATTLE	DIG COEF %		14.	14.		1
HORSES	DIG COEF %		19.	19.		2
SHEEP	DIG COEF %		8.	8.		1
CATTLE	DIG PROT %		0.6	0.6		
GOATS	DIG PROT % *		0.7	0.8		
HORSES	DIG PROT %		0.8	0.9		
RABBITS	DIG PROT % *		2.0	2.1		
SHEEP	DIG PROT %		(0.3)	(0.4)		
CELLULOSE (MATRONE)		%	(45.6)	(50.1)		1
PENTOSANS		%	(10.5)	(11.5)		1
STARCH		%	(1.0)	(1.1)		1
LIGNIN (ELLIS)		%	11.6	12.8		2
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		1.93	2.12		
HORSES	DE MCAL/KG *		1.48	1.63		
SHEEP	DE MCAL/KG *		1.62	1.79		
CATTLE	ME MCAL/KG *		1.58	1.74		
HORSES	ME MCAL/KG *		1.22	1.34		
SHEEP	ME MCAL/KG *		1.33	1.46		
CATTLE	NE-M MCAL/KG *		0.94	1.03		
CATTLE	NE-GAIN MCAL/KG *		0.18	0.20		
CATTLE	NE-LACTATION MCAL/KG *		0.86	0.94		
CATTLE	TDN %		43.7	48.1		1
HORSES	TDN %		36.3	39.9		2
SHEEP	TDN %		36.8	40.5		2
CALCIUM		%	(0.20)	(0.22)	55	11
CHLORINE		%	(0.30)	(0.33)		1
COPPER		MG/KG	(2.8)	(3.1)		1
IRON		%	(0.016)	(0.017)		1
MAGNESIUM		%	(0.11)	(0.12)		1
MANGANESE		MG/KG	50.0	55.0		1
PHOSPHORUS		%	(0.06)	(0.07)	85	11
POTASSIUM		%	(1.16)	(1.27)		1
SODIUM		%	(0.13)	(0.14)		1
SULPHUR		%	(0.17)	(0.18)		1
RIBOFLAVIN		MG/KG	1.0	1.1		1
VITAMIN A EQUIV		IU/G	1.5	1.7		
TRITICUM SPP, STRAW, S-C, POST RIPE, (1)						
REF NO 1-10-873						
DRY MATTER		%	88.5	100.0		1
ORGANIC MATTER		%	72.7	82.1		1
ASH		%	15.8	17.9		1
SHEEP	DIG COEF %		57.	57.		
PROTEIN		%	3.5	3.9		1
SHEEP	DIG COEF %		14.	14.		1
CATTLE	DIG PROT % *		0.3	0.3		
GOATS	DIG PROT % *		0.2	0.2		
HORSES	DIG PROT % *		0.7	0.8		
RABBITS	DIG PROT % *		1.5	1.7		
SHEEP	DIG PROT %		0.5	0.5		
CELL WALLS (VAN SOEST)		%	74.9	84.6		1
FIBER, ACID DETERGENT (VS)		%	51.1	57.7		1
LIGNIN (VAN SOEST)		%	9.7	11.0		1
ENERGY	GE KCAL/KG		3869.	4372.		1
SHEEP	GE DIG COEF %		43.	43.		1
SHEEP	DE MCAL/KG		1.66	1.88		1
SHEEP	ME MCAL/KG *		1.36	1.54		
SHEEP	TDN % *					
TRITICUM SPP, STUBBLE, (1)						
REF NO 1-13-420						
DRY MATTER		%	94.0	100.0		1
ORGANIC MATTER		%	77.1	82.0		
ASH		%	16.9	18.0		1
CRUDE FIBER		%	33.3	35.4		1
ETHER EXTRACT		%	0.8	0.8		1
NITROGEN FREE EXTRACT		%	39.7	42.2		1
PROTEIN		%	3.4	3.6		1
CATTLE	DIG PROT % *		0.1	0.1		
GOATS	DIG PROT % *		-0.1	-0.1		
HORSES	DIG PROT % *		0.6	0.6		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT % *	1.4	1.4		
SHEEP	DIG PROT % *	-0.2	-0.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.71	1.81		
HORSES	DE MCAL/KG *	1.30	1.39		
SHEEP	DE MCAL/KG *	1.80	1.92		
CATTLE	ME MCAL/KG *	1.40	1.49		
HORSES	ME MCAL/KG *	1.07	1.14		
SHEEP	ME MCAL/KG *	1.48	1.57		
CATTLE	NE-M MCAL/KG *	0.85	0.91		
CATTLE	NE-GAIN MCAL/KG *	-0.12	-0.12		
CATTLE	NE-LACTATION MCAL/KG *	0.66	0.70		
CATTLE	TDN % *	38.7	41.2		
HORSES	TDN % *	31.2	33.2		
SHEEP	TDN % *	40.8	43.5		
CALCIUM	%	0.06	0.06		1
PHOSPHORUS	%	0.22	0.23		1
ACID INSOLUBLE ASH (SILICA)	%	11.75	12.50		1

TRITICUM SPP. BRAN. (4)

REF NO 4-05-191

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.3	100.0	2	93
ORGANIC MATTER	%	82.6	93.6	25	4
ASH	%	5.6	6.4	25	97
CRUDE FIBER	%	9.2	10.4	20	99
ETHER EXTRACT	%	3.6	4.1	37	98
NITROGEN FREE EXTRACT	%	54.4	61.5	6	84
PROTEIN	%	15.6	17.6	11	98
CATTLE	DIG PROT % *	10.8	12.2		
GOATS	DIG PROT % *	11.8	13.4		
HORSES	DIG PROT % *	11.8	13.4		
SHEEP	DIG PROT % *	11.8	13.4		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.64	2.99		
SHEEP	DE MCAL/KG *	2.91	3.29		
SWINE	DE KCAL/KG *	2844.	3220.		
CATTLE	ME MCAL/KG *	2.17	2.45		
SHEEP	ME MCAL/KG *	2.38	2.70		
SWINE	ME KCAL/KG *	2629.	2977.		
CATTLE	NE-M MCAL/KG *	1.31	1.49		
CATTLE	NE-GAIN MCAL/KG *	0.81	0.91		
CATTLE	NE-LACTATION MCAL/KG *	1.43	1.62		
CATTLE	TDN % *	60.0	67.9		
SHEEP	TDN % *	66.0	74.7		
SWINE	TDN % *	64.5	73.0		
CALCIUM	%	0.41	0.46	98	9
MAGNESIUM	%	0.30	0.34		2
PHOSPHORUS	%	0.78	0.88	64	11
POTASSIUM	%	2.11	2.39		1
SODIUM	%	0.02	0.02		1
ALANINE	%	0.46	0.52		1
ARGININE	%	0.90	1.02		3
CYSTINE	%	0.29	0.32		3
GLYCINE	%	0.52	0.59		1
HISTIDINE	%	0.38	0.43		3
ISOLEUCINE	%	0.59	0.67		3
LEUCINE	%	0.97	1.10		3
LYSINE	%	0.63	0.72	33	4
METHIONINE	%	0.23	0.26	19	4
PHENYLALANINE	%	0.60	0.68		3
PROLINE	%	1.57	1.78		1
SERINE	%	0.58	0.66		1
THREONINE	%	0.49	0.55		3
TRYPTOPHAN	%	0.28	0.31		3
TYROSINE	%	0.55	0.62		1
VALINE	%	0.77	0.87		3

TRITICUM SPP. BRAN. DRY MILLED. (4)
BRAN (CFA)
WHEAT BRAN (AAFCO)

REF NO 4-05-190

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.4	100.0	1	41
ORGANIC MATTER	%	84.4	94.4	10	2
ASH	%	5.4	6.1	10	13
CRUDE FIBER	%	10.5	11.8	22	26
CATTLE	DIG COEF %	44.	44.		1
HORSES	DIG COEF %	50.	50.		2
SWINE	DIG COEF %	23.	23.		1
ETHER EXTRACT	%	4.6	5.2	12	17
CATTLE	DIG COEF %	62.	62.		1
HORSES	DIG COEF %	57.	57.		2
SWINE	DIG COEF %	58.	58.		1
NITROGEN FREE EXTRACT	%	52.7	58.9	6	11
CATTLE	DIG COEF %	75.	75.		1
HORSES	DIG COEF %	74.	74.		2
SWINE	DIG COEF %	69.	69.		1
PROTEIN	%	16.2	18.1	11	30
CATTLE	DIG COEF %	78.	78.		1
HORSES	DIG COEF %	85.	85.		2
SWINE	DIG COEF %	76.	76.		1
CATTLE	DIG PROT %	12.6	14.1		
GOATS	DIG PROT % *	12.3	13.8		
HORSES	DIG PROT %	13.6	15.3		
SHEEP	DIG PROT % *	12.3	13.8		
SWINE	DIG PROT %	(12.3)	(13.7)		
CELLULOSE (HATRUNE)	%	(13.7)	(15.4)		1
PENTOSANS	%	29.5	33.0		1
SUGARS, TOTAL	%	58.1	65.0		2
FATTY ACIDS	%				
LINOLEIC	%	1.707	1.910		1
ENERGY	GE KCAL/KG	2930.	3334.	43	4
CATTLE	DE MCAL/KG *	2.79	3.12		
SHEEP	DE MCAL/KG *	2.89	3.23		
SWINE	DE KCAL/KG *	2517.	2816.		
CATTLE	ME MCAL/KG *	2.28	2.56		
CHICKENS	ME-N KCAL/KG	1048.	1172.	58	5
SHEEP	ME MCAL/KG *	2.37	2.65		
SWINE	ME KCAL/KG *	2324.	2600.		
CATTLE	NE-M MCAL/KG *	1.40	1.56		
CATTLE	NE-GAIN MCAL/KG *	0.89	0.99		
CATTLE	NE-LACTATION MCAL/KG *	1.54	1.72		
CATTLE	TDN %	63.2	70.7		1
HORSES	TDN %	63.5	71.1		2
SHEEP	TDN % *	65.5	73.3		
SWINE	TDN %	57.1	63.9		1
CALCIUM	%	(0.24)	(0.27)	98	11
CHLORINE	%	(0.06)	(0.07)		3
COBALT	MG/KG	(0.097)	(0.109)		1
COPPER	MG/KG	(14.0)	(15.7)		2
IODINE	MG/KG	(0.074)	(0.083)		1
IRON	%	(0.017)	(0.019)		1
MAGNESIUM	%	(0.52)	(0.58)		3
MANGANESE	MG/KG	113.0	126.5		3
PHOSPHORUS	%	(1.12)	(1.25)	10	10
CHICKENS, CHICKS AVAILABLE	%	(0.34)	(0.38)		2
POTASSIUM	%	1.19	1.33	6	4
SALT (NACL)	%	(0.12)	(0.14)		2
SODIUM	%	(0.05)	(0.06)	60	4
SULPHUR	%	(0.22)	(0.25)		1
A-TOCOPHEROL	MG/KG	(13.5)	(15.1)		2
BIOTIN	MG/KG	0.46	0.54		1
CHOLINE	MG/KG	(796.)	(890.)	66	4
FOLIC ACID	MG/KG	1.22	1.37		2
NIACIN	MG/KG	(186.3)	(208.4)	22	4
PANTOTHENIC ACID	MG/KG	31.0	34.7	6	7
RIBOFLAVIN	MG/KG	(4.6)	(5.1)	48	9
THIAMINE	MG/KG	(8.0)	(8.9)		1
VITAMIN B6	MG/KG	10.04	11.24		1
VITAMIN A EQUIV	IU/G	(4.4)	(4.9)		
ARGININE	%	(0.98)	(1.10)	11	5
CYSTINE	%	(0.25)	(0.28)	16	4
GLYCINE	%	(0.90)	(1.01)		4
HISTIDINE	%	(0.34)	(0.38)	21	4
ISOLEUCINE	%	(0.59)	(0.66)	4	4
LEUCINE	%	(0.91)	(1.02)	1	4
LYSINE	%	(0.59)	(0.66)	8	5
METHIONINE	%	(0.17)	(0.19)	29	5
PHENYLALANINE	%	(0.49)	(0.55)	9	4
SERINE	%	(0.90)	(1.01)		1
THREONINE	%	(0.42)	(0.47)	17	4
TRYPTOPHAN	%	(0.31)	(0.34)	20	5
TYROSINE	%	(0.40)	(0.45)		2
VALINE	%	0.74	0.82	7	4

TRITICUM SPP. ENDOSPERM. (4)

REF NO 4-05-197

NAME OR NUTRIENT	UNIT	DRY	CV	NO
DRY MATTER	%	100.0		
CRUDE FIBER	%	0.9		3
ETHER EXTRACT	%	1.7		3

TRITICUM SPP. FLOUR BY-PRODUCT. (4)

REF NO 4-13-784

NAME OR NUTRIENT	UNIT	DRY	CV	NO
DRY MATTER	%	100.0		
ORGANIC MATTER	%	95.0		
ASH	%	5.0		1
CRUDE FIBER	%	10.7		1
ETHER EXTRACT	%	5.6		1
NITROGEN FREE EXTRACT	%	63.5		1
PROTEIN	%	15.1		1
CATTLE	DIG PROT % *	9.9		
GOATS	DIG PROT % *	11.1		
HORSES	DIG PROT % *	11.1		
SHEEP	DIG PROT % *	11.1		
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.25		
SHEEP	DE MCAL/KG *	3.35		
SWINE	DE KCAL/KG *	3359.		
CATTLE	ME MCAL/KG *	2.66		
SHEEP	ME MCAL/KG *	2.74		
SWINE	ME KCAL/KG *	3122.		
CATTLE	NE-M MCAL/KG *	1.65		
CATTLE	NE-GAIN MCAL/KG *	1.08		
CATTLE	NE-LACTATION MCAL/KG *	1.82		
CATTLE	TDN % *	73.7		
SHEEP	TDN % *	75.9		
SWINE	TDN % *	76.2		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRITICUM SPP, FLOUR BY-PRODUCT, COARSE SIFTED, MX 7% FIBER, (4) SHORTS, MX 8% FIBER (CFA) WHEAT SHORTS, MX 7% FIBER (AAFCO)						
REF NO 4-05-201						
DRY MATTER		%	88.4	100.0	2	31
ORGANIC MATTER		%	(84.1)	(95.1)		
ASH		%	(4.3)	(4.9)	33	18
SHEEP	DIG COEF	%	(16.)	(16.)		
CRUDE FIBER		%	(6.8)	(7.7)	35	27
SHEEP	DIG COEF	%	(60.)	(60.)		1
ETHER EXTRACT		%	(4.6)	(5.2)	20	23
SHEEP	DIG COEF	%	(85.)	(85.)		1
NITROGEN FREE EXTRACT		%	(56.1)	(63.4)	4	8
SHEEP	DIG COEF	%	(85.)	(85.)		1
PROTEIN		%	(16.6)	(18.7)	7	28
SHEEP	DIG COEF	%	(85.)	(85.)		1
CATTLE	DIG PROT	% *	(11.7)	(13.2)		
GOATS	DIG PROT	% *	(12.7)	(14.4)		
HORSES	DIG PROT	% *	(12.7)	(14.4)		
SHEEP	DIG PROT	%	(14.1)	(15.9)		
STARCH		%	(19.3)	(21.8)	11	9
FATTY ACIDS		%				
LINOLEIC		%	(1.670)	(1.889)		1
ENERGY	GE	KCAL/KG	(4085.)	(4620.)		1
CATTLE	DE	MCAL/KG *	(3.09)	(3.49)		
SHEEP	DE	MCAL/KG *	(3.29)	(3.72)		
SWINE	DE	KCAL/KG *	(2975.)	(3364.)		
CATTLE	ME	MCAL/KG *	(2.53)	(2.86)		
CHICKENS	ME-N	KCAL/KG	(2420.)	(2738.)	17	4
SHEEP	ME	MCAL/KG *	(2.70)	(3.05)		
SWINE	ME	KCAL/KG	(2659.)	(3007.)		1
CATTLE	NE-M	MCAL/KG *	(1.62)	(1.83)		
CATTLE	NE-GAIN	MCAL/KG *	(1.08)	(1.22)		
CATTLE	NE-LACTATION	MCAL/KG *	(1.78)	(2.01)		
CHICKENS	PRODUCTIVE	KCAL/KG	(1679.)	(1898.)		2
CATTLE		TDN % *	(70.0)	(79.2)		
SHEEP		TDN %	(74.7)	(84.5)		1
SWINE		TDN %	(67.5)	(76.3)		1
CALCIUM		%	(0.16)	(0.18)	98	20
CHLORINE		%	(0.07)	(0.08)		1
COBALT		MG/KG	(0.106)	(0.120)	16	10
COPPER		MG/KG	(11.8)	(13.3)	18	11
IODINE		MG/KG	(0.111)	(0.126)		1
IRON		%	(0.007)	(0.008)	23	11
MAGNESIUM		%	(0.26)	(0.29)	11	10
MANGANESE		MG/KG	(107.8)	(122.0)	25	13
PHOSPHORUS		%	(0.85)	(0.96)	14	18
CHICKENS, CHICKS AVAILABLE		%	(0.23)	(0.26)		2
POTASSIUM		%	0.93	1.05	10	11
SALT (NACL)		%	(0.13)	(0.15)		2
SELENIUM		MG/KG	(0.435)	(0.492)	63	10
SODIUM		%	(0.02)	(0.02)	54	11
ZINC		MG/KG	(108.7)	(122.9)	22	10
A-TOCOPHEROL		MG/KG	(48.4)	(54.8)		3
BIOTIN		MG/KG	(0.36)	(0.41)		1
CHOLINE		MG/KG	(1808.)	(2045.)	27	14
FOLIC ACID		MG/KG	(1.55)	(1.75)	18	11
NIACIN		MG/KG	(98.8)	(111.7)	29	14
PANTOTHENIC ACID		MG/KG	(22.4)	(25.3)	19	14
RIBOFLAVIN		MG/KG	(4.0)	(4.6)	32	15
THIAMINE		MG/KG	(19.9)	(22.5)	9	11
VITAMIN B6		MG/KG	(10.81)	(12.22)		1
VITAMIN A		IU/G	(5.2)	(5.9)		1
ALANINE		%	(0.95)	(1.08)	7	9
ARGININE		%	(1.17)	(1.32)	14	14
ASPARTIC ACID		%	(1.35)	(1.52)	5	9
CYSTINE		%	(0.34)	(0.38)	26	13
GLUTAMIC ACID		%	(3.16)	(3.57)	6	9
GLYCINE		%	(0.84)	(0.95)	30	13
HISTIDINE		%	(0.45)	(0.51)	12	12
ISOLEUCINE		%	(0.58)	(0.66)	10	12
LEUCINE		%	(1.10)	(1.25)	6	11
LYSINE		%	(0.80)	(0.90)	10	14
METHIONINE		%	(0.26)	(0.29)	20	14
PHENYLALANINE		%	(0.68)	(0.77)	6	12
PROLINE		%	(0.99)	(1.12)	4	9
SERINE		%	(0.78)	(0.88)	4	9
THREONINE		%	(0.60)	(0.68)	7	12
TRYPTOPHAN		%	(0.22)	(0.24)	16	5
TYROSINE		%	(0.49)	(0.55)	8	10
VALINE		%	(0.84)	(0.94)	10	12

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRITICUM SPP, FLOUR BY-PRODUCT, FINE SIFTED, MX 4% FIBER, (4) MIDDLINGS, MX 4.5% FIBER (CFA) WHEAT RED DOG, MX 4% FIBER (AAFCO)						
REF NO 4-05-203						
DRY MATTER		%	(88.1)	(100.0)	1	28
ORGANIC MATTER		%	84.8	96.2		
ASH		%	3.3	3.8	98	19
SHEEP	DIG COEF	%	10.	10.		
CRUDE FIBER		%	3.5	4.0	86	19
SHEEP	DIG COEF	%	43.	43.		2
ETHER EXTRACT		%	3.5	4.0	21	19
SHEEP	DIG COEF	%	87.	87.		2
SWINE	DIG COEF	%	26.	26.		1
NITROGEN FREE EXTRACT		%	62.0	70.4	8	8
SHEEP	DIG COEF	%	95.	95.		2
SWINE	DIG COEF	%	91.	91.		1
PROTEIN		%	15.8	17.9	11	20
SHEEP	DIG COEF	%	81.	81.		2
SWINE	DIG COEF	%	89.	89.		1
CATTLE	DIG PROT	% *	11.0	12.5		
GOATS	DIG PROT	% *	12.0	13.7		
HORSES	DIG PROT	% *	12.0	13.7		
SHEEP	DIG PROT	%	12.7	14.4		
SWINE	DIG PROT	%	(14.1)	(16.0)		
STARCH		%	44.0	49.9	10	9
FATTY ACIDS		%				
LINOLEIC		%	1.882	2.135		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.18	3.60		
SHEEP	DE	MCAL/KG *	3.51	3.98		
SWINE	DE	KCAL/KG *	3237.	3673.		
CATTLE	ME	MCAL/KG *	2.60	2.96		
CHICKENS	ME-N	KCAL/KG	1800.	2042.	69	4
SHEEP	ME	MCAL/KG *	2.88	3.27		
SWINE	ME	KCAL/KG *	2991.	3393.		
CATTLE	NE-M	MCAL/KG *	1.69	1.92		
CATTLE	NE-GAIN	MCAL/KG *	1.13	1.28		
CATTLE	NE-LACTATION	MCAL/KG *	(1.85)	(2.10)		
CHICKENS	PRODUCTIVE	KCAL/KG	1844.	2091.		1
CATTLE		TDN % *	72.0	81.7		
SHEEP		TDN %	79.7	90.4		2
SWINE		TDN %	(73.4)	(83.3)		1
CALCIUM		%	(0.09)	(0.10)	98	15
CHLORINE		%	(0.10)	(0.12)		3
COBALT		MG/KG	(0.113)	(0.128)	37	10
COPPER		MG/KG	(6.4)	(7.2)	29	11
IRON		%	(0.005)	(0.005)	26	11
MAGNESIUM		%	(0.16)	(0.18)	44	11
MANGANESE		MG/KG	(60.0)	(68.1)	41	14
PHOSPHORUS		%	(0.53)	(0.60)	24	15
CHICKENS, CHICKS AVAILABLE		%	(0.19)	(0.21)		2
POTASSIUM		%	(0.55)	(0.63)	31	11
SELENIUM		MG/KG	(0.302)	(0.342)	53	9
SODIUM		%	(0.12)	(0.14)	98	12
SULPHUR		%	(0.26)	(0.29)		2
ZINC		MG/KG	(64.2)	(72.9)	41	9
A-TOCOPHEROL		MG/KG	(40.5)	(45.9)		3
BIOTIN		MG/KG	(0.37)	(0.42)		1
CHOLINE		MG/KG	(1439.)	(1632.)	29	12
FOLIC ACID		MG/KG	(0.79)	(0.90)	34	10
NIACIN		MG/KG	(47.6)	(54.0)	41	14
PANTOTHENIC ACID		MG/KG	(13.3)	(15.1)	26	14
RIBOFLAVIN		MG/KG	(2.2)	(2.5)	27	14
THIAMINE		MG/KG	(22.9)	(26.0)	21	11
VITAMIN B6		MG/KG	(10.69)	(12.36)		1
ALANINE		%	(0.70)	(0.79)	9	9
ARGININE		%	(1.76)	(2.00)	98	16
ASPARTIC ACID		%	(0.96)	(1.09)	9	9
CYSTINE		%	(0.32)	(0.36)	30	13
GLUTAMIC ACID		%	(4.00)	(4.54)	12	9
GLYCINE		%	(0.63)	(0.71)	27	13
HISTIDINE		%	(0.37)	(0.42)	11	14
ISOLEUCINE		%	(0.58)	(0.66)	18	14
LEUCINE		%	(1.07)	(1.21)	9	14
LYSINE		%	(0.56)	(0.63)	16	16
METHIONINE		%	(0.21)	(0.24)	27	16
PHENYLALANINE		%	(0.64)	(0.73)	12	14
PROLINE		%	(1.21)	(1.37)	15	9
SERINE		%	(0.75)	(0.85)	13	10
THREONINE		%	(0.50)	(0.56)	10	14
TRYPTOPHAN		%	(0.21)	(0.23)	6	7
TYROSINE		%	(0.45)	(0.51)	9	12
VALINE		%	0.72	0.81	8	14

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
TRITICUM SPP, FLOUR BY-PRODUCT MILL RUN, MX 9.5% FIBER, (4) WHEAT MILL RUN (AAFCO)						
REF NO 4-05-206						
DRY MATTER		%	88.4	100.0	1	27
ORGANIC MATTER		%	80.0	90.5		
ASH		%	8.4	9.5		3
CRUDE FIBER		%	10.4	11.8	26	19
ETHER EXTRACT		%	3.9	4.4	16	19
NITROGEN FREE EXTRACT		%	49.8	56.3		3
PROTEIN		%	15.9	18.0	7	28
CATTLE	DIG PROT	% *	11.1	12.6		
GOATS	DIG PROT	% *	12.2	13.7		
HORSES	DIG PROT	% *	12.2	13.7		
SHEEP	DIG PROT	% *	12.2	13.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.26	2.56		
SHEEP	DE	MCAL/KG *	2.72	3.08		
SWINE	DE	KCAL/KG *	2597.	2937.		
CATTLE	ME	MCAL/KG *	1.85	2.10		
SHEEP	ME	MCAL/KG *	2.23	2.52		
SWINE	ME	KCAL/KG *	2398.	2713.		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M	MCAL/KG *	1.10	1.24		
CATTLE	NE-GAIN	MCAL/KG *	0.52	0.59		
CATTLE	NE-LACTATION	MCAL/KG *	1.13	1.28		
CATTLE		TDN % *	51.3	58.0		
SHEEP		TDN % *	61.7	69.8		
SWINE		TDN % *	58.9	66.6		

TRITICUM SPP, FLOUR BY-PRODUCT, MX 9.5% FIBER, (4)
WHEAT MIDDLINGS (AAFCO)
WHEAT STANDARD MIDDLINGS

REF NO 4-05-205

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.7	100.0	1	9
ORGANIC MATTER		%	83.5	95.3		
ASH		%	4.1	4.7	13	11
CRUDE FIBER		%	7.2	8.2	15	13
ETHER EXTRACT		%	4.6	5.2	20	13
NITROGEN FREE EXTRACT		%	55.9	63.7	5	8
PROTEIN		%	15.9	18.1	20	13
CATTLE	DIG PROT	% *	11.1	12.6		
GOATS	DIG PROT	% *	12.1	13.8		
HORSES	DIG PROT	% *	12.1	13.8		
SHEEP	DIG PROT	% *	12.1	13.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.03	3.46		
SHEEP	DE	MCAL/KG *	3.03	3.45		
SWINE	DE	KCAL/KG *	3076.	3509.		
CATTLE	ME	MCAL/KG *	2.49	2.84		
SHEEP	ME	MCAL/KG *	2.48	2.83		
SWINE	ME	KCAL/KG *	2841.	3240.		
CATTLE	NE-M	MCAL/KG *	1.58	1.81		
CATTLE	NE-GAIN	MCAL/KG *	1.05	1.20		
CATTLE	NE-LACTATION	MCAL/KG *	1.74	1.99		
CATTLE		TDN % *	68.8	78.5		
SHEEP		TDN % *	68.6	78.3		
SWINE		TDN % *	69.8	79.6		

TRITICUM SPP, FLOUR, COARSE BOLTED, FEED GR MX 2% FIBER, (4)
FEED FLOUR, MX 2.0% FIBER (CFA)
WHEAT FEED FLOUR, MX 1.5% FIBER (AAFCO)

REF NO 4-05-199

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.2	100.0	2	10
ORGANIC MATTER		%	85.8	99.5		
ASH		%	0.5	0.5	24	10
CRUDE FIBER		%	0.2	0.3	49	5
ETHER EXTRACT		%	0.6	0.7	42	5
NITROGEN FREE EXTRACT		%	72.9	84.5	9	5
PROTEIN		%	12.1	14.0	16	10
CATTLE	DIG PROT	% *	7.7	8.9		
GOATS	DIG PROT	% *	8.7	10.1		
HORSES	DIG PROT	% *	8.7	10.1		
SHEEP	DIG PROT	% *	8.7	10.1		
ENERGY	GE	KCAL/KG				
SWINE	DE	KCAL/KG *	3322.	3852.		
SWINE	ME	KCAL/KG *	3095.	3589.		
SWINE		TDN % *	75.3	87.4		

TRITICUM SPP, FLOUR, HUMAN GR, (4)

REF NO 4-05-200

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
CRUDE FIBER		%		0.9		1
ETHER EXTRACT		%		2.7		1
PROTEIN		%		18.2		1
CATTLE	DIG PROT	% *		12.7		
GOATS	DIG PROT	% *		13.9		
HORSES	DIG PROT	% *		13.9		
SHEEP	DIG PROT	% *		13.9		

TRITICUM SPP, GRAIN, (4)

REF NO 4-05-211

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.5	100.0		21
ORGANIC MATTER		%	(86.7)	(96.9)		
ASH		%	(2.8)	(3.1)	51	11
SHEEP	DIG COEF	%	(12.)	(12.)		
CRUDE FIBER		%	(3.8)	(4.3)	61	12
SHEEP	DIG COEF	%	(33.)	(33.)		1
ETHER EXTRACT		%	(2.6)	(2.9)	58	11
SHEEP	DIG COEF	%	(72.)	(72.)		1
NITROGEN FREE EXTRACT		%	(67.8)	(75.8)	9	10
SHEEP	DIG COEF	%	(92.)	(92.)		1
PROTEIN		%	(12.5)	(13.9)	16	16
CATTLE	DIG COEF	%	(78.)	(78.)		1
SHEEP	DIG COEF	%	(78.)	(78.)		2
SWINE	DIG COEF	%	(92.)	(92.)		1
CATTLE	DIG PROT	%	(9.7)	(10.9)		
GOATS	DIG PROT	% *	(9.0)	(10.0)		
HORSES	DIG PROT	% *	(9.0)	(10.0)		
SHEEP	DIG PROT	%	(9.7)	(10.9)		
SWINE	DIG PROT	%	(11.5)	(12.8)		
STARCH		%	(68.9)	(77.0)		1
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG	(3.47)	(3.88)		1
SHEEP	DE	MCAL/KG	(3.47)	(3.88)		1
SWINE	DE	KCAL/KG	(3629.)	(4056.)		1
CATTLE	ME	MCAL/KG	(2.85)	(3.18)		1
CHICKENS	ME-N	KCAL/KG	(3266.)	(3650.)		1
SHEEP	ME	MCAL/KG	(2.85)	(3.18)		1
SWINE	ME	KCAL/KG	(3398.)	(3798.)		1
CATTLE	NE-M	MCAL/KG *	(1.93)	(2.15)		
CATTLE	NE-GAIN	MCAL/KG *	(1.27)	(1.42)		
CATTLE	NE-LACTATION	MCAL/KG *	(2.07)	(2.31)		
CATTLE		TDN %	(78.7)	(88.0)		1
SHEEP		TDN %	(77.6)	(86.7)		2
SWINE		TDN %	82.3	92.0		1
CALCIUM		%	(0.11)	(0.12)	72	7
CHLORINE		%	(0.10)	(0.11)		1
IODINE		MG/KG	(0.044)	(0.049)		1
MAGNESIUM		%	0.16	0.18		1
PHOSPHORUS		%	(0.43)	(0.48)	46	6
POTASSIUM		%	(0.43)	(0.48)		2
SODIUM		%	(0.04)	(0.04)		1
A-TOCOPHEROL		MG/KG	(9.0)	(10.1)		1
BIOTIN		MG/KG	(0.07)	(0.07)		2
CHOLINE		MG/KG	(1009.)	(1128.)		1
FOLIC ACID		MG/KG	0.32	0.36		2
NIACIN		MG/KG	(6.5)	(7.3)		1
PANTOTHENIC ACID		MG/KG	11.5	12.9		1
RIBOFLAVIN		MG/KG	0.1	0.1		1
THIAMINE		MG/KG	0.4	0.4		1
ALANINE		%	1.10	1.22	98	5
ARGININE		%	1.13	1.26	98	6
ASPARTIC ACID		%	(1.39)	(1.56)	98	5
CYSTEINE		%	(0.27)	(0.30)		1
CYSTINE		%	0.16	0.18	23	4
GLUTAMIC ACID		%	4.02	4.49	36	4
GLYCINE		%	1.29	1.44	98	5
HISTIDINE		%	0.61	0.68	[illegible]	6
ISOLEUCINE		%	0.48	0.54	22	6
LEUCINE		%	1.81	2.02	98	6
LYSINE		%	0.36	0.4[illegible]	15	6
METHIONINE		%	0.32	0.35	99	5
PHENYLALANINE		%	(0.58)	(0.65)	9	6
PROLINE		%	3.19	3.56	98	5
SERINE		%	1.60	1.79	98	4
THREONINE		%	0.73	0.82	98	6
TRYPTOPHAN		%	0.19	0.21		3
TYROSINE		%	0.74	0.83	98	4
VALINE		%	1.24	1.38	98	5

TRITICUM SPP, GRAIN, GRND, (4)

REF NO 4-09-074

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	91.5	100.0		1
ORGANIC MATTER		%	89.0	97.2		
ASH		%	2.5	2.8	23	4
CRUDE FIBER		%	2.8	3.1		3
ETHER EXTRACT		%	3.1	3.4		3
NITROGEN FREE EXTRACT		%	68.2	74.6		3
PROTEIN		%	14.8	16.2	14	5
CATTLE	DIG PROT	% *	10.0	10.9		
GOATS	DIG PROT	% *	11.1	12.1		
HORSES	DIG PROT	% *	11.1	12.1		
SHEEP	DIG PROT	% *	11.1	12.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.33	3.64		
SHEEP	DE	MCAL/KG *	3.43	3.75		
SWINE	DE	KCAL/KG *	3425.	3743.		
CATTLE	ME	MCAL/KG *	2.73	2.98		
SHEEP	ME	MCAL/KG *	2.81	3.07		
SWINE	ME	KCAL/KG *	3176.	3471.		
CATTLE	NE-M	MCAL/KG *	1.78	1.94		
CATTLE	NE-GAIN	MCAL/KG *	1.19	1.30		
CATTLE	NE-LACTATION	MCAL/KG *	1.94	2.13		
CATTLE		TDN % *	75.5	82.5		
SHEEP		TDN % *	77.8	85.0		
SWINE		TDN % *	77.7	84.9		
CALCIUM		%	0.27	0.29		1
PHOSPHORUS		%	0.02	0.02		1
ALANINE		%	0.77	0.84		1
ARGININE		%	0.81	0.88		1
ASPARTIC ACID		%	1.65	1.80		1
CYSTINE		%	0.18	0.20		1
GLUTAMIC ACID		%	3.33	3.64		1
GLYCINE		%	0.59	0.64		1
HISTIDINE		%	0.36	0.39		1
ISOLEUCINE		%	0.48	0.53		1
LEUCINE		%	0.92	1.01		1
LYSINE		%	0.49	0.54		1
METHIONINE		%	0.23	0.25		1
PHENYLALANINE		%	0.81	0.88		1
SERINE		%	1.45	1.59		1
THREONINE		%	0.53	0.58		1
TRYPTOPHAN		%	0.19	0.21		1

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
TYROSINE	%	0.31	0.34		1
VALINE	%	0.75	0.82		1

TRITICUM SPP. GERM. (5)

REF NO 5-09-590

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.0	100.0		2
ORGANIC MATTER	%	85.0	94.5	31	1
ASH	%	5.9	6.6	31	4
CRUDE FIBER	%	2.1	2.3	66	4
ETHER EXTRACT	%	8.6	9.6	15	4
NITROGEN FREE EXTRACT	%	47.5	52.7	10	4
PROTEIN	%	25.9	28.8	13	4
SUGARS, TOTAL	%	46.1	51.2		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.33	3.70		
SHEEP DE MCAL/KG *		3.76	4.18		
CATTLE ME MCAL/KG *		2.73	3.04		
SHEEP ME MCAL/KG *		3.08	3.43		
CATTLE NE-M MCAL/KG *		1.80	2.00		
CATTLE NE-GAIN MCAL/KG *		1.20	1.33		
CATTLE NE-LACTATION MCAL/KG *		1.96	2.18		
CATTLE TDN % *		75.6	84.0		
SHEEP TDN % *		85.3	94.8		
CALCIUM	%	0.20	0.22		2
PHOSPHORUS	%	0.99	1.10		3
ARGININE	%	1.87	2.08		1
CYSTINE	%	0.47	0.52		1
HISTIDINE	%	0.58	0.64		1
ISOLEUCINE	%	0.87	0.97		1
LEUCINE	%	1.50	1.67		1
LYSINE	%	1.66	1.84		1
METHIONINE	%	0.41	0.46		1
PHENYLALANINE	%	1.00	1.11		1
THREONINE	%	1.00	1.11		1
TRYPTUPHAN	%	0.27	0.30		1
VALINE	%	(1.27)	(1.41)		1

TRITICUM SPP. GERM. GRNU. MN 25% PROTEIN MN 7% FAT. (5)
WHEAT GERM MEAL (AAFCO)

REF NO 5-05-218

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(88.2)	(100.0)	2	21
ORGANIC MATTER	%	83.7	94.9		
ASH	%	4.5	5.1	8	14
CRUDE FIBER	%	4.8	5.4	98	16
ETHER EXTRACT	%	8.7	9.9	14	15
NITROGEN FREE EXTRACT	%	45.5	51.6	4	5
PROTEIN	%	(24.7)	(28.0)	8	15
STARCH	%	19.0	21.6	17	8
FATTY ACIDS	%				
LINOLEIC	%	3.723	4.222		1
ENERGY GE KCAL/KG		1879.	2132.		1
CATTLE DE MCAL/KG *		3.14	3.56		
SHEEP DE MCAL/KG *		3.59	4.08		
SWINE DE KCAL/KG *		3534.	4008.		
CATTLE ME MCAL/KG *		2.58	2.92		
CHICKENS ME-N KCAL/KG		2892.	3281.		3
SHEEP ME MCAL/KG *		2.95	3.34		
SWINE ME KCAL/KG		2405.	2727.		1
CATTLE NE-M MCAL/KG *		1.66	1.89		
CATTLE NE-GAIN MCAL/KG *		1.11	1.26		
CATTLE NE-LACTATION MCAL/KG *		(1.82)	(2.07)		
CHICKENS PRODUCTIVE KCAL/KG		1666.	1890.		2
CATTLE TDN % *		71.3	80.9		
SHEEP TDN % *		81.5	92.4		
SWINE TDN %		(80.2)	(90.9)		1
CALCIUM	%	(0.06)	(0.07)	33	16
CHLORINE	%	(0.07)	(0.08)		3
COBALT	MG/KG	(0.119)	(0.135)	18	8
COPPER	MG/KG	(9.1)	(10.3)	13	12
IRON	%	(0.006)	(0.007)	43	12
MAGNESIUM	%	(0.25)	(0.29)	16	11
MANGANESE	MG/KG	(129.4)	(146.7)	16	14
PHOSPHORUS	%	(0.98)	(1.11)	9	16
CHICKENS, CHICKS AVAILABLE	%	(0.28)	(0.32)		2
POTASSIUM	%	(0.87)	(0.99)	37	11
SELENIUM	MG/KG	(0.411)	(0.467)	64	9
SODIUM	%	(0.14)	(0.15)	98	12
SULPHUR	%	(0.31)	(0.35)		2
ZINC	MG/KG	(120.1)	(136.2)	13	9
A-TOCOPHEROL	MG/KG	(140.3)	(159.1)	16	4
BIOTIN	MG/KG	(0.22)	(0.24)		1
CHOLINE	MG/KG	(3376.)	(3829.)	15	14
FOLIC ACID	MG/KG	(2.11)	(2.39)	26	12
NIACIN	MG/KG	(64.9)	(73.6)	24	15
PANTOTHENIC ACID	MG/KG	(20.3)	(23.0)	51	15
RIBOFLAVIN	MG/KG	(5.6)	(6.3)	9	15
THIAMINE	MG/KG	(23.3)	(26.4)	11	12
VITAMIN B6	MG/KG	(9.94)	(11.28)		2
ALANINE	%	(1.53)	(1.74)	8	8
ARGININE	%	(1.81)	(2.05)	10	15
ASPARTIC ACID	%	(2.13)	(2.42)	6	8
CYSTINE	%	(0.49)	(0.55)	9	14
GLUTAMIC ACID	%	(4.16)	(4.72)	6	8
GLYCINE	%	(1.46)	(1.66)	6	9
HISTIDINE	%	(0.63)	(0.71)	16	13
ISOLEUCINE	%	(0.93)	(1.05)	16	13
LEUCINE	%	(1.50)	(1.70)	17	12
LYSINE	%	(1.55)	(1.76)	10	15
METHIONINE	%	(0.40)	(0.45)	22	15
PHENYLALANINE	%	(0.93)	(1.06)	11	13
PROLINE	%	(1.30)	(1.47)	10	8
SERINE	%	(1.14)	(1.29)	7	8
THREONINE	%	(0.95)	(1.08)	12	13
TRYPTUPHAN	%	(0.30)	(0.34)	1	7
TYROSINE	%	(0.74)	(0.84)	7	10
VALINE	%	1.17	1.32	10	13

TROPAEOLUM TUBEROSUM, NASTURTIUM, TUBER

TROPAEOLUM TUBEROSUM TUBER, ROOTS, FRESH, (4)

REF NO 4-11-959

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.1	100.0		2
ORGANIC MATTER	%	17.0	99.2		
ASH	%	0.1	0.8		2
CRUDE FIBER	%	0.8	4.6		2
ETHER EXTRACT	%	0.2	1.1		2
NITROGEN FREE EXTRACT	%	13.7	80.4		2
PROTEIN	%	2.2	13.2		2
CATTLE DIG PROT % *		1.4	8.1		
GOATS DIG PROT % *		1.6	9.3		
HORSES DIG PROT % *		1.6	9.3		
SHEEP DIG PROT % *		1.6	9.3		
STARCH	%	6.9	40.2		2
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.63	3.66		
SHEEP DE MCAL/KG *		0.66	3.83		
SWINE DE KCAL/KG *		652.	3815.		
CATTLE ME MCAL/KG *		0.51	3.00		
SHEEP ME MCAL/KG *		0.54	3.14		
SWINE ME KCAL/KG *		609.	3561.		
CATTLE NE-M MCAL/KG *		0.34	1.96		
CATTLE NE-GAIN MCAL/KG *		0.22	1.31		
CATTLE NE-LACTATION MCAL/KG *		0.37	2.14		
CATTLE TDN % *		14.2	83.1		
SHEEP TDN % *		14.9	87.0		
SWINE TDN % *		14.8	86.5		

TYPHA SPP. CATTAIL

TYPHA SPP. AERIAL PART, FRESH, (2)

REF NO 2-10-868

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.0	100.0		1
CRUDE FIBER	%	5.8	27.6		1
PROTEIN	%	2.2	10.5		1
CATTLE DIG PROT % *		1.4	6.8		
GOATS DIG PROT % *		1.3	6.3		
HORSES DIG PROT % *		1.3	6.4		
RABBITS DIG PROT % *		1.4	6.8		
SHEEP DIG PROT % *		1.4	6.8		
CALCIUM	%	0.09	0.43		1
PHOSPHORUS	%	0.05	0.24		1

ULLUCUS TUBEROSUS, ULLUCUS, TUBER

ULLUCUS TUBEROSUS TUBER, ROOTS, COOKED, (4)

REF NO 4-13-441

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	16.2	100.0		1
ORGANIC MATTER	%	15.5	95.7		
ASH	%	0.7	4.3		1
CRUDE FIBER	%	0.4	2.5		1
ETHER EXTRACT	%	0.1	0.6		1
NITROGEN FREE EXTRACT	%	13.3	82.1		
PROTEIN	%	1.7	10.5		1
CATTLE DIG PROT % *		0.9	5.7		
GOATS DIG PROT % *		1.1	6.9		
HORSES DIG PROT % *		1.1	6.9		
SHEEP DIG PROT % *		1.1	6.9		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		0.53	3.30		
SHEEP DE MCAL/KG *		0.61	3.78		
SWINE DE KCAL/KG *		610.	3763.		
CATTLE ME MCAL/KG *		0.44	2.70		
SHEEP ME MCAL/KG *		0.50	3.10		
SWINE ME KCAL/KG *		572.	3533.		
CATTLE NE-M MCAL/KG *		0.27	1.69		
CATTLE NE-GAIN MCAL/KG *		0.18	1.11		
CATTLE NE-LACTATION MCAL/KG *		0.30	1.86		
CATTLE TDN % *		12.1	74.8		
SHEEP TDN % *		13.9	85.8		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SWINE		TDN % *	13.8	85.4		
CALCIUM		%	0.01	0.06		1
IRON		%	0.001	0.006		1
PHOSPHORUS		%	0.03	0.19		1
ASCORBIC ACID		MG/KG	254.0	1567.9		1
NIACIN		MG/KG	9.4	58.0		1
RIBOFLAVIN		MG/KG	0.6	3.7		1
THIAMINE		MG/KG	0.4	2.5		1
VITAMIN A EQUIV		IU/G	16.8	103.9		

ULVA SPP. SEALETTUCE

ULVA SPP. STEMS. FRESH. (2)

REF NO 2-11-981

DRY MATTER		%		100.0		
ORGANIC MATTER		%		81.1		
ASH		%		18.9		1
CRUDE FIBER		%		2.7		1
ETHER EXTRACT		%		0.4		1
NITROGEN FREE EXTRACT		%		59.2		1
PROTEIN		%		18.8		1
CATTLE	DIG PROT	% *		13.9		
GOATS	DIG PROT	% *		14.1		
HORSES	DIG PROT	% *		13.5		
RABBITS	DIG PROT	% *		13.2		
SHEEP	DIG PROT	% *		14.5		

UREA

UREA. (5)

REF NO 5-13-442

DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.9		
ASH		%		10.1		1
ETHER EXTRACT		%		4.5		1
PROTEIN		%		181.2		1

UREA. MN 45% NITROGEN 281.25% PROTEIN EQUIVALENT. (5)
UREA (AAFCO)

REF NO 5-05-070

DRY MATTER		%		100.0		
ORGANIC MATTER		%		99.8		
ASH		%		0.2		2
CRUDE FIBER		%		0.2		1
ETHER EXTRACT		%		9.7		3
NITROGEN FREE EXTRACT		%		-196.2		
PROTEIN		%		286.0		3

UROCHLOA MOCAMBICENSIS

UROCHLOA MOCAMBICENSIS MOCAMBICENSIS. AERIAL PART. FRESH. FULL BLOOM. (2)

REF NO 2-11-995

DRY MATTER		%	27.8	100.0		1
ORGANIC MATTER		%	25.3	91.0		
ASH		%	2.5	9.0		1
CRUDE FIBER		%	10.2	36.7		1
ETHER EXTRACT		%	0.5	1.8		1
NITROGEN FREE EXTRACT		%	12.4	44.7		1
PROTEIN		%	2.2	7.8		1
CATTLE	DIG PROT	% *	1.3	4.5		
GOATS	DIG PROT	% *	1.1	3.8		
HORSES	DIG PROT	% *	1.2	4.2		
RABBITS	DIG PROT	% *	1.3	4.7		
SHEEP	DIG PROT	% *	1.2	4.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.63	2.27		
SHEEP	DE	MCAL/KG *	0.69	2.46		
CATTLE	ME	MCAL/KG *	0.52	1.86		
SHEEP	ME	MCAL/KG *	0.56	2.02		
CATTLE	NE-M	MCAL/KG *	0.31	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.09	0.34		
CATTLE	NE-LACTATION	MCAL/KG *	0.29	1.06		
CATTLE		TDN % *	14.3	51.6		
SHEEP		TDN % *	15.5	55.9		
CALCIUM		%	0.14	0.51		1
PHOSPHORUS		%	0.04	0.13		1

UROCHLOA TRICHOPUS

UROCHLOA TRICHOPUS TRICHOPUS. AERIAL PART. FRESH. (2)

REF NO 2-11-982

DRY MATTER		%	23.9	100.0		1
ORGANIC MATTER		%	20.7	86.6		
ASH		%	3.2	13.4		1
CRUDE FIBER		%	5.5	22.9		1
NITROGEN FREE EXTRACT		%	12.8	53.5		1
PROTEIN		%	2.4	10.2		1
CATTLE	DIG PROT	% *	1.6	6.6		
GOATS	DIG PROT	% *	1.5	6.1		
HORSES	DIG PROT	% *	1.5	6.2		
RABBITS	DIG PROT	% *	1.6	6.5		
SHEEP	DIG PROT	% *	1.6	6.5		

VERBENA SPP. VERBENA

VERBENA SPP. BROWSE. FRESH. (2)

REF NO 2-13-445

DRY MATTER		%	42.5	100.0		1
ORGANIC MATTER		%	38.9	91.6		
ASH		%	3.6	8.5	2	4
CRUDE FIBER		%	7.4	17.5	17	4
ETHER EXTRACT		%	2.7	6.4	81	4
NITROGEN FREE EXTRACT		%	22.0	51.7	13	4
PROTEIN		%	6.8	16.0	33	4
CATTLE	DIG PROT	% *	4.9	11.5		
GOATS	DIG PROT	% *	4.9	11.5		
HORSES	DIG PROT	% *	4.7	11.1		
RABBITS	DIG PROT	% *	4.7	11.0		
SHEEP	DIG PROT	% *	5.0	11.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	1.32	3.11		
SHEEP	ME	MCAL/KG *	1.08	2.55		
SHEEP		TDN % *	30.0	70.5		

VICIA BENGALENSIS. VETCH. BENGALENSIS

VICIA BENGALENSIS BENGALENSIS. AERIAL PART. FRESH. (2)

REF NO 2-13-448

DRY MATTER		%	17.0	100.0		1
ORGANIC MATTER		%	13.0	76.5		
ASH		%	4.0	23.5		1
CRUDE FIBER		%	3.5	20.8		1
ETHER EXTRACT		%	0.3	2.0		1
NITROGEN FREE EXTRACT		%	5.5	32.3		1
PROTEIN		%	3.6	21.4		1
CATTLE	DIG PROT	% *	2.7	16.1		
GOATS	DIG PROT	% *	2.8	16.5		
HORSES	DIG PROT	% *	2.7	15.7		
RABBITS	DIG PROT	% *	2.6	15.2		
SHEEP	DIG PROT	% *	2.9	16.9		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *	0.41	2.42		
SHEEP	ME	MCAL/KG *	0.34	1.99		
SHEEP		TDN % *	9.3	54.9		
CALCIUM		%	0.04	0.21		1
PHOSPHORUS		%	0.08	0.46		1
ACID INSOLUBLE ASH (SILICA)		%	1.19	7.00		1

VICIA BENGALENSIS BENGALENSIS. AERIAL PART. FRESH. EARLY BLOOM. (2)

REF NO 2-10-779

DRY MATTER		%		100.0		
ORGANIC MATTER		%		93.3		
ASH		%		6.8		1
CRUDE FIBER		%		23.0		1
ETHER EXTRACT		%		1.0		1
NITROGEN FREE EXTRACT		%		45.0		1
PROTEIN		%		24.3		1
CATTLE	DIG PROT	% *		18.5		
GOATS	DIG PROT	% *		19.2		
HORSES	DIG PROT	% *		18.1		
RABBITS	DIG PROT	% *		17.4		
SHEEP	DIG PROT	% *		19.6		
ENERGY	GE	KCAL/KG				
SHEEP	DE	MCAL/KG *		2.94		
SHEEP	ME	MCAL/KG *		2.41		
SHEEP		TDN % *		66.7		

VICIA DASYCARPA. VETCH. WOOLLYPOD

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
VICIA DASYCARPA WOOLLYPOD, AERIAL PART, FRESH, FULL BLOOM, (2)					
REF NO 2-10-878					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.5		
ASH	%		7.5		1
CRUDE FIBER	%		19.7		1
ETHER EXTRACT	%		1.0		1
NITROGEN FREE EXTRACT	%		48.1		1
PROTEIN	%		23.7		1
CATTLE DIG PROT % *			18.1		
GOATS DIG PROT % *			18.7		
HORSES DIG PROT % *			17.7		
RABBITS DIG PROT % *			17.0		
SHEEP DIG PROT % *			19.1		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			2.85		
SHEEP DE MCAL/KG *			3.02		
CATTLE ME MCAL/KG *			2.34		
SHEEP ME MCAL/KG *			2.48		
CATTLE NE-M MCAL/KG *			1.40		
CATTLE NE-GAIN MCAL/KG *			0.81		
CATTLE NE-LACTATION MCAL/KG *			1.51		
CATTLE TDN % *			64.6		
SHEEP TDN % *			68.5		
VICIA FABA, BROADBEAN					
VICIA FABA, PODS, S-C, (1)					
REF NO 1-10-888					
DRY MATTER	%	91.7	100.0		1
ORGANIC MATTER	%	80.3	87.6		
ASH	%	11.4	12.4		1
CRUDE FIBER	%	37.3	40.7		1
ETHER EXTRACT	%	0.3	0.3		1
NITROGEN FREE EXTRACT	%	37.6	41.0		1
PROTEIN	%	5.1	5.6		1
VICIA FABA, SEEDS, COOKED, (5)					
REF NO 5-13-446					
DRY MATTER	%	25.5	100.0		1
ORGANIC MATTER	%	24.1	94.5		
ASH	%	1.4	5.5		1
CRUDE FIBER	%	0.9	3.5		1
ETHER EXTRACT	%	0.5	2.0		1
NITROGEN FREE EXTRACT	%	11.3	44.3		
PROTEIN	%	11.4	44.7		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		1.05	4.13		
SHEEP DE MCAL/KG *		0.95	3.72		
CATTLE ME MCAL/KG *		0.86	3.38		
SHEEP ME MCAL/KG *		0.78	3.05		
CATTLE NE-M MCAL/KG *		0.61	2.38		
CATTLE NE-GAIN MCAL/KG *		0.39	1.53		
CATTLE NE-LACTATION MCAL/KG *		0.64	2.51		
CATTLE TDN % *		23.9	93.6		
SHEEP TDN % *		21.5	84.4		
CALCIUM	%	0.03	0.12		1
IRON	%	0.003	0.012		1
PHOSPHORUS	%	0.19	0.75		1
ASCORBIC ACID	MG/KG	284.0	1113.7		1
NIACIN	MG/KG	9.4	36.9		1
RIBOFLAVIN	MG/KG	3.6	14.1		1
THIAMINE	MG/KG	2.3	9.0		1
VITAMIN A EQUIV	IU/G	9.0	35.3		
VICIA FABA, SEEDS, TOASTED, (5)					
REF NO 5-13-220					
DRY MATTER	%	97.5	100.0		1
ORGANIC MATTER	%	93.5	95.9		
ASH	%	4.0	4.1		1
CRUDE FIBER	%	8.8	9.0		1
ETHER EXTRACT	%	1.7	1.7		1
NITROGEN FREE EXTRACT	%	59.8	61.3		
PROTEIN	%	23.2	23.8		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.87	3.97		
SHEEP DE MCAL/KG *		3.57	3.67		
CATTLE ME MCAL/KG *		3.18	3.26		
SHEEP ME MCAL/KG *		2.93	3.01		
CATTLE NE-M MCAL/KG *		2.18	2.24		
CATTLE NE-GAIN MCAL/KG *		1.42	1.46		
CATTLE NE-LACTATION MCAL/KG *		2.33	2.39		
CATTLE TDN % *		87.9	90.1		
SHEEP TDN % *		81.1	83.1		
CALCIUM	%	0.16	0.16		1
IRON	%	0.008	0.008		1
PHOSPHORUS	%	0.59	0.61		1
ASCORBIC ACID	MG/KG	12.8	13.1		1
NIACIN	MG/KG	28.1	28.8		1
RIBOFLAVIN	MG/KG	4.2	4.3		1
THIAMINE	MG/KG	1.5	1.5		1
VICIA FABA, SEEDS W HULLS, (5)					
REF NO 5-09-262					
DRY MATTER	%	87.4	100.0		1
ORGANIC MATTER	%	84.0	96.1		
ASH	%	3.4	3.9		1
CRUDE FIBER	%	7.7	8.8		1
ETHER EXTRACT	%	2.1	2.4		1
NITROGEN FREE EXTRACT	%	49.5	56.6		1
PROTEIN	%	24.7	28.3		1
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.42	3.91		
SHEEP DE MCAL/KG *		3.25	3.71		
CATTLE ME MCAL/KG *		2.80	3.21		
SHEEP ME MCAL/KG *		2.66	3.04		
CATTLE NE-M MCAL/KG *		1.91	2.18		
CATTLE NE-GAIN MCAL/KG *		1.25	1.43		
CATTLE NE-LACTATION MCAL/KG *		2.05	2.34		
CATTLE TDN % *		77.6	88.8		
SHEEP TDN % *		73.6	84.2		
VICIA FABA, EQUINA, HORSEBEAN					
VICIA FABA, EQUINA, SEEDS, (5)					
REF NO 5-02-407					
DRY MATTER	%	90.6	100.0	1	6
ORGANIC MATTER	%	87.4	96.5		
ASH	%	3.2	3.5	16	6
CRUDE FIBER	%	6.9	7.6	49	6
ETHER EXTRACT	%	1.2	1.3	9	6
NITROGEN FREE EXTRACT	%	56.3	62.1		
PROTEIN	%	23.1	25.5	6	6
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *		3.81	4.20		
SHEEP DE MCAL/KG *		3.40	3.76		
CATTLE ME MCAL/KG *		3.12	3.45		
SHEEP ME MCAL/KG *		2.79	3.08		
CATTLE NE-M MCAL/KG *		2.23	2.46		
CATTLE NE-GAIN MCAL/KG *		1.41	1.56		
CATTLE NE-LACTATION MCAL/KG *		2.33	2.57		
CATTLE TDN % *		86.4	95.4		
SHEEP TDN % *		77.2	85.2		
CALCIUM	%	0.12	0.13	19	6
IRON	%	0.011	0.012	98	6
PHOSPHORUS	%	0.40	0.44	20	6
ASCORBIC ACID	MG/KG	8.9	9.8	48	6
NIACIN	MG/KG	23.8	26.3	11	6
RIBOFLAVIN	MG/KG	3.5	3.9	25	6
THIAMINE	MG/KG	(2.9)	(3.2)	39	6
VICIA SATIVA, VETCH, COMMON					
VICIA SATIVA COMMON, HAY, S-C, (1)					
REF NO 1-05-122					
DRY MATTER	%		(100.0)		
ORGANIC MATTER	%		(94.6)		
ASH	%		(5.4)		1
CRUDE FIBER	%		(50.6)		1
ETHER EXTRACT	%		(2.1)		1
NITROGEN FREE EXTRACT	%		(35.2)		1
PROTEIN	%		(6.7)		1
CATTLE DIG PROT % *			(2.7)		
GOATS DIG PROT % *			(2.8)		
HORSES DIG PROT % *			(3.2)		
RABBITS DIG PROT % *			(3.8)		
SHEEP DIG PROT % *			(2.6)		
ENERGY GE KCAL/KG					
CATTLE DE MCAL/KG *			(2.19)		
SHEEP DE MCAL/KG *			(2.22)		
CATTLE ME MCAL/KG *			(1.79)		
SHEEP ME MCAL/KG *			(1.82)		
CATTLE NE-M MCAL/KG *			(1.06)		
CATTLE NE-GAIN MCAL/KG *			(0.26)		
CATTLE NE-LACTATION MCAL/KG *			(0.99)		
CATTLE TDN % *			(49.6)		
SHEEP TDN % *			50.4		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
VICIA SATIVA COMMON, AERIAL PART, FRESH, 71 TO 84 DAYS' GROWTH, (2)				
REF NO 2-13-773				
DRY MATTER	%	18.2	100.0	1
ORGANIC MATTER	%	16.6	91.0	
ASH	%	1.6	9.0	1
CRUDE FIBER	%	7.4	40.7	1
ETHER EXTRACT	%	0.3	1.6	1
NITROGEN FREE EXTRACT	%	5.6	30.5	1
PROTEIN	%	3.3	18.2	1
CATTLE DIG PROT	% *	2.4	13.4	
GOATS DIG PROT	% *	2.5	13.5	
HORSES DIG PROT	% *	2.4	13.0	
RABBITS DIG PROT	% *	2.3	12.7	
SHEEP DIG PROT	% *	2.5	14.0	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *	0.48	2.62	
SHEEP ME	MCAL/KG *	0.39	2.15	
SHEEP TDN	% *	10.8	59.4	
CALCIUM	%	0.27	1.51	1
PHOSPHORUS	%	0.08	0.42	1
VICIA SPP, VETCH				
VICIA SPP, HAY, S-C, 57 TO 70 DAYS' GROWTH, (1)				
REF NO 1-10-876				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		87.1	
ASH	%		13.0	2
CRUDE FIBER	%		24.0	2
ETHER EXTRACT	%		3.8	2
NITROGEN FREE EXTRACT	%		32.0	2
PROTEIN	%		27.2	2
CATTLE DIG PROT	% *		20.5	
GOATS DIG PROT	% *		22.0	
HORSES DIG PROT	% *		20.6	
RABBITS DIG PROT	% *		19.7	
SHEEP DIG PROT	% *		21.0	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *		2.74	
SHEEP ME	MCAL/KG *		2.25	
SHEEP TDN	% *		62.2	
VICIA SPP, HAY, S-C, 71 TO 84 DAYS' GROWTH, (1)				
REF NO 1-10-875				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.1	
ASH	%		11.9	1
CRUDE FIBER	%		26.5	1
ETHER EXTRACT	%		3.7	1
NITROGEN FREE EXTRACT	%		30.8	1
PROTEIN	%		27.2	1
CATTLE DIG PROT	% *		20.5	
GOATS DIG PROT	% *		21.9	
HORSES DIG PROT	% *		20.6	
RABBITS DIG PROT	% *		19.6	
SHEEP DIG PROT	% *		20.9	
ENERGY GE	KCAL/KG			
SHEEP DE	MCAL/KG *		2.69	
SHEEP ME	MCAL/KG *		2.21	
SHEEP TDN	% *		61.1	
VICIA VILLOSA, VETCH, HAIRY				
VICIA VILLOSA HAIRY, AERIAL PART, FRESH, EARLY BLOOM, (2)				
REF NO 2-10-877				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		91.8	
ASH	%		8.2	1
CRUDE FIBER	%		17.5	1
ETHER EXTRACT	%		0.7	1
NITROGEN FREE EXTRACT	%		50.7	1
PROTEIN	%		22.9	1
CATTLE DIG PROT	% *		17.3	
GOATS DIG PROT	% *		17.9	
HORSES DIG PROT	% *		16.9	
RABBITS DIG PROT	% *		16.3	
SHEEP DIG PROT	% *		18.3	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.78	
SHEEP DE	MCAL/KG *		3.07	
CATTLE ME	MCAL/KG *		2.28	
SHEEP ME	MCAL/KG *		2.52	
CATTLE NE-M	MCAL/KG *		1.36	
CATTLE NE-GAIN	MCAL/KG *		0.76	
CATTLE NE-LACTATION	MCAL/KG *		1.46	
CATTLE TDN	% *		63.1	
SHEEP TDN	% *		69.7	
VICIA VILLOSA HAIRY, AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)				
REF NO 2-09-912				
DRY MATTER	%		100.0	
ORGANIC MATTER	%		90.3	
ASH	%		9.7	1
CRUDE FIBER	%		28.2	1
ETHER EXTRACT	%		2.9	1
NITROGEN FREE EXTRACT	%		37.1	1
PROTEIN	%		22.1	1
CATTLE DIG PROT	% *		16.7	
GOATS DIG PROT	% *		17.2	
HORSES DIG PROT	% *		16.3	
RABBITS DIG PROT	% *		15.7	
SHEEP DIG PROT	% *		17.6	
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *		2.75	
SHEEP DE	MCAL/KG *		2.82	
CATTLE ME	MCAL/KG *		2.26	
SHEEP ME	MCAL/KG *		2.31	
CATTLE NE-M	MCAL/KG *		1.34	
CATTLE NE-GAIN	MCAL/KG *		0.74	
CATTLE NE-LACTATION	MCAL/KG *		1.43	
CATTLE TDN	% *		62.4	
SHEEP TDN	% *		64.0	
VIGNA SINENSIS, COWPEA, COMMON				
VIGNA SINENSIS COMMON, AERIAL PART, DEHY GRND, LATE VEGETATIVE, (1)				
REF NO 1-11-984				
DRY MATTER	%	87.5	100.0	2
ORGANIC MATTER	%	77.7	88.8	2
ASH	%	9.8	11.2	2
SHEEP DIG COEF	%	44.	44.	
CRUDE FIBER	%	26.7	30.5	1
ETHER EXTRACT	%	4.2	4.7	1
NITROGEN FREE EXTRACT	%	31.3	35.7	1
PROTEIN	%	15.6	17.8	2
SHEEP DIG COEF	%	68.	68.	1
CATTLE DIG PROT	% *	10.8	12.4	
GOATS DIG PROT	% *	11.5	13.2	
HORSES DIG PROT	% *	11.1	12.7	
RABBITS DIG PROT	% *	10.9	12.4	
SHEEP DIG PROT	%	10.6	12.1	
CELL WALLS (VAN SOEST)	%	43.6	49.9	1
FIBER, ACID DETERGENT (VS)	%	40.1	45.9	1
LIGNIN (VAN SOEST)	%	6.7	7.7	1
ENERGY GE	KCAL/KG	3819.	4367.	1
SHEEP GE DIG COEF	%	54.	54.	1
CATTLE DE	MCAL/KG *	1.96	2.24	
SHEEP DE	MCAL/KG	2.06	2.36	1
CATTLE ME	MCAL/KG *	1.61	1.84	
SHEEP ME	MCAL/KG *	1.69	1.93	
CATTLE NE-M	MCAL/KG *	0.95	1.08	
CATTLE NE-GAIN	MCAL/KG *	0.27	0.31	
CATTLE NE-LACTATION	MCAL/KG *	0.90	1.03	
CATTLE TDN	% *	44.4	50.8	
SHEEP TDN	% *	0.0	0.1	
VIGNA SINENSIS COMMON, HAY, S-C, (1)				
REF NO 1-11-987				
DRY MATTER	%	92.0	100.0	1
ORGANIC MATTER	%	81.8	88.9	
ASH	%	10.2	11.1	1
CRUDE FIBER	%	16.6	18.0	1
ETHER EXTRACT	%	11.0	12.0	1
NITROGEN FREE EXTRACT	%	37.6	40.9	1
PROTEIN	%	16.6	18.0	1
CATTLE DIG PROT	% *	11.6	12.6	
GOATS DIG PROT	% *	12.3	13.4	
HORSES DIG PROT	% *	11.8	12.8	
RABBITS DIG PROT	% *	11.6	12.6	
SHEEP DIG PROT	% *	11.7	12.8	
CALCIUM	%	2.95	3.21	1
IRON	%	0.180	0.196	1
PHOSPHORUS	%	0.20	0.22	1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
VIGNA SINENSIS COMMON, AERIAL PART, FRESH, (2)					
REF NO 2-11-986					
DRY MATTER	%	14.6	100.0		3
ORGANIC MATTER	%	12.8	87.4		3
ASH	%	1.8	12.6		3
CRUDE FIBER	%	3.3	22.8		3
ETHER EXTRACT	%	1.0	7.0		3
NITROGEN FREE EXTRACT	%	5.6	38.3		3
PROTEIN	%	2.8	19.4		3
CATTLE DIG PROT	% *	2.1	14.4		
GOATS DIG PROT	% *	2.1	14.6		
HORSES DIG PROT	% *	2.0	14.0		
RABBITS DIG PROT	% *	2.0	13.6		
SHEEP DIG PROT	% *	2.2	15.0		
CALCIUM	%	0.22	1.49		3
IRON	%	0.002	0.015		3
PHOSPHORUS	%	0.04	0.25		3
NIACIN	MG/KG	1.8	12.2		1
VITAMIN A EQUIV	IU/G	4.6	31.5		
VIGNA SINENSIS COMMON, AERIAL PART, ENSILED, (3)					
REF NO 3-11-989					
DRY MATTER	%	33.4	100.0		2
ORGANIC MATTER	%	29.7	89.0		
ASH	%	3.7	11.0		2
CRUDE FIBER	%	10.2	30.6		2
ETHER EXTRACT	%	1.1	3.4		2
NITROGEN FREE EXTRACT	%	14.2	42.6		2
PROTEIN	%	4.1	12.3		2
CATTLE DIG PROT	% *	2.5	7.4		
GOATS DIG PROT	% *	2.5	7.4		
HORSES DIG PROT	% *	2.5	7.4		
SHEEP DIG PROT	% *	2.5	7.4		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.83	2.50		
SHEEP DE	MCAL/KG *	0.87	2.59		
CATTLE ME	MCAL/KG *	0.68	2.05		
SHEEP ME	MCAL/KG *	0.71	2.13		
CATTLE NE-M	MCAL/KG *	0.40	1.21		
CATTLE NE-GAIN	MCAL/KG *	0.18	0.54		
CATTLE NE-LACTATION	MCAL/KG *	0.41	1.24		
CATTLE TDN	% *	18.9	56.7		
SHEEP TDN	% *	19.6	58.8		
VIGNA SINENSIS COMMON, AERIAL PART, ENSILED, LATE VEGETATIVE, (3)					
REF NO 3-11-983					
DRY MATTER	%	33.4	100.0		1
ORGANIC MATTER	%	29.3	87.6		1
ASH	%	4.1	12.4		1
SHEEP DIG COEF	%	43.	43.		
PROTEIN	%	6.2	18.5		1
SHEEP DIG COEF	%	57.	57.		1
CATTLE DIG PROT	% *	4.4	13.0		
GOATS DIG PROT	% *	4.4	13.0		
HORSES DIG PROT	% *	4.4	13.0		
SHEEP DIG PROT	%	3.5	10.5		
CELL WALLS (VAN SOEST)	%	20.3	60.9		1
FIBER, ACID DETERGENT (VS)	%	13.6	40.7		1
LIGNIN (VAN SOEST)	%	2.2	6.5		1
ENERGY GE	KCAL/KG	1501.	4494.		1
SHEEP GE DIG COEF	%	68.	68.		1
SHEEP DE	MCAL/KG	1.02	3.08		1
SHEEP ME	MCAL/KG *	0.84	2.51		
SHEEP TDN	% *	0.0	0.1		
VIGNA SINENSIS COMMON, SEEDS, (5)					
REF NO 5-11-985					
DRY MATTER	%	83.2	100.0	17	24
ORGANIC MATTER	%	79.8	95.9	15	13
ASH	%	3.4	4.1	15	24
CRUDE FIBER	%	5.5	6.6	17	24
ETHER EXTRACT	%	2.5	2.9	98	24
NITROGEN FREE EXTRACT	%	48.9	58.8	16	24
PROTEIN	%	22.9	27.5	19	24
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.41	4.11		
SHEEP DE	MCAL/KG *	3.20	3.84		
CATTLE ME	MCAL/KG *	2.80	3.37		
SHEEP ME	MCAL/KG *	2.62	3.15		
CATTLE NE-M	MCAL/KG *	1.97	2.38		
CATTLE NE-GAIN	MCAL/KG *	1.26	1.52		
CATTLE NE-LACTATION	MCAL/KG *	2.07	2.49		
CATTLE TDN	% *	77.4	93.1		
SHEEP TDN	% *	72.9	87.8		
CALCIUM	%	0.28	0.31	67	4
IRON	%	0.177	0.213	98	4
PHOSPHORUS	%	0.67	0.80	82	4
VIGNA SINENSIS COMMON, SEEDS, GRND, (5)					
REF NO 5-11-988					
DRY MATTER	%	88.0	100.0		1
ORGANIC MATTER	%	83.9	95.3		1
ASH	%	4.0	4.5		2
CRUDE FIBER	%	3.8	4.3		2
ETHER EXTRACT	%	1.7	1.9		2
NITROGEN FREE EXTRACT	%	55.4	63.0		2
PROTEIN	%	23.2	26.3		2
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.91	4.45		
SHEEP DE	MCAL/KG *	3.42	3.89		
CATTLE ME	MCAL/KG *	3.21	3.65		
SHEEP ME	MCAL/KG *	2.81	3.19		
CATTLE NE-M	MCAL/KG *	2.40	2.73		
CATTLE NE-GAIN	MCAL/KG *	1.45	1.65		
CATTLE NE-LACTATION	MCAL/KG *	2.43	2.76		
CATTLE TDN	% *	88.7	100.8		
SHEEP TDN	% *	77.6	88.2		
CALCIUM	%	0.08	0.09		1
PHOSPHORUS	%	0.74	0.84		1
VIGNA SPP. COWPEA					
VIGNA SPP, HAY, S-C, (1)					
REF NO 1-01-645					
DRY MATTER	%	95.6	100.0		1
ORGANIC MATTER	%	(82.8)	(86.6)		
ASH	%	(12.8)	(13.4)		1
CRUDE FIBER	%	(32.2)	(33.7)		1
ETHER EXTRACT	%	(2.7)	(2.8)		1
NITROGEN FREE EXTRACT	%	(32.5)	(34.0)		1
PROTEIN	%	(15.4)	(16.1)		1
CATTLE DIG PROT	% *	(10.4)	(10.9)		
GOATS DIG PROT	% *	(11.1)	(11.6)		
HORSES DIG PROT	% *	(10.7)	(11.2)		
RABBITS DIG PROT	% *	(10.6)	(11.1)		
SHEEP DIG PROT	% *	(10.5)	(11.0)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(2.11)	(2.21)		
SHEEP DE	MCAL/KG *	(2.17)	(2.27)		
CATTLE ME	MCAL/KG *	(1.73)	(1.81)		
SHEEP ME	MCAL/KG *	(1.78)	(1.86)		
CATTLE NE-M	MCAL/KG *	(1.02)	(1.07)		
CATTLE NE-GAIN	MCAL/KG *	(0.27)	(0.28)		
CATTLE NE-LACTATION	MCAL/KG *	(0.96)	(1.01)		
CATTLE TDN	% *	(47.8)	(50.0)		
SHEEP TDN	% *	(49.2)	(51.4)		
VIGNA SPP, SEEDS, (5)					
REF NO 5-01-661					
DRY MATTER	%	(85.0)	(100.0)		6
ORGANIC MATTER	%	(85.5)	(96.0)		
ASH	%	(3.5)	(4.0)	7	4
SHEEP DIG COEF	%	(13.)	(13.)		
CRUDE FIBER	%	(5.0)	(5.6)	24	4
SHEEP DIG COEF	%	(63.)	(63.)		1
SWINE DIG COEF	%	(49.)	(49.)		1
ETHER EXTRACT	%	(1.5)	(1.7)	14	4
SHEEP DIG COEF	%	(69.)	(69.)		1
SWINE DIG COEF	%	(38.)	(38.)		1
NITROGEN FREE EXTRACT	%	(55.2)	(62.0)	5	4
SHEEP DIG COEF	%	(92.)	(92.)		1
SWINE DIG COEF	%	(90.)	(90.)		1
PROTEIN	%	(23.8)	(26.8)	5	4
SHEEP DIG COEF	%	(82.)	(82.)		1
SWINE DIG COEF	%	(94.)	(94.)		1
SHEEP DIG PROT	%	(19.5)	(21.9)		
SWINE DIG PROT	%	(22.4)	(25.2)		
ENERGY GE	KCAL/KG	(3411.)	(3832.)		1
CATTLE DE	MCAL/KG *	(3.87)	(4.35)		
SHEEP DE	MCAL/KG *	(3.34)	(3.75)		
SWINE DE	KCAL/KG *	(3340.)	(3753.)		
CATTLE ME	MCAL/KG *	(3.17)	(3.56)		
SHEEP ME	MCAL/KG *	(2.74)	(3.08)		
SWINE ME	KCAL/KG *	(3026.)	(3400.)		
CATTLE NE-M	MCAL/KG *	(2.33)	(2.62)		
CATTLE NE-GAIN	MCAL/KG *	(1.44)	(1.62)		
CATTLE NE-LACTATION	MCAL/KG *	(2.39)	(2.68)		
CATTLE TDN	% *	(87.8)	(98.6)		
SHEEP TDN	%	(75.7)	(85.1)		1
SWINE TDN	%	(75.8)	(85.1)		1
CALCIUM	%	(0.09)	(0.10)		8
CHLORINE	%	(0.04)	(0.05)		1
COPPER	MG/KG	(4.4)	(5.0)		1
IRON	%	(0.081)	(0.083)		2
MAGNESIUM	%	(0.26)	(0.29)		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
MANGANESE	MG/KG	(40.1)	(45.1)	1
PHOSPHORUS	%	(0.44)	(0.50)	2
POTASSIUM	%	(1.16)	(1.30)	2
SODIUM	%	(0.15)	(0.17)	2
SULPHUR	%	(0.25)	(0.28)	1
NIACIN	MG/KG	(24.4)	(27.4)	2
PANTOTHENIC ACID	MG/KG	(15.4)	(17.3)	1
RIBOFLAVIN	MG/KG	(2.3)	(2.5)	2
THIAMINE	MG/KG	(9.3)	(10.4)	2
VITAMIN A	IU/G	(0.3)	(0.3)	1
VITAMIN A EQUIV	IU/G	(0.4)	(0.4)	
ARGININE	%	(1.70)	(1.91)	1
HISTIDINE	%	(0.70)	(0.79)	1
ISOLEUCINE	%	(1.10)	(1.24)	1
LEUCINE	%	(2.30)	(2.58)	1
LYSINE	%	(2.10)	(2.36)	1
METHIONINE	%	(0.20)	(0.22)	1
PHENYLALANINE	%	(1.30)	(1.46)	1
THREONINE	%	(0.80)	(0.90)	1
TRYPTOPHAN	%	(0.30)	(0.34)	1
TYROSINE	%	(1.10)	(1.24)	1
VALINE	%	1.20	1.35	1

VINEGAR DRIED GRAINS (AAFCO)
=SEE GRAINS, VINEGAR FERMENTATION
GRAINS, DEHY, (5)

VITIS VINIFERA, GRAPE, EUROPEAN

VITIS VINIFERA EUROPEAN, PULP, DEHY, (1)

REF NO 1-11-991

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	83.8	100.0	1
ORGANIC MATTER	%	72.6	86.6	
ASH	%	11.2	13.4	1
CRUDE FIBER	%	27.3	32.6	1
ETHER EXTRACT	%	6.7	8.0	1
NITROGEN FREE EXTRACT	%	28.1	33.5	1
PROTEIN	%	10.5	12.5	1
CATTLE	DIG PROT % *	6.5	7.8	
GOATS	DIG PROT % *	6.9	8.3	
HORSES	DIG PROT % *	6.8	8.2	
RABBITS	DIG PROT % *	7.0	8.3	
SHEEP	DIG PROT % *	6.5	7.8	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	1.60	1.91	
SHEEP	ME MCAL/KG *	1.31	1.57	
SHEEP	TDN % *	36.3	43.3	

VITIS VINIFERA EUROPEAN, SEEDS, GRND, (1)

REF NO 1-09-633

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		97.4	
ASH	%		2.6	1
CRUDE FIBER	%		50.4	1
ETHER EXTRACT	%		19.6	1
NITROGEN FREE EXTRACT	%		17.7	1
PROTEIN	%		9.8	1
CATTLE	DIG PROT % *		5.4	
GOATS	DIG PROT % *		5.7	
HORSES	DIG PROT % *		5.8	
RABBITS	DIG PROT % *		6.2	
SHEEP	DIG PROT % *		5.4	

VITIS VINIFERA EUROPEAN, FRUIT, FRESH, (4)

REF NO 4-13-443

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	19.1	100.0	3
ORGANIC MATTER	%	18.7	97.7	
ASH	%	0.4	2.3	3
CRUDE FIBER	%	0.4	2.1	3
ETHER EXTRACT	%	0.5	2.6	3
NITROGEN FREE EXTRACT	%	17.1	89.4	
PROTEIN	%	0.7	3.6	3
CATTLE	DIG PROT % *	-0.1	-0.7	
GOATS	DIG PROT % *	0.1	0.5	
HORSES	DIG PROT % *	0.1	0.5	
SHEEP	DIG PROT % *	0.1	0.5	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	0.73	3.83	
SWINE	DE KCAL/KG *	727.	3797.	
SHEEP	ME MCAL/KG *	0.60	3.14	
SWINE	ME KCAL/KG *	692.	3618.	
SHEEP	TDN % *	16.6	86.9	
SWINE	TDN % *	16.5	86.1	
CALCIUM	%	0.02	0.09	3
IRON	%	0.001	0.005	3
PHOSPHORUS	%	0.02	0.12	3
ASCORBIC ACID	MG/KG	33.4	174.5	2
NIACIN	MG/KG	4.4	22.7	2
RIBOFLAVIN	MG/KG	0.5	2.4	2
THIAMINE	MG/KG	0.4	2.3	2
VITAMIN A EQUIV	IU/G	2.0	10.7	

VITIS VINIFERA EUROPEAN, FRUIT, S-C, (4)

REF NO 4-13-444

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	84.6	100.0	1
ORGANIC MATTER	%	82.9	98.0	
ASH	%	1.7	2.0	1
CRUDE FIBER	%	1.3	1.5	1
ETHER EXTRACT	%	0.3	0.4	1
NITROGEN FREE EXTRACT	%	78.3	92.6	
PROTEIN	%	3.0	3.5	1
CATTLE	DIG PROT % *	-0.6	-0.7	
GOATS	DIG PROT % *	0.4	0.5	
HORSES	DIG PROT % *	0.4	0.5	
SHEEP	DIG PROT % *	0.4	0.5	
ENERGY	GE KCAL/KG			
SHEEP	DE MCAL/KG *	3.25	3.84	
SHEEP	ME MCAL/KG *	2.67	3.15	
SHEEP	TDN % *	73.7	87.2	
CALCIUM	%	0.07	0.08	1
IRON	%	0.003	0.004	1
PHOSPHORUS	%	0.07	0.08	1
ASCORBIC ACID	MG/KG	170.0	200.9	1
NIACIN	MG/KG	10.5	12.4	1
RIBOFLAVIN	MG/KG	1.7	2.0	1
THIAMINE	MG/KG	0.8	0.9	1

WHEAT FEED FLOUR, MX 1.5% FIBER (AAFCO)
=SEE TRITICUM SPP, FLOUR, COARSE
BOLTED, FEED GR MX 2% FIBER, (4)

WHEAT GERM MEAL (AAFCO)
=SEE TRITICUM SPP, GERM, GRND, MN 25%
PROTEIN MN 7% FAT, (5)

WHEAT MIDDLINGS (AAFCO)
=SEE TRITICUM SPP, FLOUR BY-PRODUCT,
MX 9.5% FIBER, (4)

WHEAT MILL RUN (AAFCO)
=SEE TRITICUM SPP, FLOUR BY-PRODUCT
MILL RUN, MX 9.5% FIBER, (4)

WHEAT RED DOG, MX 4% FIBER (AAFCO)
=SEE TRITICUM SPP, FLOUR BY-PRODUCT,
FINE SIFTED, MX 4% FIBER, (4)

WHEAT SHORTS, MX 7% FIBER (AAFCO)
=SEE TRITICUM SPP, FLOUR BY-PRODUCT,
COARSE SIFTED, MX 7% FIBER, (4)

WHEAT STANDARD MIDDLINGS
=SEE TRITICUM SPP, FLOUR BY-PRODUCT,
MX 9.5% FIBER, (4)

WHEY, DRIED
=SEE BOS SPP, WHEY, DEHY, MN 65%
LACTOSE, (4)

WHOLE PRESSED SUNFLOWER MEAL (AAFCO)
=SEE HELIANTHUS SPP, SEEDS, EXTN
UNSPECIFIED GRND, (5)

WIREGRASS
=SEE ARISTIDA SPP, AERIAL PART, FRESH,
(2)

XANTHOSOMA SAGITTAEFOLIUM, MALANGA, YAUTIA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, LEAVES, FRESH, (2)					
REF NO 2-10-883					
DRY MATTER		%	16.0	100.0	1
ORGANIC MATTER		%	14.1	88.3	
ASH		%	1.9	11.7	1
CRUDE FIBER		%	1.3	8.0	1
ETHER EXTRACT		%	0.9	5.8	1
NITROGEN FREE EXTRACT		%	9.0	56.1	1
PROTEIN		%	2.9	18.4	1
CATTLE	DIG PROT	% *	2.2	13.5	
GOATS	DIG PROT	% *	2.2	13.7	
HORSES	DIG PROT	% *	2.1	13.2	
RABBITS	DIG PROT	% *	2.1	12.9	
SHEEP	DIG PROT	% *	2.3	14.1	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	0.54	3.40	
SHEEP	ME MCAL/KG	*	0.45	2.78	
SHEEP	TDN	% *	12.3	77.0	
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, PETIOLES, FRESH, (2)					
REF NO 2-10-885					
DRY MATTER		%	5.8	100.0	1
ORGANIC MATTER		%	4.7	80.6	
ASH		%	1.1	19.4	1
CRUDE FIBER		%	0.8	14.1	1
ETHER EXTRACT		%	0.1	2.2	1
NITROGEN FREE EXTRACT		%	3.0	52.5	1
PROTEIN		%	0.7	11.8	1
CATTLE	DIG PROT	% *	0.5	7.9	
GOATS	DIG PROT	% *	0.4	7.6	
HORSES	DIG PROT	% *	0.4	7.5	
RABBITS	DIG PROT	% *	0.5	7.8	
SHEEP	DIG PROT	% *	0.5	8.0	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	0.16	2.74	
SHEEP	DE MCAL/KG	*	0.16	2.80	
CATTLE	ME MCAL/KG	*	0.13	2.25	
SHEEP	ME MCAL/KG	*	0.13	2.30	
CATTLE	NE-M	MCAL/KG	*	0.08	1.34
CATTLE	NE-GAIN	MCAL/KG	*	0.04	0.73
CATTLE	NE-LACTATION	MCAL/KG	*	0.08	1.43
CATTLE	TDN	% *	3.6	62.2	
SHEEP	TDN	% *	3.7	63.6	
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, FRUIT, FRESH, (4)					
REF NO 4-10-886					
DRY MATTER		%	21.8	100.0	1
CRUDE FIBER		%	0.9	4.0	1
ETHER EXTRACT		%	0.2	0.8	1
PROTEIN		%	1.2	5.3	1
CATTLE	DIG PROT	% *	0.2	0.9	
GOATS	DIG PROT	% *	0.5	2.1	
HORSES	DIG PROT	% *	0.5	2.1	
SHEEP	DIG PROT	% *	0.5	2.1	
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, PEELINGS, FRESH, (4)					
REF NO 4-10-884					
DRY MATTER		%	35.9	100.0	2
ORGANIC MATTER		%	33.5	93.4	
ASH		%	2.4	6.6	2
CRUDE FIBER		%	3.2	9.1	2
ETHER EXTRACT		%	0.3	0.9	2
NITROGEN FREE EXTRACT		%	27.7	77.1	2
PROTEIN		%	2.3	6.4	2
CATTLE	DIG PROT	% *	0.7	1.9	
GOATS	DIG PROT	% *	1.1	3.1	
HORSES	DIG PROT	% *	1.1	3.1	
SHEEP	DIG PROT	% *	1.1	3.1	
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG	*	1.01	2.82	
SHEEP	DE MCAL/KG	*	1.26	3.52	
SWINE	DE KCAL/KG	*	1286.	3583.	
CATTLE	ME MCAL/KG	*	0.83	2.31	
SHEEP	ME MCAL/KG	*	1.04	2.89	
SWINE	ME KCAL/KG	*	1218.	3393.	
CATTLE	NE-M	MCAL/KG	*	0.50	1.38
CATTLE	NE-GAIN	MCAL/KG	*	0.28	0.79
CATTLE	NE-LACTATION	MCAL/KG	*	0.53	1.48
CATTLE	TDN	% *	22.9	63.9	
SHEEP	TDN	% *	28.7	79.9	
SWINE	TDN	% *	29.2	81.3	

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV NO
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, ROOTS, COOKED, (4)					
REF NO 4-10-880					
DRY MATTER		%	31.0	100.0	2
ORGANIC MATTER		%	30.0	96.7	
ASH		%	1.0	3.3	2
CRUDE FIBER		%	0.6	2.0	2
ETHER EXTRACT		%	0.1	0.4	2
NITROGEN FREE EXTRACT		%	28.0	90.2	1
PROTEIN		%	1.2	4.0	2
CATTLE	DIG PROT	% *	-0.1	-0.3	
GOATS	DIG PROT	% *	0.3	0.9	
HORSES	DIG PROT	% *	0.3	0.9	
SHEEP	DIG PROT	% *	0.3	0.9	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	1.18	3.80	
SWINE	DE KCAL/KG	*	1232.	3974.	
SHEEP	ME MCAL/KG	*	0.96	3.11	
SWINE	ME KCAL/KG	*	1173.	3783.	
SHEEP	TDN	% *	26.7	86.1	
SWINE	TDN	% *	27.9	90.1	
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, ROOTS, FRESH, (4)					
REF NO 4-10-879					
DRY MATTER		%	38.0	100.0	2
ORGANIC MATTER		%	36.3	95.7	
ASH		%	1.6	4.3	2
CRUDE FIBER		%	0.9	2.3	2
ETHER EXTRACT		%	0.1	0.2	2
NITROGEN FREE EXTRACT		%	33.4	88.0	2
PROTEIN		%	2.0	5.3	2
CATTLE	DIG PROT	% *	0.3	0.8	
GOATS	DIG PROT	% *	0.8	2.0	
HORSES	DIG PROT	% *	0.8	2.0	
SHEEP	DIG PROT	% *	0.8	2.0	
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG	*	1490.	3926.	
SWINE	ME KCAL/KG	*	1414.	3727.	
SWINE	TDN	% *	33.8	89.0	
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, ROOTS NO PEELINGS, COOKED, (4)					
REF NO 4-10-881					
DRY MATTER		%	36.9	100.0	1
ORGANIC MATTER		%	35.8	97.1	
ASH		%	1.1	2.9	1
CRUDE FIBER		%	0.7	1.9	1
ETHER EXTRACT		%	0.2	0.5	1
NITROGEN FREE EXTRACT		%	33.7	91.3	1
PROTEIN		%	1.3	3.4	1
CATTLE	DIG PROT	% *	-0.3	-0.9	
GOATS	DIG PROT	% *	0.1	0.4	
HORSES	DIG PROT	% *	0.1	0.4	
SHEEP	DIG PROT	% *	0.1	0.4	
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG	*	1.41	3.81	
SWINE	DE KCAL/KG	*	1475.	3996.	
SHEEP	ME MCAL/KG	*	1.15	3.12	
SWINE	ME KCAL/KG	*	1405.	3809.	
SHEEP	TDN	% *	31.9	86.4	
SWINE	TDN	% *	33.4	90.6	
XANTHOSOMA SAGITTAEFOLIUM YAUTIA, ROOTS NO PEELINGS, FRESH, (4)					
REF NO 4-10-882					
DRY MATTER		%	30.8	100.0	2
ORGANIC MATTER		%	29.5	95.9	
ASH		%	1.3	4.1	2
CRUDE FIBER		%	0.5	1.6	2
ETHER EXTRACT		%	0.1	0.3	2
NITROGEN FREE EXTRACT		%	27.4	89.1	2
PROTEIN		%	1.6	5.1	2
CATTLE	DIG PROT	% *	0.2	0.7	
GOATS	DIG PROT	% *	0.6	1.9	
HORSES	DIG PROT	% *	0.6	1.9	
SHEEP	DIG PROT	% *	0.6	1.9	
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG	*	1208.	3929.	
SWINE	ME KCAL/KG	*	1148.	3732.	
SWINE	TDN	% *	27.4	89.1	

XANTHOSOMA SPP, MALANGA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
XANTHOSOMA SPP, ROOTS, FRESH, (4)						
REF NO 4-17-441						
DRY MATTER		%	28.4	100.0		2
ORGANIC MATTER		%	26.5	93.3		
ASH		%	1.9	6.7		2
CRUDE FIBER		%	1.4	5.1		2
ETHER EXTRACT		%	0.3	1.0		2
NITROGEN FREE EXTRACT		%	22.1	78.0		2
PROTEIN		%	2.6	9.2		2
CATTLE	DIG PROT % *		1.3	4.5		
GOATS	DIG PROT % *		1.6	5.7		
HORSES	DIG PROT % *		1.6	5.7		
SHEEP	DIG PROT % *		1.6	5.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.82	2.88		
SHEEP	DE MCAL/KG *		1.03	3.62		
SWINE	DE KCAL/KG *		1027.	3622.		
CATTLE	ME MCAL/KG *		0.67	2.36		
SHEEP	ME MCAL/KG *		0.84	2.97		
SWINE	ME KCAL/KG *		966.	3409.		
CATTLE	NE-M MCAL/KG *		0.40	1.42		
CATTLE	NE-GAIN MCAL/KG *		0.24	0.83		
CATTLE	NE-LACTATION MCAL/KG *		0.44	1.53		
CATTLE	TDN % *		18.5	65.3		
SHEEP	TDN % *		23.3	82.1		
SWINE	TDN % *		23.3	82.1		

XANTHOSOMA VIOLACEUM, MALANGA, PRIMROSE

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
XANTHOSOMA VIOLACEUM PRIMROSE, FRUIT, FRESH, (4)						
REF NO 4-10-887						
DRY MATTER		%	30.1	100.0		1
ORGANIC MATTER		%	29.3	97.3		
ASH		%	0.8	2.7		2
CRUDE FIBER		%	0.6	2.0		2
ETHER EXTRACT		%	0.4	1.3		2
NITROGEN FREE EXTRACT		%	26.4	87.7		2
PROTEIN		%	1.9	6.2		2
CATTLE	DIG PROT % *		0.5	1.7		
GOATS	DIG PROT % *		0.9	3.0		
HORSES	DIG PROT % *		0.9	3.0		
SHEEP	DIG PROT % *		0.9	3.0		
ENERGY	GE KCAL/KG					
SHEEP	DE MCAL/KG *		1.15	3.82		
SWINE	DE KCAL/KG *		1165.	3870.		
SHEEP	ME MCAL/KG *		0.94	3.13		
SWINE	ME KCAL/KG *		1104.	3666.		
SHEEP	TDN % *		26.1	86.7		
SWINE	TDN % *		26.4	87.8		

YUCCA SPP, YUCCA

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
YUCCA SPP, BROWSE, FRESH, (2)						
REF NO 2-13-339						
DRY MATTER		%	13.2	100.0		1
ORGANIC MATTER		%	12.3	92.9		
ASH		%	0.9	7.2		2
CRUDE FIBER		%	2.5	19.1		2
ETHER EXTRACT		%	0.5	4.1		2
NITROGEN FREE EXTRACT		%	7.0	52.9		2
PROTEIN		%	2.2	16.9		2
CATTLE	DIG PROT % *		1.6	12.2		
GOATS	DIG PROT % *		1.6	12.3		
HORSES	DIG PROT % *		1.6	11.8		
RABBITS	DIG PROT % *		1.5	11.7		
SHEEP	DIG PROT % *		1.7	12.7		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		0.53	4.03		
SHEEP	DE MCAL/KG *		0.41	3.10		
CATTLE	ME MCAL/KG *		0.44	3.31		
SHEEP	ME MCAL/KG *		0.34	2.54		
CATTLE	NE-M MCAL/KG *		0.30	2.29		
CATTLE	NE-GAIN MCAL/KG *		0.20	1.49		
CATTLE	NE-LACTATION MCAL/KG *		0.32	2.43		
CATTLE	TDN % *		12.1	91.5		
SHEEP	TDN % *		9.3	70.3		

ZEA MAYS, CORN

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ZEA MAYS, AERIAL PART, DEHY, (1) DEHYDRATED CORN PLANT (AAFCO)						
REF NO 1-02-768						
DRY MATTER		%	94.9	100.0		3
ORGANIC MATTER		%	87.1	91.8		1
ASH		%	6.4	6.7		3
CRUDE FIBER		%	32.1	33.9		3
ETHER EXTRACT		%	2.1	2.2		3
NITROGEN FREE EXTRACT		%	47.4	49.9		3
PROTEIN		%	6.9	7.3		3
CATTLE	DIG PROT % *		3.1	3.3		
GOATS	DIG PROT % *		3.2	3.4		
HORSES	DIG PROT % *		3.5	3.7		
RABBITS	DIG PROT % *		4.1	4.3		
SHEEP	DIG PROT % *		3.0	3.1		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.28	2.40		
HORSES	DE MCAL/KG *		1.67	1.76		
SHEEP	DE MCAL/KG *		2.21	2.33		
CATTLE	ME MCAL/KG *		1.87	1.97		
HORSES	ME MCAL/KG *		1.37	1.45		
SHEEP	ME MCAL/KG *		1.81	1.91		
CATTLE	NE-M MCAL/KG *		1.10	1.16		
CATTLE	NE-GAIN MCAL/KG *		0.43	0.46		
CATTLE	NE-LACTATION MCAL/KG *		1.10	1.16		
CATTLE	TDN % *		51.7	54.5		
HORSES	TDN % *		41.4	43.6		
SHEEP	TDN % *		50.0	52.8		
CALCIUM		%	1.86	1.96		3
IRON		%	0.001	0.001		1
PHOSPHORUS		%	0.14	0.14		3

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ZEA MAYS, AERIAL PART, DEHY GRND, (1)						
REF NO 1-13-580						
DRY MATTER		%	93.2	100.0		1
ORGANIC MATTER		%	87.7	94.1		
ASH		%	5.5	5.9		1
CRUDE FIBER		%	31.9	34.2		1
ETHER EXTRACT		%	3.0	3.2		1
NITROGEN FREE EXTRACT		%	47.6	51.1		1
PROTEIN		%	5.2	5.6		1
CATTLE	DIG PROT % *		1.7	1.8		
GOATS	DIG PROT % *		1.7	1.8		
HORSES	DIG PROT % *		2.1	2.3		
RABBITS	DIG PROT % *		2.8	3.0		
SHEEP	DIG PROT % *		1.5	1.6		
ENERGY	GE KCAL/KG					
CATTLE	DE MCAL/KG *		2.32	2.49		
HORSES	DE MCAL/KG *		1.84	1.98		
SHEEP	DE MCAL/KG *		2.18	2.34		
CATTLE	ME MCAL/KG *		1.90	2.04		
HORSES	ME MCAL/KG *		1.51	1.62		
SHEEP	ME MCAL/KG *		1.78	1.92		
CATTLE	NE-M MCAL/KG *		1.12	1.20		
CATTLE	NE-GAIN MCAL/KG *		0.50	0.53		
CATTLE	NE-LACTATION MCAL/KG *		1.15	1.23		
CATTLE	TDN % *		52.6	56.5		
HORSES	TDN % *		46.1	49.4		
SHEEP	TDN % *		49.4	53.0		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ZEA MAYS, AERIAL PART, S-C, (1) CORN FODDER, SUN-CURED						
REF NO 1-02-775						
DRY MATTER		%	82.8	100.0	23	6
ORGANIC MATTER		%	76.4	92.3		
ASH		%	6.4	7.7	27	8
CRUDE FIBER		%	23.3	28.2	20	8
SHEEP	DIG COEF %		32.	32.		1
ETHER EXTRACT		%	1.4	1.7	30	8
SHEEP	DIG COEF %		74.	74.		1
NITROGEN FREE EXTRACT		%	43.8	52.9	10	8
SHEEP	DIG COEF %		53.	53.		1
PROTEIN		%	7.9	9.5	98	16
SHEEP	DIG COEF %		38.	38.		1
CATTLE	DIG PROT % *		4.3	5.2		
GOATS	DIG PROT % *		4.5	5.5		
HORSES	DIG PROT % *		4.7	5.6		
RABBITS	DIG PROT % *		5.0	6.0		
SHEEP	DIG PROT %		3.0	3.6		
ENERGY	GE KCAL/KG		4347.	5252.		1
SHEEP	GE DIG COEF %		48.	48.		1
CATTLE	DE MCAL/KG *		2.01	2.43		
HORSES	DE MCAL/KG *		1.44	1.74		
SHEEP	DE MCAL/KG		2.09	2.52		
CATTLE	ME MCAL/KG *		1.65	1.99		
HORSES	ME MCAL/KG *		1.18	1.43		
SHEEP	ME MCAL/KG *		1.71	2.07		
CATTLE	NE-M MCAL/KG *		0.97	1.17		
CATTLE	NE-GAIN MCAL/KG *		0.40	0.48		
CATTLE	NE-LACTATION MCAL/KG *		0.98	1.18		
CATTLE	TDN % *		45.6	55.1		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
HORSES		TDN % *	35.5	43.0		
SHEEP		TDN %	36.0	43.5		1
CALCIUM		%	0.31	0.38		2
PHOSPHORUS		%	0.14	0.17		2

ZEA MAYS, AERIAL PART, S-C CHOPPED, (1)

REF NO 1-10-437

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	63.7	100.0	13	4
ORGANIC MATTER		%	57.6	90.4	34	2
ASH		%	5.9	9.3	34	4
CRUDE FIBER		%	21.9	34.4	16	4
ETHER EXTRACT		%	1.1	1.8	12	4
NITROGEN FREE EXTRACT		%	31.0	48.6	10	4
PROTEIN		%	3.7	5.9	79	4
CATTLE	DIG PROT	% *	1.3	2.0		
GOATS	DIG PROT	% *	1.3	2.0		
HORSES	DIG PROT	% *	1.6	2.5		
RABBITS	DIG PROT	% *	2.0	3.2		
SHEEP	DIG PROT	% *	1.2	1.8		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.42	2.24		
HORSES	DE	MCAL/KG *	1.05	1.65		
SHEEP	DE	MCAL/KG *	1.41	2.21		
CATTLE	ME	MCAL/KG *	1.17	1.83		
HORSES	ME	MCAL/KG *	0.86	1.35		
SHEEP	ME	MCAL/KG *	1.15	1.81		
CATTLE	NE-M	MCAL/KG *	0.69	1.08		
CATTLE	NE-GAIN	MCAL/KG *	0.20	0.31		
CATTLE	NE-LACTATION	MCAL/KG *	0.66	1.03		
CATTLE		TDN % *	32.3	50.7		
HORSES		TDN % *	25.8	40.5		
SHEEP		TDN % *	31.9	50.0		
CALCIUM		%	0.25	0.39		2
IRON		%	0.006	0.010		1
PHOSPHORUS		%	0.09	0.14		2

ZEA MAYS, AERIAL PART, S-C GRND, (1)

REF NO 1-09-708

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.3	100.0		3
ORGANIC MATTER		%	87.0	98.6		
ASH		%	1.3	1.4	27	4
CRUDE FIBER		%	3.3	3.7	98	4
ETHER EXTRACT		%	3.7	4.2	12	4
NITROGEN FREE EXTRACT		%	72.0	81.6	5	4
PROTEIN		%	8.0	9.1	5	4
CATTLE	DIG PROT	% *	4.3	4.8		
GOATS	DIG PROT	% *	4.5	5.0		
HORSES	DIG PROT	% *	4.6	5.3		
RABBITS	DIG PROT	% *	5.0	5.7		
SHEEP	DIG PROT	% *	4.2	4.7		

ZEA MAYS, AERIAL PART NO EARS NO HUSKS, CHOPPED DEHY GRND, (1)

REF NO 1-13-325

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.2	100.0		2
ORGANIC MATTER		%	78.5	89.0		2
ASH		%	9.7	11.0		2
CRUDE FIBER		%	32.0	36.3		2
ETHER EXTRACT		%	1.7	1.9		2
NITROGEN FREE EXTRACT		%	39.9	45.3		2
PROTEIN		%	4.8	5.5		2
CATTLE	DIG PROT	% *	1.5	1.7		
GOATS	DIG PROT	% *	1.5	1.7		
HORSES	DIG PROT	% *	1.9	2.2		
RABBITS	DIG PROT	% *	2.6	2.9		
SHEEP	DIG PROT	% *	1.3	1.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.89	2.14		
HORSES	DE	MCAL/KG *	1.47	1.67		
SHEEP	DE	MCAL/KG *	1.87	2.13		
CATTLE	ME	MCAL/KG *	1.55	1.75		
HORSES	ME	MCAL/KG *	1.20	1.37		
SHEEP	ME	MCAL/KG *	1.54	1.74		
CATTLE	NE-M	MCAL/KG *	0.92	1.04		
CATTLE	NE-GAIN	MCAL/KG *	0.19	0.22		
CATTLE	NE-LACTATION	MCAL/KG *	0.84	0.96		
CATTLE		TDN % *	42.8	48.5		
HORSES		TDN % *	36.1	40.9		
SHEEP		TDN % *	42.5	48.2		
CALCIUM		%	0.41	0.47		2
PHOSPHORUS		%	0.14	0.16		2

ZEA MAYS, AERIAL PART NO EARS NO HUSKS, S-C, (1)
CORN STOVER, SUN-CURED

REF NO 1-02-778

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	92.3	100.0	1	12
ORGANIC MATTER		%	85.1	92.1	18	10
ASH		%	7.5	8.1	18	12
CRUDE FIBER		%	29.4	31.8	25	12
ETHER EXTRACT		%	1.8	1.9	13	12
NITROGEN FREE EXTRACT		%	45.7	49.5	8	12
PROTEIN		%	7.9	8.6	98	12
CATTLE	DIG PROT	% *	4.1	4.4		
GOATS	DIG PROT	% *	4.2	4.6		
HORSES	DIG PROT	% *	4.5	4.8		
RABBITS	DIG PROT	% *	4.9	5.3		
SHEEP	DIG PROT	% *	4.0	4.3		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.19	2.38		
HORSES	DE	MCAL/KG *	1.63	1.77		
SHEEP	DE	MCAL/KG *	2.15	2.33		
CATTLE	ME	MCAL/KG *	1.80	1.95		
HORSES	ME	MCAL/KG *	1.34	1.45		
SHEEP	ME	MCAL/KG *	1.77	1.91		
CATTLE	NE-M	MCAL/KG *	1.06	1.15		
CATTLE	NE-GAIN	MCAL/KG *	0.40	0.43		
CATTLE	NE-LACTATION	MCAL/KG *	1.05	1.14		
CATTLE		TDN % *	49.8	53.9		
HORSES		TDN % *	40.3	43.7		
SHEEP		TDN % *	48.9	52.9		
CALCIUM		%	0.00	0.00		1
IRON		%	0.001	0.001		1
PHOSPHORUS		%	0.00	0.00		1

ZEA MAYS, COBS, (1)

REF NO 1-02-783

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.4	100.0	2	12
ORGANIC MATTER		%	88.6	98.1	99	5
ASH		%	3.0	3.4	99	18
CRUDE FIBER		%	31.3	34.6	25	19
ETHER EXTRACT		%	1.6	1.8	98	17
NITROGEN FREE EXTRACT		%	50.9	56.4	8	18
PROTEIN		%	3.5	3.8	72	19
CATTLE	DIG PROT	% *	0.2	0.3		
GOATS	DIG PROT	% *	0.1	0.1		
HORSES	DIG PROT	% *	0.7	0.8		
RABBITS	DIG PROT	% *	1.5	1.6		
SHEEP	DIG PROT	% *				
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.20	2.43		
HORSES	DE	MCAL/KG *	1.37	1.51		
SHEEP	DE	MCAL/KG *	2.11	2.33		
CATTLE	ME	MCAL/KG *	1.80	2.00		
HORSES	ME	MCAL/KG *	1.12	1.24		
SHEEP	ME	MCAL/KG *	1.73	1.91		
CATTLE	NE-M	MCAL/KG *	1.06	1.18		
CATTLE	NE-GAIN	MCAL/KG *	0.44	0.48		
CATTLE	NE-LACTATION	MCAL/KG *	1.07	1.18		
CATTLE		TDN % *	49.9	55.2		
HORSES		TDN % *	33.2	36.7		
SHEEP		TDN % *	47.8	53.0		
CALCIUM		%	0.02	0.02		2
IRON		%	0.006	0.007		1
PHOSPHORUS		%	0.02	0.02		2

ZEA MAYS, COBS AND HUSKS, GRND, (1)

REF NO 1-09-588

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.8	100.0		3
ORGANIC MATTER		%	86.3	97.2		
ASH		%	2.5	2.8		3
CRUDE FIBER		%	23.5	26.5		3
ETHER EXTRACT		%	1.2	1.4		3
NITROGEN FREE EXTRACT		%	57.2	64.4		3
PROTEIN		%	4.4	4.9		3
CATTLE	DIG PROT	% *	1.1	1.2		
GOATS	DIG PROT	% *	1.0	1.2		
HORSES	DIG PROT	% *	1.5	1.7		
RABBITS	DIG PROT	% *	2.2	2.5		
SHEEP	DIG PROT	% *	0.9	1.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.10	2.36		
SHEEP	DE	MCAL/KG *	2.16	2.43		
CATTLE	ME	MCAL/KG *	1.72	1.94		
SHEEP	ME	MCAL/KG *	1.77	1.99		
CATTLE	NE-M	MCAL/KG *	1.01	1.14		
CATTLE	NE-GAIN	MCAL/KG *	0.38	0.42		
CATTLE	NE-LACTATION	MCAL/KG *	1.00	1.13		
CATTLE		TDN % *	47.6	53.6		
SHEEP		TDN % *	48.9	55.1		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ZEA MAYS, COBS, CRACKED, (1)						
REF NO 1-10-438						
DRY MATTER		%	92.1	100.0		2
ORGANIC MATTER		%	90.6	98.4		
ASH		%	1.4	1.6		2
CRUDE FIBER		%	31.9	34.6		2
ETHER EXTRACT		%	0.6	0.7		2
NITROGEN FREE EXTRACT		%	55.4	60.1		2
PROTEIN		%	2.8	3.0		2
CATTLE	DIG PROT	% *	-0.4	-0.4		
GOATS	DIG PROT	% *	-0.6	-0.6		
HORSES	DIG PROT	% *	0.1	0.1		
RABBITS	DIG PROT	% *	0.9	1.0		
SHEEP	DIG PROT	% *	-0.7	-0.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.08	2.26		
SHEEP	DE	MCAL/KG *	2.11	2.29		
CATTLE	ME	MCAL/KG *	1.71	1.86		
SHEEP	ME	MCAL/KG *	1.73	1.88		
CATTLE	NE-M	MCAL/KG *	1.01	1.10		
CATTLE	NE-GAIN	MCAL/KG *	0.31	0.33		
CATTLE	NE-LACTATION	MCAL/KG *	0.97	1.05		
CATTLE		TDN % *	47.3	51.3		
SHEEP		TDN % *	47.8	51.9		
CALCIUM		%	0.03	0.03		1
COPPER		MG/KG	10.1	11.0		1
IRON		%	0.009	0.010		1
MAGNESIUM		%	0.03	0.03		1
MANGANESE		MG/KG	3.7	4.0		1
ZEA MAYS, COBS, GRND, (1) GROUND CORN COB (AAFCO)						
REF NO 1-02-782						
DRY MATTER		%	87.6	100.0	7	21
ORGANIC MATTER		%	84.3	96.3	83	6
ASH		%	4.2	4.8	83	16
SHEEP	DIG COEF	%	48.	48.		
CRUDE FIBER		%	31.5	36.0	22	20
HORSES	DIG COEF	%	5.	5.		1
SHEEP	DIG COEF	%	55.	55.		2
ETHER EXTRACT		%	2.7	3.0	98	20
SHEEP	DIG COEF	%	34.	34.		1
NITROGEN FREE EXTRACT		%	46.2	52.8	10	18
HORSES	DIG COEF	%	45.	45.		1
SHEEP	DIG COEF	%	55.	55.		2
PROTEIN		%	2.9	3.3	52	29
HORSES	DIG COEF	%	16.	16.		1
CATTLE	DIG PROT	% *	-0.1	-0.2		
GOATS	DIG PROT	% *	-0.3	-0.3		
HORSES	DIG PROT	%	0.5	0.5		
RABBITS	DIG PROT	% *	1.1	1.2		
SHEEP	DIG PROT	% *	-0.4	-0.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.19	2.50		
HORSES	DE	MCAL/KG *	1.14	1.30		
SHEEP	DE	MCAL/KG *	1.95	2.23		
CATTLE	ME	MCAL/KG *	1.79	2.05		
HORSES	ME	MCAL/KG *	0.93	1.07		
SHEEP	ME	MCAL/KG *	1.60	1.83		
CATTLE	NE-M	MCAL/KG *	1.06	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.47	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	1.08	1.23		
CATTLE		TDN % *	49.6	56.6		
HORSES		TDN %	27.1	30.9		1
SHEEP		TDN %	44.2	50.5		2
CALCIUM		%	0.26	0.30	98	7
IRON		%	(0.009)	(0.010)	68	5
MAGNESIUM		%	0.06	0.07		1
PHOSPHORUS		%	(0.17)	(0.19)	83	6
CHICKENS, CHICKS AVAILABLE		%	(0.01)	(0.01)		1
POTASSIUM		%	0.79	0.91		1
ZEA MAYS, HUSKS, (1)						
REF NO 1-02-786						
DRY MATTER		%	89.1	100.0		2
ORGANIC MATTER		%	82.7	92.9		
ASH		%	6.3	7.1	43	5
CRUDE FIBER		%	22.1	24.8	46	5
ETHER EXTRACT		%	3.5	4.0	74	5
NITROGEN FREE EXTRACT		%	48.8	54.8	17	5
PROTEIN		%	8.3	9.4	33	5
CATTLE	DIG PROT	% *	4.5	5.0		
GOATS	DIG PROT	% *	4.7	5.3		
HORSES	DIG PROT	% *	4.9	5.5		
RABBITS	DIG PROT	% *	5.2	5.9		
SHEEP	DIG PROT	% *	4.4	5.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.47	2.77		
HORSES	DE	MCAL/KG *	1.84	2.06		
SHEEP	DE	MCAL/KG *	2.32	2.61		
CATTLE	ME	MCAL/KG *	2.02	2.27		
HORSES	ME	MCAL/KG *	1.51	1.69		
SHEEP	ME	MCAL/KG *	1.90	2.14		
CATTLE	NE-M	MCAL/KG *	1.21	1.35		
CATTLE	NE-GAIN	MCAL/KG *	0.67	0.75		
CATTLE	NE-LACTATION	MCAL/KG *	1.29	1.45		
CATTLE		TDN % *	56.0	62.8		
HORSES		TDN % *	46.1	51.8		
SHEEP		TDN % *	52.6	59.1		
ZEA MAYS, LEAVES, DEHY, (1)						
REF NO 1-10-439						
DRY MATTER		%	88.6	100.0		1
ORGANIC MATTER		%	79.3	89.5		
ASH		%	9.3	10.5		1
CRUDE FIBER		%	24.9	28.1		1
ETHER EXTRACT		%	2.8	3.2		1
NITROGEN FREE EXTRACT		%	41.9	47.3		1
PROTEIN		%	9.7	10.9		1
CATTLE	DIG PROT	% *	5.7	6.4		
GOATS	DIG PROT	% *	6.0	6.8		
HORSES	DIG PROT	% *	6.0	6.8		
RABBITS	DIG PROT	% *	6.3	7.1		
SHEEP	DIG PROT	% *	5.7	6.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.21	2.49		
HORSES	DE	MCAL/KG *	1.75	1.97		
SHEEP	DE	MCAL/KG *	2.13	2.40		
CATTLE	ME	MCAL/KG *	1.81	2.04		
HORSES	ME	MCAL/KG *	1.43	1.62		
SHEEP	ME	MCAL/KG *	1.75	1.97		
CATTLE	NE-M	MCAL/KG *	1.07	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.47	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	1.09	1.23		
CATTLE		TDN % *	50.1	56.6		
HORSES		TDN % *	43.7	49.3		
SHEEP		TDN % *	48.3	54.5		
ZEA MAYS, LEAVES, DEHY GRND, (1)						
REF NO 1-13-307						
DRY MATTER		%	88.6	100.0		1
ORGANIC MATTER		%	79.3	89.5		1
ASH		%	9.3	10.5		1
CRUDE FIBER		%	24.9	28.1		1
ETHER EXTRACT		%	2.8	3.2		1
NITROGEN FREE EXTRACT		%	41.9	47.3		1
PROTEIN		%	9.7	10.9		1
CATTLE	DIG PROT	% *	5.7	6.4		
GOATS	DIG PROT	% *	6.0	6.8		
HORSES	DIG PROT	% *	6.0	6.8		
RABBITS	DIG PROT	% *	6.3	7.1		
SHEEP	DIG PROT	% *	5.7	6.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.21	2.49		
HORSES	DE	MCAL/KG *	1.75	1.97		
SHEEP	DE	MCAL/KG *	2.13	2.40		
CATTLE	ME	MCAL/KG *	1.81	2.04		
HORSES	ME	MCAL/KG *	1.43	1.62		
SHEEP	ME	MCAL/KG *	1.75	1.97		
CATTLE	NE-M	MCAL/KG *	1.07	1.21		
CATTLE	NE-GAIN	MCAL/KG *	0.47	0.54		
CATTLE	NE-LACTATION	MCAL/KG *	1.09	1.23		
CATTLE		TDN % *	50.1	56.6		
HORSES		TDN % *	43.7	49.3		
SHEEP		TDN % *	48.3	54.5		
ZEA MAYS, LEAVES, S-C, (1)						
REF NO 1-02-788						
DRY MATTER		%		100.0		
PROTEIN		%		8.0	6	8
CATTLE	DIG PROT	% *		3.8		
GOATS	DIG PROT	% *		4.0		
HORSES	DIG PROT	% *		4.3		
RABBITS	DIG PROT	% *		4.8		
SHEEP	DIG PROT	% *		3.7		
ZEA MAYS, STALKS, DEHY, (1)						
REF NO 1-13-329						
DRY MATTER		%	83.2	100.0		3
ORGANIC MATTER		%	77.3	92.8		3
ASH		%	6.0	7.2		3
CRUDE FIBER		%	39.7	47.7		3
ETHER EXTRACT		%	1.2	1.4		3
NITROGEN FREE EXTRACT		%	33.4	40.2		3
PROTEIN		%	3.0	3.6		3
CATTLE	DIG PROT	% *				
GOATS	DIG PROT	% *	-0.1	-0.1		
HORSES	DIG PROT	% *	0.5	0.5		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT % *	1.2	1.4		
SHEEP	DIG PROT % *	-0.2	-0.2		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	1.81	2.17		
HORSES	DE MCAL/KG *	1.07	1.29		
SHEEP	DE MCAL/KG *	1.79	2.15		
CATTLE	ME MCAL/KG *	1.48	1.78		
HORSES	ME MCAL/KG *	0.88	1.06		
SHEEP	ME MCAL/KG *	1.47	1.77		
CATTLE	NE-M MCAL/KG *	0.88	1.05		
CATTLE	NE-GAIN MCAL/KG *	0.20	0.24		
CATTLE	NE-LACTATION MCAL/KG *	0.81	0.98		
CATTLE	TDN % *	40.9	49.2		
HORSES	TDN % *	25.5	30.6		
SHEEP	TDN % *	40.6	48.8		
CALCIUM	%	0.19	0.23		3
PHOSPHORUS	%	0.16	0.19		3

ZEA MAYS, STEMS, (1)

REF NO 1-02-795

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.3	100.0		1
ORGANIC MATTER	%	86.6	93.8		
ASH	%	5.7	6.2		1
CRUDE FIBER	%	38.7	41.9		1
ETHER EXTRACT	%	1.4	1.5		1
NITROGEN FREE EXTRACT	%	42.3	45.8		1
PROTEIN	%	4.2	4.6	15	8
CATTLE	DIG PROT % *	0.8	0.9		
GOATS	DIG PROT % *	0.7	0.8		
HORSES	DIG PROT % *	1.3	1.4		
RABBITS	DIG PROT % *	2.0	2.2		
SHEEP	DIG PROT % *	0.6	0.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.09	2.26		
HORSES	DE MCAL/KG *	1.33	1.44		
SHEEP	DE MCAL/KG *	2.04	2.21		
CATTLE	ME MCAL/KG *	1.71	1.86		
HORSES	ME MCAL/KG *	1.09	1.18		
SHEEP	ME MCAL/KG *	1.67	1.81		
CATTLE	NE-M MCAL/KG *	1.01	1.10		
CATTLE	NE-GAIN MCAL/KG *	0.31	0.33		
CATTLE	NE-LACTATION MCAL/KG *	0.97	1.05		
CATTLE	TDN % *	47.4	51.4		
HORSES	TDN % *	32.0	34.7		
SHEEP	TDN % *	46.3	50.1		
CALCIUM	%	0.00	0.00		1
PHOSPHORUS	%	0.00	0.00		1

ZEA MAYS, TOP OF AERIAL PART, S-C, (1)

REF NO 1-02-766

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.0	100.0		1
ORGANIC MATTER	%	83.3	90.5		1
ASH	%	8.7	9.5		1
CRUDE FIBER	%	35.0	38.0		1
ETHER EXTRACT	%	1.9	2.1		1
NITROGEN FREE EXTRACT	%	42.3	46.0		1
PROTEIN	%	4.1	4.5		1
CATTLE	DIG PROT % *	0.7	0.8		
GOATS	DIG PROT % *	0.7	0.7		
HORSES	DIG PROT % *	1.2	1.3		
RABBITS	DIG PROT % *	1.9	2.1		
SHEEP	DIG PROT % *	0.5	0.6		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.00	2.18		
HORSES	DE MCAL/KG *	1.52	1.66		
SHEEP	DE MCAL/KG *	1.96	2.13		
CATTLE	ME MCAL/KG *	1.64	1.79		
HORSES	ME MCAL/KG *	1.25	1.36		
SHEEP	ME MCAL/KG *	1.61	1.75		
CATTLE	NE-M MCAL/KG *	0.97	1.06		
CATTLE	NE-GAIN MCAL/KG *	0.23	0.25		
CATTLE	NE-LACTATION MCAL/KG *	0.91	0.99		
CATTLE	TDN % *	45.5	49.4		
HORSES	TDN % *	37.4	40.6		
SHEEP	TDN % *	44.5	48.4		
CALCIUM	%	0.19	0.21		1
PHOSPHORUS	%	0.09	0.10		1

ZEA MAYS, AERIAL PART, FRESH, (2)
CORN FODDER, FRESH

REF NO 2-02-806

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	28.2	100.0	18	10
ORGANIC MATTER	%	26.0	92.3	57	2
ASH	%	2.4	8.7	57	31
CRUDE FIBER	%	7.8	27.8	24	31
ETHER EXTRACT	%	0.8	2.8	33	31
NITROGEN FREE EXTRACT	%	15.0	53.4	15	31
PROTEIN	%	2.0	7.3	30	32
CATTLE	DIG PROT % *	1.1	4.1		
GOATS	DIG PROT % *	0.9	3.3		
HORSES	DIG PROT % *	1.0	3.7		
RABBITS	DIG PROT % *	1.2	4.3		
SHEEP	DIG PROT % *	1.1	3.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.79	2.81		
SHEEP	DE MCAL/KG *	0.76	2.68		
CATTLE	ME MCAL/KG *	0.65	2.31		
SHEEP	ME MCAL/KG *	0.62	2.20		
CATTLE	NE-M MCAL/KG *	0.39	1.38		
CATTLE	NE-GAIN MCAL/KG *	0.22	0.79		
CATTLE	NE-LACTATION MCAL/KG *	0.42	1.48		
CATTLE	TDN % *	18.0	63.8		
SHEEP	TDN % *	17.1	60.8		
CALCIUM	%	0.11	0.39		1
MAGNESIUM	%	0.04	0.16		1
PHOSPHORUS	%	0.01	0.04		1

ZEA MAYS, AERIAL PART, FRESH, 15 TO 28 DAYS'
GROWTH, (2)

REF NO 2-13-504

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.2		
ASH	%		11.8		2
CRUDE FIBER	%		19.4		2
ETHER EXTRACT	%		2.0		2
NITROGEN FREE EXTRACT	%		48.4		2
PROTEIN	%		16.6		2
CATTLE	DIG PROT % *		13.7		
GOATS	DIG PROT % *		13.9		
HORSES	DIG PROT % *		13.3		
RABBITS	DIG PROT % *		13.0		
SHEEP	DIG PROT % *		14.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.88		
SHEEP	DE MCAL/KG *		2.89		
CATTLE	ME MCAL/KG *		2.36		
SHEEP	ME MCAL/KG *		2.37		
CATTLE	NE-M MCAL/KG *		1.41		
CATTLE	NE-GAIN MCAL/KG *		0.83		
CATTLE	NE-LACTATION MCAL/KG *		1.53		
CATTLE	TDN % *		65.2		
SHEEP	TDN % *		63.5		

ZEA MAYS, AERIAL PART, FRESH, 43 TO 56 DAYS'
GROWTH, (2)

REF NO 2-10-419

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.9	100.0		1
ORGANIC MATTER	%	16.4	91.8		1
ASH	%	1.5	8.2		
SHEEP	DIG COEF %	34.	34.		
PROTEIN	%	1.2	6.8		1
SHEEP	DIG COEF %	48.	48.		1
CATTLE	DIG PROT % *	0.7	3.7		
GOATS	DIG PROT % *	0.5	2.9		
HORSES	DIG PROT % *	0.6	3.3		
RABBITS	DIG PROT % *	0.7	3.9		
SHEEP	DIG PROT %	0.6	3.3		
DM INTAKE, SHEEP	G/W 0.75	9.970	55.700		1

ZEA MAYS, AERIAL PART, FRESH, 57 TO 70 DAYS'
GROWTH, (2)

REF NO 2-10-417

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	21.4	100.0		2
ORGANIC MATTER	%	20.5	95.7		2
ASH	%	0.9	4.3		
SHEEP	DIG COEF %	35.	35.		
PROTEIN	%	0.9	4.3		2
SHEEP	DIG COEF %	24.	24.		2
CATTLE	DIG PROT % *	0.3	1.5		
GOATS	DIG PROT % *	0.1	0.5		
HORSES	DIG PROT % *	0.2	1.1		
RABBITS	DIG PROT % *	0.4	2.0		
SHEEP	DIG PROT %	0.2	1.0		
DM INTAKE, SHEEP	G/W 0.75	12.198	57.000		2

ZEA MAYS, AERIAL PART, FRESH, 71 TO 84 DAYS'
GROWTH, (2)

REF NO 2-10-415

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	29.3	100.0		2
ORGANIC MATTER	%	27.6	94.2		2
ASH	%	1.7	5.8		
SHEEP	DIG COEF %	41.	41.		
PROTEIN	%	2.4	8.1		2
SHEEP	DIG COEF %	57.	57.		2
CATTLE	DIG PROT % *	1.4	4.7		
GOATS	DIG PROT % *	1.2	4.1		
HORSES	DIG PROT % *	1.3	4.4		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
RABBITS	DIG PROT	% *	1.4	4.9		
SHEEP	DIG PROT	%	1.3	4.6		
DM INTAKE, SHEEP	G/W 0.75		17.258	59.000		2

ZEA MAYS, AERIAL PART, FRESH, 85 TO 98 DAYS' GROWTH, (2)

REF NO 2-10-414

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.6	100.0		1
ORGANIC MATTER		%	30.3	95.9		1
ASH		%	1.3	4.1		
SHEEP	DIG COEF	%	56.	56.		
PROTEIN		%	1.5	4.8		1
SHEEP	DIG COEF	%	33.	33.		1
CATTLE	DIG PROT	% *	0.6	2.0		
GOATS	DIG PROT	% *	0.3	1.0		
HORSES	DIG PROT	% *	0.5	1.6		
RABBITS	DIG PROT	% *	0.8	2.4		
SHEEP	DIG PROT	%	0.5	1.6		
DM INTAKE, SHEEP	G/W 0.75		14.536	46.000		1

ZEA MAYS, CORN,

ZEA MAYS, AERIAL PART, FRESH, 99 TO 112 DAYS' GROWTH, (2)

REF NO 2-13-006

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	31.5	100.0	6	12
ORGANIC MATTER		%	28.7	91.0		
ASH		%	2.8	9.0	9	12
CRUDE FIBER		%	10.1	31.9	4	12
ETHER EXTRACT		%	0.4	1.3	13	12
NITROGEN FREE EXTRACT		%	15.5	49.1	2	12
PROTEIN		%	2.8	8.8	4	12
CATTLE	DIG PROT	% *	1.7	5.3		
GOATS	DIG PROT	% *	1.5	4.7		
HORSES	DIG PROT	% *	1.6	5.0		
RABBITS	DIG PROT	% *	1.7	5.4		
SHEEP	DIG PROT	% *	1.6	5.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.79	2.52		
SHEEP	DE	MCAL/KG *	0.80	2.54		
CATTLE	ME	MCAL/KG *	0.65	2.07		
SHEEP	ME	MCAL/KG *	0.66	2.09		
CATTLE	NE-M	MCAL/KG *	0.38	1.22		
CATTLE	NE-GAIN	MCAL/KG *	0.18	0.56		
CATTLE	NE-LACTATION	MCAL/KG *	0.39	1.25		
CATTLE	TDN	% *	18.0	57.1		
SHEEP	TDN	% *	18.2	57.7		

ZEA MAYS, CORN

ZEA MAYS, AERIAL PART, FRESH, MIDBLOOM, (2)

REF NO 2-13-763

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		89.3		
ASH		%		10.7		1
CRUDE FIBER		%		23.5		1
ETHER EXTRACT		%		0.9		1
NITROGEN FREE EXTRACT		%		55.1		1
PROTEIN		%		9.8		1
CATTLE	DIG PROT	% *		6.2		
GOATS	DIG PROT	% *		5.7		
HORSES	DIG PROT	% *		5.9		
RABBITS	DIG PROT	% *		6.2		
SHEEP	DIG PROT	% *		6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.79		
SHEEP	DE	MCAL/KG *		2.75		
CATTLE	ME	MCAL/KG *		2.28		
SHEEP	ME	MCAL/KG *		2.26		
CATTLE	NE-M	MCAL/KG *		1.36		
CATTLE	NE-GAIN	MCAL/KG *		0.77		
CATTLE	NE-LACTATION	MCAL/KG *		1.46		
CATTLE	TDN	% *		63.2		
SHEEP	TDN	% *		62.4		

ZEA MAYS, AERIAL PART, FRESH, MILK STAGE, (2)

REF NO 2-02-802

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	24.8	100.0		2
ORGANIC MATTER		%	21.8	87.9		2
ASH		%	3.0	12.1		2
CRUDE FIBER		%	6.6	26.6		2
ETHER EXTRACT		%	0.4	1.7		2
NITROGEN FREE EXTRACT		%	12.8	51.9		2
PROTEIN		%	1.9	7.8		2
CATTLE	DIG PROT	% *	1.1	4.5		
GOATS	DIG PROT	% *	0.9	3.8		
HORSES	DIG PROT	% *	1.0	4.1		
RABBITS	DIG PROT	% *	1.2	4.7		
SHEEP	DIG PROT	% *	1.0	4.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.65	2.61		
SHEEP	DE	MCAL/KG *	0.65	2.61		
CATTLE	ME	MCAL/KG *	0.53	2.14		
SHEEP	ME	MCAL/KG *	0.53	2.14		
CATTLE	NE-M	MCAL/KG *	0.31	1.26		
CATTLE	NE-GAIN	MCAL/KG *	0.16	0.63		
CATTLE	NE-LACTATION	MCAL/KG *	0.33	1.32		
CATTLE	TDN	% *	14.6	59.1		
SHEEP	TDN	% *	14.7	59.2		
CALCIUM		%	0.07	0.27		2
PHOSPHORUS		%	0.03	0.12		2

ZEA MAYS, AERIAL PART, FRESH, DOUGH STAGE, (2)

REF NO 2-02-803

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		91.9		
ASH		%		8.1	12	9
CRUDE FIBER		%		29.2	10	9
ETHER EXTRACT		%		1.6	39	9
NITROGEN FREE EXTRACT		%		52.4	6	9
PROTEIN		%		8.8	2	9
CATTLE	DIG PROT	% *		5.4		
GOATS	DIG PROT	% *		4.7		
HORSES	DIG PROT	% *		5.0		
RABBITS	DIG PROT	% *		5.4		
SHEEP	DIG PROT	% *		5.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.61		
SHEEP	DE	MCAL/KG *		2.66		
CATTLE	ME	MCAL/KG *		2.14		
SHEEP	ME	MCAL/KG *		2.18		
CATTLE	NE-M	MCAL/KG *		1.26		
CATTLE	NE-GAIN	MCAL/KG *		0.63		
CATTLE	NE-LACTATION	MCAL/KG *		1.32		
CATTLE	TDN	% *		59.1		
SHEEP	TDN	% *		60.2		

ZEA MAYS, AERIAL PART, FRESH, MATURE, (2)

REF NO 2-02-804

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		92.2		
ASH		%		7.8	23	27
CRUDE FIBER		%		19.8	20	27
ETHER EXTRACT		%		1.7	66	27
NITROGEN FREE EXTRACT		%		65.5	6	27
PROTEIN		%		5.2	35	27
CATTLE	DIG PROT	% *		2.3		
GOATS	DIG PROT	% *		1.4		
HORSES	DIG PROT	% *		2.0		
RABBITS	DIG PROT	% *		2.7		
SHEEP	DIG PROT	% *		1.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.28		
SHEEP	DE	MCAL/KG *		3.03		
CATTLE	ME	MCAL/KG *		2.69		
SHEEP	ME	MCAL/KG *		2.49		
CATTLE	NE-M	MCAL/KG *		1.67		
CATTLE	NE-GAIN	MCAL/KG *		1.10		
CATTLE	NE-LACTATION	MCAL/KG *		1.84		
CATTLE	TDN	% *		74.3		
SHEEP	TDN	% *		68.8		
CALCIUM		%		0.21		1
PHOSPHORUS		%		0.52		1

ZEA MAYS, AERIAL PART, FRESH CHOPPED, (2)

REF NO 2-10-357

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	22.3	100.0	10	6
ORGANIC MATTER		%	20.5	92.1		
ASH		%	1.8	7.9	29	11
CRUDE FIBER		%	6.6	29.6	6	11
ETHER EXTRACT		%	0.4	2.0	52	11
NITROGEN FREE EXTRACT		%	11.9	53.5	30	11
PROTEIN		%	1.6	7.0	16	21
CATTLE	DIG PROT	% *	0.9	3.9		
GOATS	DIG PROT	% *	0.7	3.1		
HORSES	DIG PROT	% *	0.8	3.5		
RABBITS	DIG PROT	% *	0.9	4.1		
SHEEP	DIG PROT	% *	0.8	3.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	0.57	2.57		
SHEEP	DE	MCAL/KG *	0.59	2.64		
CATTLE	ME	MCAL/KG *	0.47	2.11		
SHEEP	ME	MCAL/KG *	0.48	2.17		
CATTLE	NE-M	MCAL/KG *	0.28	1.25		
CATTLE	NE-GAIN	MCAL/KG *	0.13	0.60		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.30		
CATTLE	TDN % *	13.0	58.4		
SHEEP	TDN % *	13.4	60.0		
CALCIUM	%	0.04	0.19		3
COPPER	MG/KG	6.2	27.9		1
IRON	%	0.003	0.015		1
MAGNESIUM	%	0.06	0.25		1
MANGANESE	MG/KG	11.1	49.8		1
PHOSPHORUS	%	0.03	0.13		2

ZEA MAYS, AERIAL PART NO EARS NO HUSKS, FRESH, (2)

REF NO 2-02-809

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.0	100.0	15	35
ORGANIC MATTER	%	15.2	89.2	28	38
ASH	%	2.0	12.1	28	67
CRUDE FIBER	%	5.8	33.9	16	67
ETHER EXTRACT	%	0.4	2.5	44	67
NITROGEN FREE EXTRACT	%	7.9	46.4	10	67
PROTEIN	%	0.9	5.0	30	67
CATTLE DIG PROT	% *	0.4	2.1		
GOATS DIG PROT	% *	0.2	1.2		
HORSES DIG PROT	% *	0.3	1.8		
RABBITS DIG PROT	% *	0.4	2.5		
SHEEP DIG PROT	% *	0.3	1.7		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.37	2.17		
SHEEP DE	MCAL/KG *	0.41	2.43		
CATTLE ME	MCAL/KG *	0.30	1.78		
SHEEP ME	MCAL/KG *	0.34	1.99		
CATTLE NE-M	MCAL/KG *	0.18	1.05		
CATTLE NE-GAIN	MCAL/KG *	0.04	0.24		
CATTLE NE-LACTATION	MCAL/KG *	0.17	0.98		
CATTLE TDN	% *	8.3	49.1		
SHEEP TDN	% *	9.4	55.0		

ZEA MAYS, HUSKS, FRESH, (2)

REF NO 2-02-811

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	17.7	100.0		1
ORGANIC MATTER	%	15.8	89.1		
ASH	%	1.9	10.9		1
CRUDE FIBER	%	6.0	33.7		1
ETHER EXTRACT	%	0.4	2.5		1
NITROGEN FREE EXTRACT	%	8.1	45.7		1
PROTEIN	%	1.3	7.2		1
CATTLE DIG PROT	% *	0.7	4.0		
GOATS DIG PROT	% *	0.6	3.3		
HORSES DIG PROT	% *	0.6	3.6		
RABBITS DIG PROT	% *	0.7	4.2		
SHEEP DIG PROT	% *	0.7	3.7		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.40	2.27		
SHEEP DE	MCAL/KG *	0.44	2.49		
CATTLE ME	MCAL/KG *	0.33	1.86		
SHEEP ME	MCAL/KG *	0.36	2.04		
CATTLE NE-M	MCAL/KG *	0.19	1.10		
CATTLE NE-GAIN	MCAL/KG *	0.06	0.34		
CATTLE NE-LACTATION	MCAL/KG *	0.19	1.06		
CATTLE TDN	% *	9.1	51.5		
SHEEP TDN	% *	10.0	56.5		

ZEA MAYS, LEAVES, FRESH, (2)

REF NO 2-02-812

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	20.1	100.0		1
ORGANIC MATTER	%	24.7	87.8	10	1
ASH	%	3.8	13.6	10	16
CRUDE FIBER	%	7.0	25.0	8	16
ETHER EXTRACT	%	0.5	1.8	42	16
NITROGEN FREE EXTRACT	%	14.4	51.1	6	16
PROTEIN	%	2.4	8.5	27	16
CATTLE DIG PROT	% *	1.4	5.2		
GOATS DIG PROT	% *	1.3	4.5		
HORSES DIG PROT	% *	1.3	4.8		
RABBITS DIG PROT	% *	1.5	5.3		
SHEEP DIG PROT	% *	1.4	5.0		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.74	2.63		
SHEEP DE	MCAL/KG *	0.74	2.62		
CATTLE ME	MCAL/KG *	0.61	2.16		
SHEEP ME	MCAL/KG *	0.60	2.15		
CATTLE NE-M	MCAL/KG *	0.36	1.28		
CATTLE NE-GAIN	MCAL/KG *	0.15	0.64		
CATTLE NE-LACTATION	MCAL/KG *	0.38	1.34		
CATTLE TDN	% *	16.7	59.6		
SHEEP TDN	% *	16.7	59.5		
CALCIUM	%	0.08	0.28		1
PHOSPHORUS	%	0.06	0.20		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ZEA MAYS, LEAVES, FRESH, EARLY VEGETATIVE, (2)					
REF NO 2-13-327					
DRY MATTER	%	25.3	100.0		1
ORGANIC MATTER	%	22.2	87.9		1
ASH	%	3.1	12.1		1
CRUDE FIBER	%	7.1	28.1		1
ETHER EXTRACT	%	1.0	4.1		1
NITROGEN FREE EXTRACT	%	10.9	43.0		1
PROTEIN	%	3.2	12.6		1
CATTLE DIG PROT	% *	2.2	8.6		
GOATS DIG PROT	% *	2.1	8.4		
HORSES DIG PROT	% *	2.1	8.3		
RABBITS DIG PROT	% *	2.1	8.4		
SHEEP DIG PROT	% *	2.2	8.8		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *	0.70	2.75		
SHEEP DE	MCAL/KG *	0.68	2.68		
CATTLE ME	MCAL/KG *	0.57	2.26		
SHEEP ME	MCAL/KG *	0.56	2.19		
CATTLE NE-M	MCAL/KG *	0.34	1.34		
CATTLE NE-GAIN	MCAL/KG *	0.19	0.76		
CATTLE NE-LACTATION	MCAL/KG *	0.36	1.43		
CATTLE TDN	% *	15.8	62.4		
SHEEP TDN	% *	15.4	60.7		
CALCIUM	%	0.02	0.07		1
IRON	%	0.001	0.005		1
PHOSPHORUS	%	0.05	0.21		1
VITAMIN A EQUIV	IU/G	8.6	33.8		

ZEA MAYS, LEAVES, FRESH, DOUGH STAGE, (2)

REF NO 2-13-516

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.0		
ASH	%		12.1		2
CRUDE FIBER	%		28.4		2
ETHER EXTRACT	%		1.2		2
NITROGEN FREE EXTRACT	%		47.0		2
PROTEIN	%		11.4		2
CATTLE DIG PROT	% *		7.6		
GOATS DIG PROT	% *		7.2		
HORSES DIG PROT	% *		7.2		
RABBITS DIG PROT	% *		7.5		
SHEEP DIG PROT	% *		7.6		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *		2.64		
SHEEP DE	MCAL/KG *		2.57		
CATTLE ME	MCAL/KG *		2.17		
SHEEP ME	MCAL/KG *		2.10		
CATTLE NE-M	MCAL/KG *		1.28		
CATTLE NE-GAIN	MCAL/KG *		0.66		
CATTLE NE-LACTATION	MCAL/KG *		1.35		
CATTLE TDN	% *		60.0		
SHEEP TDN	% *		58.2		

ZEA MAYS, LEAVES, FRESH, MATURE, (2)

REF NO 2-13-509

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		83.6		
ASH	%		16.4	8	7
CRUDE FIBER	%		27.8	4	7
ETHER EXTRACT	%		0.9	18	7
NITROGEN FREE EXTRACT	%		48.6	5	7
PROTEIN	%		6.3	26	7
CATTLE DIG PROT	% *		3.2		
GOATS DIG PROT	% *		2.4		
HORSES DIG PROT	% *		2.9		
RABBITS DIG PROT	% *		3.5		
SHEEP DIG PROT	% *		2.9		
ENERGY	GE KCAL/KG				
CATTLE DE	MCAL/KG *		2.62		
SHEEP DE	MCAL/KG *		2.39		
CATTLE ME	MCAL/KG *		2.15		
SHEEP ME	MCAL/KG *		1.96		
CATTLE NE-M	MCAL/KG *		1.27		
CATTLE NE-GAIN	MCAL/KG *		0.64		
CATTLE NE-LACTATION	MCAL/KG *		1.33		
CATTLE TDN	% *		59.4		
SHEEP TDN	% *		54.3		

ZEA MAYS, STALKS, FRESH, (2)

REF NO 2-02-814

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	18.2	100.0	8	5
ORGANIC MATTER	%	17.3	94.9		
ASH	%	0.9	5.1	18	18
CRUDE FIBER	%	6.2	33.9	5	18
ETHER EXTRACT	%	0.3	1.7	29	18
NITROGEN FREE EXTRACT	%	10.2	56.0	3	18
PROTEIN	%	0.6	3.3	29	19

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	DIG PROT % *	0.1	0.7		
GOATS	DIG PROT % *	-0.1	-0.4		
HORSES	DIG PROT % *	0.1	0.3		
RABBITS	DIG PROT % *	0.2	1.2		
SHEEP	DIG PROT % *	0.0	0.1		
FATTY ACIDS	%				
ACETIC	%	1.138	6.250		1
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.41	2.23		
SHEEP	DE MCAL/KG *	0.46	2.54		
CATTLE	ME MCAL/KG *	0.33	1.83		
SHEEP	ME MCAL/KG *	0.38	2.08		
CATTLE	NE-M MCAL/KG *	0.20	1.08		
CATTLE	NE-GAIN MCAL/KG *	0.06	0.30		
CATTLE	NE-LACTATION MCAL/KG *	0.19	1.03		
CATTLE	TDN % *	9.2	50.6		
SHEEP	TDN % *	10.5	57.6		

ZEA MAYS, STALKS, FRESH, MIDBLOOM, (2)

REF NO 2-13-762

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.7		
ASH	%		5.3		1
CRUDE FIBER	%		34.6		1
ETHER EXTRACT	%		1.8		1
NITROGEN FREE EXTRACT	%		54.7		1
PROTEIN	%		3.6		1
CATTLE	DIG PROT % *		1.0		
GOATS	DIG PROT % *		-0.1		
HORSES	DIG PROT % *		0.6		
RABBITS	DIG PROT % *		1.4		
SHEEP	DIG PROT % *		0.3		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.20		
SHEEP	DE MCAL/KG *		2.52		
CATTLE	ME MCAL/KG *		1.80		
SHEEP	ME MCAL/KG *		2.07		
CATTLE	NE-M MCAL/KG *		1.06		
CATTLE	NE-GAIN MCAL/KG *		0.27		
CATTLE	NE-LACTATION MCAL/KG *		1.00		
CATTLE	TDN % *		49.8		
SHEEP	TDN % *		57.2		

ZEA MAYS, STALKS, FRESH, DOUGH STAGE, (2)

REF NO 2-13-508

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.8		
ASH	%		7.3		2
CRUDE FIBER	%		36.7		2
ETHER EXTRACT	%		0.7		2
NITROGEN FREE EXTRACT	%		49.5		2
PROTEIN	%		5.9		2
CATTLE	DIG PROT % *		2.9		
GOATS	DIG PROT % *		2.1		
HORSES	DIG PROT % *		2.5		
RABBITS	DIG PROT % *		3.2		
SHEEP	DIG PROT % *		2.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.42		
SHEEP	DE MCAL/KG *		2.39		
CATTLE	ME MCAL/KG *		1.99		
SHEEP	ME MCAL/KG *		1.96		
CATTLE	NE-M MCAL/KG *		1.17		
CATTLE	NE-GAIN MCAL/KG *		0.47		
CATTLE	NE-LACTATION MCAL/KG *		1.18		
CATTLE	TDN % *		54.9		
SHEEP	TDN % *		54.3		

ZEA MAYS, STALKS, FRESH, MATURE, (2)

REF NO 2-13-501

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.1		
ASH	%		5.9	27	7
CRUDE FIBER	%		35.2	7	7
ETHER EXTRACT	%		0.4	32	7
NITROGEN FREE EXTRACT	%		55.2	6	7
PROTEIN	%		3.3	6	7
CATTLE	DIG PROT % *		0.7		
GOATS	DIG PROT % *		-0.3		
HORSES	DIG PROT % *		0.3		
RABBITS	DIG PROT % *		1.2		
SHEEP	DIG PROT % *		0.1		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		2.40		
SHEEP	ME MCAL/KG *		1.97		
SHEEP	TDN % *		54.5		

ZEA MAYS, STUBBLE, FRESH, DOUGH STAGE, (2)

REF NO 2-13-512

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.2		
ASH	%		5.8		1
CRUDE FIBER	%		61.0		1
ETHER EXTRACT	%		1.0		1
NITROGEN FREE EXTRACT	%		27.2		1
PROTEIN	%		5.0		1
CATTLE	DIG PROT % *		2.1		
GOATS	DIG PROT % *		1.2		
HORSES	DIG PROT % *		1.8		
RABBITS	DIG PROT % *		2.5		
SHEEP	DIG PROT % *		1.7		

ZEA MAYS, TOP OF AERIAL PART, FRESH, (2)

REF NO 2-13-328

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	46.9	100.0		1
ORGANIC MATTER	%	41.7	88.8		1
ASH	%	5.2	11.2		1
CRUDE FIBER	%	17.0	36.2		1
ETHER EXTRACT	%	3.9	8.3		1
NITROGEN FREE EXTRACT	%	17.8	38.0		1
PROTEIN	%	2.9	6.3		1
CATTLE	DIG PROT % *	1.5	3.2		
GOATS	DIG PROT % *	1.1	2.4		
HORSES	DIG PROT % *	1.3	2.9		
RABBITS	DIG PROT % *	1.7	3.5		
SHEEP	DIG PROT % *	1.3	2.8		
CALCIUM	%	0.16	0.34		1
PHOSPHORUS	%	0.08	0.16		1

ZEA MAYS, AERIAL PART, CHOPPED ENSILED, (3)

REF NO 3-10-421

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.1		
ASH	%		6.9		2
CRUDE FIBER	%		34.6		2
ETHER EXTRACT	%		1.3		2
NITROGEN FREE EXTRACT	%		50.8		2
PROTEIN	%		6.4		2
CATTLE	DIG PROT % *		2.1		
GOATS	DIG PROT % *		2.1		
HORSES	DIG PROT % *		2.1		
SHEEP	DIG PROT % *		2.1		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.43		
SHEEP	DE MCAL/KG *		2.39		
CATTLE	ME MCAL/KG *		2.00		
SHEEP	ME MCAL/KG *		1.96		
CATTLE	NE-M MCAL/KG *		1.18		
CATTLE	NE-GAIN MCAL/KG *		0.48		
CATTLE	NE-LACTATION MCAL/KG *		1.18		
CATTLE	TDN % *		55.2		
SHEEP	TDN % *		54.2		

ZEA MAYS, AERIAL PART, CHOPPED ENSILED, MILK STAGE, (3)

REF NO 3-08-610

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	40.9	100.0		1
ORGANIC MATTER	%	39.8	97.3	82	2
ASH	%	2.3	5.7	82	4
CRUDE FIBER	%	11.1	27.2	12	4
SHEEP	DIG COEF %	47.	47.		1
ETHER EXTRACT	%	1.3	3.3	39	4
SHEEP	DIG COEF %	84.	84.		1
NITROGEN FREE EXTRACT	%	23.3	56.9	14	4
SHEEP	DIG COEF %	58.	58.		1
PROTEIN	%	2.9	7.0	21	4
SHEEP	DIG COEF %	43.	43.		1
CATTLE	DIG PROT % *	1.1	2.6		
GOATS	DIG PROT % *	1.1	2.6		
HORSES	DIG PROT % *	1.1	2.6		
SHEEP	DIG PROT %	1.2	3.0		
ENERGY	GE KCAL/KG	2177.	5323.		1
SHEEP	GE DIG COEF %	56.	56.		1
CATTLE	DE MCAL/KG *	1.13	2.76		
SHEEP	DE MCAL/KG	1.22	2.98		
CATTLE	ME MCAL/KG *	0.93	2.26		
SHEEP	ME MCAL/KG *	1.00	2.44		
CATTLE	NE-M MCAL/KG *	0.55	1.35		
CATTLE	NE-GAIN MCAL/KG *	0.31	0.75		
CATTLE	NE-LACTATION MCAL/KG *	0.59	1.44		
CATTLE	TDN % *	25.6	62.6		
SHEEP	TDN %	22.5	54.9		1
CALCIUM	%	0.14	0.35		3
PHOSPHORUS	%	0.05	0.12		3

ZEA MAYS, AERIAL PART, ENSILED, (3)
CORN FODDER SILAGE

REF NO 3-02-822

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO
DRY MATTER		%		27.5	100.0	37	98
DM IN VITRO (TILLY)	DIG COEF	%		27.	27.	14	4
ORGANIC MATTER		%		25.1	91.2	29	14
ASH		%		2.2	8.1	29	98
SHEEP	DIG COEF	%		32.	32.		
CRUDE FIBER		%		7.6	27.8	18	98
CATTLE	DIG COEF	%		68.	68.		2
SHEEP	DIG COEF	%		61.	61.	8	5
ETHER EXTRACT		%		0.9	3.3	50	98
CATTLE	DIG COEF	%		75.	75.		2
SHEEP	DIG COEF	%		77.	77.		2
NITROGEN FREE EXTRACT		%		14.4	52.4	14	98
CATTLE	DIG COEF	%		72.	72.		2
SHEEP	DIG COEF	%		74.	74.	5	5
PROTEIN		%		2.3	8.5	28	98
CATTLE	DIG COEF	%		47.	47.		2
SHEEP	DIG COEF	%		54.	54.	10	5
CATTLE	DIG PHOT	%		1.1	4.0		
GOATS	DIG PROT	%	*	1.1	3.9		
HORSES	DIG PROT	%	*	1.1	3.9		
SHEEP	DIG PROT	%		1.3	4.6		
CELLULOSE (MATRONE)		%		20.3	73.7		1
FIBER, ACID DETERGENT (VS)		%		(11.4)	(41.7)	5	4
LIGNIN (ELLIS)		%		2.2	8.1		2
ENERGY	GE KCAL/KG						
CATTLE	DE MCAL/KG		*	0.80	2.90		
SHEEP	DE MCAL/KG		*	0.80	2.90		
CATTLE	ME MCAL/KG		*	0.65	2.38		
SHEEP	ME MCAL/KG		*	0.65	2.38		
CATTLE	NE-M MCAL/KG		*	0.39	1.43		
CATTLE	NE-GAIN MCAL/KG		*	0.23	0.85		
CATTLE	NE-LACTATION MCAL/KG		*	0.43	1.55		
CATTLE	TDN	%		18.1	65.8		2
SHEEP	TDN	%		18.1	65.8	5	5
CALCIUM		%		0.16	0.57	98	32
CHLORINE		%		0.32	1.16		1
COPPER		MG/KG		0.5	1.7	19	6
MAGNESIUM		%		0.04	0.14		3
MANGANESE		MG/KG		13.2	48.2	20	6
MOLYBDENUM		MG/KG		0.55	2.00	23	6
PHOSPHORUS		%		0.07	0.24	22	32
POTASSIUM		%		0.32	1.18		3
ZINC		MG/KG		(4.3)	(15.8)	24	6
NIACIN		MG/KG		5.4	19.5		1
VITAMIN A EQUIV		IU/G		(15.8)	(57.6)		
VITAMIN D2		IU/KG		(55.)	(199.)		1
PH		PH UNITS		4.60	4.60	9	10

ZEA MAYS, AERIAL PART, ENSILED, MILK STAGE, (3)
CORN FODDER SILAGE, MILK STAGE

REF NO 3-02-818

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO
DRY MATTER		%		23.4	100.0	12	16
ORGANIC MATTER		%		21.5	91.8	43	1
ASH		%		1.8	7.0	43	6
CRUDE FIBER		%		7.2	30.9	14	6
CATTLE	DIG COEF	%		73.	73.		2
ETHER EXTRACT		%		0.6	2.5	43	6
CATTLE	DIG COEF	%		78.	78.		2
NITROGEN FREE EXTRACT		%		12.5	53.4	6	6
CATTLE	DIG COEF	%		74.	74.		2
PROTEIN		%		1.5	6.2	55	16
CATTLE	DIG COEF	%		49.	49.	12	9
CATTLE	DIG PROT	%		0.7	3.0		
GOATS	DIG PROT	%	*	0.4	1.9		
HORSES	DIG PROT	%	*	0.4	1.9		
SHEEP	DIG PROT	%	*	0.4	1.9		
CELLULOSE (MATRONE)		%		12.8	54.6	74	14
ENERGY	GE KCAL/KG			1043.	4458.		3
CATTLE	GE DIG COEF	%		62.	62.		3
CATTLE	DE MCAL/KG			0.64	2.75		
SHEEP	DE MCAL/KG		*	0.63	2.68		
CATTLE	ME MCAL/KG		*	0.53	2.25		
SHEEP	ME MCAL/KG		*	0.51	2.20		
CATTLE	NE-M MCAL/KG		*	0.31	1.34		
CATTLE	NE-GAIN MCAL/KG		*	0.17	0.74		
CATTLE	NE-LACTATION MCAL/KG		*	0.33	1.43		
CATTLE	TDN	%		16.1	69.0		1
SHEEP	TDN	%	*	(14.2)	(60.9)		
CALCIUM		%		(0.07)	(0.28)		1
MAGNESIUM		%		(0.10)	(0.41)		1
PHOSPHORUS		%		(0.06)	(0.24)		1
POTASSIUM		%		(0.37)	(1.57)		1
SODIUM		%		0.00	0.01		1
GLYCINE		%		0.70	3.00		1

ZEA MAYS, AERIAL PART, ENSILED, DOUGH STAGE, (3)
CORN FODDER SILAGE, DOUGH STAGE

REF NO 3-02-819

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO
DRY MATTER		%		25.5	100.0	19	67
ORGANIC MATTER		%		24.2	94.8		
ASH		%		1.3	5.2	68	23
CRUDE FIBER		%		7.4	28.9	53	30
CATTLE	DIG COEF	%		62.	62.	6	14
ETHER EXTRACT		%		0.8	3.2	52	23
CATTLE	DIG COEF	%		79.	79.	6	12
NITROGEN FREE EXTRACT		%		13.5	52.8	7	22
CATTLE	DIG COEF	%		73.	73.	5	14
PROTEIN		%		2.6	10.0	98	82
CATTLE	DIG COEF	%		51.	51.	9	19
CATTLE	DIG PHOT	%		1.3	5.0		
GOATS	DIG PROT	%	*	1.4	5.3		
HORSES	DIG PROT	%	*	1.4	5.3		
SHEEP	DIG PROT	%	*	1.4	5.3		
CELLULOSE (MATRONE)		%		15.3	59.8	53	50
ENERGY	GE KCAL/KG			1124.	4399.	1	6
CATTLE	GE DIG COEF	%		61.	61.	2	5
CATTLE	DE MCAL/KG			0.69	2.68		
SHEEP	DE MCAL/KG		*	0.74	2.91		
CATTLE	ME MCAL/KG		*	0.56	2.20		
SHEEP	ME MCAL/KG		*	0.61	2.38		
CATTLE	NE-M MCAL/KG		*	0.33	1.31		
CATTLE	NE-GAIN MCAL/KG		*	0.18	0.69		
CATTLE	NE-LACTATION MCAL/KG		*	0.35	1.38		
CATTLE	TDN	%		17.1	67.0	3	14
SHEEP	TDN	%	*	(16.8)	(65.9)		
BORON		MG/KG		(2.470)	(9.667)		3
CALCIUM		%		(0.27)	(1.06)	71	11
COPPER		MG/KG		(3.4)	(13.3)		3
IRON		%		(164.452)	(643.667)		3
MAGNESIUM		%		(0.07)	(0.28)		3
MANGANESE		MG/KG		(8.8)	(34.3)		3
PHOSPHORUS		%		0.44	1.71	98	11
POTASSIUM		%		(1.03)	(4.02)	51	10
SILICON		%		(1.28)	(5.00)		3
SODIUM		%		(18.48)	(72.33)		3
ZINC		MG/KG		5.4	21.0		3
VITAMIN A EQUIV		IU/G		36.2	141.8		

ZEA MAYS, AERIAL PART, ENSILED, MATURE, (3)
CORN FODDER SILAGE, MATURE

REF NO 3-02-820

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO
DRY MATTER		%		34.5	100.0	3	7
ORGANIC MATTER		%		32.7	95.0		1
ASH		%		1.7	5.0		1
SHEEP	DIG COEF	%		36.	36.		
PROTEIN		%		1.9	5.5	17	7
SHEEP	DIG COEF	%		44.	44.		1
CATTLE	DIG PROT	%	*	0.4	1.2		
GOATS	DIG PROT	%	*	0.4	1.2		
HORSES	DIG PROT	%	*	0.4	1.2		
SHEEP	DIG PROT	%		0.8	2.4		
CELL WALLS (VAN SOEST)		%		22.8	66.2		1
FIBER, ACID DETERGENT (VS)		%		11.9	34.5		1
LIGNIN (VAN SOEST)		%		1.3	3.9		1
ENERGY	GE KCAL/KG			1601.	4644.		1
SHEEP	GE DIG COEF	%		63.	63.		1
SHEEP	DE MCAL/KG			1.01	2.93		1
SHEEP	ME MCAL/KG		*	0.83	2.40		
SHEEP	TDN	%	*	0.0	0.1		

ZEA MAYS, AERIAL PART, ENSILED, POST RIPE, (3)

REF NO 3-02-821

NAME OR NUTRIENT		UNIT		AS FED	DRY	CV	NO
DRY MATTER		%		26.5	100.0		2
ORGANIC MATTER		%		24.2	91.3		
ASH		%		2.3	8.7		2
CRUDE FIBER		%		8.2	31.0		2
ETHER EXTRACT		%		0.5	1.9		2
NITROGEN FREE EXTRACT		%		13.8	52.2		2
PROTEIN		%		1.7	6.3		2
CATTLE	DIG PROT	%	*	0.5	2.0		
GOATS	DIG PROT	%	*	0.5	2.0		
HORSES	DIG PROT	%	*	0.5	2.0		
SHEEP	DIG PROT	%	*	0.5	2.0		
ENERGY	GE KCAL/KG						
CATTLE	DE MCAL/KG		*	0.67	2.53		
SHEEP	DE MCAL/KG		*	0.67	2.52		
CATTLE	ME MCAL/KG		*	0.55	2.07		
SHEEP	ME MCAL/KG		*	0.55	2.07		
CATTLE	NE-M MCAL/KG		*	0.32	1.22		
CATTLE	NE-GAIN MCAL/KG		*	0.15	0.57		
CATTLE	NE-LACTATION MCAL/KG		*	0.33	1.26		
CATTLE	TDN	%	*	15.2	57.4		
SHEEP	TDN	%	*	15.1	57.2		
CALCIUM		%		0.18	0.67		1
PHOSPHORUS		%		0.03	0.13		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
VITAMIN A EQUIV	IU/G	7.2	27.0		

ZEA MAYS, AERIAL PART, ENSILED TRENCH SILO, (3)

REF NO 3-02-824

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		93.6		
ASH	%		6.4		1
CRUDE FIBER	%		30.5		1
ETHER EXTRACT	%		6.3		1
NITROGEN FREE EXTRACT	%		49.6		1
PROTEIN	%		7.3		1
CATTLE DIG PROT	% *		2.9		
GOATS DIG PROT	% *		2.9		
HORSES DIG PROT	% *		2.9		
SHEEP DIG PROT	% *		2.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		2.52		
SHEEP DE	MCAL/KG *		2.75		
CATTLE ME	MCAL/KG *		2.06		
SHEEP ME	MCAL/KG *		2.26		
CATTLE NE-M	MCAL/KG *		1.22		
CATTLE NE-GAIN	MCAL/KG *		0.55		
CATTLE NE-LACTATION	MCAL/KG *		1.25		
CATTLE TDN	% *		57.1		
SHEEP TDN	% *		62.5		

ZEA MAYS, AERIAL PART NO EARS, ENSILED, (3)

REF NO 3-13-323

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	22.1	100.0	14	5
ORGANIC MATTER	%	20.0	90.6		
ASH	%	2.1	9.4	29	14
CRUDE FIBER	%	6.1	27.6	11	14
ETHER EXTRACT	%	0.8	3.7	37	14
NITROGEN FREE EXTRACT	%	11.4	51.5	7	14
PROTEIN	%	1.7	7.6	30	14
CATTLE DIG PROT	% *	0.7	3.2		
GOATS DIG PROT	% *	0.7	3.2		
HORSES DIG PROT	% *	0.7	3.2		
SHEEP DIG PROT	% *	0.7	3.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.58	2.60		
SHEEP DE	MCAL/KG *	0.61	2.76		
CATTLE ME	MCAL/KG *	0.47	2.14		
SHEEP ME	MCAL/KG *	0.50	2.27		
CATTLE NE-M	MCAL/KG *	0.28	1.26		
CATTLE NE-GAIN	MCAL/KG *	0.14	0.63		
CATTLE NE-LACTATION	MCAL/KG *	0.29	1.32		
CATTLE TDN	% *	13.1	59.1		
SHEEP TDN	% *	13.9	62.7		

ZEA MAYS, AERIAL PART NO EARS NO HUSKS, ENSILED, (3)
CORN STOVER SILAGE

REF NO 3-02-836

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	27.2	100.0		2
ORGANIC MATTER	%	(23.3)	(85.8)		
ASH	%	(3.8)	(14.2)		2
CRUDE FIBER	%	(9.9)	(36.5)		2
ETHER EXTRACT	%	(0.4)	(1.4)		2
NITROGEN FREE EXTRACT	%	(11.4)	(42.0)		2
PROTEIN	%	(1.6)	(6.0)		2
CATTLE DIG PROT	% *	(0.4)	(1.7)		
GOATS DIG PROT	% *	(0.4)	(1.7)		
HORSES DIG PROT	% *	(0.4)	(1.7)		
SHEEP DIG PROT	% *	(0.4)	(1.7)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(0.62)	(2.28)		
CATTLE ME	MCAL/KG *	(0.51)	(1.87)		
CATTLE NE-M	MCAL/KG *	(0.30)	(1.10)		
CATTLE NE-GAIN	MCAL/KG *	(0.09)	(0.34)		
CATTLE NE-LACTATION	MCAL/KG *	(0.29)	(1.06)		
CATTLE TDN	% *	14.0	51.6		

ZEA MAYS, AERIAL PART W 0.5% UREA ADDED, ENSILED, MATURE, (3)

REF NO 3-13-301

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	35.4	100.0	4	5
PROTEIN	%	2.8	8.0	4	5
CATTLE DIG PROT	% *	1.3	3.5		
GOATS DIG PROT	% *	1.3	3.5		
HORSES DIG PROT	% *	1.3	3.5		
SHEEP DIG PROT	% *	1.3	3.5		

ZEA MAYS, EARS W HUSKS, ENSILED, (3)

REF NO 3-02-839

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		98.2		
ASH	%		1.8		1
CRUDE FIBER	%		9.7		1
ETHER EXTRACT	%		3.5		1
NITROGEN FREE EXTRACT	%		75.2		1
PROTEIN	%		9.8		1
CATTLE DIG PROT	% *		5.1		
GOATS DIG PROT	% *		5.1		
HORSES DIG PROT	% *		5.1		
SHEEP DIG PROT	% *		5.1		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		3.47		
SHEEP DE	MCAL/KG *		3.68		
CATTLE ME	MCAL/KG *		2.85		
SHEEP ME	MCAL/KG *		3.02		
CATTLE NE-M	MCAL/KG *		1.82		
CATTLE NE-GAIN	MCAL/KG *		1.21		
CATTLE NE-LACTATION	MCAL/KG *		2.00		
CATTLE TDN	% *		78.8		
SHEEP TDN	% *		83.5		

ZEA MAYS, TASSELS, ENSILED, (3)

REF NO 3-13-331

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.8	100.0		1
ORGANIC MATTER	%	83.6	95.2		1
ASH	%	4.2	4.8		1
CRUDE FIBER	%	20.5	23.3		1
ETHER EXTRACT	%	3.0	3.4		1
NITROGEN FREE EXTRACT	%	51.0	58.1		1
PROTEIN	%	9.1	10.4		1
CATTLE DIG PROT	% *	5.0	5.6		
GOATS DIG PROT	% *	5.0	5.6		
HORSES DIG PROT	% *	5.0	5.6		
SHEEP DIG PROT	% *	5.0	5.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	2.55	2.90		
SHEEP DE	MCAL/KG *	2.73	3.10		
CATTLE ME	MCAL/KG *	2.09	2.38		
SHEEP ME	MCAL/KG *	2.23	2.55		
CATTLE NE-M	MCAL/KG *	1.26	1.43		
CATTLE NE-GAIN	MCAL/KG *	0.75	0.85		
CATTLE NE-LACTATION	MCAL/KG *	1.36	1.55		
CATTLE TDN	% *	57.8	65.9		
SHEEP TDN	% *	61.8	70.4		

ZEA MAYS, BRAN, WET OR DRY MILLED DEHT, (4)
CORN BRAN (CFA)
CORN BRAN (AAFCO)

REF NO 4-02-841

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	66.4	100.0	55	5
ORGANIC MATTER	%	(65.2)	(98.2)	63	2
ASH	%	(1.2)	(1.8)	63	8
CRUDE FIBER	%	(7.7)	(11.6)	28	8
ETHER EXTRACT	%	(4.7)	(7.0)	48	9
NITROGEN FREE EXTRACT	%	(44.5)	(67.0)	9	6
PROTEIN	%	(8.3)	(12.5)	44	8
CATTLE DIG PROT	% *	(5.0)	(7.5)		
GOATS DIG PROT	% *	(5.6)	(8.7)		
HORSES DIG PROT	% *	(5.8)	(8.7)		
SHEEP DIG PROT	% *	(5.8)	(8.7)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(2.43)	(3.65)		
SHEEP DE	MCAL/KG *	(2.31)	(3.48)		
SWINE DE	KCAL/KG *	(2324.)	(3498.)		
CATTLE ME	MCAL/KG *	(1.99)	(2.99)		
SHEEP ME	MCAL/KG *	(1.90)	(2.85)		
SWINE ME	KCAL/KG *	(2172.)	(3269.)		
CATTLE NE-M	MCAL/KG *	(1.30)	(1.96)		
CATTLE NE-GAIN	MCAL/KG *	(0.87)	(1.30)		
CATTLE NE-LACTATION	MCAL/KG *	(1.42)	(2.14)		
CATTLE TDN	% *	(55.0)	(82.8)		
SHEEP TDN	% *	(52.4)	(78.9)		
SWINE TDN	% *	52.7	79.3		
CALCIUM	%	0.21	0.32		3
COPPER	MG/KG	71.8	108.0		1
IRON	%	0.008	0.011		2
MAGNESIUM	%	0.05	0.08		1
MANGANESE	MG/KG	7.3	11.0		1
PHOSPHORUS	%	0.10	0.15		3
POTASSIUM	%	0.13	0.19		1
SODIUM	%	0.10	0.15		1
NIACIN	MG/KG	8.3	12.5		1
RIBOFLAVIN	MG/KG	922.8	1388.9		1
THIAMINE	MG/KG	2768.3	4166.7		1

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ZEA MAYS, CEREAL BY-PRODUCT, (4)						
REF NO 4-13-458						
DRY MATTER		%	89.1	100.0		2
ORGANIC MATTER		%	84.9	95.3		
ASH		%	4.2	4.7		2
CRUDE FIBER		%	7.2	8.1		2
ETHER EXTRACT		%	3.3	3.7		2
NITROGEN FREE EXTRACT		%	64.0	71.9		2
PROTEIN		%	10.4	11.7		1
CATTLE	DIG PROT	% *	6.0	6.8		
GOATS	DIG PROT	% *	7.1	8.0		
HORSES	DIG PROT	% *	7.1	8.0		
SHEEP	DIG PROT	% *	7.1	8.0		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.74	3.07		
SHEEP	DE	MCAL/KG *	3.13	3.51		
SWINE	DE	XCAL/KG *	3130.	3512.		
CATTLE	ME	MCAL/KG *	2.25	2.52		
SHEEP	ME	MCAL/KG *	2.56	2.88		
SWINE	ME	KCAL/KG *	2930.	3289.		
CATTLE	NE-M	MCAL/KG *	1.37	1.54		
CATTLE	NE-GAIN	MCAL/KG *	0.86	0.97		
CATTLE	NE-LACTATION	MCAL/KG *	1.50	1.68		
CATTLE	TDN	% *	62.1	69.7		
SHEEP	TDN	% *	70.9	79.5		
SWINE	TDN	% *	71.0	79.7		
CALCIUM		%	0.29	0.33		1
COPPER		MG/KG	41.0	46.0		1
IRON		%	0.018	0.020		1
MAGNESIUM		%	1.54	1.73		1
MANGANESE		MG/KG	226.3	254.0		1
PHOSPHORUS		%	1.26	1.41		1
POTASSIUM		%	1.87	2.10		1
SODIUM		%	0.06	0.07		1
ZEA MAYS, CHAFF, (4)						
REF NO 4-09-589						
DRY MATTER		%	90.9	100.0	3	5
ORGANIC MATTER		%	84.1	92.5		
ASH		%	6.8	7.5	67	5
CRUDE FIBER		%	9.7	10.7	60	5
ETHER EXTRACT		%	2.8	3.1	21	5
NITROGEN FREE EXTRACT		%	62.7	69.0	11	4
PROTEIN		%	8.8	9.7	33	5
CATTLE	DIG PROT	% *	4.5	4.9		
GOATS	DIG PROT	% *	5.6	6.1		
HORSES	DIG PROT	% *	5.6	6.1		
SHEEP	DIG PROT	% *	5.6	6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.31	2.54		
SHEEP	DE	MCAL/KG *	3.03	3.33		
SWINE	DE	KCAL/KG *	2964.	3261.		
CATTLE	ME	MCAL/KG *	1.89	2.08		
SHEEP	ME	MCAL/KG *	2.48	2.73		
SWINE	ME	KCAL/KG *	2787.	3067.		
CATTLE	NE-M	MCAL/KG *	1.12	1.23		
CATTLE	NE-GAIN	MCAL/KG *	0.52	0.57		
CATTLE	NE-LACTATION	MCAL/KG *	1.15	1.27		
CATTLE	TDN	% *	52.3	57.6		
SHEEP	TDN	% *	68.6	75.5		
SWINE	TDN	% *	67.2	74.0		
ZEA MAYS, EARS, (4)						
REF NO 4-13-330						
DRY MATTER		%	87.4	100.0		1
ORGANIC MATTER		%	85.8	98.2		
ASH		%	1.6	1.8		1
CRUDE FIBER		%	10.2	11.7		1
ETHER EXTRACT		%	4.2	4.8		1
NITROGEN FREE EXTRACT		%	62.5	71.5		1
PROTEIN		%	8.9	10.1		2
CATTLE	DIG PROT	% *	4.7	5.3		
GOATS	DIG PROT	% *	5.7	6.5		
HORSES	DIG PROT	% *	5.7	6.5		
SHEEP	DIG PROT	% *	5.7	6.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.94	3.37		
SHEEP	DE	MCAL/KG *	3.06	3.50		
SWINE	DE	KCAL/KG *	3058.	3499.		
CATTLE	ME	MCAL/KG *	2.41	2.76		
SHEEP	ME	MCAL/KG *	2.51	2.87		
SWINE	ME	KCAL/KG *	2873.	3287.		
CATTLE	NE-M	MCAL/KG *	1.52	1.74		
CATTLE	NE-GAIN	MCAL/KG *	1.00	1.15		
CATTLE	NE-LACTATION	MCAL/KG *	1.67	1.91		
CATTLE	TDN	% *	66.8	76.4		
SHEEP	TDN	% *	69.4	79.4		
SWINE	TDN	% *	69.6	79.6		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
ZEA MAYS, EARS, FERTILIZED, (4)						
REF NO 4-13-326						
DRY MATTER		%		100.0		
PROTEIN		%		7.8	5	7
CATTLE	DIG PROT	% *		3.2		
GOATS	DIG PROT	% *		4.4		
HORSES	DIG PROT	% *		4.4		
SHEEP	DIG PROT	% *		4.4		
ZEA MAYS, EARS, FRESH, DOUGH STAGE, (4)						
REF NO 4-13-503						
DRY MATTER		%		100.0		
ORGANIC MATTER		%		97.0		
ASH		%		3.0		2
CRUDE FIBER		%		19.3		2
ETHER EXTRACT		%		1.2		2
NITROGEN FREE EXTRACT		%		67.5		2
PROTEIN		%		9.1		2
CATTLE	DIG PROT	% *		4.4		
GOATS	DIG PROT	% *		5.6		
HORSES	DIG PROT	% *		5.6		
SHEEP	DIG PROT	% *		5.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.01		
SHEEP	DE	MCAL/KG *		3.40		
SWINE	DE	KCAL/KG *		2988.		
CATTLE	ME	MCAL/KG *		2.47		
SHEEP	ME	MCAL/KG *		2.79		
SWINE	ME	KCAL/KG *		2814.		
CATTLE	NE-M	MCAL/KG *		1.49		
CATTLE	NE-GAIN	MCAL/KG *		0.92		
CATTLE	NE-LACTATION	MCAL/KG *		1.63		
CATTLE	TDN	% *		68.2		
SHEEP	TDN	% *		77.0		
SWINE	TDN	% *		67.8		
ZEA MAYS, EARS, GRND, (4) CORN AND COB MEAL (AAFCO) EAR CORN CHOP (AAFCO) GROUND EAR CORN (AAFCO)						
REF NO 4-02-849						
DRY MATTER		%	86.2	100.0	5	19
ORGANIC MATTER		%	85.3	99.0	68	1
ASH		%	1.9	2.2	68	11
SHEEP	DIG COEF	%	25.	25.		
CRUDE FIBER		%	7.9	9.2	17	14
SHEEP	DIG COEF	%	52.	52.		1
SWINE	DIG COEF	%	28.	28.		1
ETHER EXTRACT		%	3.4	3.9	44	14
SHEEP	DIG COEF	%	81.	81.		1
SWINE	DIG COEF	%	65.	65.		1
NITROGEN FREE EXTRACT		%	65.7	76.2	4	11
SHEEP	DIG COEF	%	81.	81.		1
SWINE	DIG COEF	%	86.	86.		1
PROTEIN		%	7.3	8.5	27	14
SHEEP	DIG COEF	%	55.	55.		1
SWINE	DIG COEF	%	72.	72.		1
CATTLE	DIG PROT	% *	3.3	3.8		
GOATS	DIG PROT	% *	4.3	5.0		
HORSES	DIG PROT	% *	4.3	5.0		
SHEEP	DIG PROT	%	4.0	4.6		
SWINE	DIG PROT	%	(5.2)	(6.1)		
SUGARS, TOTAL		%	1.0	1.2		1
FATTY ACIDS		%				
LINOLEIC		%	1.486	1.724		1
ENERGY	GE	KCAL/KG	1814.	2107.		1
CATTLE	DE	MCAL/KG *	2.83	3.28		
SHEEP	DE	MCAL/KG *	2.98	3.46		
SWINE	DE	KCAL/KG *	3040.	3526.		
CATTLE	ME	MCAL/KG *	2.32	2.69		
CHICKENS	ME-N	KCAL/KG	2810.	3259.		3
SHEEP	ME	MCAL/KG *	2.44	2.83		
SWINE	ME	KCAL/KG	2458.	2851.		1
CATTLE	NE-M	MCAL/KG *	1.45	1.68		
CATTLE	NE-GAIN	MCAL/KG *	0.95	1.10		
CATTLE	NE-LACTATION	MCAL/KG *	(1.59)	(1.85)		
CHICKENS	PRODUCTIVE	KCAL/KG	1944.	2255.		4
CATTLE	TDN	% *	64.2	74.5		
SHEEP	TDN	%	67.6	78.4		1
SWINE	TDN	%	69.0	80.0		2
CALCIUM		%	(0.04)	(0.10)	98	8
CHLORINE		%	(0.04)	(0.05)		1
COBALT		MG/KG	(0.133)	(0.154)		1
COPPER		MG/KG	3.0	3.5		1
IRON		%	(0.006)	(0.007)		2
MAGNESIUM		%	(0.13)	(0.15)		1
MANGANESE		MG/KG	4.3	5.2		2
PHOSPHORUS		%	(0.83)	(0.86)	79	8
CHICKENS, CHICKS AVAILABLE		%	(0.07)	(0.08)		8
POTASSIUM		%	(0.46)	(0.53)		3
SELENIUM		MG/KG	(0.074)	(0.088)		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SODIUM	%	(0.01)	(0.01)		1
ZINC	MG/KG	(8.9)	(10.3)		1
A-TOCOPHEROL	MG/KG	(19.8)	(23.0)		1
BIOTIN	MG/KG	(0.05)	(0.06)		1
CHOLINE	MG/KG	(398.)	(462.)	24	4
FOLIC ACID	MG/KG	(0.30)	(0.34)		1
NIACIN	MG/KG	(17.6)	(20.4)	9	4
PANTOTHENIC ACID	MG/KG	(4.4)	(5.1)	8	4
RIBOFLAVIN	MG/KG	(0.9)	(1.1)	13	4
VITAMIN B6	MG/KG	(4.95)	(5.75)		1
VITAMIN A	IU/G	(398.7)	(462.5)	98	4
ARGININE	%	(0.38)	(0.45)	16	4
CYSTINE	%	(0.14)	(0.16)	9	4
GLYCINE	%	(0.28)	(0.32)	41	4
HISTIDINE	%	(0.18)	(0.21)		1
ISOLEUCINE	%	(0.36)	(0.41)		1
LEUCINE	%	(0.99)	(1.15)		1
LYSINE	%	(0.18)	(0.21)	10	4
METHIONINE	%	(0.14)	(0.17)	6	4
PHENYLALANINE	%	(0.45)	(0.52)		1
THREONINE	%	(0.36)	(0.41)		1
TRYPTOPHAN	%	(0.07)	(0.08)	23	4
VALINE	%	(0.36)	(0.41)		1
XANTHOPHYLL	MG/KG	13.12	15.21		3

ZEA MAYS, EARS W HUSKS, DEHY, (4)

REF NO 4-13-530

DRY MATTER		%	88.4	100.0	2
ORGANIC MATTER		%	86.5	97.9	
ASH		%	1.9	2.1	2
CRUDE FIBER		%	14.0	15.8	2
ETHER EXTRACT		%	3.0	3.4	2
NITROGEN FREE EXTRACT		%	62.0	70.2	2
PROTEIN		%	7.5	8.5	2
CATTLE	DIG PROT	% *	3.4	3.9	
GOATS	DIG PROT	% *	4.5	5.1	
HORSES	DIG PROT	% *	4.5	5.1	
SHEEP	DIG PROT	% *	4.5	5.1	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.80	3.17	
SHEEP	DE	MCAL/KG *	3.02	3.42	
SWINE	DE	KCAL/KG *	2910.	3294.	
CATTLE	ME	MCAL/KG *	2.30	2.60	
SHEEP	ME	MCAL/KG *	2.48	2.80	
SWINE	ME	KCAL/KG *	2743.	3105.	
CATTLE	NE-M	MCAL/KG *	1.41	1.60	
CATTLE	NE-GAIN	MCAL/KG *	0.91	1.03	
CATTLE	NE-LACTATION	MCAL/KG *	1.56	1.76	
CATTLE	TDN	% *	63.6	71.9	
SHEEP	TDN	% *	68.5	77.5	
SWINE	TDN	% *	66.0	74.7	

ZEA MAYS, EARS W HUSKS, FRESH, MILK STAGE, (4)

REF NO 4-13-527

DRY MATTER		%		100.0	
ORGANIC MATTER		%		93.3	
ASH		%		6.7	1
CRUDE FIBER		%		19.9	1
ETHER EXTRACT		%		1.9	1
NITROGEN FREE EXTRACT		%		65.2	1
PROTEIN		%		6.3	1
CATTLE	DIG PROT	% *		1.8	
GOATS	DIG PROT	% *		3.0	
HORSES	DIG PROT	% *		3.0	
SHEEP	DIG PROT	% *		3.0	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.42	
SHEEP	DE	MCAL/KG *		3.20	
SWINE	DE	KCAL/KG *		2741.	
CATTLE	ME	MCAL/KG *		1.99	
SHEEP	ME	MCAL/KG *		2.62	
SWINE	ME	KCAL/KG *		2597.	
CATTLE	NE-M	MCAL/KG *		1.17	
CATTLE	NE-GAIN	MCAL/KG *		0.48	
CATTLE	NE-LACTATION	MCAL/KG *		1.18	
CATTLE	TDN	% *		55.0	
SHEEP	TDN	% *		72.5	
SWINE	TDN	% *		62.2	

ZEA MAYS, EARS W HUSKS, GRND, (4)
CORN AND COB MEAL WITH HUSKS (AAFCO)
EAR CORN CHOP WITH HUSKS (AAFCO)
GROUND EAR CORN WITH HUSKS (AAFCO)
GROUND SHAPED CORN

REF NO 4-02-850

DRY MATTER		%	87.7	100.0	7 8
ORGANIC MATTER		%	86.3	98.4	64 3
ASH		%	2.5	2.8	84 10
CRUDE FIBER		%	10.3	11.8	30 10
ETHER EXTRACT		%	3.5	4.0	41 10
NITROGEN FREE EXTRACT		%	63.2	72.0	4 10
PROTEIN		%	8.3	9.4	10 10
CATTLE	DIG PROT	% *	4.1	4.7	
GOATS	DIG PROT	% *	5.2	5.9	
HORSES	DIG PROT	% *	5.2	5.9	
SHEEP	DIG PROT	% *	5.2	5.9	
STARCH		%	36.8	41.9	1
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	2.78	3.17	
SHEEP	DE	MCAL/KG *	3.05	3.48	
SWINE	DE	KCAL/KG *	3037.	3462.	
CATTLE	ME	MCAL/KG *	2.28	2.60	
SHEEP	ME	MCAL/KG *	2.50	2.85	
SWINE	ME	KCAL/KG *	2856.	3257.	
CATTLE	NE-M	MCAL/KG *	1.41	1.60	
CATTLE	NE-GAIN	MCAL/KG *	0.90	1.03	
CATTLE	NE-LACTATION	MCAL/KG *	1.55	1.76	
CATTLE	TDN	% *	63.1	72.0	
SHEEP	TDN	% *	69.2	78.8	
SWINE	TDN	% *	68.9	78.5	
CALCIUM		%	0.03	0.03	2
PHOSPHORUS		%	0.15	0.18	2

ZEA MAYS, ELEVATOR CHAFF AND DUST, (4)

REF NO 4-09-754

DRY MATTER		%		100.0	
ORGANIC MATTER		%		90.4	
ASH		%		9.6	2
CRUDE FIBER		%		10.8	2
ETHER EXTRACT		%		4.6	2
NITROGEN FREE EXTRACT		%		63.6	2
PROTEIN		%		11.4	2
CATTLE	DIG PROT	% *		6.5	
GOATS	DIG PROT	% *		7.7	
HORSES	DIG PROT	% *		7.7	
SHEEP	DIG PROT	% *		7.7	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *		2.38	
SHEEP	DE	MCAL/KG *		3.17	
SWINE	DE	KCAL/KG *		3118.	
CATTLE	ME	MCAL/KG *		1.95	
SHEEP	ME	MCAL/KG *		2.60	
SWINE	ME	KCAL/KG *		2921.	
CATTLE	NE-M	MCAL/KG *		1.15	
CATTLE	NE-GAIN	MCAL/KG *		0.43	
CATTLE	NE-LACTATION	MCAL/KG *		1.14	
CATTLE	TDN	% *		53.9	
SHEEP	TDN	% *		71.8	
SWINE	TDN	% *		70.7	

ZEA MAYS, ENDOSPERM, (4)

REF NO 4-02-851

DRY MATTER		%	88.4	100.0	1
ORGANIC MATTER		%	87.4	98.9	
ASH		%	1.0	1.1	1
CRUDE FIBER		%	1.3	1.5	1
ETHER EXTRACT		%	1.2	1.4	1
NITROGEN FREE EXTRACT		%	75.1	84.9	1
PROTEIN		%	9.8	11.1	1
CATTLE	DIG PROT	% *	5.5	6.2	
GOATS	DIG PROT	% *	6.5	7.4	
HORSES	DIG PROT	% *	6.5	7.4	
SHEEP	DIG PROT	% *	6.5	7.4	
ENERGY	GE	KCAL/KG			
CATTLE	DE	MCAL/KG *	3.29	3.72	
SHEEP	DE	MCAL/KG *	3.44	3.90	
SWINE	DE	KCAL/KG *	3411.	3859.	
CATTLE	ME	MCAL/KG *	2.70	3.05	
SHEEP	ME	MCAL/KG *	2.82	3.19	
SWINE	ME	KCAL/KG *	3198.	3618.	
CATTLE	NE-M	MCAL/KG *	1.78	2.02	
CATTLE	NE-GAIN	MCAL/KG *	1.18	1.34	
CATTLE	NE-LACTATION	MCAL/KG *	1.94	2.19	
CATTLE	TDN	% *	74.6	84.4	
SHEEP	TDN	% *	78.1	88.4	
SWINE	TDN	% *	77.4	87.5	

ZEA MAYS, FLOUR, (4)
CORN FLOUR (AAFCO)

REF NO 4-08-024

DRY MATTER		%	86.7	100.0	1
ORGANIC MATTER		%	78.8	90.9	
ASH		%	7.9	9.1	1
CRUDE FIBER		%	2.2	2.5	1
ETHER EXTRACT		%	4.2	4.8	1
NITROGEN FREE EXTRACT		%	63.4	73.1	1
PROTEIN		%	9.0	10.4	1
CATTLE	DIG PROT	% *	4.8	5.5	
GOATS	DIG PROT	% *	5.9	6.7	
HORSES	DIG PROT	% *	5.9	6.7	

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
SHEEP	DIG PROT % *	5.9	6.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.35	2.71		
SHEEP	DE MCAL/KG *	3.06	3.52		
SWINE	DE KCAL/KG *	3061.	3530.		
CATTLE	ME MCAL/KG *	1.93	2.22		
SHEEP	ME MCAL/KG *	2.51	2.89		
SWINE	ME KCAL/KG *	2874.	3315.		
CATTLE	NE-M MCAL/KG *	1.14	1.32		
CATTLE	NE-GAIN MCAL/KG *	0.61	0.71		
CATTLE	NE-LACTATION MCAL/KG *	1.21	1.40		
CATTLE	TDN % *	53.3	61.5		
SHEEP	TDN % *	69.3	79.9		
SWINE	TDN % *	69.4	80.1		

ZEA MAYS, GRAIN, (4)

REF NO 4-02-879

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.1	100.0	4	98
ORGANIC MATTER	%	87.7	98.4	65	98
ASH	%	1.6	1.8	65	98
SHEEP	DIG COEF %	11.	11.		
CRUDE FIBER	%	2.2	2.5	36	98
SHEEP	DIG COEF %	14.	14.		1
ETHER EXTRACT	%	4.6	5.2	26	98
SHEEP	DIG COEF %	89.	89.		1
NITROGEN FREE EXTRACT	%	70.8	79.4	4	98
SHEEP	DIG COEF %	94.	94.		1
PROTEIN	%	9.9	11.1	16	98
SHEEP	DIG COEF %	62.	62.		1
CATTLE	DIG PROT % *	5.5	6.2		
GOATS	DIG PROT % *	6.6	7.4		
HORSES	DIG PROT % *	6.6	7.4		
SHEEP	DIG PROT %	6.1	6.9		
CELL CONTENTS (VAN SOEST)	%	8.0	8.9		1
SUGARS, TOTAL	%	73.4	82.4	2	8
ENERGY	GE KCAL/KG	4058.	4553.	3	4
CATTLE	DE MCAL/KG *	3.24	3.63		
SHEEP	DE MCAL/KG *	3.62	4.07		
SWINE	DE KCAL/KG *	3344.	3752.		
CATTLE	ME MCAL/KG *	2.65	2.98		
SHEEP	ME MCAL/KG *	2.97	3.33		
SWINE	ME KCAL/KG *	3136.	3518.		
CATTLE	NE-M MCAL/KG *	1.73	1.94		
CATTLE	NE-GAIN MCAL/KG *	1.15	1.29		
CATTLE	NE-LACTATION MCAL/KG *	1.89	2.12		
CATTLE	TDN % *	73.4	82.4		
SHEEP	TDN %	82.2	92.2		1
SWINE	TDN % *	75.8	85.1		
CALCIUM	%	0.07	0.08	98	98
COPPER	MG/KG	19.8	22.3	65	4
IRON	%	0.008	0.009	98	25
MAGNESIUM	%	0.23	0.26	98	5
MANGANESE	MG/KG	58.4	65.5	98	4
PHOSPHORUS	%	0.33	0.37	51	98
POTASSIUM	%	0.71	0.80	96	4
SODIUM	%	0.30	0.34		2
ZINC	MG/KG	30.7	34.5		2
ASCORBIC ACID	MG/KG	3.2	3.5		3
NIACIN	MG/KG	27.0	30.3	43	7
PANTOTHENIC ACID	MG/KG	28.2	31.6		1
RIBOFLAVIN	MG/KG				
THIAMINE	MG/KG				
VITAMIN A EQUIV	IU/G	3.9	4.3		
ALANINE	%	0.86	0.97	41	10
ARGININE	%	0.46	0.52	37	11
ASPARTIC ACID	%	0.79	0.88	37	7
CYSTINE	%	0.11	0.13	42	11
GLUTAMIC ACID	%	1.79	2.01	45	7
GLYCINE	%	0.38	0.42	27	9
HISTIDINE	%	0.46	0.51	98	12
ISOLEUCINE	%	0.34	0.38	43	12
LEUCINE	%	0.85	0.95	58	12
LYSINE	%	0.27	0.30	15	76
METHIONINE	%	0.14	0.15	36	16
PHENYLALANINE	%	0.44	0.50	23	12
PROLINE	%	0.69	0.78	42	8
SERINE	%	0.52	0.58	41	10
THREONINE	%	0.36	0.41	33	12
TRYPTOPHAN	%	0.16	0.18	87	13
TYROSINE	%	0.32	0.35	29	11
VALINE	%	0.52	0.58	25	12
XANTHOPHYLL	MG/KG	20.67	23.19		1

ZEA MAYS, GRAIN, COOKED DEHY GRND, (4)

REF NO 4-13-515

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.1	100.0		1
ORGANIC MATTER	%	87.6	98.3		
ASH	%	1.5	1.7		1
CRUDE FIBER	%	2.4	2.7		1
PROTEIN	%	9.2	10.3		1
CATTLE	DIG PROT % *	4.9	5.5		
GOATS	DIG PROT % *	6.0	6.7		
HORSES	DIG PROT % *	6.0	6.7		
SHEEP	DIG PROT % *	6.0	6.7		

ZEA MAYS, GRAIN, CRACKED, (4)

REF NO 4-10-420

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.2	100.0	4	4
ORGANIC MATTER	%	84.3	96.7		
ASH	%	2.9	3.3	91	5
CRUDE FIBER	%	2.6	3.0	48	5
ETHER EXTRACT	%	3.2	3.7	12	5
NITROGEN FREE EXTRACT	%	69.4	79.5	6	5
PROTEIN	%	9.1	10.5	9	5
CATTLE	DIG PROT % *	4.9	5.6		
GOATS	DIG PROT % *	6.0	6.8		
HORSES	DIG PROT % *	6.0	6.8		
SHEEP	DIG PROT % *	6.0	6.8		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	2.93	3.36		
SHEEP	DE MCAL/KG *	3.27	3.75		
SWINE	DE KCAL/KG *	3238.	3714.		
CATTLE	ME MCAL/KG *	2.40	2.76		
SHEEP	ME MCAL/KG *	2.68	3.07		
SWINE	ME KCAL/KG *	3040.	3487.		
CATTLE	NE-M MCAL/KG *	1.51	1.73		
CATTLE	NE-GAIN MCAL/KG *	1.00	1.14		
CATTLE	NE-LACTATION MCAL/KG *	1.67	1.91		
CATTLE	TDN % *	66.5	76.2		
SHEEP	TDN % *	74.1	84.9		
SWINE	TDN % *	73.5	84.2		
CALCIUM	%	0.17	0.20		1
MAGNESIUM	%	0.19	0.22		1
PHOSPHORUS	%	0.19	0.22		1
POTASSIUM	%	0.67	0.77		1
SODIUM	%	0.01	0.01		1

ZEA MAYS, GRAIN, CRACKED, MX 4% FOREIGN MATERIAL, (4)
CRACKED CORN (AAFCO)

REF NO 4-02-854

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	87.7	100.0		1
ORGANIC MATTER	%	86.6	98.7		
ASH	%	1.1	1.3		1
CRUDE FIBER	%	1.4	1.6		1
ETHER EXTRACT	%	3.2	3.6		1
NITROGEN FREE EXTRACT	%	73.1	83.4		1
PROTEIN	%	8.9	10.1		1
CATTLE	DIG PROT % *	4.7	5.3		
GOATS	DIG PROT % *	5.7	6.5		
HORSES	DIG PROT % *	5.7	6.5		
SHEEP	DIG PROT % *	5.7	6.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.19	3.64		
SHEEP	DE MCAL/KG *	3.39	3.87		
SWINE	DE KCAL/KG *	3319.	3785.		
CATTLE	ME MCAL/KG *	2.62	2.99		
SHEEP	ME MCAL/KG *	2.78	3.17		
SWINE	ME KCAL/KG *	3118.	3556.		
CATTLE	NE-M MCAL/KG *	1.71	1.95		
CATTLE	NE-GAIN MCAL/KG *	1.14	1.30		
CATTLE	NE-LACTATION MCAL/KG *	1.87	2.13		
CATTLE	TDN % *	72.4	82.6		
SHEEP	TDN % *	77.0	87.8		
SWINE	TDN % *	75.3	85.8		

ZEA MAYS, GRAIN, CRACKED WO FINES COARSE SCREENED, MX 4% FOREIGN MATERIAL, (4)
SCREENED CRACKED CORN (AAFCO)

REF NO 4-02-862

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		96.7		
ASH	%		3.3		3
CRUDE FIBER	%		5.6		3
ETHER EXTRACT	%		6.2		3
NITROGEN FREE EXTRACT	%		72.1		3
PROTEIN	%		12.8		3
CATTLE	DIG PROT % *		7.7		
GOATS	DIG PROT % *		8.9		
HORSES	DIG PROT % *		8.9		
SHEEP	DIG PROT % *		8.9		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.54		
SHEEP	DE MCAL/KG *		3.65		
SWINE	DE KCAL/KG *		3682.		
CATTLE	ME MCAL/KG *		2.90		
SHEEP	ME MCAL/KG *		2.99		
SWINE	ME KCAL/KG *		3440.		
CATTLE	NE-M MCAL/KG *		1.87		
CATTLE	NE-GAIN MCAL/KG *		1.24		
CATTLE	NE-LACTATION MCAL/KG *		2.05		
CATTLE	TDN % *		80.3		
SHEEP	TDN % *		82.7		

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
SWINE		TDN % *		83.5		
CALCIUM		%		0.09		1
PHOSPHORUS		%		0.80		1

ZEA MAYS, GRAIN, EXTN UNSPECIFIED GRND, (4)

REF NO 4-02-857

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.4	100.0		2
ORGANIC MATTER		%	84.9	96.0		
ASH		%	3.5	4.0		2
CRUDE FIBER		%	4.1	4.6		2
ETHER EXTRACT		%	0.6	0.7		2
NITROGEN FREE EXTRACT		%	65.8	74.5		2
PROTEIN		%	14.3	16.2		2
CATTLE	DIG PROT	% *	9.7	10.9		
GOATS	DIG PROT	% *	10.7	12.1		
HORSES	DIG PROT	% *	10.7	12.1		
SHEEP	DIG PROT	% *	10.7	12.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	2.79	3.16		
SHEEP	DE	MCAL/KG *	3.31	3.75		
SWINE	DE	KCAL/KG *	3160.	3576.		
CATTLE	ME	MCAL/KG *	2.29	2.59		
SHEEP	ME	MCAL/KG *	2.71	3.07		
SWINE	ME	KCAL/KG *	2930.	3316.		
CATTLE	NE-M	MCAL/KG *	1.41	1.59		
CATTLE	NE-GAIN	MCAL/KG *	0.90	1.02		
CATTLE	NE-LACTATION	MCAL/KG *	1.55	1.75		
CATTLE	TDN	% *	63.3	71.6		
SHEEP	TDN	% *	75.1	85.0		
SWINE	TDN	% *	71.7	81.1		

ZEA MAYS, GRAIN, FERTILIZED, (4)

REF NO 4-10-359

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.0	100.0	2	39
ORGANIC MATTER		%	84.6	98.4		
ASH		%	1.3	1.6	10	13
CRUDE FIBER		%	2.1	2.5	13	13
ETHER EXTRACT		%	1.7	2.0	36	13
NITROGEN FREE EXTRACT		%	72.1	83.9	1	13
PROTEIN		%	8.7	10.1	17	39
CATTLE	DIG PROT	% *	4.5	5.3		
GOATS	DIG PROT	% *	5.6	6.5		
HORSES	DIG PROT	% *	5.6	6.5		
SHEEP	DIG PROT	% *	5.6	6.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.10	3.60		
SHEEP	DE	MCAL/KG *	3.30	3.84		
SWINE	DE	KCAL/KG *	3293.	3831.		
CATTLE	ME	MCAL/KG *	2.54	2.96		
SHEEP	ME	MCAL/KG *	2.71	3.15		
SWINE	ME	KCAL/KG *	3095.	3600.		
CATTLE	NE-M	MCAL/KG *	1.65	1.92		
CATTLE	NE-GAIN	MCAL/KG *	1.10	1.28		
CATTLE	NE-LACTATION	MCAL/KG *	1.81	2.10		
CATTLE	TDN	% *	70.3	81.8		
SHEEP	TDN	% *	75.0	87.2		
SWINE	TDN	% *	74.7	86.9		
CALCIUM		%	0.02	0.02		7
COPPER		MG/KG	2.8	3.3	57	7
IRON		%	0.006	0.007	42	7
MAGNESIUM		%	0.10	0.11	25	7
MANGANESE		MG/KG	1.7	2.0	95	7
PHOSPHORUS		%	0.26	0.31	25	8
POTASSIUM		%	0.22	0.25	25	7
ZINC		MG/KG	17.2	20.0	58	7
ALANINE		%	0.68	0.79	16	7
ARGININE		%	0.39	0.45	17	7
ASPARTIC ACID		%	0.57	0.66	16	7
CYSTINE		%	0.17	0.20	12	4
GLUTAMIC ACID		%	1.97	2.29	18	7
GLYCINE		%	0.36	0.42	13	7
HISTIDINE		%	0.24	0.28	17	7
ISOLEUCINE		%	0.30	0.35	20	7
LEUCINE		%	0.98	1.14	18	7
LYSINE		%	0.23	0.27	15	10
METHIONINE		%	0.13	0.15	20	11
PHENYLALANINE		%	0.43	0.50	24	7
PROLINE		%	0.82	0.95	19	7
SERINE		%	0.61	0.71	17	7
THREONINE		%	0.32	0.38	18	7
TRYPTOPHAN		%	0.40	0.47	5	4
TYROSINE		%	0.35	0.41	18	7
VALINE		%	0.47	0.54	17	7

ZEA MAYS, GRAIN FINES, CRACKED COARSE SCREENED PASSED, (4)
CORN FEED MEAL (CFA)
CORN FEED MEAL (AAFCO)

REF NO 4-02-880

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.4	100.0		2
ORGANIC MATTER		%	92.4	99.0		1
ASH		%	2.0	2.2		3
CRUDE FIBER		%	4.5	4.8		3
ETHER EXTRACT		%	6.0	6.5		3
NITROGEN FREE EXTRACT		%	70.2	75.2		3
PROTEIN		%	10.6	11.3		3
CATTLE	DIG PROT	% *	6.0	6.4		
GOATS	DIG PROT	% *	7.1	7.6		
HORSES	DIG PROT	% *	7.1	7.6		
SHEEP	DIG PROT	% *	7.1	7.6		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.39	3.64		
SHEEP	DE	MCAL/KG *	3.49	3.73		
SWINE	DE	KCAL/KG *	3473.	3721.		
CATTLE	ME	MCAL/KG *	2.76	2.98		
SHEEP	ME	MCAL/KG *	2.86	3.06		
SWINE	ME	KCAL/KG *	3255.	3487.		
CATTLE	NE-M	MCAL/KG *	1.81	1.94		
CATTLE	NE-GAIN	MCAL/KG *	1.21	1.30		
CATTLE	NE-LACTATION	MCAL/KG *	1.98	2.12		
CATTLE	TDN	% *	77.0	82.5		
SHEEP	TDN	% *	79.1	84.7		
SWINE	TDN	% *	78.8	84.4		
CALCIUM		%	0.30	0.32		1
PHOSPHORUS		%	0.50	0.54		1
ARGININE		%	0.63	0.67		1
CYSTINE		%	0.24	0.26		1
HISTIDINE		%	0.30	0.32		1
ISOLEUCINE		%	0.44	0.47		1
LEUCINE		%	1.19	1.28		1
LYSINE		%	0.47	0.50		1
METHIONINE		%	0.21	0.22		1
PHENYLALANINE		%	0.49	0.52		1
THREONINE		%	0.44	0.47		1
TRYPTOPHAN		%	0.12	0.13		1
VALINE		%	0.62	0.66		1

ZEA MAYS, GRAIN, FRESH, MILK STAGE, (4)

REF NO 4-13-528

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	41.5	100.0		1
ORGANIC MATTER		%	40.9	98.4		1
ASH		%	0.6	1.6		1
CRUDE FIBER		%	1.1	2.6		1
ETHER EXTRACT		%	2.2	5.4		1
NITROGEN FREE EXTRACT		%	33.5	80.7		1
PROTEIN		%	4.0	9.8		1
CATTLE	DIG PROT	% *	2.1	5.0		
GOATS	DIG PROT	% *	2.6	6.2		
HORSES	DIG PROT	% *	2.6	6.2		
SHEEP	DIG PROT	% *	2.6	6.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	1.49	3.60		
SHEEP	DE	MCAL/KG *	1.59	3.83		
SWINE	DE	KCAL/KG *	1551.	3736.		
CATTLE	ME	MCAL/KG *	1.22	2.95		
SHEEP	ME	MCAL/KG *	1.30	3.14		
SWINE	ME	KCAL/KG *	1458.	3513.		
CATTLE	NE-M	MCAL/KG *	0.79	1.91		
CATTLE	NE-GAIN	MCAL/KG *	0.53	1.28		
CATTLE	NE-LACTATION	MCAL/KG *	0.87	2.09		
CATTLE	TDN	% *	33.9	81.6		
SHEEP	TDN	% *	36.1	86.9		
SWINE	TDN	% *	35.2	84.7		

ZEA MAYS, GRAIN, GRND, (4)

REF NO 4-10-422

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	88.8	100.0	2	83
ORGANIC MATTER		%	87.3	98.3	87	20
ASH		%	2.2	2.4	87	89
CRUDE FIBER		%	2.5	2.8	61	81
ETHER EXTRACT		%	4.0	4.5	41	83
NITROGEN FREE EXTRACT		%	71.3	80.3	6	73
PROTEIN		%	8.9	10.0	15	97
CATTLE	DIG PROT	% *	4.6	5.2		
GOATS	DIG PROT	% *	5.7	6.4		
HORSES	DIG PROT	% *	5.7	6.4		
SHEEP	DIG PROT	% *	5.7	6.4		
STARCH		%	62.4	70.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.08	3.47		
SHEEP	DE	MCAL/KG *	3.36	3.79		
SWINE	DE	KCAL/KG *	3310.	3727.		
CATTLE	ME	MCAL/KG *	2.53	2.85		
SHEEP	ME	MCAL/KG *	2.76	3.10		
SWINE	ME	KCAL/KG *	3110.	3503.		

CONTINUED

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
CATTLE	NE-M	MCAL/KG *	1.61	1.81		
CATTLE	NE-GAIN	MCAL/KG *	1.07	1.21		
CATTLE	NE-LACTATION	MCAL/KG *	1.77	1.99		
CATTLE		TDN % *	69.9	78.7		
SHEEP		TDN % *	76.2	85.9		
SWINE		TDN % *	75.1	84.5		
CALCIUM		%	0.12	0.13	98	24
COPPER		MG/KG	17.3	19.5	98	4
IRON		%	0.014	0.015	44	6
MAGNESIUM		%	0.12	0.14	70	4
MANGANESE		MG/KG	7.7	8.6	75	4
PHOSPHORUS		%	0.36	0.41	58	25
POTASSIUM		%	0.25	0.28		3
SODIUM		%	0.43	0.48		2
ZINC		MG/KG	24.0	27.0		1
NIACIN		MG/KG	18.1	20.4		3
ALANINE		%	0.89	1.01		2
ARGININE		%	0.48	0.54		2
ASPARTIC ACID		%	0.80	0.91		2
CYSTINE		%	0.25	0.28		1
GLUTAMIC ACID		%	2.42	2.72		2
GLYCINE		%	0.45	0.51		2
HISTIDINE		%	0.29	0.33		2
ISOLEUCINE		%	0.36	0.41		2
LEUCINE		%	1.16	1.31		2
LYSINE		%	0.33	0.38		3
METHIONINE		%	0.17	0.20		3
PHENYLALANINE		%	0.51	0.57		2
PROLINE		%	1.27	1.43		1
SERINE		%	0.67	0.76		2
THREONINE		%	0.43	0.48		2
TRYPTOPHAN		%	0.11	0.12		1
TYROSINE		%	0.43	0.49		2
VALINE		%	0.53	0.60		2

ZEA MAYS, GRAIN, GRND, MX 4% FOREIGN MATERIAL, (4)
CORN CHOP (AAFCO)
CORN MEAL (AAFCO)
GROUND CORN (AAFCO)

REF NO 4-02-861

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.6	100.0	1	7
ORGANIC MATTER		%	86.9	99.2	79	1
ASH		%	2.1	2.4	79	10
CRUDE FIBER		%	2.1	2.4	39	10
ETHER EXTRACT		%	4.0	4.6	24	10
NITROGEN FREE EXTRACT		%	71.0	81.0	4	10
PROTEIN		%	8.4	9.6	14	10
CATTLE	DIG PROT	% *	4.3	4.9		
GOATS	DIG PROT	% *	5.3	6.1		
HORSES	DIG PROT	% *	5.3	6.1		
SHEEP	DIG PROT	% *	5.3	6.1		
SUGARS, TOTAL		%	78.0	89.1		1
ENERGY	GE	KCAL/KG	3951.	4510.		1
CATTLE	DE	MCAL/KG *	3.04	3.47		
SHEEP	DE	MCAL/KG *	3.33	3.80		
SWINE	DE	KCAL/KG *	3262.	3724.		
CATTLE	ME	MCAL/KG *	2.49	2.85		
SHEEP	ME	MCAL/KG *	2.73	3.12		
SWINE	ME	KCAL/KG *	3069.	3503.		
CATTLE	NE-M	MCAL/KG *	1.59	1.81		
CATTLE	NE-GAIN	MCAL/KG *	1.06	1.21		
CATTLE	NE-LACTATION	MCAL/KG *	1.75	2.00		
CATTLE		TDN % *	69.0	78.7		
SHEEP		TDN % *	75.5	86.2		
SWINE		TDN % *	74.0	84.5		
CALCIUM		%	0.03	0.03		1
PHOSPHORUS		%	0.20	0.23		1

ZEA MAYS, GRAIN, GRND FERTILIZED, (4)

REF NO 4-10-358

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.0	100.0	2	4
ORGANIC MATTER		%	84.4	98.1		
ASH		%	1.6	1.9	53	4
CRUDE FIBER		%	2.1	2.5	15	4
ETHER EXTRACT		%	1.9	2.3	69	4
NITROGEN FREE EXTRACT		%	72.2	83.9	3	4
PROTEIN		%	8.2	9.5	10	4
CATTLE	DIG PROT	% *	4.1	4.7		
GOATS	DIG PROT	% *	5.1	5.9		
HORSES	DIG PROT	% *	5.1	5.9		
SHEEP	DIG PROT	% *	5.1	5.9		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.05	3.54		
SHEEP	DE	MCAL/KG *	3.29	3.83		
SWINE	DE	KCAL/KG *	3278.	3812.		
CATTLE	ME	MCAL/KG *	2.50	2.90		
SHEEP	ME	MCAL/KG *	2.70	3.14		
SWINE	ME	KCAL/KG *	3084.	3586.		
CATTLE	NE-M	MCAL/KG *	1.61	1.87		
CATTLE	NE-GAIN	MCAL/KG *	1.07	1.25		
CATTLE	NE-LACTATION	MCAL/KG *	1.76	2.05		
CATTLE		TDN % *	69.1	80.3		
SHEEP		TDN % *	74.7	86.9		
SWINE		TDN % *	74.4	86.5		
CALCIUM		%	0.02	0.02		2
COPPER		MG/KG	3.9	4.5		2
IRON		%	0.013	0.015		2
MAGNESIUM		%	0.43	0.50		2
MANGANESE		MG/KG	4.3	5.0		2
PHOSPHORUS		%	0.27	0.32		2
POTASSIUM		%	0.21	0.24		2
ZINC		MG/KG	25.8	30.0		2
ALANINE		%	0.82	0.96		2
ARGININE		%	0.42	0.49		2
ASPARTIC ACID		%	0.69	0.80		2
GLUTAMIC ACID		%	2.40	2.79		2
GLYCINE		%	0.42	0.49		2
HISTIDINE		%	0.29	0.34		2
ISOLEUCINE		%	0.36	0.42		2
LEUCINE		%	1.19	1.39		2
LYSINE		%	0.22	0.26		2
METHIONINE		%	0.18	0.21		2
PHENYLALANINE		%	0.48	0.56		2
PROLINE		%	1.00	1.16		2
SERINE		%	0.72	0.84		2
THREONINE		%	0.37	0.44		2
TYROSINE		%	0.40	0.47		2
VALINE		%	0.66	0.77		2

ZEA MAYS, GRAIN, HEAT PROCESSED GRND, (4)
HEAT PROCESSED CORN, GROUND (AAFCO)

REF NO 4-02-864

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.1	100.0		1
ORGANIC MATTER		%	87.8	98.5		1
ASH		%	1.3	1.5		1
CRUDE FIBER		%	2.9	3.3		1
ETHER EXTRACT		%	3.7	4.2		1
NITROGEN FREE EXTRACT		%	72.2	81.0		1
PROTEIN		%	9.0	10.1		1
CATTLE	DIG PROT	% *	4.7	5.3		
GOATS	DIG PROT	% *	5.8	6.5		
HORSES	DIG PROT	% *	5.8	6.5		
SHEEP	DIG PROT	% *	5.8	6.5		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.19	3.58		
SHEEP	DE	MCAL/KG *	3.39	3.81		
SWINE	DE	KCAL/KG *	3355.	3765.		
CATTLE	ME	MCAL/KG *	2.61	2.93		
SHEEP	ME	MCAL/KG *	2.78	3.12		
SWINE	ME	KCAL/KG *	3152.	3538.		
CATTLE	NE-M	MCAL/KG *	1.69	1.90		
CATTLE	NE-GAIN	MCAL/KG *	1.13	1.26		
CATTLE	NE-LACTATION	MCAL/KG *	1.85	2.08		
CATTLE		TDN % *	72.3	81.1		
SHEEP		TDN % *	76.9	86.4		
SWINE		TDN % *	76.1	85.4		

ZEA MAYS, GRAIN PULP, DEHY, (4)

REF NO 4-13-308

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	86.5	100.0	2	4
ORGANIC MATTER		%	86.1	99.5	22	4
ASH		%	0.4	0.5	22	4
CRUDE FIBER		%	3.8	4.4	29	4
ETHER EXTRACT		%	1.7	2.0	57	4
NITROGEN FREE EXTRACT		%	69.3	80.1	1	4
PROTEIN		%	11.3	13.1	10	4
CATTLE	DIG PROT	% *	6.9	8.0		
GOATS	DIG PROT	% *	8.0	9.2		
HORSES	DIG PROT	% *	8.0	9.2		
SHEEP	DIG PROT	% *	8.0	9.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.22	3.72		
SHEEP	DE	MCAL/KG *	3.31	3.82		
SWINE	DE	KCAL/KG *	3305.	3820.		
CATTLE	ME	MCAL/KG *	2.64	3.05		
SHEEP	ME	MCAL/KG *	2.71	3.14		
SWINE	ME	KCAL/KG *	3085.	3566.		
CATTLE	NE-M	MCAL/KG *	1.75	2.02		
CATTLE	NE-GAIN	MCAL/KG *	1.16	1.34		
CATTLE	NE-LACTATION	MCAL/KG *	1.90	2.19		
CATTLE		TDN % *	73.1	84.5		
SHEEP		TDN % *	75.0	86.7		
SWINE		TDN % *	75.0	86.6		

ZEA MAYS, GRAIN, SOLV EXTD GRND, (4)

REF NO 4-13-332

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		95.7		
ASH		%		4.3	22	5
CRUDE FIBER		%		6.6	61	5
ETHER EXTRACT		%		1.6	38	5
NITROGEN FREE EXTRACT		%		73.2	8	5

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
PROTEIN		%		14.3	11	5
CATTLE	DIG PROT	% *		9.2		
GOATS	DIG PROT	% *		10.4		
HORSES	DIG PROT	% *		10.4		
SHEEP	DIG PROT	% *		10.4		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		3.11		
SHEEP	DE	MCAL/KG *		3.63		
SWINE	DE	KCAL/KG *		3544.		
CATTLE	ME	MCAL/KG *		2.55		
SHEEP	ME	MCAL/KG *		2.97		
SWINE	ME	KCAL/KG *		3299.		
CATTLE	NE-M	MCAL/KG *		1.56		
CATTLE	NE-GAIN	MCAL/KG *		0.99		
CATTLE	NE-LACTATION	MCAL/KG *		1.72		
CATTLE		TDN % *		70.6		
SHEEP		TDN % *		82.3		
SWINE		TDN % *		80.4		
CALCIUM		%		0.07		1
PHOSPHORUS		%		0.98		1

ZEA MAYS, GRAIN, TOASTED GRND, (4)

REF NO 4-11-474

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.1	100.0		1
ORGANIC MATTER		%	91.5	98.3		
ASH		%	1.6	1.7		1
CRUDE FIBER		%	2.6	2.8		1
ETHER EXTRACT		%	4.8	5.2		1
NITROGEN FREE EXTRACT		%	75.1	80.7		
PROTEIN		%	9.0	9.7		1
CATTLE	DIG PROT	% *	4.6	4.9		
GOATS	DIG PROT	% *	5.7	6.1		
HORSES	DIG PROT	% *	5.7	6.1		
SHEEP	DIG PROT	% *	5.7	6.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.31	3.56		
SHEEP	DE	MCAL/KG *	3.55	3.82		
SWINE	DE	KCAL/KG *	3477.	3734.		
CATTLE	ME	MCAL/KG *	2.72	2.92		
SHEEP	ME	MCAL/KG *	2.91	3.13		
SWINE	ME	KCAL/KG *	3270.	3512.		
CATTLE	NE-M	MCAL/KG *	1.75	1.88		
CATTLE	NE-GAIN	MCAL/KG *	1.17	1.26		
CATTLE	NE-LACTATION	MCAL/KG *	1.92	2.06		
CATTLE		TDN % *	75.2	80.7		
SHEEP		TDN % *	80.6	86.5		
SWINE		TDN % *	78.9	84.7		
CALCIUM		%	0.01	0.01		1
IRON		%	0.007	0.008		1
PHOSPHORUS		%	0.29	0.31		1
ASCORBIC ACID		MG/KG	3.3	3.5		1
NIACIN		MG/KG	29.4	31.6		1
RIBOFLAVIN		MG/KG	1.9	2.0		1
THIAMINE		MG/KG	1.7	1.8		1

ZEA MAYS, GRAIN W FAT ADDED, GRND, (4)

REF NO 4-09-707

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	90.7	100.0		1
ORGANIC MATTER		%	86.8	95.7		
ASH		%	3.9	4.3		2
CRUDE FIBER		%	5.3	5.9		2
ETHER EXTRACT		%	13.1	14.5		2
NITROGEN FREE EXTRACT		%	56.0	61.7		2
PROTEIN		%	12.4	13.6		2
CATTLE	DIG PROT	% *	7.7	8.5		
GOATS	DIG PROT	% *	8.8	9.7		
HORSES	DIG PROT	% *	8.8	9.7		
SHEEP	DIG PROT	% *	8.8	9.7		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	4.10	4.52		
SHEEP	DE	MCAL/KG *	3.78	4.17		
SWINE	DE	KCAL/KG *	3622.	3994.		
CATTLE	ME	MCAL/KG *	3.36	3.71		
SHEEP	ME	MCAL/KG *	3.10	3.42		
SWINE	ME	KCAL/KG *	3378.	3724.		
CATTLE	NE-M	MCAL/KG *	2.55	2.81		
CATTLE	NE-GAIN	MCAL/KG *	1.52	1.68		
CATTLE	NE-LACTATION	MCAL/KG *	2.55	2.82		
CATTLE		TDN % *	93.0	102.5		
SHEEP		TDN % *	85.7	94.5		
SWINE		TDN % *	82.2	90.6		

ZEA MAYS, GRAIN NO GERM, (4)

REF NO 4-02-884

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	93.6	100.0		2
ORGANIC MATTER		%	93.0	99.4		1
ASH		%	0.5	0.5		3
CRUDE FIBER		%	0.8	0.9		3
ETHER EXTRACT		%	1.4	1.5		3
NITROGEN FREE EXTRACT		%	80.6	86.2		3
PROTEIN		%	10.2	10.9		3
CATTLE	DIG PROT	% *	5.6	6.0		
GOATS	DIG PROT	% *	6.7	7.2		
HORSES	DIG PROT	% *	6.7	7.2		
SHEEP	DIG PROT	% *	6.7	7.2		
SUGARS, TOTAL		%	93.0	99.4		1
ENERGY	GE	KCAL/KG				
SWINE	DE	KCAL/KG *	3623.	3873.		
SWINE	ME	KCAL/KG *	3399.	3633.		
SWINE		TDN % *	82.2	87.9		
CALCIUM		%	0.26	0.28		1
PHOSPHORUS		%	0.07	0.08		1

ZEA MAYS, GRAIN NO STARCH, (4)

REF NO 4-13-303

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	87.6	100.0		1
ORGANIC MATTER		%	87.0	99.3		1
ASH		%	2.2	2.5		3
CRUDE FIBER		%	6.2	7.0		3
ETHER EXTRACT		%	6.9	7.9		3
NITROGEN FREE EXTRACT		%	61.9	70.6		3
PROTEIN		%	10.5	12.0		3
CATTLE	DIG PROT	% *	6.1	7.0		
GOATS	DIG PROT	% *	7.2	8.2		
HORSES	DIG PROT	% *	7.2	8.2		
SHEEP	DIG PROT	% *	7.2	8.2		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *	3.26	3.72		
SHEEP	DE	MCAL/KG *	3.20	3.66		
SWINE	DE	KCAL/KG *	3228.	3685.		
CATTLE	ME	MCAL/KG *	2.68	3.05		
SHEEP	ME	MCAL/KG *	2.63	3.00		
SWINE	ME	KCAL/KG *	3020.	3448.		
CATTLE	NE-M	MCAL/KG *	1.77	2.02		
CATTLE	NE-GAIN	MCAL/KG *	1.18	1.34		
CATTLE	NE-LACTATION	MCAL/KG *	1.92	2.19		
CATTLE		TDN % *	74.0	84.5		
SHEEP		TDN % *	72.7	82.9		
SWINE		TDN % *	73.2	83.6		

ZEA MAYS, GRITS BY-PRODUCT, DEHY GRND CAKED, (4)

REF NO 4-17-413

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%		100.0		
ORGANIC MATTER		%		94.4		
ASH		%		5.6		1
CRUDE FIBER		%		6.0		1
ETHER EXTRACT		%		1.2		1
NITROGEN FREE EXTRACT		%		72.1		1
PROTEIN		%		15.1		1
CATTLE	DIG PROT	% *		9.9		
GOATS	DIG PROT	% *		11.1		
HORSES	DIG PROT	% *		11.1		
SHEEP	DIG PROT	% *		11.1		
ENERGY	GE	KCAL/KG				
CATTLE	DE	MCAL/KG *		2.94		
SHEEP	DE	MCAL/KG *		3.61		
SWINE	DE	KCAL/KG *		3481.		
CATTLE	ME	MCAL/KG *		2.41		
SHEEP	ME	MCAL/KG *		2.96		
SWINE	ME	KCAL/KG *		3235.		
CATTLE	NE-M	MCAL/KG *		1.45		
CATTLE	NE-GAIN	MCAL/KG *		0.87		
CATTLE	NE-LACTATION	MCAL/KG *		1.58		
CATTLE		TDN % *		66.6		
SHEEP		TDN % *		82.0		
SWINE		TDN % *		78.9		

ZEA MAYS, GRITS BY-PRODUCT, MN 5% FAT, (4)
HOMINY FEED (CFA)
HOMINY FEED (AAFCO)

REF NO 4-02-887

NAME OR NUTRIENT		UNIT	AS FED	DRY	CV	NO
DRY MATTER		%	89.1	100.0	1	13
ORGANIC MATTER		%	86.2	96.7	99	1
ASH		%	5.7	6.4	99	10
SHEEP	DIG COEF	%	16.	16.		
CRUDE FIBER		%	5.0	5.6	15	19
CATTLE	DIG COEF	%	79.	79.		1
SHEEP	DIG COEF	%	40.	40.		1
ETHER EXTRACT		%	9.8	11.0	98	19
CATTLE	DIG COEF	%	96.	96.		1
SHEEP	DIG COEF	%	91.	91.		1
NITROGEN FREE EXTRACT		%	52.3	58.7	8	7
CATTLE	DIG COEF	%	92.	92.		1
SHEEP	DIG COEF	%	89.	89.		1
PROTEIN		%	16.4	18.4	98	19
CATTLE	DIG COEF	%	67.	67.		1
SHEEP	DIG COEF	%	64.	64.		1
CATTLE	DIG PROT	%	11.0	12.3		
GOATS	DIG PROT	% *	12.5	14.1		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
HORSES	DIG PROT % *	12.5	14.1		
SHEEP	DIG PROT %	10.5	11.8		
FATTY ACIDS	%				
LINOLEIC	%	3.246	3.642		1
ENERGY	GE KCAL/KG	1908.	2140.		1
CATTLE	DE MCAL/KG *	3.71	4.16		
SHEEP	DE MCAL/KG *	3.49	3.91		
SWINE	DE KCAL/KG *	3492.	3918.		
CATTLE	ME MCAL/KG *	3.04	3.41		
CHICKENS	ME-N KCAL/KG	1952.	2190.		3
SHEEP	ME MCAL/KG *	2.86	3.21		
SWINE	ME KCAL/KG *	3223.	3616.		
CATTLE	NE-M MCAL/KG *	2.16	2.42		
CATTLE	NE-GAIN MCAL/KG *	1.37	1.54		
CATTLE	NE-LACTATION MCAL/KG *	2.26	2.54		
CATTLE	TDN %	84.2	94.5		1
SHEEP	TDN %	79.1	88.7		1
SWINE	TDN %	79.2	88.9		
CALCIUM	%	(0.44)	(0.49)	98	7
CHLORINE	%	(0.05)	(0.06)		2
COBALT	MG/KG	(0.059)	(0.066)		1
COPPER	MG/KG	(13.2)	(14.8)		2
IRON	%	(0.008)	(0.009)		2
MAGNESIUM	%	(0.16)	(0.18)		3
MANGANESE	MG/KG	14.4	16.1		3
PHOSPHORUS	%	(1.16)	(1.31)	98	7
CHICKENS, CHICKS AVAILABLE	%	(0.15)	(0.17)		2
POTASSIUM	%	(0.45)	(0.51)	47	4
SODIUM	%	(0.10)	(0.11)		3
SULPHUR	%	(0.03)	(0.03)		2
BIOTIN	MG/KG	(0.13)	(0.14)		1
CHOLINE	MG/KG	(964.)	(1081.)		2
FOLIC ACID	MG/KG	(0.28)	(0.31)		1
NIACIN	MG/KG	(59.6)	(66.9)		3
PANTOTHENIC ACID	MG/KG	(7.8)	(8.8)		3
RIBOFLAVIN	MG/KG	(2.2)	(2.4)		3
THIAMINE	MG/KG	(7.8)	(8.8)		1
VITAMIN B6	MG/KG	(10.82)	(12.14)		1
VITAMIN A	IU/G	393.6	441.6		2
VITAMIN A EQUIV	IU/G	15.2	17.0		
ARGININE	%	(0.55)	(0.62)		3
CYSTINE	%	(0.19)	(0.21)		2
GLYCINE	%	(0.39)	(0.44)		2
HISTIDINE	%	0.28	0.31		2
ISOLEUCINE	%	0.46	0.52		2
LEUCINE	%	1.18	1.32		2
LYSINE	%	(0.45)	(0.51)		3
METHIONINE	%	0.18	0.20		3
PHENYLALANINE	%	0.45	0.50		2
THREONINE	%	0.47	0.52		2
TRYPTOPHAN	%	(0.12)	(0.13)		3
TYROSINE	%	(0.49)	(0.55)		2
VALINE	%	(0.62)	(0.70)		2
XANTHOPHYLL	MG/KG	4.33	4.86		1

ZEA MAYS, GRITS, CRACKED FINE SCREENED, (4)
CORN GRITS (CFA)
HOMINY GRITS (AAFCO)
CORN GRITS (AAFCO)

REF NO 4-02-886

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		99.0		
ASH	%		1.0		2
CRUDE FIBER	%		0.7		2
ETHER EXTRACT	%		6.4		2
NITROGEN FREE EXTRACT	%		81.1		2
PROTEIN	%		10.8		2
CATTLE	DIG PROT % *		5.9		
GOATS	DIG PROT % *		7.1		
HORSES	DIG PROT % *		7.1		
SHEEP	DIG PROT % *		7.1		
ENERGY	GE KCAL/KG				
SWINE	DE KCAL/KG *		3754.		
SWINE	ME KCAL/KG *		3522.		
SWINE	TDN % *		85.1		

ZEA MAYS, STARCH, DEHY GRND, (4)

REF NO 4-02-889

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	86.6	100.0		2
ORGANIC MATTER	%	86.4	99.8		
ASH	%	0.2	0.2		1
CRUDE FIBER	%	0.9	1.0		2
ETHER EXTRACT	%	0.4	0.4		2
NITROGEN FREE EXTRACT	%	84.5	97.6		1
PROTEIN	%	0.6	0.7		2
CATTLE	DIG PROT % *	-2.9	-3.3		
GOATS	DIG PROT % *	-1.8	-2.1		
HORSES	DIG PROT % *	-1.8	-2.1		
SHEEP	DIG PROT % *	-1.8	-2.1		

ZEA MAYS, BRAN W GERM, (5)

REF NO 5-13-768

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.9	100.0		1
ORGANIC MATTER	%	88.5	98.4		1
ASH	%	1.4	1.6		1
CRUDE FIBER	%	15.7	17.5		1
ETHER EXTRACT	%	15.4	17.1		1
NITROGEN FREE EXTRACT	%	46.5	51.7		1
PROTEIN	%	10.9	12.1		1
CALCIUM	%	0.12	0.13		1
PHOSPHORUS	%	0.19	0.21		1

ZEA MAYS, BRAN W GERM, GRND, (5)

REF NO 5-13-529

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.3	100.0	5	4
ORGANIC MATTER	%	85.0	95.2		
ASH	%	4.3	4.8	50	4
CRUDE FIBER	%	9.4	10.5	41	4
ETHER EXTRACT	%	8.6	9.6	48	4
NITROGEN FREE EXTRACT	%	52.5	58.8	15	4
PROTEIN	%	14.5	16.3	54	4
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *	3.48	3.90		
SHEEP	ME MCAL/KG *	2.86	3.20		
SHEEP	TDN % *	79.0	88.6		
CALCIUM	%	0.84	0.94		2
COPPER	MG/KG	35.7	40.0		2
IRON	%	0.019	0.021		2
MAGNESIUM	%	0.22	0.25		2
MANGANESE	MG/KG	13.4	15.0		2
PHOSPHORUS	%	0.88	0.99		2
POTASSIUM	%	0.97	1.09		2
SODIUM	%	(0.12)	(0.14)		2

ZEA MAYS, DISTILLERS GRAINS, DEHY, (5)
CORN DISTILLERS DRIED GRAINS (CFA)
CORN DISTILLERS DRIED GRAINS (AAFCO)

REF NO 5-02-842

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(93.1)	(100.0)	1	31
ORGANIC MATTER	%	(90.7)	(97.4)		
ASH	%	(2.4)	(2.6)	19	8
SHEEP	DIG COEF %	(27.)	(27.)		
CRUDE FIBER	%	(11.3)	(12.1)	14	18
SHEEP	DIG COEF %	(64.)	(64.)		1
ETHER EXTRACT	%	(8.9)	(9.5)	8	8
SHEEP	DIG COEF %	(88.)	(88.)		1
NITROGEN FREE EXTRACT	%	(42.8)	(46.0)	5	7
SHEEP	DIG COEF %	(72.)	(72.)		1
PROTEIN	%	(27.8)	(29.8)	4	19
SHEEP	DIG COEF %	(72.)	(72.)		1
SHEEP	DIG PROT %	(20.0)	(21.5)		
ENERGY	GE KCAL/KG	(2289.)	(2457.)		1
CATTLE	DE MCAL/KG *	(3.21)	(3.44)		
SHEEP	DE MCAL/KG *	(3.33)	(3.58)		
CATTLE	ME MCAL/KG *	(2.63)	(2.82)		
CHICKENS	ME-N KCAL/KG	(1661.)	(1784.)		3
SHEEP	ME MCAL/KG *	(2.73)	(2.94)		
CATTLE	NE-M MCAL/KG *	(1.67)	(1.79)		
CATTLE	NE-GAIN MCAL/KG *	(1.11)	(1.19)		
CATTLE	NE-LACTATION MCAL/KG *	(1.84)	(1.97)		
CHICKENS	PRODUCTIVE KCAL/KG	(1287.)	(1381.)		2
CATTLE	TDN % *	(72.7)	(78.0)		
SHEEP	TDN %	(75.6)	(81.2)		1
CALCIUM	%	(0.09)	(0.10)	20	8
CHLORINE	%	(0.07)	(0.08)		3
COBALT	MG/KG	(0.082)	(0.088)		1
COPPER	MG/KG	(45.3)	(48.6)		3
IRON	%	(0.022)	(0.023)		3
MAGNESIUM	%	(0.06)	(0.07)	17	4
MANGANESE	MG/KG	(21.4)	(23.0)		3
PHOSPHORUS	%	(0.38)	(0.41)	11	8
CHICKENS, CHICKS AVAILABLE	%	(0.11)	(0.12)		1
POTASSIUM	%	(0.11)	(0.12)	87	4
SELENIUM	MG/KG	(0.361)	(0.388)		1
SODIUM	%	(0.32)	(0.34)	98	4
SULPHUR	%	(0.43)	(0.46)		2
A-TOCOPHEROL	MG/KG	(31.5)	(33.8)		1
BIOTIN	MG/KG	(0.47)	(0.51)		3
CHOLINE	MG/KG	(1237.)	(1328.)	48	5
NIACIN	MG/KG	33.1	35.6	27	5
PANTOTHENIC ACID	MG/KG	(11.6)	(12.4)	54	13
RIBOFLAVIN	MG/KG	(4.6)	(4.9)	86	8
THIAMINE	MG/KG	(1.7)	(1.8)		3
VITAMIN A	IU/G	(778.1)	(835.3)		3
VITAMIN A EQUIV	IU/G	(5.2)	(5.6)		
ARGININE	%	(1.01)	(1.08)	2	6
CYSTINE	%	(0.38)	(0.40)		3
GLYCINE	%	(0.51)	(0.54)		1
HISTIDINE	%	(0.63)	(0.68)	8	4
ISOLEUCINE	%	(1.08)	(1.16)	17	4
LEUCINE	%	(3.28)	(3.52)		3

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
LYSINE	%	(0.87)	(0.94)	7	6
METHIONINE	%	(0.43)	(0.46)	13	6
PHENYLALANINE	%	(0.81)	(0.87)	50	4
THREONINE	%	(0.48)	(0.51)	72	4
TRYPTUPHAN	%	(0.20)	(0.22)	12	6
TYROSINE	%	(0.90)	(0.96)		2
VALINE	%	(1.30)	(1.40)	13	4
XANTHUPHYLL	MG/KG	(10.95)	(11.76)		2

ZEA MAYS, DISTILLERS GRAINS W SOLUBLES, DEHY, MN 75% ORIGINAL SOLIDS, (5) CORN DISTILLERS DRIED GRAINS WITH SOLUBLES (AAFCO)

REF NO 5-02-843

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.6)	(100.0)	2	20
ORGANIC MATTER	%	(87.9)	(94.9)		
ASH	%	(4.7)	(5.1)	13	8
SHEEP DIG COEF	%	(33.)	(33.)		
CRUDE FIBER	%	(9.1)	(9.8)	15	10
SHEEP DIG COEF	%	(67.)	(67.)		1
ETHER EXTRACT	%	(9.7)	(10.5)	23	10
SHEEP DIG COEF	%	(94.)	(94.)		1
NITROGEN FREE EXTRACT	%	(41.8)	(45.2)	7	8
SHEEP DIG COEF	%	(68.)	(68.)		1
PROTEIN	%	(27.2)	(29.4)	1	10
SHEEP DIG COEF	%	(49.)	(49.)		1
SHEEP DIG PROT	%	(13.3)	(14.4)		
PENTOSANS	%	(15.3)	(16.5)		1
LIGNIN (ELLIS)	%	(5.6)	(6.1)		1
FATTY ACIDS	%				
LINOLEIC	%	(4.530)	(4.891)		1
ENERGY GE	KCAL/KG	(2074.)	(2239.)		1
CATTLE DE	MCAL/KG *	(3.15)	(3.40)		
SHEEP DE	MCAL/KG *	(3.02)	(3.26)		
CATTLE ME	MCAL/KG *	(2.58)	(2.79)		
CHICKENS ME-N	KCAL/KG	(2479.)	(2677.)	1	5
SHEEP ME	MCAL/KG *	(2.48)	(2.67)		
CATTLE ME-N	MCAL/KG *	(1.63)	(1.76)		
CATTLE ME-GAIN	MCAL/KG *	(1.08)	(1.17)		
CATTLE ME-LACTATION	MCAL/KG *	(1.80)	(1.94)		
CHICKENS PRODUCTIVE	KCAL/KG	(1838.)	(1984.)		3
CATTLE	TDN % *	(71.4)	(77.1)		
SHEEP	TDN %	(68.5)	(73.9)		1
CALCIUM	%	(0.17)	(0.18)	25	9
CHLORINE	%	(0.17)	(0.18)		3
COBALT	MG/KG	(0.111)	(0.120)		1
COPPER	MG/KG	(56.5)	(61.1)		3
IRON	%	(0.028)	(0.030)		3
MAGNESIUM	%	(0.19)	(0.20)		3
MANGANESE	MG/KG	(23.9)	(25.8)	22	4
PHOSPHORUS	%	(0.73)	(0.79)	17	9
CHICKENS, CHICKS AVAILABLE	%	(0.28)	(0.30)		2
POTASSIUM	%	(0.65)	(0.70)		3
SELENIUM	MG/KG	(0.390)	(0.421)		1
SODIUM	%	(0.49)	(0.53)	60	4
SULPHUR	%	(0.30)	(0.32)		2
A-TOCOPHEROL	MG/KG	(40.3)	(43.5)		1
BIOTIN	MG/KG	(0.79)	(0.85)	27	4
CHOLINE	MG/KG	(2637.)	(2848.)	14	7
FOLIC ACID	MG/KG	(0.86)	(0.93)		2
NIACIN	MG/KG				
PANTOTHENIC ACID	MG/KG				
PYRIDOXINE	MG/KG	2.2	2.4		1
RIBOFLAVIN	MG/KG				
THIAMINE	MG/KG				
VITAMIN B6	MG/KG	(2.22)	(2.40)		1
VITAMIN A	IU/G	(917.6)	(990.8)	98	5
VITAMIN A EQUIV	IU/G	(6.3)	(8.8)		
VITAMIN D2	IU/KG	(1.)	(1.)		1
ARGININE	%	(0.98)	(1.06)	12	7
CYSTINE	%	(0.34)	(0.37)	18	5
GLUTAMIC ACID	%	(5.51)	(5.95)		2
GLYCINE	%	(0.57)	(0.62)	32	7
HISTIDINE	%	(0.66)	(0.71)	8	4
ISOLEUCINE	%	(1.40)	(1.51)	25	4
LEUCINE	%	(2.21)	(2.38)		3
LYSINE	%	(0.75)	(0.81)	6	7
METHIONINE	%	(0.50)	(0.54)	1	7
PHENYLALANINE	%	(1.46)	(1.58)	34	4
SERINE	%	(1.61)	(1.74)		1
THREONINE	%	(0.92)	(0.99)	10	4
TRYPTOPHAN	%	(0.18)	(0.20)	32	7
TYROSINE	%	(0.74)	(0.80)		3
VALINE	%	(1.47)	(1.59)	10	4
XANTHOPHYLL	MG/KG	(9.22)	(9.96)	78	4

ZEA MAYS, DISTILLERS SOLUBLES, DEHY, (5) CORN DISTILLERS DRIED SOLUBLES (AAFCO)

REF NO 5-02-844

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	(92.2)	(100.0)	2	24
ORGANIC MATTER	%	84.5	91.7		
ASH	%	7.7	8.3	5	7
CRUDE FIBER	%	5.0	5.4	42	13
SHEEP DIG COEF	%	74.	74.		1
ETHER EXTRACT	%	8.0	8.7	16	13
SHEEP DIG COEF	%	72.	72.		1
NITROGEN FREE EXTRACT	%	44.4	48.1	5	6
SHEEP DIG COEF	% *	91.	91.		
PROTEIN	%	27.2	29.5	5	14
SHEEP DIG COEF	%	79.	79.		1
SHEEP DIG PROT	%	(21.5)	(23.3)		
PENTOSANS	%	(5.7)	(6.2)		1
LIGNIN (ELLIS)	%	2.4	2.6		1
FATTY ACIDS	%				
LINOLEIC	%	4.561	4.946		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.27	3.55		
SHEEP DE	MCAL/KG *	3.46	3.75		
SWINE DE	MCAL/KG *	3332.	3614.		
CATTLE ME	MCAL/KG *	2.68	2.91		
CHICKENS ME-N	KCAL/KG	2928.	3176.	3	4
SHEEP ME	MCAL/KG *	2.84	3.08		
SWINE ME	KCAL/KG	2922.	3169.		1
CATTLE ME-N	MCAL/KG *	1.73	1.87		
CATTLE ME-GAIN	MCAL/KG *	1.15	1.25		
CATTLE ME-LACTATION	MCAL/KG *	(1.90)	(2.06)		
CHICKENS PRODUCTIVE	KCAL/KG	2060.	2234.		2
CATTLE	TDN % *	74.2	80.5		
SHEEP	TDN % *	78.5	85.1		
SWINE	TDN %	(75.6)	(82.0)		1
CALCIUM	%	(0.31)	(0.34)	35	12
CHLORINE	%	(0.26)	(0.28)		3
COBALT	MG/KG	(0.194)	(0.211)		1
COPPER	MG/KG	(82.7)	(89.7)		3
IRON	%	(0.057)	(0.061)		3
MAGNESIUM	%	(0.64)	(0.69)		3
MANGANESE	MG/KG	(73.7)	(79.9)		4
PHOSPHORUS	%	(1.24)	(1.35)	19	12
CHICKENS, CHICKS AVAILABLE	%	(0.82)	(0.89)		2
POTASSIUM	%	1.75	1.90		3
SALT (NACL)	%	(0.27)	(0.29)		2
SELENIUM	MG/KG	(0.333)	(0.361)		1
SODIUM	%	(0.26)	(0.28)		3
SULPHUR	%	(0.37)	(0.40)		2
ZINC	MG/KG	(84.3)	(91.4)		1
A-TOCOPHEROL	MG/KG	(55.4)	(60.1)		2
BIOTIN	MG/KG	(1.39)	(1.51)	13	4
CHOLINE	MG/KG	(4798.)	(5203.)		6
FOLIC ACID	MG/KG	(1.38)	(1.50)	38	4
NIACIN	MG/KG				
PANTOTHENIC ACID	MG/KG				
RIBOFLAVIN	MG/KG				
THIAMINE	MG/KG				
VITAMIN B6	MG/KG		(9.88)		1
VITAMIN A	IU/G	124.5	135.1	98	4
VITAMIN A EQUIV	IU/G	(1.1)	(1.2)		
ARGININE	%	(1.01)	(1.10)	5	7
CYSTINE	%	(0.44)	(0.47)	34	7
GLUTAMIC ACID	%	(4.27)	(4.64)		2
GLYCINE	%	(1.09)	(1.19)		6
HISTIDINE	%	(0.66)	(0.72)	7	5
ISOLEUCINE	%	(1.38)	(1.50)	10	5
LEUCINE	%	(2.28)	(2.47)	17	4
LYSINE	%	(0.94)	(1.02)	13	7
METHIONINE	%	(0.55)	(0.60)	10	7
PHENYLALANINE	%	(1.46)	(1.59)	5	5
SERINE	%	(1.29)	(1.40)		1
THREONINE	%	(1.00)	(1.09)	1	5
TRYPTUPHAN	%	(0.21)	(0.23)	10	7
TYROSINE	%	(0.96)	(1.04)		3
VALINE	%	(1.54)	(1.67)	4	5
XANTHOPHYLL	MG/KG	2.02	2.19		3

ZEA MAYS, DISTILLERS STILLAGE, WET, (5)

REF NO 5-02-846

NAME OR NUTRIENT	UNIT			
DRY MATTER	%	100.0		
ORGANIC MATTER	%	95.8		
ASH	%	4.2		1
CRUDE FIBER	%	10.1		1
ETHER EXTRACT	%	10.7		1
NITROGEN FREE EXTRACT	%	47.9		1
PROTEIN	%	27.2		1
ENERGY GE	KCAL/KG			
CATTLE DE	MCAL/KG *	3.37		
SHEEP DE	MCAL/KG *	4.03		
CATTLE ME	MCAL/KG *	2.76		
SHEEP ME	MCAL/KG *	3.31		
CATTLE ME-N	MCAL/KG *	1.74		
CATTLE ME-GAIN	MCAL/KG *	1.15		
CATTLE ME-LACTATION	MCAL/KG *	1.92		

CONTINUED

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *		76.5		
SHEEP	TDN % *		91.5		

ZEA MAYS, GERM, (5)

REF NO 5-02-896

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	88.9	100.0	3	8
ORGANIC MATTER	%	85.3	95.9	63	2
ASH	%	3.6	4.1	63	11
CRUDE FIBER	%	5.5	6.2	68	10
ETHER EXTRACT	%	18.8	21.1	47	11
NITROGEN FREE EXTRACT	%	44.1	49.6	25	10
PROTEIN	%	16.9	19.0	44	10
STARCH	%	8.4	9.4		1
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG *		1.58	1.78		
SHEEP DE KCAL/KG *		4.20	4.73		
CATTLE ME KCAL/KG *		1.30	1.46		
SHEEP ME KCAL/KG *		3.45	3.88		
CATTLE NE-M KCAL/KG *		0.80	0.90		
CATTLE NE-GAIN KCAL/KG *		-0.14	-0.16		
CATTLE NE-LACTATION KCAL/KG *		0.60	0.68		
CATTLE TDN % *		35.9	40.4		
SHEEP TDN % *		95.3	107.2		
CALCIUM	%	0.20	0.22		2
PHOSPHORUS	%	0.68	0.76		2
ARGININE	%	0.55	0.62		1
CYSTINE	%	0.25	0.28		1
HISTICINE	%	0.26	0.29		1
ISOLEUCINE	%	0.33	0.37		1
LEUCINE	%	0.82	0.92		1
LYSINE	%	0.38	0.43		1
METHIONINE	%	0.13	0.15		1
PHENYLALANINE	%	0.39	0.44		1
THREONINE	%	0.34	0.38		1
TRYPTOPHAN	%	0.12	0.13		1
VALINE	%	0.47	0.53		1

ZEA MAYS, GERM, MECH EXTD GRND, (5)
CORN OIL MEAL EXPELLER EXTRACTED
CORN GERM MEAL (DRY MILLED) MECHANICAL EXTRACTED

REF NO 5-02-867

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	92.6	100.0	1	4
ORGANIC MATTER	%	85.7	92.6	54	1
ASH	%	5.4	5.9	54	5
CRUDE FIBER	%	8.2	8.8	53	5
ETHER EXTRACT	%	5.3	5.7	37	5
NITROGEN FREE EXTRACT	%	53.7	57.9	16	5
PROTEIN	%	20.0	21.6	22	5
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG *		3.36	3.63		
SHEEP DE KCAL/KG *		3.48	3.75		
CATTLE ME KCAL/KG *		2.76	2.97		
SHEEP ME KCAL/KG *		2.85	3.08		
CATTLE NE-M KCAL/KG *		1.79	1.94		
CATTLE NE-GAIN KCAL/KG *		1.20	1.29		
CATTLE NE-LACTATION KCAL/KG *		1.96	2.12		
CATTLE TDN % *		76.2	82.3		
SHEEP TDN % *		78.9	85.1		
CALCIUM	%	0.29	0.32		2
IRON	%	0.020	0.022		1
PHOSPHORUS	%	1.33	1.44		2
ARGININE	%	1.04	1.12		1
CYSTINE	%	0.38	0.41		1
HISTIDINE	%	0.48	0.52		1
ISOLEUCINE	%	0.62	0.67		1
LEUCINE	%	1.55	1.67		1
LYSINE	%	0.73	0.79		1
METHIONINE	%	0.26	0.28		1
PHENYLALANINE	%	0.74	0.80		1
THREONINE	%	0.65	0.70		1
TRYPTOPHAN	%	0.18	0.19		1
VALINE	%	0.90	0.97		1

ZEA MAYS, GERM, MECH EXTD GRND CAKED, (5)

REF NO 5-13-324

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		98.3		
ASH	%		1.7		1
CRUDE FIBER	%		8.8		1
ETHER EXTRACT	%		12.4		1
NITROGEN FREE EXTRACT	%		49.0		1
PROTEIN	%		28.1		1
ENERGY GE KCAL/KG					
CATTLE DE KCAL/KG *			3.32		
SHEEP DE KCAL/KG *			4.35		
CATTLE ME KCAL/KG *			2.72		
SHEEP ME KCAL/KG *			3.57		
CATTLE NE-M KCAL/KG *			1.70		
CATTLE NE-GAIN KCAL/KG *			1.12		
CATTLE NE-LACTATION KCAL/KG *			1.88		
CATTLE TDN % *			75.2		
SHEEP TDN % *			98.7		

ZEA MAYS, GERM, SOLV EXTD GRND, (5)
CORN OIL MEAL, SOLVENT EXTRACTED
CORN GERM MEAL (DRY MILLED), SOLVENT EXTRACTED

REF NO 5-02-868

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	91.1	100.0		1
ORGANIC MATTER	%	86.7	95.2		
ASH	%	4.4	4.8		1
CRUDE FIBER	%	3.5	3.8		1
ETHER EXTRACT	%	1.0	1.1		1
NITROGEN FREE EXTRACT	%	69.2	76.0		
PROTEIN	%	13.0	14.3		1
CALCIUM	%	0.10	0.11		1
PHOSPHORUS	%	1.11	1.22		1

ZEA MAYS, GLUTEN, MALTOSE PROCESS, (5)

REF NO 5-02-899

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		97.3		1
ASH	%		2.7		1
CRUDE FIBER	%		5.3		1
ETHER EXTRACT	%		6.6		1
NITROGEN FREE EXTRACT	%		67.5		1
PROTEIN	%		17.8		1
ENERGY GE KCAL/KG					
SHEEP DE KCAL/KG *			4.23		
SHEEP ME KCAL/KG *			3.46		
SHEEP TDN % *			95.8		

ZEA MAYS, GLUTEN W BRAN, WET MILLED DEHY, (5)
CORN GLUTEN FEED (CFA)
CORN GLUTEN FEED (AAFCO)

REF NO 5-02-903

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	90.4	100.0	2	32
ORGANIC MATTER	%	(84.7)	(93.7)		
ASH	%	(5.7)	(6.3)	45	9
CRUDE FIBER	%	(9.3)	(10.3)	46	13
CATTLE DIG COEF %		(70.)	(70.)		1
ETHER EXTRACT	%	(2.7)	(2.9)	35	11
CATTLE DIG COEF %		(74.)	(74.)		1
NITROGEN FREE EXTRACT	%	(48.1)	(53.3)	5	6
CATTLE DIG COEF %		(88.)	(88.)		1
PROTEIN	%	(24.6)	(27.3)	10	14
CATTLE DIG COEF %		(86.)	(86.)		1
CATTLE DIG PROT %		(21.2)	(23.4)		
PENTOSANS	%	(18.1)	(20.0)		1
ENERGY GE KCAL/KG		(2746.)	(3039.)		2
CATTLE DE MCAL/KG *		(3.28)	(3.63)		
SHEEP DE MCAL/KG *		(3.31)	(3.66)		
SWINE DE KCAL/KG *		(3395.)	(3758.)		
CATTLE ME MCAL/KG *		(2.69)	(2.98)		
CHICKENS ME-N KCAL/KG		(1688.)	(1868.)		2
SHEEP ME MCAL/KG *		(2.71)	(3.00)		
SWINE ME KCAL/KG		(2464.)	(2727.)		1
CATTLE NE-M MCAL/KG *		(1.75)	(1.94)		
CATTLE NE-GAIN MCAL/KG *		(1.17)	(1.29)		
CATTLE NE-LACTATION MCAL/KG *		(1.92)	(2.12)		
CHICKENS PRODUCTIVE KCAL/KG		(1188.)	(1314.)		2
CATTLE TDN %		(74.5)	(82.4)		1
SHEEP TDN % *		(75.1)	(83.1)		
SWINE TDN %		(77.0)	(85.2)		1
CALCIUM	%	(0.33)	(0.37)	48	11
CHLORINE	%	(0.21)	(0.23)		2
COBALT	MG/KG	0.084	0.093		3
COPPER	MG/KG	(45.8)	(50.7)	6	4
IRON	%	104.171	115.289	98	4
MAGNESIUM	%	0.36	0.40	41	4
MANGANESE	MG/KG	(23.1)	(25.6)	6	5
PHOSPHORUS	%	(0.71)	(0.79)	12	11
CHICKENS, CHICKS AVAILABLE	%	(0.23)	(0.26)		1
POTASSIUM	%	0.58	0.64	6	4
SALT (NACL)	%	(0.18)	(0.19)		1
SELENIUM	MG/KG	0.103	0.114		1
SODIUM	%	(0.91)	(1.01)	6	4
SULPHUR	%	(0.21)	(0.23)		2
A-TOCOPHEROL	MG/KG	(15.2)	(16.8)		1
BIOTIN	MG/KG	(0.32)	(0.35)	4	4
CHOLINE	MG/KG	(1495.)	(1654.)	4	6
FOLIC ACID	MG/KG	(0.27)	(0.30)	17	4
NIACIN	MG/KG	(70.0)	(77.5)	4	6
PANTOTHENIC ACID	MG/KG	(12.9)	(14.3)	37	19
PYRIDOXINE	MG/KG	14.9	16.5		1
RIBOFLAVIN	MG/KG	(4.2)	(4.6)	98	8
THIAMINE	MG/KG	(1.9)	(2.1)	5	5
VITAMIN B6	MG/KG	(14.55)	(16.10)		2
VITAMIN A	IU/G	(2006.4)	(2220.6)	98	5

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
VITAMIN A EQUIV	IU/G	(13.9)	(15.4)		
ARGININE	%	(1.17)	(1.29)	68	7
CYSTINE	%	(0.54)	(0.60)	92	4
GLUTAMIC ACID	%	(4.28)	(4.74)		2
GLYCINE	%	(1.34)	(1.48)		3
HISTIDINE	%	(0.89)	(0.99)	72	6
ISOLEUCINE	%	(1.53)	(1.70)	86	6
LEUCINE	%	(4.24)	(4.69)	80	4
LYSINE	%	(1.02)	(1.13)	73	8
METHIONINE	%	(0.55)	(0.61)	98	8
PHENYLALANINE	%	(1.36)	(1.51)	79	5
SERINE	%	(0.80)	(0.88)		1
THREONINE	%	(1.25)	(1.38)	75	5
TRYPTOPHAN	%	(0.26)	(0.28)	72	7
TYROSINE	%	(1.68)	(1.85)		3
VALINE	%	(1.91)	(2.11)	79	5
XANTHOPHYLL	MG/KG	33.00	36.52		2

ZEA MAYS, GLUTEN, WET MILLED, (5)

REF NO 5-10-440

DRY MATTER	%	85.7	100.0	17	13
ORGANIC MATTER	%	83.5	97.5	81	9
ASH	%	2.0	2.3	81	13
CRUDE FIBER	%	4.3	5.0	53	14
ETHER EXTRACT	%	6.2	7.2	47	14
NITROGEN FREE EXTRACT	%	47.6	55.5	22	12
PROTEIN	%	25.7	30.0	40	13
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.39	3.96		
SHEEP	DE MCAL/KG *	3.65	4.25		
CATTLE	ME MCAL/KG *	2.78	3.25		
SHEEP	ME MCAL/KG *	2.99	3.49		
CATTLE	NE-M MCAL/KG *	1.91	2.22		
CATTLE	NE-GAIN MCAL/KG *	1.24	1.45		
CATTLE	NE-LACTATION MCAL/KG *	2.04	2.38		
CATTLE	TDN % *	76.9	89.8		
SHEEP	TDN % *	82.7	96.5		
CALCIUM	%	0.14	0.18	67	5
COPPER	MG/KG	98.6	115.0		1
IRON	%	0.030	0.035		3
MAGNESIUM	%	0.02	0.03		1
PHOSPHORUS	%	0.63	0.73	80	4

ZEA MAYS, GLUTEN, WET MILLED DEHY, (5)
CORN GLUTEN MEAL (CFA)
CORN GLUTEN MEAL (AAFCO)

REF NO 5-02-900

DRY MATTER	%	87.6	100.0	7	75
ORGANIC MATTER	%	83.6	95.4	39	9
ASH	%	4.5	7.4	39	65
CRUDE FIBER	%	5.3	6.1	27	63
SHEEP DIG COEF	%	58.	58.		1
ETHER EXTRACT	%	5.9	6.7	57	18
SHEEP DIG COEF	%	93.	93.		1
NITROGEN FREE EXTRACT	%	29.1	33.2	33	13
SHEEP DIG COEF	% *	93.	93.		
PROTEIN	%	40.8	46.6	17	76
SHEEP DIG COEF	%	85.	85.		1
SHEEP DIG PROT	%	34.7	39.6		
SUGARS, TOTAL	%	32.6	37.2	10	8
FATTY ACIDS	%				
LINOLEIC	%	1.155	1.319		1
ENERGY	GE KCAL/KG	4395.	5020.		1
CATTLE	DE MCAL/KG *	3.13	3.58		
SHEEP	DE MCAL/KG *	3.40	3.88		
CATTLE	ME MCAL/KG *	2.57	2.94		
CHICKENS	ME-N KCAL/KG	2427.	2772.	53	7
SHEEP	ME MCAL/KG *	2.79	3.18		
CATTLE	NE-M MCAL/KG *	1.66	1.90		
CATTLE	NE-GAIN MCAL/KG *	1.11	1.27		
CATTLE	NE-LACTATION MCAL/KG *	(1.82)	(2.08)		
CHICKENS	PRODUCTIVE KCAL/KG	1774.	2026.		1
CATTLE	TDN % *	71.1	81.2		
SHEEP	TDN % *	77.0	88.0		
CALCIUM	%	(0.29)	(0.34)	78	16
CHLORINE	%	(0.12)	(0.13)		3
COBALT	MG/KG	(0.068)	(0.078)		1
COPPER	MG/KG	27.2	31.1		1
IRON	%	(0.024)	(0.027)		1
MAGNESIUM	%	(0.23)	(0.27)		2
MANGANESE	MG/KG	(8.6)	(9.8)	64	4
PHOSPHORUS	%	(0.67)	(0.76)	40	17
CHICKENS, CHICKS AVAILABLE	%	(0.19)	(0.22)		2
POTASSIUM	%	0.29	0.34	98	4
SALT (NACL)	%	(0.25)	(0.29)	35	5
SODIUM	%	(0.37)	(0.42)		3
A-TOCOPHEROL	MG/KG	(40.4)	(46.2)		1
BIOTIN	MG/KG	(0.18)	(0.20)		3
CHOLINE	MG/KG	(890.)	(1016.)	98	5
FOLIC ACID	MG/KG	0.37	0.42		3
NIACIN	MG/KG	(42.3)	(48.3)	30	5
PANTOTHENIC ACID	MG/KG	(9.5)	(10.9)	9	10
PYRIDOXINE	MG/KG	(7.6)	(8.7)		1
RIBOFLAVIN	MG/KG	(1.6)	(1.8)	19	6
THIAMINE	MG/KG	(0.2)	(0.2)		2
VITAMIN B6	MG/KG	(7.68)	(8.77)		2
VITAMIN A	IU/G	3909.6	4465.1		3
VITAMIN A EQUIV	IU/G	(26.1)	(29.8)		
ARGININE	%	(1.32)	(1.51)	5	7
CYSTEINE	%	(0.68)	(0.77)		1
CYSTINE	%	(0.63)	(0.71)	8	6
GLUTAMIC ACID	%	(7.97)	(9.11)		2
GLYCINE	%	(1.44)	(1.65)		6
HISTIDINE	%	(0.94)	(1.08)	4	5
ISOLEUCINE	%	(2.09)	(2.39)	5	5
LEUCINE	%	(6.91)	(7.89)	7	5
LYSINE	%	0.83	0.95	15	7
METHIONINE	%	(0.92)	(1.05)	13	7
PHENYLALANINE	%	(2.57)	(2.93)	10	5
SERINE	%	(1.45)	(1.65)		1
THREONINE	%	(1.35)	(1.54)	9	5
TRYPTOPHAN	%	(0.20)	(0.23)	6	7
TYROSINE	%	(0.96)	(1.10)		3
VALINE	%	(2.14)	(2.45)	3	5
XANTHOPHYLL	MG/KG	143.88	164.33	72	5

ZEA MAYS, CORN, BLACK

ZEA MAYS BLACK, GRAIN, (4)

REF NO 4-10-801

DRY MATTER	%	88.1	100.0	3
ORGANIC MATTER	%	86.9	98.6	3
ASH	%	1.2	1.4	3
CRUDE FIBER	%	1.8	2.0	3
ETHER EXTRACT	%	4.4	5.0	3
NITROGEN FREE EXTRACT	%	73.9	83.9	3
PROTEIN	%	6.8	7.8	3
CATTLE DIG PROT % *		2.8	3.1	
GOATS DIG PROT % *		3.8	4.3	
HORSES DIG PROT % *		3.8	4.3	
SHEEP DIG PROT % *		3.8	4.3	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.08	3.50	
SHEEP	DE MCAL/KG *	3.40	3.85	
SWINE	DE KCAL/KG *	3274.	3716.	
CATTLE	ME MCAL/KG *	2.53	2.87	
SHEEP	ME MCAL/KG *	2.78	3.16	
SWINE	ME KCAL/KG *	3092.	3510.	
CATTLE	NE-M MCAL/KG *	1.62	1.84	
CATTLE	NE-GAIN MCAL/KG *	1.08	1.22	
CATTLE	NE-LACTATION MCAL/KG *	1.78	2.02	
CATTLE	TDN % *	70.0	79.4	
SHEEP	TDN % *	77.0	87.4	
SWINE	TDN % *	74.3	84.3	
IRON	%	0.003	0.003	1
PHOSPHORUS	%	0.25	0.29	1
NIACIN	MG/KG	14.7	16.7	1
RIBOFLAVIN	MG/KG	706.4	801.8	1
THIAMINE	MG/KG	4642.2	5269.2	1
VITAMIN A EQUIV	IU/G	0.2	0.2	

ZEA MAYS, CORN, OPAQUE 2

ZEA MAYS OPAQUE 2, AERIAL PART, FRESH, 15 TO 28 DAYS' GROWTH, (2)

REF NO 2-13-505

DRY MATTER	%	100.0		
ORGANIC MATTER	%	88.0		
ASH	%	12.0	7	8
CRUDE FIBER	%	19.5	4	8
ETHER EXTRACT	%	1.8	16	8
NITROGEN FREE EXTRACT	%	47.6	4	8
PROTEIN	%	19.1	9	8
CATTLE DIG PROT % *		14.2		
GOATS DIG PROT % *		14.4		
HORSES DIG PROT % *		13.8		
RABBITS DIG PROT % *		13.4		
SHEEP DIG PROT % *		14.8		
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	2.83		
SHEEP	DE MCAL/KG *	2.87		
CATTLE	ME MCAL/KG *	2.32		
SHEEP	ME MCAL/KG *	2.35		
CATTLE	NE-M MCAL/KG *	1.39		
CATTLE	NE-GAIN MCAL/KG *	0.80		
CATTLE	NE-LACTATION MCAL/KG *	1.49		
CATTLE	TDN % *	64.1		
SHEEP	TDN % *	65.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ZEA MAYS OPAQUE 2, LEAVES, FRESH, DOUGH STAGE, (2)					
REF NO 2-13-507					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		88.1		
ASH	%		11.9	5	8
CRUDE FIBER	%		27.2	3	8
ETHER EXTRACT	%		1.1	9	8
NITROGEN FREE EXTRACT	%		48.4	2	8
PROTEIN	%		11.9	2	8
CATTLE	DIG PROT % *		7.6		
GOATS	DIG PROT % *		7.3		
HORSES	DIG PROT % *		7.3		
RABBITS	DIG PROT % *		7.5		
SHEEP	DIG PROT % *		7.7		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		2.68		
SHEEP	DE MCAL/KG *		2.60		
CATTLE	ME MCAL/KG *		2.20		
SHEEP	ME MCAL/KG *		2.13		
CATTLE	NE-M MCAL/KG *		1.30		
CATTLE	NE-GAIN MCAL/KG *		0.68		
CATTLE	NE-LACTATION MCAL/KG *		1.38		
CATTLE	TDN % *		60.8		
SHEEP	TDN % *		59.0		
ZEA MAYS OPAQUE 2, STALKS, FRESH, DOUGH STAGE, (2)					
REF NO 2-13-506					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.9		
ASH	%		7.1	14	8
CRUDE FIBER	%		35.8	4	8
ETHER EXTRACT	%		0.5	68	8
NITROGEN FREE EXTRACT	%		50.9	4	8
PROTEIN	%		5.7	5	8
CATTLE	DIG PROT % *		2.7		
GOATS	DIG PROT % *		1.9		
HORSES	DIG PROT % *		2.4		
RABBITS	DIG PROT % *		3.1		
SHEEP	DIG PROT % *		2.3		
ENERGY	GE KCAL/KG				
SHEEP	DE MCAL/KG *		2.40		
SHEEP	ME MCAL/KG *		1.97		
SHEEP	TDN % *		54.4		
ZEA MAYS OPAQUE 2, EARS, FRESH, DOUGH STAGE, (4)					
REF NO 4-13-510					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		97.5		
ASH	%		2.5	19	8
CRUDE FIBER	%		17.8	9	8
ETHER EXTRACT	%		1.1	16	8
NITROGEN FREE EXTRACT	%		69.1	2	8
PROTEIN	%		9.5	6	8
CATTLE	DIG PROT % *		4.8		
GOATS	DIG PROT % *		6.0		
HORSES	DIG PROT % *		6.0		
SHEEP	DIG PROT % *		6.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *		3.11		
SHEEP	DE MCAL/KG *		3.46		
SWINE	DE KCAL/KG *		3147.		
CATTLE	ME MCAL/KG *		2.55		
SHEEP	ME MCAL/KG *		2.83		
SWINE	ME KCAL/KG *		2961.		
CATTLE	NE-M MCAL/KG *		1.56		
CATTLE	NE-GAIN MCAL/KG *		0.99		
CATTLE	NE-LACTATION MCAL/KG *		1.71		
CATTLE	TDN % *		70.5		
SHEEP	TDN % *		78.4		
SWINE	TDN % *		71.4		
ZEA MAYS OPAQUE 2, GRAIN, (4)					
REF NO 4-11-445					
DRY MATTER	%	86.3	100.0	6	33
ORGANIC MATTER	%	84.4	97.8	41	23
ASH	%	1.7	2.0	41	54
CRUDE FIBER	%	2.5	2.9	30	54
ETHER EXTRACT	%	4.4	5.1	16	54
NITROGEN FREE EXTRACT	%	68.0	78.8	3	52
PROTEIN	%	9.7	11.2	13	58
CATTLE	DIG PROT % *	5.5	6.3		
GOATS	DIG PROT % *	6.5	7.5		
HORSES	DIG PROT % *	6.5	7.5		
SHEEP	DIG PROT % *	6.5	7.5		
ENERGY	GE KCAL/KG				
CATTLE	DE KCAL/KG *	3.11	3.61		
SHEEP	DE KCAL/KG *	3.28	3.80		
SWINE	DE KCAL/KG *	3235.	3748.		
CATTLE	ME MCAL/KG *	2.55	2.96		
SHEEP	ME MCAL/KG *	2.69	3.12		
SWINE	ME KCAL/KG *	3032.	3513.		
CATTLE	NE-M MCAL/KG *	1.66	1.92		
CATTLE	NE-GAIN MCAL/KG *	1.11	1.28		
CATTLE	NE-LACTATION MCAL/KG *	1.81	2.10		
CATTLE	TDN % *	70.6	81.8		
SHEEP	TDN % *	74.4	86.2		
SWINE	TDN % *	73.4	85.0		
CALCIUM	%	0.12	0.14	91	4
PHOSPHORUS	%	0.27	0.31	13	4
ALANINE	%	0.58	0.67	27	11
ARGININE	%	0.68	0.79	45	9
ASPARTIC ACID	%	0.94	1.09	36	7
CYSTINE	%	0.18	0.21	55	6
GLUTAMIC ACID	%	1.45	1.68	24	7
GLYCINE	%	0.47	0.54	39	11
HISTIDINE	%	0.24	0.27	26	9
ISOLEUCINE	%	0.22	0.26	26	11
LEUCINE	%	0.62	0.72	26	11
LYSINE	%	0.36	0.42	18	11
METHIONINE	%	0.12	0.13	50	9
PHENYLALANINE	%	0.35	0.41	34	10
PROLINE	%	0.45	0.52	54	4
SERINE	%	0.41	0.47	24	9
THREONINE	%	0.31	0.36	28	10
TRYPTOPHAN	%	0.06	0.07	25	9
TYROSINE	%	0.27	0.31	33	10
VALINE	%	0.42	0.49	35	11
ZEA MAYS, CORN, WHITE					
ZEA MAYS WHITE, EARS, COOKED, (4)					
REF NO 4-13-511					
DRY MATTER	%	29.0	100.0		1
ORGANIC MATTER	%	28.2	97.2		
ASH	%	0.8	2.8		1
CRUDE FIBER	%	0.6	2.1		1
ETHER EXTRACT	%	1.0	3.4		1
NITROGEN FREE EXTRACT	%	24.0	82.8		
PROTEIN	%	2.6	9.0		1
CATTLE	DIG PROT % *	1.2	4.3		
GOATS	DIG PROT % *	1.6	5.5		
HORSES	DIG PROT % *	1.6	5.5		
SHEEP	DIG PROT % *	1.6	5.5		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	0.98	3.40		
SHEEP	DE MCAL/KG *	1.10	3.80		
SWINE	DE KCAL/KG *	1084.	3737.		
CATTLE	ME MCAL/KG *	0.81	2.78		
SHEEP	ME MCAL/KG *	0.90	3.12		
SWINE	ME KCAL/KG *	1021.	3520.		
CATTLE	NE-M MCAL/KG *	0.51	1.76		
CATTLE	NE-GAIN MCAL/KG *	0.34	1.16		
CATTLE	NE-LACTATION MCAL/KG *	0.56	1.94		
CATTLE	TDN % *	22.3	77.0		
SHEEP	TDN % *	25.0	86.2		
SWINE	TDN % *	24.6	84.8		
CALCIUM	%	0.01	0.03		1
IRON	%	0.001	0.003		1
PHOSPHORUS	%	0.11	0.38		1
ASCORBIC ACID	MG/KG	45.5	156.9		1
NIACIN	MG/KG	10.5	36.2		1
RIBOFLAVIN	MG/KG	0.9	3.1		1
THIAMINE	MG/KG	1.0	3.4		1
ZEA MAYS WHITE, GRAIN, (4)					
REF NO 4-09-907					
DRY MATTER	%	88.3	100.0	2	8
ORGANIC MATTER	%	87.0	98.5	24	4
ASH	%	1.5	1.7	24	11
CRUDE FIBER	%	2.9	3.2	81	11
ETHER EXTRACT	%	4.1	4.7	40	11
NITROGEN FREE EXTRACT	%	70.4	79.7	5	10
PROTEIN	%	9.4	10.7	11	12
CATTLE	DIG PROT % *	5.2	5.8		
GOATS	DIG PROT % *	6.2	7.0		
HORSES	DIG PROT % *	6.2	7.0		
SHEEP	DIG PROT % *	6.2	7.0		
ENERGY	GE KCAL/KG				
CATTLE	DE MCAL/KG *	3.17	3.59		
SHEEP	DE MCAL/KG *	3.35	3.80		
SWINE	DE KCAL/KG *	3314.	3752.		
CATTLE	ME MCAL/KG *	2.60	2.94		
SHEEP	ME MCAL/KG *	2.75	3.11		
SWINE	ME KCAL/KG *	3169.	3521.		
CATTLE	NE-M MCAL/KG *	1.66	1.90		
CATTLE	NE-GAIN MCAL/KG *	1.12	1.27		
CATTLE	NE-LACTATION MCAL/KG *	1.64	2.09		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
CATTLE	TDN % *	71.9	81.4		
SHEEP	TDN % *	76.1	86.1		
SWINE	TDN % *	75.2	85.1		
CALCIUM	%	0.01	0.01		3
IRON	%	0.005	0.006	77	4
PHOSPHORUS	%	0.27	0.31	17	4
NIACIN	MG/KG	18.6	21.1	8	4
RIBOFLAVIN	MG/KG	450.7	510.3	98	4
THIAMINE	MG/KG	3208.7	3633.4	70	4
VITAMIN A EQUIV	IU/G	0.3	0.3		
LYSINE	%	0.29	0.33		1

ZEA MAYS WHITE, GRAIN, GRND, (4)
CORN, WHITE, MEAL

REF NO 4-02-979

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.7	100.0		3
ORGANIC MATTER	%	(88.8)	(99.0)		2
ASH	%	(1.1)	(1.2)		3
CRUDE FIBER	%	(1.6)	(1.8)		2
ETHER EXTRACT	%	(2.9)	(3.2)		2
NITROGEN FREE EXTRACT	%	(77.3)	(82.2)		2
PROTEIN	%	(6.9)	(7.7)		3
CATTLE DIG PROT	% *	(2.7)	(3.1)		
GOATS DIG PROT	% *	(3.8)	(4.3)		
HORSES DIG PROT	% *	(3.8)	(4.3)		
SHEEP DIG PROT	% *	(3.8)	(4.3)		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	(3.19)	(3.55)		
SHEEP DE	MCAL/KG *	(3.47)	(3.87)		
SWINE DE	KCAL/KG *	(3402.)	(3791.)		
CATTLE ME	MCAL/KG *	(2.61)	(2.91)		
SHEEP ME	MCAL/KG *	(2.85)	(3.18)		
SWINE ME	KCAL/KG *	(3213.)	(3581.)		
CATTLE NE-M	MCAL/KG *	(1.69)	(1.88)		
CATTLE NE-GAIN	MCAL/KG *	(1.12)	(1.25)		
CATTLE NE-LACTATION	MCAL/KG *	(1.85)	(2.06)		
CATTLE	TDN % *	(72.3)	(80.6)		
SHEEP	TDN % *	(78.8)	(87.8)		
SWINE	TDN % *	77.2	86.0		

ZEA MAYS WHITE, GRAIN, TREATED W CALCIUM
HYDROXIDE, (4)

REF NO 4-13-502

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.6	100.0		1
ORGANIC MATTER	%	88.1	98.3		
ASH	%	1.5	1.7		1
CRUDE FIBER	%	1.5	1.7		1
ETHER EXTRACT	%	3.9	4.4		1
NITROGEN FREE EXTRACT	%	76.3	85.2		
PROTEIN	%	6.4	7.1		1
CATTLE DIG PROT	% *	2.3	2.6		
GOATS DIG PROT	% *	3.4	3.8		
HORSES DIG PROT	% *	3.4	3.8		
SHEEP DIG PROT	% *	3.4	3.8		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.08	3.44		
SHEEP DE	MCAL/KG *	3.45	3.86		
SWINE DE	KCAL/KG *	3332.	3719.		
CATTLE ME	MCAL/KG *	2.53	2.82		
SHEEP ME	MCAL/KG *	2.83	3.16		
SWINE ME	KCAL/KG *	3151.	3517.		
CATTLE NE-M	MCAL/KG *	1.60	1.79		
CATTLE NE-GAIN	MCAL/KG *	1.07	1.19		
CATTLE NE-LACTATION	MCAL/KG *	1.77	1.97		
CATTLE	TDN % *	69.9	78.0		
SHEEP	TDN % *	78.3	87.4		
SWINE	TDN % *	75.6	84.4		
CALCIUM	%	0.05	0.06		1
IRON	%	0.005	0.006		1
PHOSPHORUS	%	0.27	0.30		1
NIACIN	MG/KG	18.7	20.9		1
RIBOFLAVIN	MG/KG	0.4	0.4		1
THIAMINE	MG/KG	1.8	2.0		1

ZEA MAYS WHITE, BLRN, HECM EXTD GRND, (5)

REF NO 5-13-513

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	89.1	100.0		1
ORGANIC MATTER	%	82.8	92.9		
ASH	%	6.3	7.1		1
CRUDE FIBER	%	17.1	19.2		1
ETHER EXTRACT	%	9.7	10.9		1
NITROGEN FREE EXTRACT	%	17.7	19.9		1
PROTEIN	%	38.3	43.0		1
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.19	3.58		
SHEEP DE	MCAL/KG *	3.13	3.52		
CATTLE ME	MCAL/KG *	2.61	2.93		
SHEEP ME	MCAL/KG *	2.57	2.88		
CATTLE NE-M	MCAL/KG *	1.69	1.90		
CATTLE NE-GAIN	MCAL/KG *	1.13	1.26		
CATTLE NE-LACTATION	MCAL/KG *	1.85	2.08		
CATTLE	TDN % *	72.3	81.1		
SHEEP	TDN % *	71.0	79.7		
CALCIUM	%	0.48	0.54		1

ZEA MAYS, CORN, YELLOW

ZEA MAYS YELLOW, AERIAL PART, FRESH, (2)

REF NO 2-13-302

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%		100.0		
ORGANIC MATTER	%		92.2		
ASH	%		7.8		1
CRUDE FIBER	%		18.2		1
ETHER EXTRACT	%		2.5		1
NITROGEN FREE EXTRACT	%		63.3		1
PROTEIN	%		8.1		1
CATTLE DIG PROT	% *		4.8		
GOATS DIG PROT	% *		4.1		
HORSES DIG PROT	% *		4.4		
RABBITS DIG PROT	% *		4.9		
SHEEP DIG PROT	% *		4.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *		3.69		
SHEEP DE	MCAL/KG *		3.09		
CATTLE ME	MCAL/KG *		3.02		
SHEEP ME	MCAL/KG *		2.54		
CATTLE NE-M	MCAL/KG *		1.98		
CATTLE NE-GAIN	MCAL/KG *		1.32		
CATTLE NE-LACTATION	MCAL/KG *		2.16		
CATTLE	TDN % *		83.6		
SHEEP	TDN % *		70.1		
CALCIUM	%		0.55		1
PHOSPHORUS	%		0.20		1

ZEA MAYS YELLOW, AERIAL PART, FRESH, 99 TO 112
DAYS' GROWTH, (2)

REF NO 2-13-005

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	33.9	100.0		2
ORGANIC MATTER	%	31.3	92.3		
ASH	%	2.6	7.7		2
CRUDE FIBER	%	11.1	32.7		2
ETHER EXTRACT	%	0.4	1.1		2
NITROGEN FREE EXTRACT	%	17.1	50.3		2
PROTEIN	%	2.8	8.2		2
CATTLE DIG PROT	% *	1.6	4.9		
GOATS DIG PROT	% *	1.4	4.2		
HORSES DIG PROT	% *	1.5	4.5		
RABBITS DIG PROT	% *	1.7	5.0		
SHEEP DIG PROT	% *	1.6	4.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.85	2.50		
SHEEP DE	MCAL/KG *	0.86	2.54		
CATTLE ME	MCAL/KG *	0.70	2.05		
SHEEP ME	MCAL/KG *	0.71	2.08		
CATTLE NE-M	MCAL/KG *	0.41	1.21		
CATTLE NE-GAIN	MCAL/KG *	0.18	0.54		
CATTLE NE-LACTATION	MCAL/KG *	0.42	1.24		
CATTLE	TDN % *	19.2	56.8		
SHEEP	TDN % *	19.5	57.6		

ZEA MAYS YELLOW, AERIAL PART, FRESH, DOUGH
STAGE, (2)

REF NO 2-13-306

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
DRY MATTER	%	31.3	100.0		1
ORGANIC MATTER	%	28.4	90.7		
ASH	%	2.9	9.3		1
CRUDE FIBER	%	8.9	28.4		1
ETHER EXTRACT	%	0.4	1.4		1
NITROGEN FREE EXTRACT	%	16.0	51.0		1
PROTEIN	%	3.1	9.9		1
CATTLE DIG PROT	% *	2.0	6.3		
GOATS DIG PROT	% *	1.8	5.8		
HORSES DIG PROT	% *	1.9	6.0		
RABBITS DIG PROT	% *	2.0	6.3		
SHEEP DIG PROT	% *	2.0	6.2		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	0.83	2.64		
SHEEP DE	MCAL/KG *	0.83	2.65		
CATTLE ME	MCAL/KG *	0.68	2.16		
SHEEP ME	MCAL/KG *	0.68	2.17		
CATTLE NE-M	MCAL/KG *	0.40	1.28		
CATTLE NE-GAIN	MCAL/KG *	0.20	0.65		
CATTLE NE-LACTATION	MCAL/KG *	0.42	1.35		
CATTLE	TDN % *	18.7	59.8		
SHEEP	TDN % *	18.8	60.1		

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ZEA MAYS YELLOW, GRAIN, (4)					
REF NO 4-07-911					
DRY MATTER	%	88.2	100.0	1	37
ORGANIC MATTER	%	86.9	98.5	37	21
ASH	%	1.5	1.7	37	46
CRUDE FIBER	%	2.3	2.6	36	47
ETHER EXTRACT	%	4.2	4.8	25	47
NITROGEN FREE EXTRACT	%	71.2	80.7	4	45
PROTEIN	%	9.0	10.2	14	49
CATTLE DIG PROT	% *	4.7	5.4		
GOATS DIG PROT	% *	5.8	6.6		
HORSES DIG PROT	% *	5.8	6.6		
SHEEP DIG PROT	% *	5.8	6.6		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.16	3.58		
SHEEP DE	MCAL/KG *	3.37	3.82		
SWINE DE	KCAL/KG *	3307.	3748.		
CATTLE ME	MCAL/KG *	2.59	2.93		
SHEEP ME	MCAL/KG *	2.76	3.13		
SWINE ME	KCAL/KG *	3107.	3521.		
CATTLE NE-M	MCAL/KG *	1.67	1.90		
CATTLE NE-GAIN	MCAL/KG *	1.12	1.26		
CATTLE NE-LACTATION	MCAL/KG *	1.83	2.08		
CATTLE TDN	% *	71.6	81.1		
SHEEP TDN	% *	76.4	86.6		
SWINE TDN	% *	75.0	85.0		
CALCIUM	%	0.05	0.06	98	17
COPPER	MG/KG	53.8	61.0		2
IRON	%	0.004	0.004	69	14
MAGNESIUM	%	0.09	0.11		2
MANGANESE	MG/KG	4.4	5.0		2
PHOSPHORUS	%	0.30	0.34	36	17
POTASSIUM	%	0.44	0.50		1
SODIUM	%	0.11	0.12		1
ASCORBIC ACID	MG/KG	3.0	3.4		2
NIACIN	MG/KG	19.5	22.1	23	12
RIBOFLAVIN	MG/KG	790.4	895.8	82	12
THIAMINE	MG/KG	3211.9	3639.9	78	12
VITAMIN A	IU/G	1127.2	1277.4		2
VITAMIN A EQUIV	IU/G	6.1	6.9		
ALANINE	%	0.65	0.74	50	5
ARGININE	%	0.33	0.37	33	6
ASPARTIC ACID	%	0.57	0.64	46	4
CYSTINE	%	0.08	0.09	34	6
GLUTAMIC ACID	%	1.54	1.73	11	4
GLYCINE	%	0.36	0.41	30	5
HISTIDINE	%	0.18	0.21	32	6
ISOLEUCINE	%	0.26	0.29	40	6
LEUCINE	%	0.73	0.83	24	6
LYSINE	%	0.20	0.22	40	6
METHIONINE	%	0.14	0.16	47	6
PHENYLALANINE	%	0.36	0.40	31	6
PROLINE	%	0.33	0.37		2
SERINE	%	0.37	0.41	39	5
THREONINE	%	0.28	0.31	41	6
TRYPTOPHAN	%	0.06	0.07	42	6
TYROSINE	%	0.30	0.34	28	5
VALINE	%	(0.34)	(0.39)	38	6

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ZEA MAYS YELLOW, GRAIN, GROUND, (4)					
REF NO 4-02-992					
DRY MATTER	%	(89.3)	(100.0)	3	9
ORGANIC MATTER	%	88.3	98.9	38	5
ASH	%	1.3	1.5	38	10
CRUDE FIBER	%	2.2	2.4	34	10
ETHER EXTRACT	%	3.9	4.4	41	10
NITROGEN FREE EXTRACT	%	72.4	81.2	4	10
PROTEIN	%	9.4	10.5	11	12
CATTLE DIG PROT	% *	5.0	5.7		
GOATS DIG PROT	% *	6.1	6.9		
HORSES DIG PROT	% *	6.1	6.9		
SHEEP DIG PROT	% *	6.1	6.9		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.23	3.61		
SHEEP DE	MCAL/KG *	3.42	3.83		
SWINE DE	KCAL/KG *	3360.	3764.		
CATTLE ME	MCAL/KG *	2.65	2.96		
SHEEP ME	MCAL/KG *	2.81	3.14		
SWINE ME	KCAL/KG *	3154.	3534.		
CATTLE NE-M	MCAL/KG *	1.72	1.93		
CATTLE NE-GAIN	MCAL/KG *	1.15	1.28		
CATTLE NE-LACTATION	MCAL/KG *	1.88	2.11		
CATTLE TDN	% *	73.2	82.0		
SHEEP TDN	% *	77.6	86.9		
SWINE TDN	% *	76.2	85.4		
CALCIUM	%	0.04	0.04		2
IRON	%	0.007	0.007		2
PHOSPHORUS	%	0.20	0.22		2
LYSINE	%	0.33	0.37		2
METHIONINE	%	0.17	0.20		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV	NO
ZEA MAYS, ANIMAL, CORN-ANIMAL					
ZEA MAYS, ANIMAL, GRAIN W BLOOD MEAL ADDED, DENT GROUND, 50% CORN, (4)					
REF NO 4-13-514					
DRY MATTER	%		100.0		
ORGANIC MATTER	%		94.5		
ASH	%		5.5		1
CRUDE FIBER	%		3.8		1
ETHER EXTRACT	%		1.3		1
NITROGEN FREE EXTRACT	%		64.8		1
PROTEIN	%		24.6		1
CATTLE DIG PROT	% *		18.6		
GOATS DIG PROT	% *		19.8		
HORSES DIG PROT	% *		19.8		
SHEEP DIG PROT	% *		19.6		
ENERGY GE	KCAL/KG				
SHEEP DE	MCAL/KG *		3.69		
SHEEP ME	MCAL/KG *		3.02		
SHEEP TDN	% *		(83.6)		
ZEA MAYS, INDENTATA, CORN, DENT WHITE					
ZEA MAYS, INDENTATA DENT WHITE, GRAIN, (4)					
REF NO 4-02-928					
DRY MATTER	%	(87.5)	(100.0)		6
CALCIUM	%	(0.04)	(0.04)		1
COBALT	MG/KG	(0.027)	(0.031)		1
COPPER	MG/KG	(2.6)	(3.0)		1
IRON	%	(0.003)	(0.003)		1
MANGANESE	MG/KG	(3.9)	(4.4)		1
PHOSPHORUS	%	(0.26)	(0.30)		1
ZINC	%	(10.7)	(12.2)		1
BIOTIN	MG/KG	(0.03)	(0.03)		1
NIACIN	MG/KG	(6.8)	(7.8)		1
PANTOTHENIC ACID	MG/KG	(1.8)	(2.0)		1
RIBOFLAVIN	MG/KG	(0.6)	(0.7)		1
THIAMINE	MG/KG	(2.0)	(2.3)		1
VITAMIN A EQUIV	IU/G	(0.3)	(0.3)		
ARGININE	%	(0.26)	(0.30)		1
CYSTINE	%	(0.09)	(0.10)		1
HISTIDINE	%	(0.18)	(0.20)		1
ISOLEUCINE	%	(0.44)	(0.50)		1
LEUCINE	%	(0.88)	(1.00)		1
LYSINE	%	(0.26)	(0.30)		1
METHIONINE	%	(0.09)	(0.10)		1
PHENYLALANINE	%	(0.35)	(0.40)		1
THREONINE	%	(0.35)	(0.40)		1
TRYPTOPHAN	%	(0.09)	(0.10)		1
TYROSINE	%	(0.44)	(0.50)		1
VALINE	%	(0.35)	(0.40)		1
ZEA MAYS, INDENTATA, CORN, DENT YELLOW					
ZEA MAYS, INDENTATA DENT YELLOW, GRAIN, (4)					
REF NO 4-02-935					
DRY MATTER	%	(87.0)	(100.0)	1	5
ORGANIC MATTER	%	85.6	98.3		
ASH	%	1.5	1.7		1
CRUDE FIBER	%	2.9	3.3		1
ETHER EXTRACT	%	3.5	4.0		1
NITROGEN FREE EXTRACT	%	70.4	80.9		
PROTEIN	%	8.8	10.1		1
CATTLE DIG PROT	% *	4.6	5.3		
GOATS DIG PROT	% *	5.7	6.5		
HORSES DIG PROT	% *	5.7	6.5		
SHEEP DIG PROT	% *	5.7	6.5		
ENERGY GE	KCAL/KG				
CATTLE DE	MCAL/KG *	3.08	3.54		
SHEEP DE	MCAL/KG *	3.30	3.80		
SWINE DE	KCAL/KG *	3489.	4008.		
CATTLE ME	MCAL/KG *	2.53	2.91		
CHICKENS ME-M	KCAL/KG	3329.	3825.		1
SHEEP ME	MCAL/KG *	2.71	3.11		
SWINE ME	KCAL/KG	2849.	3273.		1
CATTLE NE-M	MCAL/KG *	1.63	1.87		
CATTLE NE-GAIN	MCAL/KG *	1.09	1.25		
CATTLE NE-LACTATION	MCAL/KG *	(1.79)	(2.05)		
CHICKENS PRODUCTIVE	KCAL/KG	2394.	2750.		1
CATTLE TDN	% *	69.9	80.4		
SHEEP TDN	% *	75.0	86.1		
SWINE TDN	%	(79.1)	(90.9)		1
CALCIUM	%	(0.01)	(0.01)		1
COPPER	MG/KG	(3.4)	(3.9)		1
MAGNESIUM	%	(0.15)	(0.17)		1
MANGANESE	MG/KG	(4.1)	(4.7)		1
PHOSPHORUS	%	(0.25)	(0.28)		1
POTASSIUM	%	(0.33)	(0.38)		1
SELENIUM	MG/KG	(0.074)	(0.085)		1
ZINC	MG/KG	(10.3)	(11.6)		1
A-TOCOPHEROL	MG/KG	(23.2)	(26.7)		1

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
BIOTIN	MG/KG	(0.08)	(0.09)	1
CHOLINE	MG/KG	(435.)	(500.)	1
FOLIC ACID	MG/KG	(0.37)	(0.43)	1
NIACIN	MG/KG	(21.3)	(24.4)	1
PANTOTHENIC ACID	MG/KG	(5.6)	(6.5)	1
RIBOFLAVIN	MG/KG	(1.1)	(1.3)	1
THIAMINE	MG/KG	(3.7)	(4.2)	1
VITAMIN A	IU/G	(2.2)	(2.5)	1
ARGININE	%	(0.47)	(0.55)	2
CYSTINE	%	(0.11)	(0.12)	2
GLUTAMIC ACID	%	(2.87)	(3.30)	1
GLYCINE	%	(0.38)	(0.44)	2
HISTIDINE	%	(0.18)	(0.21)	2
ISOLEUCINE	%	(0.40)	(0.46)	2
LEUCINE	%	(0.96)	(1.10)	1
LYSINE	%	(0.20)	(0.23)	2
METHIONINE	%	(0.17)	(0.20)	2
PHENYLALANINE	%	(0.44)	(0.50)	2
THREONINE	%	(0.34)	(0.39)	2
TRYPTOPHAN	%	(0.09)	(0.10)	2
TYROSINE	%	(0.52)	(0.60)	1
VALINE	%	0.43	0.49	2

ZEA MAYS, INDURATA, CORN, FLINT

ZEA MAYS, INDURATA FLINT, GRAIN, (4)

REF NO 4-02-948

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	85.0	100.0	1
ORGANIC MATTER	%	83.7	98.5	
ASH	%	1.3	1.5	2
CRUDE FIBER	%	1.8	2.1	2
ETHER EXTRACT	%	3.6	4.2	2
NITROGEN FREE EXTRACT	%	68.3	80.4	2
PROTEIN	%	10.1	11.8	2
CATTLE	DIG PROT % *	5.9	6.9	
GOATS	DIG PROT % *	6.9	8.1	
HORSES	DIG PROT % *	6.9	8.1	
SHEEP	DIG PROT % *	6.9	8.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	3.14	3.69	
SHEEP	DE MCAL/KG *	3.27	3.84	
SWINE	DE KCAL/KG *	3214.	3781.	
CATTLE	ME MCAL/KG *	2.57	3.02	
SHEEP	ME MCAL/KG *	2.68	3.15	
SWINE	ME KCAL/KG *	3009.	3540.	
CATTLE	NE-M MCAL/KG *	1.69	1.99	
CATTLE	NE-GAIN MCAL/KG *	1.12	1.32	
CATTLE	NE-LACTATION MCAL/KG *	1.84	2.17	
CATTLE	TDN % *	71.1	83.7	
SHEEP	TDN % *	74.1	87.2	
SWINE	TDN % *	72.9	85.8	

ZEA MAYS, SOLANUM TUBEROSUM, CORN-POTATOES

ZEA MAYS, SOLANUM TUBEROSUM, AERIAL PART W ROOTS, ENSILED, (3)

REF NO 3-13-770

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	43.5	100.0	1
ORGANIC MATTER	%	40.6	93.3	
ASH	%	2.9	6.7	1
CRUDE FIBER	%	4.1	9.4	1
ETHER EXTRACT	%	0.2	0.5	1
NITROGEN FREE EXTRACT	%	34.7	79.8	1
PROTEIN	%	1.6	3.7	1
CATTLE	DIG PROT % *	-0.2	-0.4	
GOATS	DIG PROT % *	-0.2	-0.4	
HORSES	DIG PROT % *	-0.2	-0.4	
SHEEP	DIG PROT % *	-0.2	-0.4	

ZEA MAYS, SORGHUM VULGARE, CORN-SORGHUM

ZEA MAYS, SORGHUM VULGARE, AERIAL PART, ENSILED, (3)

REF NO 3-08-411

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%	34.3	100.0	2
ORGANIC MATTER	%	30.5	89.0	2
ASH	%	3.8	11.0	2
CRUDE FIBER	%	10.4	30.5	2
ETHER EXTRACT	%	0.9	2.7	2
NITROGEN FREE EXTRACT	%	17.4	50.6	2
PROTEIN	%	1.8	5.2	2
CATTLE	DIG PROT % *	0.3	0.9	
GOATS	DIG PROT % *	0.3	0.9	
HORSES	DIG PROT % *	0.3	0.9	
SHEEP	DIG PROT % *	0.3	0.9	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *	0.85	2.49	
CATTLE	ME MCAL/KG *	0.70	2.04	
CATTLE	NE-M MCAL/KG *	0.41	1.20	
CATTLE	NE-GAIN MCAL/KG *	0.18	0.53	
CATTLE	NE-LACTATION MCAL/KG *	0.42	1.23	
CATTLE	TDN % *	19.4	56.5	

ZINNIA ACEROSA

ZINNIA ACEROSA ACEROSA, AERIAL PART, FRESH, (2)

REF NO 2-13-769

NAME OR NUTRIENT	UNIT	AS FED	DRY	CV NO
DRY MATTER	%		100.0	
ORGANIC MATTER	%		88.7	
ASH	%		11.3	1
CRUDE FIBER	%		25.5	1
ETHER EXTRACT	%		4.7	1
NITROGEN FREE EXTRACT	%		48.3	1
PROTEIN	%		9.8	1
CATTLE	DIG PROT % *		6.2	
GOATS	DIG PROT % *		5.7	
HORSES	DIG PROT % *		5.9	
RABBITS	DIG PROT % *		6.2	
SHEEP	DIG PROT % *		6.1	
ENERGY	GE KCAL/KG			
CATTLE	DE MCAL/KG *		3.36	
SHEEP	DE MCAL/KG *		2.66	
CATTLE	ME MCAL/KG *		2.76	
SHEEP	ME MCAL/KG *		2.18	
CATTLE	NE-M MCAL/KG *		1.73	
CATTLE	NE-GAIN MCAL/KG *		1.15	
CATTLE	NE-LACTATION MCAL/KG *		1.91	
CATTLE	TDN % *		76.3	
SHEEP	TDN % *		60.4	

GLOSSARY 1 Terms used in the International nomenclature*

The "part" and "process" terms defined below are used in the International feed names (Harris *et al.*, 1968). The terms defined describe: (1) the part(s) of parent feed material eaten, (2) the process(es) and treatment(s) to which the product has been subjected before feeding to the animal, (3) the physical form of the part as a single ingredient or of a mixture of parts prepared for feeding, and (4) other relevant miscellaneous terms.

acid hydrolyzed (process) See **hydrolyzed.**

acidified (process) Addition of an acid to provide a pH lower than pH 7. Sometimes a precipitate forms which may be removed by mechanical means (i.e., curd from whey).

additive An ingredient or combination of ingredients added, usually in minute quantities, to the basic feed mix or parts thereof to fulfill a specific need. See **feed additive concentrate, feed additive supplement, feed additive premix, food additive.**

aerial part (part) The above ground part of a plant.

air ashed (process) Reduced by combustion in air to a mineral residue.

AIV preservative (part) A preservative for silage consisting of a mixture of hydrochloric and sulfuric acids.

alcohol extracted (process) Treated with alcohol to remove all alcohol-soluble substances.

ammoniated (process) Combined or impregnated with ammonia or an ammonium compound.

antibiotic A drug synthesized by a microorganism and having the power (in proper concentration) to inhibit the growth of other microorganisms.

apparent digestible energy (DE) Food-intake gross energy minus fecal energy. Syn: **apparent absorbed energy, energy of apparently digested food.** See **GE digestion coefficient.**

DE = (GE of food per unit dry wt x dry wt of food) − (GE of feces per unit dry wt x dry wt of feces)

artificially dried (process) Moisture removed by other than natural means. See **fan air dried with heat** (International term).

as fed See **dry matter content of feed samples.**

ash (part) Mineral residue remaining after the burning of combustible substances.

aspirated (process) Removal of light materials from heavier materials by use of air. Refers to chaff, dust, or other light materials.

autoclaved (process) Cooked under pressure in an autoclave.

bagasse (part) Pulp from sugar cane. International term: **pulp.**

balanced Containing nutrients in amounts and proportions that fulfill physiological needs of animals as specified by recognized authorities in animal nutrition. The species for which the feed or ration is intended, and its functions, such as maintenance or maintenance plus production (growth, fetus, fat, milk, eggs, wool, feathers, or work) shall be specified.

barn-cured (process) Dried with forced ventilation in an enclosure. Refers to forage. See **fan air dried without heat** (International term).

beans (part) Seeds of leguminous plants especially of the genera *Phaseolus, Dolichols,* and *Vigna.*

biscuits (physical form) Shaped and baked dough.

bisulfite preservative (part) An acid sulfite used to prevent decomposition of stored products.

bitterness extracted (process) Treated to remove bitter taste.

blended (process) Mingled or combined. Refers to ingredients of a mixed feed; does not imply uniformity of dispersion.

block (physical form) Agglomerated feed compressed into a solid mass (usually weighing 30 to 50 pounds) cohesive enough to hold its form. See **brick, pellets.**

blocked (process) Compressed into a large, solid mass.

*Taken from Harris *et al.*, 1968.

blood albumin (part) One of the blood proteins.

blowings (part) See **mill dust** (International term).

bolls (part) The pods or capsules of certain plants (e.g., flax and cotton).

bolls process residue (part) The residue from immature and unopened cotton bolls after removal of fiber and seed.

bolted (process) Separated from parent material by means of a bolting cloth. Refers to two ingredients (e.g., bran separated from flour).

bone ash (part) The white, porous residue that remains after burning bones in air.

bone charcoal (part) The product obtained by charring bones in a closed retort.

bone glue residue (part) Part of bone remaining (chiefly calcium phosphate) after removal of the part used in manufacturing bone glue.

bone phosphate (part) The residue of bones that have been treated first in caustic solution, then in hydrochloric acid solution, and thereafter precipitated with lime and dried.

bone protein colloids (part) The gelatinous material extracted from bones by moist heat treatment.

bran (part) Pericarp of grain.

brand name Defined by the Association of American Feed Control Officials as "any word, name, symbol or device, or any combination thereof, identifying the commercial feed of a distributor and distinguishing it from that of others."

brewers' grains (part) The coarse, insoluble residue from brewed malt.

brick (physical form) Agglomerated feed compressed into a solid mass (weighing less than 2 pounds) cohesive enough to hold its form. **See block, pellets.**

browse (part) Small stems, leaves, flowers, and fruits of shrubs, trees, or woody vines.

bud (part) Small lateral or terminal protuberance on a plant stem. It consists of rudimentary foliage or floral levels or both overarching a growing point on an undeveloped shoot.

bulb (part) Mass of overlapping membranous or fleshy leaves on a short stem-base enclosing one or more buds that may develop into a new plant.

cake (physical form) The mass that results from pressing seeds, meat, or fish to remove oils, fats, or other liquids.

calcined (process) Heated to high temperature in the presence of air.

calorie (cal) The unit for measuring chemical energy. It is defined as the amount of heat required to raise the temperature of 1 gram of water from 14.5° to 15.5° C at standard pressure. One thousand calories is designated as 1 kilocalorie (kcal) (kilocalorie is preferred to Calorie spelled with a large "C" because of the confusion with a small calorie spelled with a small "c"), 1 million calories as 1 megacalorie (Mcal). One calorie is equivalent to 4.184 joules (J), which is the unit of electrical energy defined as 10^7 ergs or, practically, the energy expended in 1 second by an electric current of 1 ampere in a resistance of 1 ohm. The standard calorie used for expressing the chemical energy in feeds and metabolic processes is based on the heat of combustion of benzoic acid, which has been precisely determined to be 771.36 ± 0.03 kcal/mole.

canned (process) Processed, packaged, sealed, and sterilized in cans or similar containers.

cannery residue (part) Edible residue that remains after a product is prepared for canning.

capsule chaff (part) The light, fibrous material obtained by aspiration of flaxseed or flaxseed capsules.

carcass (part) The body of an animal exclusive of the intestinal tract and lung tissue. (If head and skin are included, the term **carcass with head and skin** is used; if head and skin are not included, the term is **carcass without head and skin.**)

carcass meat trimmings (part) Soft tissues obtained from slaughtered animals. The tissues consist chiefly of striate, skeletal, and cardiac muscles, but they may include the accompanying fat, skin, sinew, nerve, and blood vessels.

carcass residue, mammals (part) Residue from carcasses exclusive of hair, hoofs, horns, and contents of the digestive tract. (If bones are included, the term **carcass residue with bones** is used.)

carrier An edible material (e.g., soybean meal) to which ingredients (e.g., vitamin A or riboflavin) are added. The added ingredients are absorbed, impregnated, or coated into or onto the edible material.

casein (part) The protein precipitate that results from treating skim milk with acid or rennet.

centrifuged (process) Separated by a force moving away from a center.

cereal by-product (part) Secondary product resulting from the manufacture of a table cereal.

chaff (part) Glumes, hulls, joints, and small fragments of straw that are separated from seed in threshing or processing.

chaff and dust (part) Defined by the Association of American Feed Control Officials as material

> separated from grains or seeds in the usual commercial cleaning processes. It may include hulls, joints, straw, mill or elevator dust, sweepings, sand, dirt, grains, seeds. It must be labeled "chaff and/or dust." If it contains more than 15% ash the words "sand" and "dirt" must appear on the label.

See **screenings.**

charcoal (part) Dark, porous forms of carbon made by incomplete combustion of plant or animal material.

chipped (process) Cut or broken into fragments or cut into small, thin slices.

chopped (process) Reduced in particle size by cutting.

cleaned (process) Subjected to any process (e.g., scalping, screening, aspiration, or magnetic separation) by which unwanted material is removed.

cleanings (part) Chaff, weed seeds, dust, and other foreign matter removed from cereal grains.

clipped (process) Refers to removal of ends of whole grain.

close planted (process) Planted with less than normal distance between rows.

coagulated (process) Curdled, clotted, or congealed, usually by the action of a coagulant.

coarse bolted (process) Separated from parent material by means of a coarsely woven bolting cloth.

coarsely sifted (process) Separated from parent material by means of coarsely woven wire sieves.

cob fractions (part) A mixture containing rings, or disks, cut from corn (maize) cobs and all or some of the following: glumes, lemmas, paleae, and sterile florets.

cobs (part) The fibrous inner portions of the ears of corn (maize) from which the kernels have been removed.

cobs furfural residue (part) The residue from extraction of furfurals from corn (maize) cobs.

cobs with grain (part) See **ears** (International term).

cobs with husks (part) Corn (maize) cobs with the enveloping husks but without the grain.

commercial feed Defined in the Uniform Feed Bill (an Act) of the Association of American Feed Control Officials as follows:

> The term 'commercial feed' means all materials which are distributed for use as feed or for mixing in feed, for animals other than man except;
>
> (1) Option A — Unmixed seed, whole or processed, made directly from the entire seed which are not adulterated within the meaning of Section 7 of this Act.
>
> Option B — Unmixed or unprocessed whole seeds which are not adulterated within the meaning of Section 7 of this Act.
>
> (2) Hay, straw, stover, silage, cobs, husks and hulls
>
> (i) when unground, and
>
> (ii) when unmixed with other materials.
>
> (3) Individual chemical compounds when not mixed with other materials which are by regulation exempted.

complete feed A nutritionally adequate feed for a specific physiological state. It is compounded to be fed as the sole diet and is capable of maintaining life or promoting production (or both) without the consumption of any additional substance except water.

concentrate A feed used with another to improve the nutritive balance of the total and intended to be diluted and mixed to produce a supplement or a complete feed.

condensed (process) Reduced in volume by removal of moisture.

conditioned (process) Brought to predetermined moisture characteristics or temperature (or both) prior to further processing. See **tempered** (International term).

cones (part) Ovule or pollen-bearing scales from trees of the pine family.

cooked (process) Heated in the presence of moisture to alter chemical or physical characteristics (or both) or to sterilize.

corn See **maize** (International term).

cracked (process) Reduced in size by a combined breaking and crushng action. Refers to particles of grain.

cracklings (part) The residue that remains after removal (by dry heat) of fat from adipose tissue or skin of animals.

crimped (process) Rolled with corrugated rollers. The grain to which this term refers may be tempered or conditioned before it is crimped, and may be cooled afterward.

crown (part) On a seed plant, the point (usually at ground level) at which stems and roots merge.

crumbled (process) Broken with corrugated rollers. Refers to pellets.

crumbles (physical form) Pelleted feed reduced to granular form with corrugated rollers.

crushed (process) See **rolled** (International term).

cubes (physical form) See **pellets, range cubes.**

cull Material rejected, in grading or separating, as inferior.

culture Nutrient medium bearing a colony of specific microorganisms.

cultured (process) Biological material produced in a culture.

cured (process) Prepared for keeping or use (e.g., by drying, smoking, or salting or by using a chemical preservative).

customer-formula feed A commercial feed whose components are mixed according to the specific instructions of the final purchaser or contract feeder.

cuttings (part) Parts or sections of a plant or animal.

D-activated (process) Activated with vitamin D (e.g., by ultra-violet light). Refers to plant or animal sterol fractions.

debittered (process) Having had bitter substances removed.

defluorinated (process) Having had fluorine partially removed.

degermed (process) Having had the embryos wholly or partially separated from the starch endosperms. Refers to seeds. See **without germ** (International term).

dehulled (process) Having had the hulls removed. See **without hulls** (International term).

dehydrated (process) Having had most of the moisture removed by heat.

deribbed (process) Having had the primary veins removed. Refers to leaves.

dextrose equivalent A measurement of the reducing power of sugars and starch hydrolyzates calculated as dextrose. The equivalent is expressed as a percentage of the dry substance.

diet The feed and water regularly offered to or consumed by an animal.

digested (process) Subjected to prolonged heat and moisture, or to chemicals or enzymes with a resultant change or decomposition of the physical or chemical nature.

digestible energy See **apparent digestible energy.**

diluent (physical form) An edible substance that is mixed with a nutrient or additive to reduce its concentration and thereby make it more acceptable to animals, safer to use, or more amenable to being mixed uniformly in a feed. A diluent may also be a carrier.

distillers' grains (part) Grains from which alcohol or alcoholic beverages have been distilled.

distillers' residue (part) See **stillage** (International term).

distillers' solubles (part) Stillage filtrate.

distillers' stillage (part) See **stillage** (International term).

dressed (process) Made uniform in texture by breaking or screening lumps or by applying liquid(s). Refers to feed.

dried (process) See **dehydrated** (International term).

drug Defined by the U.S. Food and Drug Administration as follows:

> A substance (a) intended for use in the diagnosis, cure, mitigation, treatment or prevention of disease in man or other animals or (b) a substance other than food intended to affect the structure or any function of the body of man or other animals.

dry See **dry matter content of feed samples.**

dry matter content of feed samples The dry matter content of feed samples and other materials is expressed on three dry matter basis: **as fed; partially dry;** and **dry.** Definitions of these terms follows:

as fed As fed refers to the feed as it is consumed by the animal; the term "as collected" is used for materials which are not usually fed to the animal, i.e., urine, feces, etc. If the analyses on a sample are affected by partial drying, the analyses are made on the "as fed" or "as collected" sample. Similar terms: **air dry** i.e. hay; **as received; fresh; green; wet.**

partially dry Partially dry refers to a sample of "as fed" or "as collected" material that has been dried in an oven (usually with forced air) at a temperature usually at 60° C or freeze dried and has been equilibrated with the air; the sample after these processes would usually contain more than 88% dry matter (12% moisture); some materials are prepared in this way so they may be sampled, chemically analyzed and stored. This analysis is referred to as "partial dry matter % of 'as fed' or 'as collected' sample." The partially dry sample must be analyzed for dry matter (determined in an oven at 105° C) to correct subsequent chemical analyses of the sample to a "dry" basis. This analysis is referred to as "dry matter % of partial dry sample". Similar term: **air dry** (sometimes air dry is used for "as fed"; see **as fed**).

dry Dry refers to a sample of material that has been dried at 105° C until all the moisture has been removed. Similar terms: **100% dry matter; moisture free.** If dry matter (in an oven at 105° C) is determined on an "as fed" sample it is referred to as "dry matter of as fed sample." If dry matter is determined on a partial dry sample it is referred to as "dry matter of partial dry sample". It is recommended that analyses be reported on the "dry" basis (100% dry matter or moisture free), and in addition the "as fed dry matter" should be reported.

dry-milled (process) Milled by tempering with a small amount of water or steam to facilitate separation into component parts. Refers to kernels of grain.

dry rendered (process) Having undergone (1) cooking in open steam-jacketed vessels until the water has evaporated and (2) removal of fat by draining and pressing. Refers to residues of animal tissues.

dust (part) Fine, dry particles of matter usually resulting from the cleaning or grinding of grain or other feedstuff.

ears (part) Fruiting heads of corn, including cobs and grain but not the husks. Syn: **cobs with grain.**

egg albumen (part) Whites of birds' eggs.

egg shells (part) The hard exterior coverings of eggs of birds.

egg white (part) The white of eggs from birds used separately from the yolk.

egg yolk Inner yellow-colored portion of the egg of birds.

elevator chaff and dust (part) Particles that accumulate in dust collectors above elevators that store grain.

emulsifier A material that lowers the surface tension of the system to which it is added.

endosperm oil (part) Oil obtained from endosperms.

ensiled (process) Preserved by ensiling, a process in which finely cut parts of plants, packed in an air-tight chamber (e.g., a silo), undergo an acid fermentation that retards spoilage.

entire plant (part) The whole plant, including the roots.

etiolated (process) Grown in reduced light. Refers to plants.

eviscerated (process) Subjected to removal of all organs. Refers to the great cavity of an animal's body.

expanded (process) Increased in volume as a result of abrupt reduction in pressure. Refers to a feed or feed mixture that is extruded after being subjected to moisture, pressure, and temperature to gelatinize the starchy part.

expeller extracted (process) See **mechanically extracted.**

external marker See **indicator, external.**

extracted, mechanical (process) See **mechanical extracted.**

extracted, solvent (process) See **solvent extracted.**

extruded (process) Pushed through orifices of a die under pressure. Refers to feed.

extruded with steam (process) Pushed through orifices of a die under pressure and after preconditioning with steam.

extruded without steam (process) Pushed through orifices of a die under pressure and in the absence of steam.

fan air dried (process) Dried with a device producing a current of air.

fan air dried with heat (process) Dried with a device producing a current of hot air. Syn: **artificially dried.**

fat (part) A substance, solid or plastic at room temperature, composed chiefly of triglycerides of fatty acids.

fatty acids (part) Aliphatic monobasic organic acids containing only the elements carbon, hydrogen, and oxygen.

fatty acids ethyl (part) Saturated aliphatic monocarboxylic acids occurring naturally in fats, waxes, and essential oils in the form of ethyl ester, which is a class of compounds that yield ethyl alcohol on hydrolysis.

fatty acids methyl ester (part) Saturated aliphatic monocarboxylic acids occurring naturally in fats, waxes, and essential oils in the form of methyl ester, which is a class of compounds that yield methyl alcohol on hydrolysis.

fatty acids nonglyceride ester (part) Saturated aliphatic monocarboxylic acids occurring naturally in fats, waxes, and essential oils in the form of esters other than those of glycerol.

fecal markers See **indicators**; See **marker, fecal.**

feed(s) Material(s) consumed by animals that contribute energy and nutrients (or both) to the diet.

feed additive concentrate Defined by the U.S. Food and Drug Administration as follows:

> An article intended to be further diluted to produce a complete feed or a feed additive supplement and is not suitable for offering as a supplement or for offering free choice without dilution. It contains, among other things, one or more additives in amounts in a suitable feed base such that from 100 to 1000 pounds of concentrate must be diluted to produce 1 ton of a complete feed. A "feed additive concentrate" is unsafe if fed free choice or as a supplement because of danger to the health of the animal or because of the production of residues in the edible products from food producing animals in excess of the safe levels established.

feed additive premix Defined by the U.S. Food and Drug Administration as follows:

> An article that must be diluted for safe use in a feed additive concentrate, a feed additive supplement or a complete feed. It contains, among other things, one or more additives in high concentration in a suitable feed base such that up to 100 pounds must be diluted to produce 1 ton of a complete feed. A feed additive premix contains additives at levels for which safety to the animal has not been demonstrated and/or which may result when fed undiluted in residues in the edible products from food producing animals in excess of the safe levels established.

feed additive supplement Defined by the U.S. Food and Drug Administration as follows:

> An article for the diet of an animal which contains one or more food additives and is intended to be:
>
> (1) Further diluted and mixed to produce a complete feed; or
>
> (2) Fed undiluted as a supplement to other feeds; or
>
> (3) Offered free choice with other parts of the ration separately available.
>
> A "feed additive supplement" is safe for the animal and will not produce unsafe residues in the edible products from food producing animals if fed according to directions.

feed grade Suitable for animal, but not human, consumption.

feed mixture See **formula feed.**

fermentation product (part) Product formed by enzymatic transformation of organic substrates.

fermentation solubles (part) Parts of stillage that pass through screens, consisting chiefly of water, water-soluble substances, and fine particles from the fermentation process.

fermented (process) Acted upon by yeasts, filamentous fungi, or bacteria in a controlled aerobic or anaerobic process. Refers to products (e.g., grains and molasses) used in the manufacture of alcohols, acids, vitamins of the B-complex group, and antibiotics.

fiber (part) An elongate tapering plant cell that has at maturity no protoplasm. It is found chiefly in the vascular tissues of plants, but may occur in other sites.

fiber by-product (part) A secondary product obtained during the manufacture of a fiber product (e.g., flax fiber by-product, which is obtained during the manufacture of flax).

finely ground (process) Reduced to very small particles by impact, shearing, or attrition.

finely screened (process) Separated according to particle size by passage through a finely woven meshed material.

finely sifted (process) Separated according to particle size by passage through a finely woven meshed material.

fines (part) Material that passes through a screen whose openings are smaller than the specified minimum size of crumbles, pellets, or substances such as citrus pulp.

fish stickwater (part) An aqueous, oil-free extract of cooked fish. It contains the aqueous cell solutions of the fish and any water used in processing.

flaked (process) (1) Prepared by a method involving the use of high heat, tempering, and rollers set close together. (2) Cut into flat pieces (e.g., potato flakes). Syn: **steamed flaked.**

flour (part) Soft, finely ground, bolted meal obtained by milling cereal grains and other seeds. It consists essentially of the starch and gluten of the endosperm.

flour by-product (part) A secondary product obtained during the milling of grain for preparation of bread flour.

flower extract (part) Material removed from flowers by leaching with a liquid.

fodder (part) Green or cured plants (e.g., corn and sorghum) that are fed in their entirety, except for the roots, as forage. **See aerial part** (International term).

food additive Defined by the U.S. Food and Drug Administration as follows:

> Any substance which becomes a component of or affects the characteristics of a feed or food if such substance is not generally recognized among experts qualified by scientific training and experience to evaluate its safety as having been adequately shown through scientific procedures to be safe under the conditions of its intended use. Excepted are substances having "prior sanction" and pesticide chemicals under certain conditions.

food grade Suitable for human consumption.

forage Aerial plant material, primarily grasses and legumes containing more than 18 percent crude fiber on a dry basis, used as animal feed. The term usually refers only to plant materials as pasture, hay, silage, and green chopped feeds.

formula feed Feed consisting of two or more ingredients proportioned, mixed, and processed according to the manufacturer's specifications.

free choice A feeding system in which animals are given unlimited access to the separate feeds or mixtures of feeds constituting the diet.

fresh Recently produced or gathered; not stored, cured, or preserved.

fungal amylase process distillers' grains with solubles (part) The solid residue resulting from combining distillers' grains and solubles and drying after hydrolysis of the starch by fungal amylase.

fused (process) Blended by melting.

gelatinized (process) Ruptured by a combination of moisture, heat, and pressure. Refers to starch granules of a feed.

germ (part) Embryo of a seed.

germ oil (part) Oil extracted from the germ of cereal grains or other seeds.

gin by-product (part) Material that remains after cotton fibers and seeds of cotton bolls are separated in ginning.

gizzard (part) The second stomach of a bird; it has thick muscular walls and a tough lining for grinding food that has been partially digested in the crop.

gland tissue (part) An aggregate of cells of various special secreting organs with their intercellular contents.

glue by-product (part) A secondary product obtained in manufacturing glue.

gluten (part) The tough, viscid, nitrogenous substance that remains after the flour of wheat or other grain has been washed to remove the starch.

gluten low glutamic acid (part) Gluten from which some of the glutamic acid has been removed.

gossypol (part) A phenolic pigment in cottonseed that is toxic to some animals.

graham flour (part) Whole wheat flour; often a mixture of flour and bran.

grain (part) Seed from cereal plants.

grain clippings (part) The hulls, fragments of groats, immature grains, and chaffy material obtained during the dehulling of oats and other cereal grains.

grain distillers' saccharomyces (part) A genus of unicellular yeasts, which are fungi having little or no mycelial growth, reproducing asexually by budding, and typically produce alcoholic fermentations on carbohydrate substrates.

grain fines (part) Small particles screened from cracked grain.

grain screenings (part) Defined by the Association of American Feed Control Officials as material obtained from screening grains and " consists of 70% or more of grains, including light and broken grains, wild buckwheat, and wild oats. It must contain not more than 6.5% ash". See **screenings.**

grease (part) Animal fats with a titer below 40° C.

grits (part) Coarsely ground grain from which the bran and germ have been removed.

groats (part) Grain from which the hulls have been removed.

gross energy (GE) The amount of heat that is released when a substance is completely oxidized in a bomb calorimeter containing 25 to 30 atmospheres of oxygen. Syn: **heat of combustion.**

gross energy digestion coefficient The percentage of gross energy apparently absorbed.

$$\text{GE digestion coefficient} = \frac{(\text{GE of food per unit dry wt x dry wt of food}) - (\text{GE of feces per unit dry wt x dry wt of feces})}{\text{GE of food per unit dry wt x dry wt of food}} \times 100$$

ground (process) Reduced in particle size by impact, shearing or attrition.

grounds with chicory residue (part) Sediment (e.g., coffee grounds) that contains chicory residue.

hatchery by-product (part) A mixture of eggshells, unhatched eggs, and culled chicks that has been cooked, dehydrated, and ground, with or without partial removal of fat.

hay (part) The aerial parts of grass or herbage cut and cured for animal feeding.

heads (part) The parts of a plant that contain the seeds (e.g., sorghum heads).

heads without seeds (part) Heads from which the seeds have been removed.

heat and acid precipitated (process) Separated from a suspension or solution by action of heat and acid.

heat hydrolyzed (process) See **hydrolyzed.**

heat processed (process) Prepared by a method involving the use of elevated temperatures, with or without pressure.

heat processed flaked (process) See **flaked.**

heat rendered (process) Melted, extracted, or clarified by heating. (Water and fat are usually removed).

homogenized (process) Broken down into evenly distributed globules small enough to remain as an emulsion for long periods. Refers to particles of fat.

hulls (part) Outer covering of seeds.

husks (part) (1) Leaves enveloping an ear of corn. (2) Outer coverings of kernels or seeds, especially when dry and membranous (e.g., almond husks).

hydraulically extracted (process) See **mechanically extracted** (International term).

hydrolyzed (process) Subjected to hydrolysis, a process by which complex molecules (e.g., those in proteins) are split into simpler units by chemical reaction with water molecules. (The reaction may be produced by an enzyme, catalyst, or acid or by heat and pressure).

indicator, external Substances which are added to the diet or taken orally and are minimally absorbed from the alimentary tract and may be virtually completely recovered unchanged in the feces (e.g., chromic oxide, ferric oxide, dyes, radioactive materials). They are used to estimate fecal output or dry matter intake. Syn: **external marker.**

indicator, internal Substances which occur naturally in the diet are minimally absorbed from the alimentary tract and may be virtually completely recovered unchanged in the feces (e.g., lignin, chromogen, fecal nitrogen, silica, the acid soluble fecal fraction, methoxyl and fiber). They are used to estimate apparent digestibility and dry matter intake. Syn: **internal marker.**

indicator, urinary A substance which is completely absorbed from the alimentary tract and recovered in the urine.

internal marker See **indicator, internal.**

iodinated (process) Treated with iodine.

irradiated (process) Treated, prepared, or altered by exposure to radiant energy.

joints (part) Nodes of plant stems.

joule (J) The International Organization for Standardization defines 1 joule as "the work done when the point of application of a force of one newton (N) is displaced through a distance of one meter (m) in the direction of the force". One calorie is equal to 4.184 joules. See **calorie.**

juice (part) The aqueous substance obtained from biological tissue by pressing or filtering, with or without addition of water.

katabolizable energy See **nitrogen equilibrium metabolizable energy (ME$_n$)** (International term).

kernel (part) In cereals, a whole grain; in other species, a dehulled seed.

kibbled (process) Cracked or crushed. Refers to baked dough or to extruded feed that was cooked before or during the extrusion process.

kilocalorie (kcal) One thousand small calories. This term is preferable to large Calorie. See **calorie.**

lactase-hydrolyzed (process) See **hydrolyzed.**

lactic acid bacteria (part) Any of various bacteria (chiefly of the genera *Lactobacillus* and *Streptococcus*) that produce predominantly lactic fermentation on suitable media.

lactose (part) A white crystalline disaccharide found in milk.

lard (part) Rendered fat of swine.

leached (process) Affected by the action of percolating water or other liquid.

lecithin (part) A specific phospholipid; the principal constituent of crude phosphatides derived from oil-bearing seeds.

lint (part) A fibrous coat of thickened convoluted hairs on the seeds of cotton plants.

litter (part) Fibrous material used on the floor of poultry houses, with the poultry excreta.

low oil (part) Containing very little oil (usually 5 percent or less).

magnetic separation (process) Removal of ferrous material by magnets (e.g., removal of iron objects from mixed feed).

malt (part) Sprouted and steamed whole grain from which the radicle has been removed.

malted (process) Converted into malt or treated with malt or malt extract.

malt hulls (part) Product, consisting almost entirely of hulls, that is obtained in cleaning malted barley.

maltose processed (process) Treated with the enzyme maltase.

malt sprout cleanings with hulls (part) Product obtained in cleaning malted barley or in recleaning malt. (Contains less protein than malt sprouts with hulls.)

malt sprouts with hulls (part) Sprouts from malted barley combined with malt hulls.

marc (part) Pulp, seeds, and skins from grapes. See **pulp** (International term).

marker, fecal A substance used to color or mark the ration so the feces produced from the ration may be collected quantitatively (e.g., iron oxide or carmine). See **indicator, external.**

mash (physical form) A mixture of ingredients in meal form. Syn: **mash feed.**

meal (physical form) An ingredient(s) that has been ground or otherwise reduced to a particle size somewhat larger than flour, unbolted.

meat (part) Flesh obtained from slaughtered mammals. (The term includes skeletal muscle, cardiac muscle, and the tongue, diaphragm, and esophagus; it sometimes includes the accompanying fat, skin, sinews, nerves, and blood vessels; it does not include the lips, snout, and ears.)

meat stickwater (part) An aqueous, fat-free extract of meat. (It is obtained in wet rendering meat products and contains the aqueous cell solutions, the soluble glue proteins, and water condensed from the steam used in wet rendering.)

meats (part) See **nut meats.**

meats with hulls (part) Certain nut meats (e.g., those of peanuts) combined with their hulls.

mechanically extracted (process) Extracted by heat and mechanical pressure. Refers to removal of fat or oil from the seeds. Syn: **expeller extracted, hydraulically extracted, old process, expressed.**

mechanically extracted caked (process) Extracted from seeds by heat and mechanical pressure in such a way that the remaining product (e.g., cottonseed meal) is caked. Refers to fat or oil.

media (part) Nutrient substrate for culturing bacteria (or other organisms) or cells.

medicated feed (part) (1) A feed that contains drug ingredients intended a) to cure, mitigate, treat, or prevent diseases of animals other than man or b) to affect the structure or functioning of the bodies of animals other than man. (2) A feed that contains an antibiotic intended to promote growth or increase feed efficiency.

medium with yeast (part) Cells of yeast combined with (1) the liquor containing the medium in which the cells grow and (2) the by-products of the cells' metabolism.

megacalorie (Mcal) One million small calories. See **calorie.**

metabolizable energy (ME) Food intake gross energy, minus fecal energy, minus energy in the gaseous products of digestion, minus urinary energy.

micro-ingredients Vitamins, minerals, antibiotics, drugs, and other materials normally required in small amounts and measured in milligrams, micrograms, or parts per million.

micronized (process) Heating by gas-fired infrared generators to 150°C (300°F). The term micronized was coined to describe this dry heat treatment since microwaves are emitted in the heating process. Refers to grain.

middlings (part) A by-product of flour milling that contains varying proportions of endosperm, bran, and germ.

milk albumin (part) The coagulated protein fraction from whey.

mill dust (part) Fine feed particles resulting from handling and processing feed and feed ingredients.

mill residue (part) Part of a feed or feed ingredient that remains after a milling process.

mill run (part) A product as it comes from the mill, ungraded and usually uninspected.

mixed (process) Two or more materials combined by agitation to a specific degree of dispersion.

mixed screenings (part) Defined by the Association of American Feed Control Officials as a mixture of material obtained from screening grains and of the screenings that are " excluded from the preceding definition (grain screenings). It must contain not more than 27% crude fiber and not more than 15% ash". See **screenings, grain screenings.**

molasses (part) The thick, viscous by-product resulting from the manufacture of refined sugar.

molasses distillers' solubles (part) Liquid containing dissolved substances obtained from molasses stillage.

molasses fermentation solubles (part) That portion of molasses stillage which passes through screens, being composed mostly of water, water-soluble substances and fine particles of the grain.

molded (process) Overgrown or otherwise acted upon by fungi.

needles (part) Slender, pointed leaves, as of pine, spruce, and larch.

net energy (NE) The difference between metabolizable energy and heat increment. It includes the amount of energy used for maintenance only or for maintenance plus production. Net energy can also be defined as the gross energy of the gain in tissue or of the products synthesized plus the energy required for maintenance. Below the critical temperature, net energy includes part or all of the heat increment. Reports on net energy should clearly state which functions are included. Subscripts are suggested. For example, there may be values for net energy for maintenance plus production (NE_{m+p}), net energy for maintenance only (NE_m), or net energy for production only (NE_p).

net energy for maintenance (NE_m) The part of net energy expended to keep an animal in energy equilibrium. When an animal is in this state, there is no net gain or loss of energy in the body tissues. The net energy for maintenance for a producing animal may be different from that for a nonproducing animal of the same weight. The difference is due to changes in amounts of hormones produced and to differences in voluntary activity. This difference may be charged to maintenance, but in practice it is usually charged to the production requirement.

net energy for production (NE_p) The part of net energy, in addition to that needed for body maintenance, that is used for work or for tissue gain (growth or fat production or both), or for the synthesis of, for example, a fetus, milk, eggs or wool. It should always be clearly stated which production fractions are included. For example, there could be: NE_{egg}; NE_{gain}; NE_{milk}; NE_{preg}; NE_{wool}; or NE_{work}.

new process (process) See **solvent extracted** (International term).

nitrogen equilibrium metabolizable energy (ME_n): Food intake gross energy minus fecal energy, minus energy in the gaseous products of digestion, minus urinary energy, corrected for nitrogen retained or lost from the body. For birds and monogastric mammals, the gaseous products of digestion do not need to be considered. For mammals the correction is made as follows: for each gram of nitrogen lost from the body (equal to negative nitrogen balance) 7.45 kcal are added (correction) to the metabolizable energy and for each gram of nitrogen retained in the body (equal to positive nitrogen balance) 7.45 kcal are subtracted (correction) from the metabolizable energy. As this value was obtained with dogs, it may not be entirely correct for other animals. In the case of animals synthesizing products such as milk or eggs, no correction is made for the nitrogen in these products. Similar term: **katabolizable energy.**

$$ME_n = GE_i - FE - UE - GPD \pm \text{correction}$$

For birds, the preferable factor is 8.73 kcal because it represents the average gross energy of urine not contaminated with feces.

nodes (part) The joints of a stem; the point of insertion of a leaf or leaves.

nuts with shells (part) Dry indehiscent fruit having a hard, bony ovary wall.

nuts with shells with husks (part) Dry indehiscent fruit having a hard, bony wall enclosed by a dry outer covering (e.g., almonds).

nut meats (part) Nuts from which the shells have been removed.

offal (part) Low-grade residue left from the milling of some product.

oil (part) A substance that consists chiefly of triglycerides of fatty acids and is liquid at room temperature.

oil refinery lipid (part) By-product obtained in refining an edible oil.

old process (process) See **mechanically extracted** (International term).

orts The feed which is not consumed when an animal is on a feeding, digestion or balance trial. Syn: **weighback.**

partially dry (process) See **dry matter content of feed samples.**

partially extracted (process) Partially removed from a feed by a chemical or mechanical process. Refers to fat or oil.

paunch contents (part) See **rumen contents** (International term).

pasture (part) Grass or other plants grown for grazing animals; herbage.

pearl by-product (part) By product obtained in pearling barley. See **pearled.**

pearled (process) Reduced by machine brushing to smaller, smooth particles. **Refers to dehulled grains (e.g., pearled barley).**

pectin (part) Any of the group of colorless amorphous methylated pectic substances occurring in plant tissues or obtained by restricted treatment of protopectin obtained from fruits or succulent vegetables, that yield viscous solutions with water and when combined with acid and sugar yield a gel.

peel (part) See **skin** (International term).

peelings (part) Outer layers of fruits or vegetables that have been removed.

pelleted (process) Made into pellets.

pellets (physical form) Agglomerated feed formed by compacting and forcing feed through die openings by a mechanical process. Syn: **pelleted feeds, hard pellet.** Soft pellets are those containing sufficient liquid to require immediate dusting and cooling. Syn: **high molasses pellets.** See **block, brick.**

pH The negative logarithm (base 10) of the hydrogen ion concentration.

pith (part) Continuous central strand of parenchymatous tissue occurring in the stems of most vascular plants.

pits (part) Stones of drupaceous fruits.

pit silo A below-ground bin sealed when full to exclude air and used for storing silage.

pod (part) A dehiscent seed vessel or fruit (e.g., pea or bean pod).

polished (process) Smoothed by a mechanical process. Refers to grain (e.g., polished rice).

polished rice by-product (part) Another product produced during the preparation of polished rice.

polishings (part) A by-product of rice consisting of the fine residue that accumulates as the rice kernels are polished (after hulls and bran have been removed).

pollen (part) A mass of microspores (usually resembling a fine dust) in a seed plant.

pomace (part) Pulp, seeds, and stems from fruit. See **pulp** (International term).

popped (process) Heated with accompanying expansion until a high percentage of actual explosion or eruption occurs. Refers to grain (e.g., popped corn (maize).

potassium salts (part) A mineral compound containing potassium.

precipitated (process) Separated from suspension or solution as a result of a chemical or physical change.

premix A uniform mixture consisting of one or more micro-ingredients and a diluent or carrier (or both) and used to facilitate uniform distribution of the micro-ingredients within a larger mixture.

premixed (process) Mixed with a diluent or carrier (or both) preliminary to final mixing with other ingredients.

prepressed solvent extracted (process) Removed from materials partly by heat and mechanical pressure and (later) partly by organic solvents. Refers to fat or oil.

pressed (process) Compacted or molded by pressure, or extracted under pressure. Refers to fat, oil or juice.

pressure cooked (process) Heated either wet or dry and under pressure greater than atmospheric pressure.

presswater Aqueous extract obtained from fish or meat by hydraulic pressing of the fish or meat followed by removal of fat or oil (or both), usually by centrifuging.

process by-product (part) One or more by-products from food manufacture.

process residue (part) Material remaining after some of the constituents of the original material (e.g., pineapple slices for canning) have been removed in a manufacturing process.

protein (part) Any of a large class of naturally occurring complex combinations of amino acids.

pulp (part) The solid residue (including seeds and skins, if present) remaining after extraction of juices from fruits, roots, or stems. Syn: **bagasse, pomace, marc.**

pulp fines (part) See **fines.**

pulverized (process) Finely ground. See **ground** (International term).

raisin syrup by-product (part) Residue from the manufacture of raisin syrup.

range cake (physical form) Cake fed on the range, usually on the ground (e.g., cottonseed cake). See **cake.**

range cubes (physical form) Large pellets intended to be fed on the ground. Syn: **range wafers.**

range wafer (physical form) See **range cubes.**

ration The total amount of feed (diet) allotted to one animal for a 24-hour period.

refuse (part) Damaged, defective or excess edible material produced during or left over from a manufacturing or industrial process.

retort-charred (process) Partly burned in a closed retort. Refers to bone black.

roasted (process) Cooked in an oven by dry heat.

rolled (process) Compressed between rollers. Rolling may entail tempering or conditioning. Syn: **steam rolled.**

roughage Plant material, primarily by-products of crop production, high in crude fiber, low in digestibility and low in protein. Examples are: straw, stover, bagasse, peanut and oat hulls, and maize (corn) cobs.

rumen contents (part) Contents of the first two compartments of the stomach of a ruminant. Syn: **paunch contents.**

scalped (process) Removed by screening. Refers to large particles.

scoured (process) Cleansed by impact or friction. Refers to removal of the beard from the wheat kernel.

scratch grain (physical form) Whole, cracked, or coarsely cut grain. Syn: **scratch feed.**

screened (process) Separated into different sizes by being passed over or through screens.

screenings (part) Defined by the Association of American Feed Control Officials as material " obtained in the cleaning of grains which are included in the United States Grain Standard Act and other agricultural seeds. It may include light and broken grains and agricultural seeds, weed seeds, hulls, chaff, joints, straw, elevator or mill dust, sand, and dirt. It must be designated as Grain Screenings, Mixed Screenings and Chaff and or Dust. No grade of screenings must contain any seeds or other material in amount that is either injurious to animals or will impart an objectionable odor or flavor to their milk or flesh. The screenings must contain not more than four whole prohibited noxious weed seeds per pound and must contain not more than 100 whole restricted noxious weed seeds per pound. The prohibited and restricted noxious weed seeds must be those named as such by the seed control law of the state in which the screenings are sold or used". See **chaff and dust, grain screenings, mixed screenings.**

seed (part) The fertilized and ripened ovule of a plant.

seedballs (part) Rounded and usually dry or capsular fruits (e.g., potato seed).

seed skins (part) Outer layers of some seeds (e.g., beans and peas).

self-fed Provided on a continuous basis. Refers to a component of a diet or to mixed components. Self-feeding enables animals to eat at will.

separation (process) Classification of particles by size, shape, or density.

separation, magnetic (process) See **magnetic separation.**

shells (part) The hard, fibrous, or calcareous covering of a plant or animal product i.e., nut, egg, oyster.

shoots (part) The immature aerial parts of plants.

shorts (part) A by-product of flour milling that consists of germ, offal, fine particles of bran, and small amounts of flour.

shredded (process) Cut into long, thin pieces.

shrunken (process) Compacted as by partial loss of water; or become smaller in size.

sifted (process) Separated into different sizes by being passed through wire or nylon sieves.

silk (part) The styles on an ear of corn.

sizing (process) See **screening.**

skimmed (process) Removed by settling, flotation, or centrifuging. Refers to removal of the lighter part of a liquid from the heavier part (e.g., removal of cream from milk).

skin (part) (1) The outer covering of a fruit or seed. Syn: **rind, husk, peel.** (2) The dermal tissue of animals.

skin scrapings (part) Scrapings from hides of slaughtered animals.

solubles (part) Dissolved substances (and possibly fine solids) in liquids obtained in processing animal or plant materials.

solubles with low potassium salts and glutamic acid (part) The residue from manufacturing monosodium glutamate from Steffen's filtrate.

solvent extracted (process) Removed from material (e.g., soybean seeds) by organic solvents. Refers to fat or oil. Syn: **new process.**

solvent extracted caked (process) Fat or oil removed from materials by organic solvents and pressed to make a cake.

solvent extracted flakes with reduced protein and carbohydrate (part) The product remaining after some of the protein and nitrogen free extract have been removed from dehulled, solvent extracted soybean flakes.

spent (process) Exhausted of absorbing properties (e.g., spent bone black).

spent residue liquid (part) The liquid residue that remains after extracting starch from potatoes.

spice (part) Any of various aromatic vegetable products used to season foods.

spine (part) A specialized, stiff, sharp-pointed leaf form.

split pea by-product (part) The residue from the manufacture of split peas, consisting primarily of skins and broken and rejected peas.

stabilized (process) Made more resistant to chemical change by an added substance.

stack ensiled (process) Ensiled while in a pile above ground.

stalk (part) The main stem of a herbaceous plant.

starch (part) A white, granular polymer of plant origin. The principal part of seed endosperm.

starch by-product (part) The residue from the manufacture of starch (e.g., starch from potatoes).

steam flaked (process) Prepared by a method utilizing steam heat for 12 to 14 minutes, tempering and rollers set close together to make a thin flake. See **flaked.**

steamed (process) Treated with steam, as in steam cooking. Syn: **steam cooked, steam rendered, tanked.**

steam rolled (process) Preconditioned in steam under pressure for a short time and then compressed between rollers.

steep-extracted (process) Soaked in water or other liquid to remove soluble materials. Refers to grain (e.g., corn that is being wet milled).

steepwater (part) Water containing soluble materials recovered by steep-extraction. See **steep-extracted.**

Steffen process (process) A process for treating beet molasses to recover additional sugar through precipitation of calcium sucrate.

Steffen's filtrate (part) The filtrate obtained from the precipitation of calcium sucrate in the Steffen process and used chiefly as a source of amino acids.

stem butts (part) Proximal ends of stems.

stems (part) The coarse, aerial parts of plants which serve as supporting structures for leaves, buds, and fruit.

sterols (part) Solid cyclic alcohols that are the major constituents of the unsaponifiable part of animal and vegetable fats and oils.

stick (part) Condensed stickwater or presswater. See **fish stickwater, meat stickwater, presswater.**

stickwater (part) See **fish stickwater, meat stickwater.**

stickwater solubles (part) Water-soluble fraction from fish from which the liquid, originally obtained by steam-cooking and pressing the fish, has been removed.

stickwater solubles precipitated (part) Precipitated water-soluble fraction from fish stickwater.

stillage (part) The mash from fermentation of grains or molasses after removal of alcohol by distillation.

stover (part) Stalks and leaves of corn or sor-

ghum after the ears of corn or heads of sorghum have been harvested. International terms: **aerial part without ears without husks, aerial part without heads.**

straw (part) Plant residue remaining after separation of the seeds (grain, peas, or beans) by threshing. See **threshed.**

straw pulp (part) A moist, slightly cohering mass consisting of ground straw treated with water.

stubble (part) The lower parts of plant stems that remain standing in the field after harvest.

sulfite waste liquors (part) Residues from products (e.g., wood pulp) treated with sulfite.

sulfur fertilized (process) Supplied with a form of elemental sulfur as a nutrient. Refers to plants.

sun-cured (process) Dried by exposure to the sun.

sun-cured brown (process) Partially dried by exposure to the direct rays of the sun, then put in a stack or bale, where heat from microbial action causes browning.

sun-cured on riders (process) Stacked on tripods made of poles, then sun-cured. Refers to forage.

supplement A feed used with another to improve nutritive balance or performance. It may be fed undiluted as a supplement to other feeds, offered free choice with other parts of the diet separately available, or mixed with other feed ingredients to produce a complete feed.

sugar (part) A sweet crystallizable substance that consists essentially of sucrose (as used in describing feeds) that occurs naturally in the most readily available amounts in sugarcane, sugar beet, sugar maple, sorghum and sugar palm.

syrup (part) Concentrated juice of a fruit or plant.

syrup by-product (part) A secondary product consisting chiefly of the fatty fraction of corn starch together with protein and residual carbohydrate. Syn: **corn syrup refinery insolubles.**

tallow (part) Animal fats with titer above 40°C.

tankage (part) See **carcass residue with blood** (International term).

tanked (process) See **steamed** (International term).

tassels (part) Male inflorescences of some plants (e.g., the tassels at the end of a stalk of corn).

tempered (process) Brought to predetermined moisture characteristics or temperature (or both) before further processing. Syn: **conditioned.**

threshed (process) Separated from straw by impaction and subsequent screening. Refers to grain, peas, or beans. See **straw.**

titer The solidification point (determined by heating or cooling) of the fatty acids liberated from a fat by hydrolysis.

toasted (process) Browned, dried, or parched by exposure to a wood fire or to gas or electric heat.

tops (part) The uppermost part of plants (e.g., sugar cane tops). See **aerial parts.**

toxicity extracted (process) Treated to remove a poisonous substance.

trace mineral Mineral nutrient required by animals in very small amounts.

trench silo A trench that is filled with fresh forage and then sealed to exclude air and permit the formation of silage.

tubers (part) Short, thickened fleshy stems, or rhizomes, that usually form underground and bear minute scaled leaves, each with a bud capable of developing into a new plant (e.g., potato).

unsaponifiable matter (part) Ether soluble material extractable after complete reaction with strong alkali.

urea (part) A highly soluble, crystalline, white compound used as a source of nonprotein nitrogen for ruminants. It is produced by mammals during nitrogen metabolism, and synthetically.

urinary indicator See **indicator, urinary.**

vacuum dehydrated (process) Dehydrated under vacuum. See **dehydrated.**

vinegar fermentation grains (part) Grains used as the substrate to provide a source of carbohydrate that is transformed into vinegar.

vine hay (part) Cut and sun-cured herbage from vines. International term: **hay.**

vines (part) Any plant whose stems require support, or lie on the ground. International term: **aerial parts.**

viscera (part) All organs in the great cavity of the body. The viscera of fish include the gills, heart, liver, spleen, stomach, and intestines and their contents. The viscera of mammals include the esophagus, heart, lungs, liver, spleen, stomach, and intestines (but not their contents). The viscera of poultry include the esophagus, heart, liver, spleen, stomach, crop, gizzard, undeveloped eggs, and intestines and their contents.

vitamins Organic compounds that function as parts of enzyme systems that are essential for transmitting energy and regulating metabolism.

wafered (process) Agglomerated by compressing into a form that usually measures more in diameter or cross-section than in length. Refers to fibrous feeds (e.g., wafered alfalfa hay).

waste (part) See **refuse** (International term).

water-extracted (process) Removed with water. Refers to a product from which soluble substances have been removed.

weathered (process) Exposed to air, sunlight, and precipitation.

weighback The feed which is not consumed when an animal is on a feeding, digestion or balance trial. Syn: **orts.**

wet (physical form) Material containing liquid, or which has been soaked or moistened with water or other liquid.

wet-milled (process) Steeped in water, which may contain sulfur dioxide, to facilitate separation of the parts. Refers to kernels of corn.

wet-rendered (process) See **steamed.**

whey (part) The watery part of milk separated from the coagulated curd.

whey albumin (part) One of the whey proteins.

whey fermentation solubles (part) Whey together with the water-soluble substances produced during the fermentation of whey.

whey low lactose (part) The product resulting from removal of some of the milk sugar from whey.

whole plant (part) See **entire plant** (International term).

whole pressed (process) Pressed to remove oil. Refers to seeds with hulls (e.g., cotton seeds).

wilted (physical form) A product that has lost turgor as a result of desiccation.

without germ Having had the embryos wholly or partially separated from starch endosperms. Refers to seeds. See **degermed.**

without hulls Having had the hulls removed. See **dehulled.**

wort (part) The liquid portion of malted grain. It is a solution of malt sugar and other water soluble extracts from malted mash.

yeast fermentation grains (part) Residue of grains after being used as a source of carbohydrate for yeast fermentation.

yeast with medium (part) See **medium with yeast.**

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