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LATIN AMERICAN TABLES OF FEED COMPOSITION

William C. Christianson, et al

Florida University
Gainesville, Florida

June 1972

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TABLES OF FEED COMPOSITION

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These Latin American tables of feed composition have been prepared using data collected from analyses of feed stuffs from most countries of Latin America. The tables include also appropriate analytical data from the U.S. and Canada. These data are used for a particular feed stuff when Latin American information 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 through out the publication.

This publication should be of assistance to feed manufacturers, research specialists, teacher, students, extension specialists, farmers and others concerned with formulating livestock and poultry rations throughout Latin America. It should also be of value to others throughout the World who are interested in feed composition, especially tropically grown feeds.

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Brazil	Guadeloupe	Peru
British Honduras	Guatemala	Puerto Rico
Chile	Guyana	Surinam
Colombia	Honduras	Trinidad
Costa Rica	Jamaica	Uruguay
Dominican Republic	Mexico	Venzuela

LATIN AMERICAN TABLES OF FEED COMPOSITION

Prepared by

WM. C. CHRISTIANSEN, Animal Science Department
University of Florida, Gainesville, Florida

JENNY EGGLESTON, Animal Science Department
University of Florida, Gainesville, Florida

LEE R. McDOWELL, Animal Science Department
University of Florida, Gainesville, Florida

JOE H. CONRAD, Animal Science Department
University of Florida, Gainesville, Florida

LORIN E. HARRIS, Animal Science Department
Utah State University, Logan, Utah

Available from

Department of Animal Science
Feed Composition Project
2103 McCarty Hall
University of Florida
Gainesville, Florida 32601
USA

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PROJECT LEADERS

Wm. C. Christiansen, BS, PhD
Associate Professor
Department of Animal Science
University of Florida

Lee R. McDowell, BS, MS, PhD
Assistant Professor
Department of Animal Science
University of Florida

Joe H. Conrad, BS, MS, PhD
Professor
Department of Animal Science
University of Florida

Hugh Popenoe, BS, MS, PhD
Professor and Director
International Programs
University of Florida

Tony J. Cunha, BS, MS, PhD
Professor and Chairman
Department of Animal Science
University of Florida

FOREWORD

These Latin American Tables of Feed Composition nclude analyses of feedstuffs from most countries of .atin America. It is a combined effort by the Latin Amer- :an countries, the University of Florida, Utah State Univ- rsity and the United States Agency for International)evelopment. The object is to record in one publication he information available for a given feed.

The Tables of Feed Composition include also appro- ıriate analytical data from the United States and Can- ıda. These data are used for a particular feedstuff when ıpplicable Latin American information (chemical or ıiological) is not available to make more meaningful ables.

Scientific names have been used as the first compo- ıent of the names as a feed is identified by the scien- :ific name in Latin America. Common, local and area names ıre also included in cross references.

An *International nomenclature* is used.

The Latin American Tables of Feed Composition are preliminary and represent a limited number of analyses on most feeds. Presently, much more feed information is being received and it is hoped the total number of feed analyses may be more than doubled within a year or so. At that time, this publication will be updated to reflect a more extensive source of feed composition data. 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.

It is hoped this publication will be of assistance to feed manufacturers, research specialists, teacher, students, extension specialists, farmers and others concerned with formulating livestock and poultry rations 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 first revision will acknowledge their contributions.

ARGENTINA

Ministerio de Agricultura y Ganaderia
Balcarce INTA–Instituto Nacional de
Tecnologia Agropecuaria

Harry Gil
Filemon Torres

Universidad Nacional Del Sur
Bahia Blanca

Emilio Enrique Menvielle
W. C. Templeton

BOLIVIA

Asesores Britanicos en Agricultura
Tropical Corporation
Gestora Proyecto Abapo
Santa Cruz

H. A. Edwards
Tom Cochrane
Jack Rossiter

Laboratorio de Bioquimica National
La Paz

Cecilio Abela Debeza
Bertba Rios I

BRAZIL

Centro de Nutrição Animal
Departamento da Produção Animal
Nova Odessa, SP

Geraldo Leme da Rocha
Edgar L. Caielli

Departamento da Produção Animal
Secção de Nutrição
São Paulo, SP

Manuel Becker

Faculdade de Agronomia
Universidade Federal do Rio Grande do Sul
Porto Alegre, Rio Grande do Sul

Ema Magalhães Lebcute
R. E. Roffler

Departamento da Produção Animal
Secretaria da Agricultura
Porto Alegre, Rio Grande do Sul

Jorge Lopez
R. E. Roffler

Escola Superior da Agricultura
Universidade de São Paulo
Piracicaba, SP

Aristeo Mendes Peixoto
A. L. Moxon

Instituto de Pesquisas
Agronomicas (IPA)
Recife, Pernambuco

Odon P. Santana
C. Edmund Shuart

Setor de Nutrição Animal e Agrostolog
Campo Grande, Itaguai, Guanabara

Carlos Rodriguez Lima

BRAZIL (Continued)

Universidade Federal de Minas Gerais
Belo Horisonte, Minas Gerais

José de Alencar Carneiro Vianna
Luis Rodriguez Fontes

Universidade Federal de Viçosa
Viçosa — Minas Gerais

José Alberto Gomide
V. F. Colenbrander

Universidade Federal do Ceará
Fortaleza, Ceará

Jose Adalberto Gadelha
Charles Haines

Universidade Federal Rural do
Rio de Janeiro
Campo Grande, Guanabara

Jorge Almeida Guimarães

CHILE

Estación Experimental
La Platina, Santiago

Gustavo Cubillos Oyarzo
Jaime Devilat

Universidade Catolica de Chile
Santiago

Gustavo Cubillos Oyarzo

COLOMBIA

Centro Internacional de Agricultura
Tropical (CIAT)
Cali

Ned S. Raun

Centro Nacional de Investigaciones
Agropecuarias
Tibaitatá, Bogotá (DE)

Juan Salazar

COSTA RICA

Estación Experimental "El Alto"
Ministerio de Agricultura y
Ganaderia

Oscar Lahman
Minor Leiva

Instituto Interamericano de Ciencias
Agricolas
Cartago, Turrialba

Manuel E. Ruiz
Hector Muñoz

Facultad de Agronomia
Universidad de Costa Rica
San José

Hernán Fonseca Z.

DOMINICAN REPUBLIC

Centro Nacional de Investigaciones
Agropecuarias
San Cristobal

Juan Pablo Duarte

ECUADOR

Facultad de Agronomia y Veterinaria
de la Universidad Central del Ecuador
Quito

A. Yarrin

Instituto Nacional de Investigaciones
Agropecuarias
Quito

Fabian Portillo R.
Jorge Roman

EL SALVADOR

Departamento de Laboratorios
Investigación y Extensión Agropecuari
Santa Tecla

Santiago Ricardo Vilanova
Harry E. Pierce

Instituto de Investigaciones del Café
Santa Tecla

Flora Marta Espinosa
Alicia Piñeda Muñoz

Escuela Nacional de Agricultura
San Andrés

Jorge Dimas
Harry E. Pierce

GUATEMALA

Instituto de Nutrición de Centro America y Panamá (INCAP)
Guatemala

Ricardo Bressani

Organizacion de las Naciones Unidas para la Agricultura y la Alimentación
Guatemala

Michel Scaillet

JAMAICA

Bodles Animal Production
Research Station
Old Harbour

L. E. McLaren
O. B. Thomas

MEXICO

Instituto Nacional de Investigaciones Pecuarias
Mexico, D. F.

Manuel Cuca
Francisco Orlando Bravo

Escuela Nacional de Agricultura

Augosto Aguilera
Carmen Mendoza de Flores

Laboratorio de Nutrición
Dept. of Zootecnía
Esc. of Agriculturay Ganaderia I.T.E.S.M
Monterrey, N. L.

Olga Fresnillo
M. H. Butterworth

NICARAGUA

Universidad Centro Americana
Facultad Veterinaria y Zootecnia
Managua

Tony Jilek

PANAMA

Facultad de Agronomia
Universidad de Panamá
Panamá

Hermel Rosas
Ervin T. Bullard

PARAGUAY

Universidad Nacional de Asunción
Facultad de Agronomia y Veterinaria

Jaime Bartrina
George L. Ellis

PERU

Direccion General de Investigaciones Agropecuarias
Ministerio de Agricultura
La Molina, Lima

Dora V. De Medina
W. L. Johnson

Universidad Nacional Agraria
La Molina, Lima

Antonio Bacigalupo
W. L. Johnson

Estación Experimental Agropecuaria
Ministerio de Agricultura

Mariano Segura B.
W. L. Johnson

Universidad Nacional Mayor de San Marcos
La Molina, Lima

Javier Barua C.
W. L. Johnson

TRINIDAD

The University of the West Indies
Dept. of Livestock Science
St. Augustine

S. J. Cowlishaw
E. F. Unsworth

URUGUAY

Centro de Investigaciones Agricolas (Alberto Boerger)
La Estanzuela

Thomas H. Kachele
Thomas Stevens

VENEZUELA

Centro de Investigaciones Agronomicas
Maracay

C. Franco Chicco

ENEZUELA (Continued)

Instituto de Producción Animal
Universidad Central de Venezuela
Maracay

Eduardo Gonzalez Jimenez
Rodrigo Parra

Instituto Nacional de Nutrición
Caracas

Jose Felix Chavez
Werner G. Jaffe

Universidad de Oriente
(Quimica Agricola Nucleo de Monagas)
Jusepin, Monagas

Hernan A. Bermejo

FEED MANUFACTURERS

Anderson—Clayton in Latin America

Dawes Laboratories in Latin America

Rolando Chavez, Mexico
Miguel Alfredo Bosch, Argentina
Lorenzo Garcia, Costa Rico

Merck, Sharp and Dohme of Latin America

Edsel J. Bixler, Mexico

Alimentos Balanceados de Mexico

Homero Ramos Guerrero
Mayela Bantista Justo

Alimentos TOR de Mexico

Abelardo Rodriquez
Gilberto Bracamontes

Molinos Mezquital Del Oro

Gustavo Cordova S.

Cargill (Nutrena Feeds) International

International Multifoods

Ralston Purina International

R. E. Woodward, St. Louis
Fernando Andrada, Colombia
Gonzalo Dal Borgo, Brazil
F. W. Wolf, Argentina
Paul Van Walleghem, Venezuela
S. A. Brennen, Central and South America

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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 summerizing and using feed data to calculate diets. Utah Agr. Expt. Sta. Bul. 479.

GUIDE FOR USE OF FEED COMPOSITION TABLES

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

roducts which contain 20 per cent or more of rotein (N x 6.25).

(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 listing shows how three feeds are named using the nomenclature system presented in tabular form:

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 1). Stage of maturity terms are given in Table 2. See Table 3 for weight-unit conversion factors and Table 4 for weight equivalents.

LOCATING NAMES IN THE TABLES

To locate in Tables of Feed Composition the International name of feed, one must know its scientific name. 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 calbellus* 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 and Canada. Such feeds have Association of American Feed Control Officials (AAFCO) names, Canada Feed Act (CFA) names, or Canada Grain Act (CGA) names. In addition, some feeds have Latin America 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 of Feed Composition). Values underlined were obtained from United States 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 is 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

  From TDN for cattle, sheep and swine as:

  $$^{*}\text{GE in kcal/kg} = \frac{\text{TDN \%}}{100} \times 4409$$

  From TDN for horses:

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

- Metabolizable energy for each animal kind was calculated:

  From the average metabolizable energy (kcal/kg)

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

  From DE for ruminants and horses as:

  *ME in kcal/kg = DE (kcal/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§

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

  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.

---

† 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.

- Total digestible nutrients (TDN) for each animal kind were estimated by one of the four procedures 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 6)

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

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 7).

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 4 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 1 *Term Abbreviations Used in the International Feed Names*

AAFCO	Association of American Feed Control Officials
Can	Canadian
CE	Canadian Eastern
CGA	Canada Grain Act
CFA	Canada Feeds Act
cp	chemically pure
CW	Canadian Western
extd	extracted
extn	extraction
extn unspec	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
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

TABLE 2 *Maturity Terms Used in the International Feed Names*

Preferred Maturity Term	Comparable Term	Definition
Germinated	Sprouted	Stage in which the embryo in a seed resumes growth after a dormant period.
Early vegetative	Fresh new growth Before heading out Before inflorence emergence Immature Prebud stage Very immature Young	Stage in which a plant becomes vegetative, before the stems elongate; up to first bud.
Late vegetative (with grasses state; jointing and boot)	Before bloom Bud stage Budding plants Heading in to bloom Heads just showing Tasseling in corn Prebloom Preflowering Stems elongated	Beginning of stem elogation (jointing) to just before blooming; first bud to first flowers; boot stage in grasses when heads are emerging beyond the last (flag) leaf.
Early bloom	Early anthesis First flower Headed out Silking in corn In head Up to one-tenth bloom	Stage between initiation of bloom and stage in which one-tenth of the plants are in bloom; some grass heads are in anthesis
Midbloom	Bloom Flowering Flowering plants Half bloom In bloom Mid-anthesis	Stage in which one-tenth to two-thirds of the plants are in bloom ; most grass heads are in anthesis.
Full bloom	Late anthesis Three-fourths to full bloom	Stage in which two-thirds or more of the plants are in bloom.
Late bloom	Before milk 15 days after silking In bloom to early pod Late to past anthesis	Stage in which blossoms begin to dry end fall and seeds begin to form.
Milk Stage	After anthesis Early seed Fruiting Late bloom to early seed Past bloom Pod Post anthesis Post bloom Seed developing Seed forming Soft Soft immature	Stage in which seeds are well formed but soft and immature.
Dough stage	Nearly mature Seeds dough Seeds well developed Soft dent	Stage in which the seeds are doughy.

TABLE 2 *Stage of Maturity Terms Used in the International Feed Names (Continued)*

Ripe seed	Dent Dough to glazing Fruiting Fruiting plants In seed Kernels ripe Mature Well matured	Stage in which plants are normally harvested for seed.
Post ripe	Late seed Over ripe Very mature Well matured	Stage that follows maturity; plants have begun to weather (applies mostly to range plants).
Stem cured	Dormant Mature and weathered Seeds cast	Stage in which plants are cured on the stem; seeds have been cast and weathering has taken place (applies mostly to range plants).
Regrowth vegetative	Vegetative recovery growth	Stage in which regrowth occurs without flower-activity; vegetative crop aftermath; early dry season regrowth.
Regrowth flowering (with grasses state; jointing and boot)	Recovery growth Stems elongating	Stage in which regrowth occurs with flowering activity; crop aftermath with flowering.
Regrowth ripe seed		Stage in which regrowth occurs after frost or after good growing condition cease; crop aftermath with ripe seed.
Preferred Maturity term	Comparable Term	Definition
The following categories are for species that remain vegetative for long periods of time (mainly) in the tropics):		
4 to 10 day growth 11 to 17 day growth 18 to 24 day growth 25 to 31 day growth 32 to 38 day growth 39 to 45 day growth 46 to 52 day growth 53 to 59 day growth 60 to 66 day growth etc.		A specified length of time after the plant has been growing; in grasses specify if sterile elongated stems or just leaves. Note: On the source form specify the exact number of days.

TABLE 3 *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	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 4 *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 5 *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 = 0.886 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. Amer. Soc. Animal Prod. Western Sec. Proc. 17:283-288.

TABLE 6 *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) – 1.260 (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) + 0.338 (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 7 *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
Rat	1 = 1,667	100.0
Foxes	1 = 278	16.7
Cat	Carotene not utilized	
Mink	Carotene not utilized	
Man	1 = 556	33.0

[a]Beeson, W. M. 1965. Relative potencies of vitamin A and carotene for animals. Federation Proc. 24:924-923.

Locating names in the Tables of Feed Composition 10

For abbreviations in feed names see page 12

For stage of maturity terms see page 13

Analytical data marked with an (*) are
estimated by formula see page 11

Underlined analytical values 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

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	ACACIA CULTRIFORMIS. ACACIA, KNIFE		-	-	-	-	-	-	-	-
02	-AERIAL PART, DEHY GRND, (1)	1-10-622	93.0	-	-	-	-	-	-	-
03			100.0	-	-	-	-	-	-	-
04	ACACIA FLEXUOSA		-	-	-	-	-	-	-	-
05	-LEAVES, FRESH, (2)	2-11-216	-	-	-	-	-	-	-	-
06			100.0	4.58*	-	3.65*	-	3.76*	-	3.00*
07	ACACIA JUREMA		-	-	-	-	-	-	-	-
08	-AERIAL PART, FRESH, (2)	2-11-213	-	-	-	-	-	-	-	-
09			100.0	-	-	4.99*	-	-	-	4.09*
10	ACACIA RIGIDULA		-	-	-	-	-	-	-	-
11	-AERIAL PART, FRESH, (2)	2-11-214	58.8	1.91*	-	1.78*	-	1.56*	-	1.46*
12			100.0	3.25*	-	3.02*	-	2.66*	-	2.48*
13	ACACIA WRIGHTI. ACACIA, WRIGHT		-	-	-	-	-	-	-	-
14	-AERIAL PART, FRESH, (2)	2-11-215	39.7	1.66*	-	1.20*	-	1.36*	-	0.98*
15			100.0	4.19*	-	3.01*	-	3.43*	-	2.47*
16	ACROCOMIA SCLEROCARPA. ACROCOMIA, MUCAJA		-	-	-	-	-	-	-	-
17	-HULLS, GRND, (1)	1-11-211	90.9	-	-	1.80*	-	-	-	1.47*
18			100.0	-	-	1.98*	-	-	-	1.62*
19	-FRUIT, GRND, (4)	4-11-208	90.0	-	-	-	-	-	-	-
20			100.0	-	-	-	-	-	-	-
21	-MEATS, MECH EXTD, (5)	5-11-207	90.8	3.12*	-	3.38*	-	2.56*	-	2.77*
22			100.0	3.43*	-	3.72*	-	2.82*	-	3.05*
23	-MEATS, MECH EXTD GRND, (5)	5-11-209	90.4	2.03*	-	1.74*	-	1.67*	-	1.43*
24			100.0	2.25*	-	1.92*	-	1.84*	-	1.58*
25	-MEATS, MECH EXTD GRND CAKED, (5)	5-11-210	89.7	-	-	1.41*	-	-	-	1.16*
26			100.0	-	-	1.57*	-	-	-	1.29*
27	ACROCOMIA TOTAI. TOTAIPALM		-	-	-	-	-	-	-	-
28	-PULP, GRND, (1)	1-10-105	90.7	-	-	-	-	-	-	-
29			100.0	-	-	-	-	-	-	-
30	-PULP, MECH-EXTD GRND, (1)	1-10-103	93.8	-	-	-	-	-	-	-
31			100.0	-	-	-	-	-	-	-
32	-PULP, SOLV-EXTD GRND, (1)	1-10-106	84.9	-	-	-	-	-	-	-
33			100.0	-	-	-	-	-	-	-
34	-MEATS, MECH-EXTD, (5)	5-10-100	93.2	-	-	-	-	-	-	-
35			100.0	-	-	-	-	-	-	-
36	AGROPYRON CRISTATUM. WHEATGRASS, CRESTED		-	-	-	-	-	-	-	-
37	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-05-420	27.0	-	-	0.90*	-	-	-	0.74*
38			100.0	-	-	3.32*	-	-	-	2.73*
39	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-05-424	-	-	-	-	-	-	-	-
40			100.0	-	-	-	-	-	-	-
41	-AERIAL PART, FRESH, POST RIPE, (2)	2-05-428	80.0	-	-	-	-	-	-	-
42			100.0	-	-	-	-	-	-	-
43	AGROPYRON SPP. WHEATGRASS		-	-	-	-	-	-	-	-
44	-AERIAL PART, FRESH, RIPE SEED, (2)	2-05-363	60.5	1.39*	-	1.50*	-	1.14*	-	1.23*
45			100.0	2.30*	-	2.49*	-	1.88*	-	2.04*
46	AGROSTIS STOLONIFERA. BENTGRASS, STOLONIFERA		-	-	-	-	-	-	-	-
47	-AERIAL PART, FRESH, (2)	2-11-236	19.0	0.57*	-	0.53*	-	0.47*	-	0.44*
48			100.0	2.99*	-	2.80*	-	2.45*	-	2.30*
49	ALTERNANTHERA HALIMIFOLIA		-	-	-	-	-	-	-	-
50	-LEAVES, DEHY, (1)	1-11-023	-	-	-	-	-	-	-	-
51			100.0	-	-	2.97*	-	-	-	2.44*
52	ANACARDIUM OCCIDENTALE. CASHEW		-	-	-	-	-	-	-	-
53	-FRUIT, DEHY GRND, RIPE SEED, (4)	4-11-206	92.3	3.68*	-	3.45*	3447.*	3.02*	-	2.83*
54			100.0	3.99*	-	3.74*	3734.*	3.27*	-	3.07*
55	ANDROPOGON CIRRATUS. BLUESTEM, TEXAS		-	-	-	-	-	-	-	-
56	-AERIAL PART, MECH-EXTD, (1)	1-10-579	66.2	-	-	-	-	-	-	-
57			100.0	-	-	-	-	-	-	-
58	-AERIAL PART, FRESH, (2)	2-11-233	28.6	0.66*	-	0.73*	-	0.54*	-	0.60*
59			100.0	2.29*	-	2.54*	-	1.88*	-	2.08*
60	ANDROPOGON MEDIUM. BLUESTEM, MEDIUM		-	-	-	-	-	-	-	-
61	-AERIAL PART, FRESH, (2)	2-11-230	45.9	0.83*	-	1.07*	-	0.68*	-	0.88*
62			100.0	1.81*	-	2.33*	-	1.40*	-	1.91*
63	ANDROPOGON NODOSUS. BLUESTEM, ANGLETON		-	-	-	-	-	-	-	-
64	-HAY, S-C, (1)	1-11-231	88.4	2.03*	-	2.08*	-	1.66*	-	1.71*
65			100.0	2.29*	-	2.36*	-	1.88*	-	1.93*
66	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-10-210	22.3	0.59*	-	0.52*	-	0.49*	-	0.42*
67			100.0	2.65*	-	2.31*	-	2.17*	-	1.90*
68	ANDROPOGON RUFUS. BLUESTEM, RUFUS		-	-	-	-	-	-	-	-
69	-AERIAL PART, FRESH, (2)	2-11-225	27.1	0.56*	-	0.67*	-	0.46*	-	0.55*
70			100.0	2.05*	-	2.47*	-	1.68*	-	2.03*
71	ANDROPOGON SPP. BLUESTEM		-	-	-	-	-	-	-	-
72	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-00-821	26.8	0.93*	-	0.80*	-	0.76*	-	0.66*
73			100.0	3.47*	-	2.99*	-	2.85*	-	2.45*
74	-AERIAL PART, FRESH, RIPE SEED, (2)	2-00-825	57.6	1.42*	-	1.35*	-	1.17*	-	1.11*
75			100.0	2.47*	-	2.34*	-	2.02*	-	1.92*
76	ANIMAL		-	-	-	-	-	-	-	-
77	-BLOOD, DEHY GRND, (5)	5-00-380	82.8	-	-	2.48*	2557.*	-	-	2.03*
78			100.0	-	-	2.99*	3086.*	-	-	2.45*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-		1
06	-	-	2.89*	1.70*	2.86*	104.*	-	83.*	-	-	19.6	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-		1
09	-	-	-	-	-	-	-	113.*	-	-	24.7	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	0.97*	0.63*	1.07*	43.*	-	40.*	-	-	12.2		1
12	-	-	1.65*	1.08*	1.82*	74.*	-	69.*	-	-	20.7	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	0.97*	0.62*	1.01*	38.*	-	27.*	-	-	6.3		1
15	-	-	2.45*	1.55*	2.56*	95.*	-	68.*	-	-	15.9	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	41.*	-	-	4.4		1
18	-	-	-	-	-	-	-	45.*	-	-	4.8	-	-
19	-	-	-	-	-	-	-	-	-	-	6.3		1
20	-	-	-	-	-	-	-	-	-	-	7.0	-	-
21	-	-	1.62*	1.08*	1.78*	71.*	-	77.*	-	-	36.4		1
22	-	-	1.79*	1.19*	1.97*	78.*	-	84.*	-	-	40.1	-	-
23	-	-	0.98*	0.29*	0.94*	46.*	-	39.*	-	-	19.6		1
24	-	-	1.09*	0.32*	1.04*	51.*	-	44.*	-	-	21.7	-	-
25	-	-	-	-	-	-	-	32.*	-	-	16.6		1
26	-	-	-	-	-	-	-	36.*	-	-	18.5	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	5.2		2
29	-	-	-	-	-	-	-	-	-	-	5.7	-	-
30	-	-	-	-	-	-	-	-	-	-	7.3		1
31	-	-	-	-	-	-	-	-	-	-	7.8	-	-
32	-	-	-	-	-	-	-	-	-	-	5.5	16	4
33	-	-	-	-	-	-	-	-	-	-	6.5	-	-
34	-	-	-	-	-	-	-	-	-	-	34.9	9	12
35	-	-	-	-	-	-	-	-	-	-	37.4	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	20▲*	-	-	7.1		1
38	-	-	-	-	-	-	-	75▲*	-	-	26.3	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	0.67*	0.22*	0.65*	32▲*	-	34▲*	-	-	5.4		1
45	-	-	1.11*	0.36*	1.08*	52▲*	-	56▲*	-	-	9.0	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	0.28*	0.17*	0.31*	13.*	-	12.*	-	-	2.1		1
48	-	-	1.49*	0.91*	1.62*	68.*	-	64.*	-	-	11.1	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-		1
51	-	-	-	-	-	-	-	67.*	-	-	21.2	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	3309.*	-	2.08*	1.35*	2.21*	83.*	-	78.*	78.*	-	10.7		1
54	3585.*	-	2.25*	1.47*	2.40*	90.*	-	85.*	85.*	-	11.6	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	4.5		1
57	-	-	-	-	-	-	-	-	-	-	6.8	-	-
58	-	-	0.22*	0.10*	0.31*	15.*	-	16.*	-	-	2.4		2
59	-	-	1.11*	0.36*	1.08*	52.*	-	58.*	-	-	8.2	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	0.42*	0.05*	0.32*	19.*	-	24.*	-	-	2.3		1
62	-	-	0.91*	0.12*	0.70*	41.*	-	53.*	-	-	5.0	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	0.98*	0.32*	0.95*	46.*	-	47.*	-	-	13.6		1
65	-	-	1.11*	0.36*	1.08*	52.*	-	53.*	-	-	15.4	-	-
66	-	-	0.29*	0.15*	0.30*	13.*	-	12.*	-	-	1.9		3
67	-	-	1.29*	0.66*	1.35*	60.*	-	52.*	-	-	8.4	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	0.27*	0.03*	0.24*	13.*	-	15.*	-	-	2.3		2
70	-	-	1.00*	0.13*	0.89*	47.*	-	56.*	-	-	8.4	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	0.49*	0.32*	0.53*	21▲*	-	18▲*	-	-	3.9		1
73	-	-	1.81*	1.21*	1.99*	79▲*	-	68▲*	-	-	14.5	-	-
74	-	-	0.69*	0.29*	0.70*	32.*	-	31.*	-	-	4.1		1
75	-	-	1.19*	0.51*	1.21*	56.*	-	53.*	-	-	7.1	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	2052▲*	2552▲	-	-	-	-	-	56▲	58▲	-	67.9	15	7
78	2477▲*	3081▲	-	-	-	-	-	68▲	70▲	-	82.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	26.7		1	3.7	-	-	-
03	-	-	-	-	-	28.7	-	-	4.0	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-		1	-	-	-	-
06	14.5*	14.2*	15.3*	-	-	8.4	-	-	2.7	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-		1	-	-	-	-
09	18.9*	18.5*	20.1*	-	-	14.4	-	-	12.3	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	9.1*	8.9*	9.6*	-	-	13.8		1	1.5	-	-	-
12	15.5*	15.1*	16.3*	-	-	23.5	-	-	2.6	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	4.5*	4.4*	4.7*	-	-	7.0		1	2.0	-	-	-
15	11.4*	11.0*	11.8*	-	-	17.7	-	-	5.1	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	1.0*	1.5*	0.8*	-	-	44.5		1	5.8	-	-	-
18	1.1*	1.6*	0.9*	-	-	49.0	-	-	6.4	-	-	-
19	2.2*	3.3*	3.3*	-	-	38.7		1	20.1	-	-	-
20	2.4*	3.7*	3.7*	-	-	43.0	-	-	22.3	-	-	-
21	-	-	-	-	-	11.3		1	9.0	-	-	-
22	-	-	-	-	-	12.4	-	-	9.9	-	-	-
23	-	-	-	-	-	22.7		1	2.8	-	-	-
24	-	-	-	-	-	36.2	-	-	3.1	-	-	-
25	-	-	-	-	-	37.1		1	3.9	-	-	-
26	-	-	-	-	-	41.4	-	-	4.3	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	1.7*	2.2*	1.6*	-	-	-	-	-	26.1	-	-	-
29	1.9*	2.4*	1.7*	-	-	-	-	-	28.8	-	-	-
30	3.5*	3.9*	3.3*	-	-	-	-	-	10.5	-	-	-
31	3.7*	4.1*	3.6*	-	-	-	-	-	11.2	-	-	-
32	2.2*	2.6*	2.1*	-	-	-	-	-	1.6	-	-	-
33	2.6*	3.1*	2.4*	-	-	-	-	-	1.8	-	-	-
34	-	-	-	-	-	-	-	-	7.7	-	-	-
35	-	-	-	-	-	-	-	-	8.2	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	5.3*	5.4*	6.0	-	-	5.6		1	1.0	0.13		1
38	20.2*	19.9*	22.4	-	-	20.7	-	-	3.4	0.48	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	0.22		1
42	-	-	-	-	-	-	-	-	-	0.27	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	3.4*	3.1*	3.3*	-	-	17.5		1	1.8	-	-	-
45	5.3*	5.2*	5.4*	-	-	29.0	-	-	3.0	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	1.4*	1.3*	1.4*	-	-	4.1		1	0.5	0.22		1
48	7.3*	6.9*	7.3*	-	-	21.6	-	-	2.6	1.16	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-		1	-	-	-	-
51	15.3*	15.5*	15.6*	-	-	12.1	-	-	1.7	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	6.1*	7.3*	7.3*	-	-	6.5		1	8.9	0.16		1
54	6.7*	7.9*	7.9*	-	-	7.0	-	-	9.6	0.17	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	1.9*	2.2*	1.8*	-	-	18.0		1	2.5	-	-	-
57	2.8*	3.3*	2.7*	-	-	27.2	-	-	3.8	-	-	-
58	1.4*	1.3*	1.3*	-	-	10.3		2	1.0	0.34		1
59	4.9*	4.5*	4.7*	-	-	36.1	-	-	3.6	1.20	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	0.0*	0.8*	0.7*	-	-	17.3		1	1.4	0.02		1
62	1.1*	1.7*	1.6*	-	-	37.7	-	-	3.1	0.05	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	9.1*	9.4*	9.2*	-	-	30.8		1	3.3	0.78		1
65	10.3*	10.6*	10.4*	-	-	34.8	-	-	3.7	0.88	-	-
66	1.1*	1.0*	1.1*	-	-	8.6		3	0.2	-	-	-
67	5.0*	4.7*	4.8*	-	-	38.7	-	-	0.9	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	1.4*	1.3*	1.3*	-	-	10.3		2	0.8	0.01		2
70	5.0*	4.7*	4.8*	-	-	37.9	-	-	3.1	0.04	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	2.7*	2.6*	2.8*	-	-	5.6		1	0.9	0.17		1
73	10.3*	9.9*	10.3*	-	-	20.9	-	-	3.2	0.63	-	-
74	2.3*	2.0*	2.1*	-	-	19.9		1	1.6	0.23		2
75	3.9*	3.5*	3.6*	-	-	34.4	-	-	2.8	0.40	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	48.2	53.0	-	0.8	98	5	3.4	0.23		1
78	-	-	58.2	63.9	-	1.0	-	-	4.1	0.28	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α-tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.09		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	0.04	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	0.21	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	0.15		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	0.13		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.28		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.03		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.05		1	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.17	-	-	1.35	-	-	-	-	-	-	-	-	-	-	-	-	-
74	0.03	0.07		2	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.06	0.12	-	-	0.51	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	0.20	0.23		1	0.08	0.30	-	690_A	28.9	2.9	-	1.4	-	-	1.28	4.93	0.98	0.99
78	0.24	0.28	-	-	0.10	0.36	-	833_A	34.8	3.5	-	1.7	-	-	1.55	5.96	1.18	1.19

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-BLOOD, SPRAY DEHY, (5)	5-00-381	84.9	-	-	3.41*	-	-	-	2.79*
02			100.0	-	-	4.01*	-	-	-	3.29*
03	-CARCASS RESIDUE, DRY OR WET RENDERED	5-10-142	95.1	-	-	-	-	-	-	-
04	DEHY GRND, MN 40% PROTEIN, (5)		100.0	-	-	-	-	-	-	-
05	-CARCASS RESIDUE, DRY RENDERED DEHY	5-00-385	93.3	-	-	2.91*	-	-	-	2.39*
06	GRND, MN 9% INDIGESTIBLE MATERIAL MX		100.0	-	-	3.12*	-	-	-	2.56*
07	4.4% P, (5)		-	-	-	-	-	-	-	-
08	MEAT MEAL (AAFCO)		-	-	-	-	-	-	-	-
09	-CARCASS RESIDUE W BLOOD, DRY OR WET	5-00-386	93.7	-	-	3.01*	2492.	-	-	2.47*
10	RENDERED DEHY GRND, MN 9% INDIGESTIBLE		100.0	-	-	3.21*	2660.	-	-	2.63*
11	MATERIAL MX 4.4% P, (5)		-	-	-	-	-	-	-	-
12	MEAT MEAL TANKAGE (AAFCO)		-	-	-	-	-	-	-	-
13	-CARCASS RESIDUE W BLOOD W BONE, DRY OR	5-00-387	95.0	-	-	1.88*	-	-	-	1.54*
14	WET RENDERED DEHY GRND, MN 9%		100.0	-	-	1.98*	-	-	-	1.62*
15	INDIGESTIBLE MATERIAL MN 4.4% P, (5)		-	-	-	-	-	-	-	-
16	MEAT AND BONE MEAL TANKAGE (AAFCO)		-	-	-	-	-	-	-	-
17	-CARCASS RESIDUE W BONE, DRY RENDERED	5-00-388	94.4	-	-	2.90*	1991.	-	-	2.38*
18	DEHY GRND, MN 9% INDIGESTIBLE MATERIAL		100.0	-	-	3.07*	2110.	-	-	2.52*
19	MN 4.4% P, (5)		-	-	-	-	-	-	-	-
20	MEAT AND BONE MEAL (AAFCO)		-	-	-	-	-	-	-	-
21	-LIVERS, DEHY GRND, (5)	5-00-389	92.7	4.04*	-	4.02*	-	3.32*	-	3.29*
22			100.0	4.36*	-	4.33*	-	3.58*	-	3.55*
23	-BONE, COOKED DEHY GRND, MN 10% P, (6)	6-00-397	75.0	-	-	0.66*	-	-	-	0.54*
24			100.0	-	-	0.88*	-	-	-	0.72*
25	-BONE PHOSPHATE, PRECIPITATED DEHY, MN	6-00-406	98.7	-	-	-	-	-	-	-
26	17% P, (6)		100.0	-	-	-	-	-	-	-
27	BONE PHOSPHATE (AAFCO)		-	-	-	-	-	-	-	-
28	-BONE, STEAMED DEHY GRND, (6)	6-00-400	93.1	-	-	-	-	-	-	-
29	BONE MEAL, STEAMED (AAFCO)		100.0	-	-	-	-	-	-	-
30	ANIMAL LIVER MEAL (AAFCO)		-	-	-	-	-	-	-	-
31	-SEE ANIMAL, LIVERS, DEHY GRND, (5)		-	-	-	-	-	-	-	-
32	ANIMAL-POULTRY		-	-	-	-	-	-	-	-
33	-CARCASS RESIDUE MX 35% BLOOD,	5-00-410	94.4	-	-	-	-	-	-	-
34	DRY OR WET RENDERED DEHY GRND, MN 50%		100.0	-	-	-	-	-	-	-
35	PROTEIN, (5)		-	-	-	-	-	-	-	-
36	ARACHIS HYPOGAEA, PEANUT		-	-	-	-	-	-	-	-
37	-HAY, S-C, (1)	1-03-619	87.1	2.42*	1.24*	2.45*	-	1.98*	1.02*	2.01*
38			100.0	2.77*	1.43*	2.81*	-	2.27*	1.17*	2.30*
39	-HAY WO NUTS, S-C GRND, (1)	1-03-627	89.2	2.14*	1.77*	2.11*	-	1.75*	1.45*	1.73*
40			100.0	2.40*	1.99*	2.37*	-	1.97*	1.63*	1.94*
41	-HULLS, GRND, (1)	1-03-629	88.8	-	-	1.80*	-	-	-	1.48*
42			100.0	-	-	2.03*	-	-	-	1.67*
43	-SKINS, GRND, (1)	1-03-631	93.3	-	-	2.55*	-	-	-	2.09*
44	PEANUT SKINS (AAFCO)		100.0	-	-	2.73*	-	-	-	2.24*
45	-AERIAL PART, FRESH, (2)	2-03-638	16.9	0.51*	-	0.50*	-	0.41*	-	0.41*
46			100.0	2.99*	-	2.94*	-	2.45*	-	2.41*
47	-KERNELS, EXTN UNSPECIFIED	5-03-647	90.9	3.54*	-	3.14*	-	2.90*	-	2.58*
48	GRND, 45% PROTEIN, (5)		100.0	3.89*	-	3.45*	-	3.19*	-	2.83*
49	-KERNELS, MECH-EXTD CAKED, (5)	5-03-648	92.4	3.51*	-	3.63*	-	2.88*	-	2.97*
50			100.0	3.80*	-	3.92*	-	3.11*	-	3.22*
51	-KERNELS, MECH-EXTD GRND, 45% PROTEIN, (5)	5-08-604	92.6	3.43*	-	3.69*	-	2.81*	-	3.02*
52			100.0	3.70*	-	3.98*	-	3.03*	-	3.26*
53	-KERNELS, SOLV-EXTD GRND, MX 7% FIBER, (5)	5-03-650	91.9	-	-	3.11*	-	-	-	2.55*
54	SOLVENT EXTRACTED PEANUT MEAL (AAFCO)		100.0	-	-	3.38*	-	-	-	2.77*
55	-KERNELS, SOLV-EXTD GRND, 50% PROTEIN, (5)	5-08-605	92.0	2.91*	-	3.18*	-	2.39*	-	2.61*
56			100.0	3.17*	-	3.46*	-	2.60*	-	2.84*
57	-KERNELS WO HULLS, (5)	5-03-657	95.4	-	-	5.48*	-	-	-	4.30*
58			100.0	-	-	5.75*	-	-	-	4.71*
59	-KERNELS WO HULLS, TOASTED, (5)	5-10-611	97.7	-	-	-	-	-	-	-
60			100.0	-	-	-	-	-	-	-
61	-KERNELS WO HULLS, TOASTED GRND, (5)	5-10-620	96.0	-	-	-	-	-	-	-
62			100.0	-	-	-	-	-	-	-
63	-KERNELS W SKINS W HULLS, (5)	5-03-653	94.0	-	-	4.46*	-	-	-	3.66*
64			100.0	-	-	4.74*	-	-	-	3.89*
65	-KERNELS W SKINS W HULLS, MECH-EXTD GRND, (5)	5-03-655	92.5	3.14*	-	3.10*	-	2.58*	-	2.54*
66	PEANUT MEAL AND HULLS (AAFCO)		100.0	3.40*	-	3.35*	-	2.78*	-	2.75*
67	ARACHIS POSTRATA, PEANUT, WILD		-	-	-	-	-	-	-	-
68	-HAY, S-C, (1)	1-09-744	-	-	-	-	-	-	-	-
69			100.0	2.89*	1.93*	2.75*	-	2.37*	1.59*	2.26*
70	ARISTIDA JORULLENSIS, THREEAWN, JORULLENSIS		-	-	-	-	-	-	-	-
71	-HAY, S-C, (1)	1-11-222	87.5	-	-	-	-	-	-	-
72			100.0	-	-	-	-	-	-	-
73	-AERIAL PART, FRESH, (2)	2-11-223	44.8	-	-	-	-	-	-	-
74			100.0	-	-	-	-	-	-	-
75	ARISTIDA SPP, THREEAWN		-	-	-	-	-	-	-	-
76	-AERIAL PART, FRESH, (2)	2-04-838	38.9	0.98*	-	1.03*	-	0.80*	-	0.85*
77			100.0	2.51*	-	2.65*	-	2.06*	-	2.17*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	1155.	-	-	-	-	-	77.*	-	-	71.7	7	46
02	-	1360.	-	-	-	-	-	91.*	-	-	84.4	-	-
03	-	-	-	-	-	-	-	-	-	-	43.0	6	42
04	-	-	-	-	-	-	-	-	-	-	45.3	-	-
05	-	1966$_a$	-	-	-	-	-	66$_a$*	-	-	45.3	19	40
06	-	2106$_a$	-	-	-	-	-	71$_a$*	-	-	48.5	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	2145.	2659.	-	-	-	-	-	68.*	-	-	39.5		1
10	2290.	2839.	-	-	-	-	-	73.*	-	-	42.2	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	43.*	-	-	40.0	27	19
14	-	-	-	-	-	-	-	45.*	-	-	42.1	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	1661$_a$	1941$_a$	-	-	-	-	-	66$_a$*	82$_a$	-	40.6	17	18
18	1760$_a$	2057$_a$	-	-	-	-	-	70$_a$*	87$_a$	-	43.0	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	2.44*	1.50*	2.50*	92.*	-	91.*	-	-	55.7		1
22	-	-	2.63*	1.62*	2.69*	99.*	-	98.*	-	-	60.1	-	-
23	-	-	-	-	-	-	-	15.*	-	-	28.6		1
24	-	-	-	-	-	-	-	20.*	-	-	38.1	-	-
25	-	-	-	-	-	-	-	-	-	-	0.4		1
26	-	-	-	-	-	-	-	-	-	-	0.4	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	1049$_a$	-	-	-	-	-	-	-	-	29.3	25	6
29	-	1127$_a$	-	-	-	-	-	-	-	-	31.5	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	51.2	6	51
34	-	-	-	-	-	-	-	-	-	-	54.3	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	1.18*	0.66*	1.26*	55.*	30.*	55.*	-	-	16.0		2
38	-	-	1.36*	0.76*	1.45*	63.*	34.*	64.*	-	-	18.4	-	-
39	-	-	1.03*	0.41*	1.03*	49.*	44.*	48.*	-	-	13.1		1
40	-	-	1.16*	0.45*	1.16*	54.*	50.*	54.*	-	-	14.7	-	-
41	-	-	-	-	-	-	-	41$_a$*	-	-	6.3		2
42	-	-	-	-	-	-	-	46$_a$*	-	-	7.0	-	-
43	-	-	-	-	-	-	-	58.*	-	-	18.6		1
44	-	-	-	-	-	-	-	62.*	-	-	19.9	-	-
45	-	-	0.25*	0.15*	0.27*	11.*	-	11.*	-	-	3.5		2
46	-	-	1.49*	0.91*	1.62*	68.*	-	67.*	-	-	20.9	-	-
47	-	-	1.97*	1.29*	2.11*	80.	-	71.*	-	-	48.6	5	4
48	-	-	2.16*	1.42*	2.33*	88.	-	78.*	-	-	53.4	-	-
49	-	-	1.92*	1.27*	2.08*	80$_a$*	-	82$_a$*	-	-	51.5		3
50	-	-	2.08*	1.38*	2.25*	86$_a$*	-	89$_a$*	-	-	55.8	-	-
51	-	-	1.85*	1.23*	2.01*	78.*	-	84.*	-	-	50.4	7	11
52	-	-	2.00*	1.33*	2.17*	84.*	-	90.*	-	-	54.4	-	-
53	-	-	-	-	-	-	-	71.*	-	-	65.1	9	10
54	-	-	-	-	-	-	-	77.*	-	-	70.8	-	-
55	-	-	1.47*	0.95*	1.62*	66.*	-	72.*	-	-	52.0	8	32
56	-	-	1.60*	1.03*	1.76*	72.*	-	79.*	-	-	56.5	-	-
57	-	-	-	-	-	-	-	124$_a$*	-	-	28.6		2
58	-	-	-	-	-	-	-	130$_a$*	-	-	29.9	-	-
59	-	-	-	-	-	-	-	-	-	-	30.4		1
60	-	-	-	-	-	-	-	-	-	-	31.1	-	-
61	-	-	-	-	-	-	-	-	-	-	25.3		1
62	-	-	-	-	-	-	-	-	-	-	26.4	-	-
63	-	-	-	-	-	-	-	101.	-	-	31.2	15	9
64	-	-	-	-	-	-	-	108.	-	-	33.2	-	-
65	-	-	1.63*	1.08*	1.79*	71.*	-	70.*	-	-	43.5	11	14
66	-	-	1.76*	1.16*	1.94*	77.*	-	76.*	-	-	47.1	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-		1
69	-	-	1.42*	0.84*	1.54*	65.*	48.*	6[illegible].*	-	-	16.9	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	2.8		1
72	-	-	-	-	-	-	-	-	-	-	3.2	-	-
73	-	-	-	-	-	-	-	-	-	-	2.8		2
74	-	-	-	-	-	-	-	-	-	-	6.3	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	0.47*	0.21*	0.48*	22$_a$*	-	23$_a$*	-	-	1.7		1
77	-	-	1.21*	0.55*	1.25*	57$_a$*	-	60$_a$*	-	-	4.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	68.9	-	-	1.3		2	6.1	1.63	54	21
02	-	-	61.1	-	-	1.6	-	-	7.2	1.92	-	-
03	-	-	-	-	-	-	-	-	10.0	15.18	9	27
04	-	-	-	-	-	-	-	-	10.5	15.96	-	-
05	-	-	37.1	-	-	1.4	70	32	13.4	9.78	46	17
06	-	-	39.8	-	-	1.6	-	-	14.4	10.48	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	0.9		1	13.9	4.66		1
10	-	-	-	-	-	1.0	-	-	14.8	4.98	-	-
11	-	-	-	-	-	-	-	-	-	-		-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	1.2	62	15	16.5	-	-	-
14	-	-	-	-	-	1.2	-	-	17.4	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	36.1	-	2.1	52	16	13.3	16.59		1
18	-	-	-	38.3	-	2.3	-	-	14.1	17.58	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	1.4		2	13.4	0.10		1
22	-	-	-	-	-	1.5	-	-	14.4	0.11	-	-
23	-	-	19.7	-	-	2.2		1	2.0	16.27		1
24	-	-	26.3	-	-	2.9	-	-	2.6	21.68	-	-
25	-	-	-	-	-	86.4		1	0.3	28.00		1
26	-	-	-	-	-	87.5	-	-	0.3	28.37	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	1.0	30	5	5.4	22.68	16	4
29	-	-	-	-	-	1.1	-	-	5.8	24.37	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	10.2	11.57	17	28
34	-	-	-	-	-	-	-	-	10.7	12.26	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	11.2*	11.5*	10.4	-	-	19.8		2	4.1	-	-	-
38	12.9*	13.2*	12.0	-	-	22.7	-	-	4.7	-	-	-
39	8.6*	8.9*	8.7*	-	-	26.8		1	2.4	1.63		1
40	9.7*	10.0*	9.7*	-	-	30.0	-	-	2.7	1.83	-	-
41	2.7*	3.1*	2.6*	-	-	50.0		2	3.5	0.20		1
42	3.0*	3.5*	2.9*	-	-	56.3	-	-	3.4	0.23	-	-
43	13.2*	13.5*	13.5*	-	-	13.3		2	24.9	-	-	-
44	14.2*	14.4*	14.4*	-	-	14.2	-	-	26.7	-	-	-
45	2.6*	2.6*	2.8*	-	-	3.4		2	0.7	-	-	-
46	15.6*	15.2*	16.4*	-	-	20.2	-	-	4.0	-	-	-
47	43.7	-	-	-	-	12.8	86	4	2.8	0.23		2
48	48.1	-	-	-	-	14.1	-	-	3.1	0.26	-	-
49	-	-	-	-	-	3.9		3	6.0	0.06		2
50	-	-	-	-	-	4.2	-	-	6.5	0.07	-	-
51	-	-	-	-	-	6.9	24	11	8.5	-	-	-
52	-	-	-	-	-	7.4	-	-	9.2	-	-	-
53	-	-	-	-	-	13.2		1	1.2	0.20		1
54	-	-	-	-	-	14.3	-	-	[illegible]	0.22	-	-
55	-	-	-	-	-	9.0	35	32	2.4	-	-	-
56	-	-	-	-	-	9.8	-	-	2.6	-	-	-
57	-	-	23.7	-	-	4.2		2	50.4	-	-	-
58	-	-	24.8	-	-	4.4	-	-	52.8	-	-	-
59	-	-	-	-	-	3.7		1	49.3	-	-	-
60	-	-	-	-	-	3.8	-	-	50.5	-	-	-
61	-	-	-	-	-	3.3		1	49.0	-	-	-
62	-	-	-	-	-	3.4	-	-	51.0	-	-	-
63	-	-	25.0	-	-	5.1	98	9	4[illegible].9	-	-	-
64	-	-	26.6	-	-	5.4	-	-	47.8	-	-	-
65	-	-	-	-	-	23.9		2	7.8	-	-	-
66	-	-	-	-	-	25.8	-	-	8.4	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-		1	-	-	-	-
69	11.6*	11.9*	11.8*	-	-	21.9	-	-	2.9	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-0.2*	0.2*	-0.4*	-	-	-	-	-	-	0.18		1
72	-0.2*	0.2*	-0.5*	-	-	-	-	-	-	0.21	-	-
73	1.5*	1.3*	1.3*	-	-	-	-	-	-	0.23		2
74	3.2*	2.9*	2.9*	-	-	-	-	-	-	0.50	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	0.6*	0.5*	0.4*	-	-	12.1		1	1.3	0.08		1
77	1.6*	1.3*	1.1*	-	-	31.0	-	-	3.3	0.20	-	-

Tables of Feed Composition — Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	0.04	0.45		1	-	0.55	-	258a	26.5	4.7	-	3.9	-	-	-	7.65	1.01	0.92
02	0.04	0.52	-	-	-	0.65	-	304a	31.1	5.7	-	4.5	-	-	-	9.00	1.19	1.08
03	-	6.80	32	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	7.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	0.27	7.35	98	17	-	0.50	-	1944a	56.4	4.8	-	5.2	-	-	0.64	3.37	0.74	0.32
06	0.29	7.87	-	-	-	0.53	-	2083a	60.4	5.1	-	5.6	-	-	0.69	3.61	0.80	0.35
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	0.43	14.88		1	0.57	0.70	-	2102a	36.0	2.1	-	2.1	-	-	0.50	4.03	0.76	0.61
10	0.46	15.89	-	-	0.61	0.75	-	2245a	38.4	2.3	-	2.3	-	-	0.54	4.31	0.81	0.65
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	1.14	7.78		1	1.47	-	-	2002a	47.2	3.7	-	4.3	99.1	-	0.61	3.27	0.67	0.29
18	1.20	8.24	-	-	1.55	-	-	2122a	50.0	3.9	-	4.6	105.1	-	0.64	3.47	0.71	0.30
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.83		1	-	-	-	1389a	205.3	29.2	-	36.3	502.3	-	0.90	4.81	1.30	0.60
22	-	0.90	-	-	-	-	-	2281a	221.4	31.5	-	39.1	541.6	-	0.97	5.19	1.41	0.65
23	0.28	7.57		1	-	0.10	-	-	3.4	1.8	-	1.1	-	-	-	-	-	-
24	0.37	10.08	-	-	-	0.13	-	-	4.5	2.4	-	1.4	-	-	-	-	-	-
25	0.42	11.20		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0.43	11.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.35	10.95		3	0.18	1.81	-	-	4.3	2.5	-	0.9	-	-	-	0.90	0.18	0.05
29	0.37	11.76	-	-	0.19	1.94	-	-	4.6	2.6	-	1.0	-	-	-	0.97	0.20	0.05
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	5.50	17	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	5.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	0.18		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.11		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	0.70		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	0.40		2	-	-	-	-	-	-	-	-	-	-		0.02		
50	-	0.44	-	-	-	-	-	-	-	-	-	-	-	-		0.02		
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	0.04	0.65		1	-	-	-	-	-	-	-	11.1	-	-	0.69	1.79	0.38	0.41
54	0.04	0.71	-	-	-	-	-	-	-	-	-	12.0	-	-	0.75	1.94	0.42	0.45
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	0.33		1	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.35	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.03		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	ARTEMISIA TRIDENTATA. SAGEBRUSH, BIG		-	-	-	-	-	-	-	-
02	-BROWSE, FRESH, STEM CURED, (2)	2-07-992	-	-	-	-	-	-	-	-
03			100.0	-	-	1.98	-	-	-	1.13
04	ARTOCARPUS ALTILIS. BREADFRUIT		-	-	-	-	-	-	-	-
05	-FRUIT, (4)	4-10-619	30.7	0.73*	-	0.82*	623.*	0.60*	-	0.67*
06			100.0	2.39*	-	2.65*	2029.*	1.96*	-	2.18*
07	-FRUIT, DEHY GRND, (4)	4-10-441	87.5	-	-	3.26*	3445.*	-	-	2.67*
08			100.0	-	-	3.72*	3937.*	-	-	3.05*
09	ASMERUS SPP. FISH, SMELT		-	-	-	-	-	-	-	-
10	-WHOLE, RAW, (5)	5-07-975	21.0	-	-	-	-	-	-	-
11			100.0	-	-	-	-	-	-	-
12	ASPARAGUS OFFICINALIS. ASPARAGUS		-	-	-	-	-	-	-	-
13	-STEM BUTTS, FRESH, (2)	2-00-436	35.6	-	-	0.93*	-	-	-	0.76*
14			100.0	-	-	2.60*	-	-	-	2.13*
15	ATRIPLEX CONFERTIFOLIA. SALTBUSH, SHADSCALE		-	-	-	-	-	-	-	-
16	-BROWSE, FRESH, STEM CURED, (2)	2-05-565	-	-	-	-	-	-	-	-
17			100.0	-	-	1.35	-	-	-	0.85
18	AVENA ELIATOR. OAT, ELIATOR		-	-	-	-	-	-	-	-
19	-HAY, S-C, (1)	1-11-030	-	-	-	-	-	-	-	-
20			100.0	2.67*	1.88*	2.53*	-	2.19*	1.54*	2.08*
21	-AERIAL PART, ENSILED, (3)	3-11-031	25.7	0.67*	-	0.71*	-	0.55*	-	0.59*
22			100.0	2.60*	-	2.78*	-	2.13*	-	2.28*
23	AVENA FATUA. OATS, WILD		-	-	-	-	-	-	-	-
24	-GRAIN, (4)	4-03-394	91.0	2.82*	-	2.45*	2652.*	2.31*	-	2.01*
25			100.0	3.09*	-	2.69*	2913.*	2.54*	-	2.20*
26	AVENA SATIVA. OATS		-	-	-	-	-	-	-	-
27	-GROATS BY-PRODUCT, MX 22% FIBER, (1)	1-03-332	91.2	1.25*	1.51*	1.67*	1013.*	1.02*	1.23*	1.37*
28	OAT MILL BY-PRODUCT (AAFCO)		100.0	1.37*	1.65*	1.83*	1111.*	1.12*	1.35*	1.50*
29	-HAY, S-C, (1)	1-03-280	90.5	2.41*	1.63*	2.16*	-	1.98*	1.35*	1.77*
30			100.0	2.67*	1.80*	2.39*	-	2.19*	1.48*	1.96*
31	-HAY, S-C, 60 TO 66 DAYS' GROWTH, (1)	1-10-576	-	-	-	-	-	-	-	-
32			100.0	2.28*	-	2.48*	-	1.87*	-	2.04*
33	-HAY, S-C, 67 TO 73 DAYS' GROWTH, (1)	1-10-577	-	-	-	-	-	-	-	-
34			100.0	2.41*	1.88*	2.36*	-	1.98*	1.54*	1.94*
35	-HAY, S-C, 74 TO 80 DAYS' GROWTH, (1)	1-10-578	-	-	-	-	-	-	-	-
36			100.0	2.23*	1.97*	2.22*	-	1.83*	1.61*	1.82*
37	-HAY, S-C GRND, RIPE SEED, CUT 1, (1)	1-10-354	90.0	2.19*	1.51*	1.92*	-	1.80*	1.24*	1.58*
38			100.0	2.43*	1.67*	2.14*	-	2.00*	1.37*	1.75*
39	-HULLS, (1)	1-03-281	92.3	1.40*	0.98*	1.43*	1197.*	1.15*	0.81*	1.17*
40	OAT HULLS (AAFCO)		100.0	1.52*	1.07*	1.55*	1296.*	1.25*	0.87*	1.27*
41	-STRAW, (1)	1-03-283	92.1	2.13*	1.77*	1.76	-	1.75*	1.45*	1.44*
42			100.0	2.31*	1.92*	1.91	-	1.90*	1.58*	1.57*
43	-AERIAL PART, FRESH, (2)	2-03-292	33.5	1.03*	-	0.90*	-	0.84*	-	0.74*
44			100.0	3.07*	-	2.69*	-	2.52*	-	2.20*
45	-AERIAL PART, FRESH, 67 TO 73 DAYS' GROWTH, (2)	2-11-238	14.8	0.44*	-	0.42*	-	0.36*	-	0.35*
46			100.0	2.97*	-	2.86*	-	2.44*	-	2.35*
47	-AERIAL PART, FRESH, 88 TO 94 DAYS' GROWTH, (2)	2-11-237	18.5	0.44*	-	0.48*	-	0.36*	-	0.39*
48			100.0	2.39*	-	2.60*	-	1.96*	-	2.13*
49	-AERIAL PART, ENSILED, (3)	3-03-298	20.3	0.52*	-	0.51*	-	0.43*	-	0.42*
50			100.0	2.58*	-	2.53*	-	2.12*	-	2.07*
51	-CEREAL BY-PRODUCT, MX 4% FIBER, (4)	4-03-303	90.5	3.53*	-	3.88*	3408.*	2.89*	-	3.19*
52			100.0	3.90*	-	4.29*	3767.*	3.20*	-	3.52*
53	-FLOUR BY-PRODUCT, (4)	4-09-584	90.3	2.47*	-	2.86*	2499.*	2.02*	-	2.34*
54			100.0	2.73*	-	3.17*	2768.*	2.24*	-	2.60*
55	-GRAIN, (4)	4-03-309	88.3	2.52*	-	2.94*	2734.*	2.07*	-	2.41*
56			100.0	2.86*	-	3.32*	3095.*	2.34*	-	2.73*
57	-GRAIN, THRESHER-RUN, MX WT 34 LB	4-08-161	90.0	2.72*	-	3.14*	3025.*	2.23*	-	2.58*
58	PER BUSHEL MN 10% MX 20% FOREIGN		100.0	3.02*	-	3.49*	3361.*	2.48*	-	2.86*
59	MATERIAL, (4)		-	-	-	-	-	-	-	-
60	-GRAIN, THRESHER-RUN, MX WT 34 LB	4-08-160	90.0	2.74*	-	3.15*	3031.*	2.24*	-	2.58*
61	PER BUSHEL MX 10% FOREIGN MATERIAL,		100.0	3.04*	-	3.50*	3368.*	2.49*	-	2.87*
62	(4)		-	-	-	-	-	-	-	-
63	-GRAIN, GR 2 HEAVY US MN WT 36 LB	4-03-315	89.6	2.97*	-	3.08*	3034.*	2.43*	-	2.52*
64	PER BUSHEL MX 3% FOREIGN MATERIAL, (4)		100.0	3.31*	-	3.43*	3429.*	2.71*	-	2.81*
65	-GRAIN, GR 4 US MN WT 27 LB PER	4-03-318	90.2	2.48*	-	2.53*	907.*	2.03*	-	2.08*
66	BUSHEL MX 5% FOREIGN MATERIAL, (4)		100.0	2.74*	-	2.80*	1005.*	2.25*	-	2.30*
67	-GRAIN, GR 3 US MN WT 30 LB PER	4-03-317	91.4	2.86*	-	2.92*	2895.*	2.34*	-	2.45*
68	BUSHEL MX 4% FOREIGN MATERIAL, (4)		100.0	3.12*	-	3.27*	3163.*	2.56*	-	2.68*
69	-GRAIN, GR 2 US MN WT 32 LB PER	4-03-316	88.8	2.83*	-	2.92*	2953.*	2.32*	-	2.46*
70	BUSHEL MX 3% FOREIGN MATERIAL, (4)		100.0	3.19*	-	3.37*	3326.*	2.62*	-	2.76*
71	-GRAIN, GR 1 US MN WT 34 LB PER	4-03-313	90.2	-	-	-	-	-	-	-
72	BUSHEL MX 2% FOREIGN MATERIAL, (4)		100.0	-	-	-	-	-	-	-
73	-GRAIN, PACIFIC COAST, (4)	4-07-999	91.2	2.85*	-	3.18*	3059.*	2.33*	-	2.61*
74			100.0	3.12*	-	3.49*	3354.*	2.56*	-	2.86*
75	-GRAIN, GR SAMPLE US, (4)	4-03-310	87.2	2.55*	-	2.82*	2729.*	2.09*	-	2.32*
76			100.0	2.92*	-	3.24*	3128.*	2.40*	-	2.65*
77	-GROATS, (4)	4-03-331	88.9	3.68*	-	3.99*	3482.*	3.01*	-	3.27*
78	OAT GROATS (AAFCO)		100.0	4.13*	-	4.48*	3915.*	3.39*	-	3.68*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-		1
03	-	-	-	-	-	-	-	43a	-	-	9.0	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	598.*	-	0.35*	0.14*	0.35*	17.*	-	18.*	14.*	-	6.1		1
06	1946.*	-	1.15*	0.44*	1.15*	54.*	-	60.*	46.*	-	19.9	-	-
07	3307.*	-	-	-	-	-	-	74.*	78.*	-	2.1		1
08	3780.*	-	-	-	-	-	-	84.*	89.*	-	2.4	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	18.6		1
11	-	-	-	-	-	-	-	-	-	-	88.6	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	21.*	-	-	3.6		1
14	-	-	-	-	-	-	-	59.*	-	-	10.1	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-		2
17	-	-	-	-	-	-	-	33a	-	-	7.1	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-		2
20	-	-	1.30*	0.67*	1.37*	60.*	47.*	57.*	-	-	6.0	-	-
21	-	-	0.32*	0.16*	0.34*	15.*	-	16.*	-	-	2.2		2
22	-	-	1.26*	0.62*	1.32*	59.*	-	63.*	-	-	8.5	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	2546a*	-	1.41*	0.89*	1.55*	64a*	-	55a*	60a*	-	12.8	5	5
25	2797a*	-	1.55*	0.98*	1.70*	70a*	-	61a*	66a*	-	14.0	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	852.*	759.	0.69*	0.60*	0.32*	28.	37.	38.	23.	-	4.9	32	21
28	934.*	832.	0.75*	0.66*	0.35*	31.	40.	42.	25.	-	5.4	-	-
29	-	-	1.17*	0.61*	1.24*	55a	40a*	49a	-	-	8.0	24	12
30	-	-	1.30*	0.68*	1.37*	61a	45a*	54a	-	-	8.3	-	-
31	-	-	-	-	-	-	-	-	-	-	-		1
32	-	-	1.10*	0.34*	1.06*	52.*	-	56.*	-	-	21.9	-	-
33	-	-	-	-	-	-	-	-	-	-	-		1
34	-	-	1.17*	0.47*	1.17*	55.*	47.*	54.*	-	-	13.0	-	-
35	-	-	-	-	-	-	-	-	-	-	-		1
36	-	-	1.08*	0.30*	1.03*	51.*	49.*	50.*	-	-	11.4	-	-
37	-	-	1.06*	0.44*	1.07*	50.*	37.*	44.	-	-	5.6		1
38	-	-	1.18*	0.48*	1.19*	55.*	41.*	49.	-	-	6.2	-	-
39	1011a*	-	0.74*	0.43*	0.43*	32a	23a	32a	27a	-	5.2	98	10
40	1095a*	-	0.80*	0.46*	0.47*	34a	24a	35a	29a	-	5.6	-	-
41	-	-	1.03*	0.35*	1.00*	48.	44.	43.	-	-	4.4	41	66
42	-	-	1.12*	0.38*	1.09*	52.	48.	46.	-	-	4.7	-	-
43	-	-	0.51*	0.32*	0.56*	23.	-	20.	-	-	2.7	32	9
44	-	-	1.54*	0.97*	1.68*	70.	-	61.	-	-	8.1	-	-
45	-	-	0.22*	0.13*	0.24*	10.*	-	10.*	-	-	2.6		1
46	-	-	1.47*	0.90*	1.61*	67.*	-	65.*	-	-	17.7	-	-
47	-	-	0.21*	0.08*	0.21*	10.*	-	11.*	-	-	2.3		1
48	-	-	1.15*	0.44*	1.15*	54.*	-	59.*	-	-	12.6	-	-
49	-	-	0.25*	0.12*	0.26*	12a	-	12a*	-	-	3.0		2
50	-	-	1.25*	0.61*	1.30*	59a	-	57a*	-	-	14.9	-	-
51	3271.*	-	1.96*	1.29*	2.11*	80.*	-	88.	77.*	-	14.2	8	12
52	3616.*	-	2.17*	1.42*	2.33*	88.*	-	97.	85.*	-	15.7	-	-
53	2399.*	-	1.20*	0.65*	1.28*	56.*	-	65.*	57.*	-	7.6		2
54	2657.*	-	1.33*	0.72*	1.42*	62.*	-	72.*	63.*	-	8.5	-	-
55	2177a*	2483a	1.24*	0.72*	1.34*	57a*	61a	67a	62a	-	11.4	17	7
56	2465a*	2810a	1.40*	0.82*	1.52*	65a*	69a	75a	70a	-	12.9	-	-
57	2904.*	-	1.35*	0.84*	1.48*	62.*	-	71.*	69.*	-	11.4	7	9
58	3227.*	-	1.50*	0.93*	1.64*	68.*	-	79.*	76.*	-	12.7	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	2910.*	-	1.36*	0.85*	1.49*	62.*	-	71.*	69.*	-	11.4	12	13
61	3233.*	-	1.52*	0.94*	1.66*	69.*	-	79.*	76.*	-	12.7	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	2951a*	-	1.52*	1.00*	1.68*	67a*	-	70a*	70a*	-	12.7		2
64	3291a*	-	1.70*	1.11*	1.87*	75a*	-	78a*	78a*	-	14.1	-	-
65	750.*	-	1.21*	0.66*	1.29*	56.*	-	57.*	21.	-	10.5	24	4
66	831.*	-	1.34*	0.73*	1.43*	62.*	-	64.*	23.	-	11.7	-	-
67	2779a*	-	1.43*	0.91*	1.58*	65a*	-	68a*	66a*	-	12.1		1
68	3041a*	-	1.57*	1.00*	1.72*	71a*	-	74a*	72a*	-	13.2	-	-
69	2835a*	-	1.43*	0.92*	1.58*	64a*	-	68a*	67a*	-	11.4		1
70	3193a*	-	1.61*	1.04*	1.78*	72a*	-	76a*	75a*	-	12.8	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	2937a*	2712a	1.43*	0.91*	1.57*	65a*	-	72a*	69a*	-	9.0		2
74	3220a*	2974a	1.57*	1.00*	1.72*	71a*	-	79a*	76a*	-	9.9	-	-
75	2620a*	-	1.26*	0.75*	1.37*	58a*	-	64a*	62a*	-	10.9		2
76	3002a*	-	1.44*	0.86*	1.57*	66a*	-	73a*	71a*	-	12.5	-	-
77	3343a*	-	2.13*	1.36*	2.23*	83a*	-	90a*	79a*	-	15.8	10	17
78	3758a*	-	2.39*	1.53*	2.51*	94a*	-	102a*	89a*	-	17.7	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-		1
03	5.5*	5.2*	3.8	-	-	-	-	-	8.2	0.98	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	4.4*	4.7*	4.7*	-	-	6.0		1	1.7	0.09		1
06	14.3*	15.4*	15.4*	-	-	19.5	-	-	5.5	0.29	-	-
07	-1.5*	-0.4*	-0.4*	-	-	4.3		1	1.0	-	-	-
08	-1.7*	-0.5*	-0.5*	-	-	4.9	-	-	1.1	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	2.1	-	-	-
11	-	-	-	-	-	-	-	-	10.0	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	2.3*	2.2*	2.3*	-	-	13.3		1	2.1	-	-	-
14	6.5*	6.1*	6.4*	-	-	37.4	-	-	5.9	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-		2
17	3.9*	3.6*	3.6	-	-	-	-	-	2.5	2.40	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-		2	-	-	-	-
20	7.1*	2.6*	1.9*	-	-	27.5	-	-	2.9	-	-	-
21	1.0*	1.0*	1.0*	-	-	8.2		2	0.8	-	-	-
22	4.0*	4.0*	4.0*	-	-	31.8	-	-	3.3	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	8.1*	9.2*	9.2	-	-	15.0		3	5.6	-	-	-
25	8.9*	10.1*	10.1	-	-	16.5	-	-	6.1	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	2.7	3.2	2.8	2.9	-	28.3	12	21	1.7	0.13		2
28	2.9	3.5	3.1	3.2	-	31.0	-	-	1.9	0.14	-	-
29	3.8	4.5*	4.6	-	-	28.6	9	10	1.9	0.25		2
30	4.2	5.0*	5.1	-	-	31.6	-	-	2.1	0.27	-	-
31	-	-	-	-	-	-		1	-	-	-	-
32	15.9*	16.1*	16.2*	-	-	24.1	-	-	5.4	-	-	-
33	-	-	-	-	-	-		1	-	-	-	-
34	8.2*	8.5*	8.2*	-	-	25.8	-	-	4.5	-	-	-
35	-	-	-	-	-	-		1	-	-	-	-
36	6.8*	7.2*	6.8*	-	-	32.3	-	-	3.2	-	-	-
37	2.1*	2.5*	2.0	-	-	28.0		1	1.8	-	-	-
38	2.3*	2.8*	2.2	-	-	31.1	-	-	2.0	-	-	-
39	1.7	4.7	1.5	2.9	-	27.7	31	10	1.8	0.15		2
40	1.8	5.1	1.7	3.2	-	30.0	-	-	2.0	0.16	-	-
41	1.4	2.5	0.3	-	-	36.5	9	66	2.0	0.24	43	58
42	1.5	2.7	0.4	-	-	39.6	-	-	2.2	0.26	-	-
43	2.0	1.5*	2.0	-	-	9.1	26	9	1.0	0.17	33	5
44	5.9	4.4*	5.9	-	-	27.0	-	-	3.1	0.50	-	-
45	1.9*	1.9*	2.0*	-	-	5.8		1	0.6	-	-	-
46	12.9*	12.6*	13.5*	-	-	25.9	-	-	4.3	-	-	-
47	1.6*	1.5*	1.6*	-	-	6.4		1	0.5	-	-	-
48	8.6*	8.2*	8.7*	-	-	34.4	-	-	2.9	-	-	-
49	1.7	2.0*	2.0*	-	-	5.9		2	0.7	0.07	44	45
50	8.5	9.8*	9.8*	-	-	29.3	-	-	3.2	0.36	-	-
51	9.4*	10.5*	11.3	-	-	5.5	58	13	6.8	0.08		2
52	10.4*	11.6*	12.5	-	-	6.1	-	-	7.5	0.09	-	-
53	3.4*	4.5*	4.5*	-	-	17.8		2	3.3	-	-	-
54	3.8*	5.0*	5.0*	-	-	19.7	-	-	3.7	-	-	-
55	7.0*	9.0	8.9	9.3	-	14.2	58	7	3.9	0.54		1
56	7.9*	10.2	10.1	10.5	-	16.1	-	-	4.4	0.61	-	-
57	6.9*	8.0*	8.0*	-	-	10.2	9	9	1.7	-	-	-
58	7.7*	8.9*	8.9*	-	-	11.3	-	-	1.9	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	6.9*	8.0*	8.0*	-	-	10.3	8	13	1.6	-	-	-
61	7.6*	8.8*	8.8*	-	-	11.5	-	-	1.8	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	8.1*	9.1*	9.1*	-	-	9.4		2	4.3	-	-	-
64	9.0*	10.2*	10.2*	-	-	10.4	-	-	4.8	-	-	-
65	6.1*	7.2*	7.3	7.0	-	17.3	34	4	3.6	-	-	-
66	6.8*	7.9*	8.1	7.7	-	19.1	-	-	4.0	-	-	-
67	7.4*	8.5*	8.5*	-	-	12.8		1	4.6	-	-	-
68	8.1*	9.3*	9.3*	-	-	14.0	-	-	5.0	-	-	-
69	6.9*	8.0*	8.0*	-	-	10.8		1	4.2	0.06		1
70	7.8*	9.0*	9.0*	-	-	12.2	-	-	4.7	0.07	-	-
71	-	-	-	-	-	-	-	-	-	0.08		1
72	-	-	-	-	-	-	-	-	-	0.09	-	-
73	4.6*	5.7*	5.7*	-	-	11.0		2	5.4	0.08		1
74	5.1*	6.3*	6.3*	-	-	12.1	-	-	5.9	0.09	-	-
75	6.5*	7.6*	7.6*	-	-	12.0		2	4.2	-	-	-
76	7.5*	8.7*	8.7*	-	-	13.7	-	-	4.8	-	-	-
77	10.9*	12.0*	12.0*	-	-	2.6	42	18	6.6	0.09	36	6
78	12.3*	13.5*	13.5*	-	-	2.9	-	-	7.5	0.10	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.13		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.27		1	-	-	-	-	14.0	-	-	1.2	-	-	-	-	-	-
11	-	1.29	-	-	-	-	-	-	66.7	-	-	5.7	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	0.15	-	-	-	-	-	-	-	27.2	35.3	-	1.6	-	-	-	0.40	0.11	-
25	0.16	-	-	-	-	-	-	-	29.9	39.8	-	1.7	-	-	-	0.44	0.12	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.07	0.21		2	0.51	0.13	-	323a	8.1	2.8	-	2.0	-	-	-	-	-	0.16
28	0.08	0.23	-	-	0.56	0.15	-	354a	8.9	3.1	-	2.2	-	-	-	-	-	0.18
29	0.16	0.12		2	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-
30	0.18	0.13	-	-	0.58	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	0.10		2	0.48	-	-	87a	3.4	-	-	0.6	-	-	-	-	-	-
40	-	0.11	-	-	0.52	-	-	94a	3.7	-	-	0.7	-	-	-	-	-	-
41	0.18	0.41	98	58	2.05	0.20	-	-	-	-	-	-	-	-	-	-	-	-
42	0.20	0.46	-	-	2.23	0.22	-	-	-	-	-	-	-	-	-	-	-	-
43	0.05	0.09		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	0.15	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	0.05	33	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.47		2	0.56	-	-	1102a	20.3	17.6	-	1.7	-	-	-	0.46	0.22	0.21
52	-	0.51	-	-	0.62	-	-	1218a	22.4	19.4	-	1.9	-	-	-	0.48	0.25	0.24
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.17		1	0.41	0.20	-	939a	12.4	13.1	-	1.1	-	-	0.17	0.37	0.17	0.14
56	-	0.19	-	-	0.47	0.23	-	1063a	14.0	14.8	-	1.2	-	-	0.19	0.42	0.19	0.16
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.27		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	0.30		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.30		1	-	-	-	959a	13.9	13.2	-	1.1	-	-	0.17	0.40	0.13	0.12
74	-	0.33	-	-	-	-	-	1052a	15.2	14.5	-	1.2	-	-	0.19	0.45	0.14	0.13
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	0.12	0.43	4	6	0.36	0.20	-	-	8.0	15.8	-	1.3	-	-	-	-	-	-
78	0.13	0.48	-	-	0.40	0.22	-	-	9.0	17.8	-	1.5	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	AVENA SATIVA. OATS, WHITE		-	-	-	-	-	-	-	-
02	-GRAIN, CAN 2 CW MN WT 36	4-03-378	88.5	2.88*	-	2.99*	2961.*	2.36*	-	2.45*
03			100.0	3.25*	-	3.38*	3345.*	2.66*	-	2.77*
04	LB PER BUSHEL MX 3% FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
05	-GRAIN, CAN 3 CW MN WT 34	4-03-380	88.4	2.90*	-	2.89	2721.	2.38*	-	2.37*
06			100.0	3.28*	-	3.27	3077.	2.69*	-	2.68*
07	LB PER BUSHEL MX 6% FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
08	-GRAIN, CAN 2 FEED MN WT 28	4-03-379	87.8	2.83*	-	2.96*	2356.	2.32*	-	2.42*
09			100.0	3.22*	-	3.37*	2682.	2.64*	-	2.76*
10	LB PER BUSHEL MX 22% FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
11	-GRAIN, CAN 3 FEED MX 33% FOREIGN MATERIAL, (4)	4-03-381	88.7	2.80*	-	2.96*	2916.	2.30*	-	2.42*
12			100.0	3.16*	-	3.33*	3288.	2.59*	-	2.73*
13	AXONOPUS AFFINIS. CARPETGRASS, COMMON		-	-	-	-	-	-	-	-
14	-AERIAL PART, FRESH, (2)	2-09-399	32.5	-	-	-	-	-	-	-
15			100.0	-	-	-	-	-	-	-
16	AXONOPUS COMPRESSUS. CARPETGRASS, TROPICAL		-	-	-	-	-	-	-	-
17	-AERIAL PART, FRESH, (2)	2-01-141	32.8	0.99*	-	0.92*	-	0.81*	-	0.75*
18			100.0	3.00*	-	2.80*	-	2.46*	-	2.30*
19	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-10-429	-	-	-	-	-	-	-	-
20			100.0	2.61*	-	2.68*	-	2.14*	-	2.20*
21	AXONOPUS MICAY. CARPETGRASS, MICAY		-	-	-	-	-	-	-	-
22	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-11-218	24.4	0.55*	-	0.61*	-	0.45*	-	0.50*
23			100.0	2.26*	-	2.52*	-	1.86*	-	2.06*
24	AXONOPUS PURPUSSI. CARPETGRAS, PURPUSSI		-	-	-	-	-	-	-	-
25	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-11-220	23.0	0.53*	-	0.55*	-	0.43*	-	0.45*
26			100.0	2.29*	-	2.41*	-	1.88*	-	1.97*
27	AXONOPUS PURPUSSI. CARPETGRASS, PURPUSSI		-	-	-	-	-	-	-	-
28	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-11-219	25.7	0.54*	-	0.63*	-	0.44*	-	0.52*
29			100.0	2.10*	-	2.45*	-	1.72*	-	2.01*
30	AXONOPUS SCOPARIUS. CARPETGRASS, IMPERIAL		-	-	-	-	-	-	-	-
31	-AERIAL PART, FRESH, (2)	2-09-405	20.5	0.47*	-	0.52*	-	0.39*	-	0.42*
32			100.0	2.31*	-	2.52*	-	1.89*	-	2.07*
33	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-10-096	14.2	-	-	-	-	-	-	-
34			100.0	-	-	-	-	-	-	-
35	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-097	15.9	-	-	-	-	-	-	-
36			100.0	-	-	-	-	-	-	-
37	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-09-793	17.0	0.44*	-	0.44*	-	0.36*	-	0.36*
38			100.0	2.61*	-	2.61*	-	2.14*	-	2.14*
39	-AERIAL PART,	2-09-794	16.0	0.34*	-	0.39*	-	0.28*	-	0.32*
40	FRESH, 179 TO 185 DAYS' GROWTH, (2)		100.0	2.13*	-	2.42*	-	1.75*	-	1.98*
41	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-09-904	20.0	-	-	-	-	-	-	-
42			100.0	-	-	-	-	-	-	-
43	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-209	20.0	0.50*	-	0.51*	-	0.41*	-	0.42*
44			100.0	2.51*	-	2.55*	-	2.06*	-	2.09*
45	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-09-404	22.7	-	-	-	-	-	-	-
46			100.0	-	-	-	-	-	-	-
47	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-09-403	20.4	-	-	-	-	-	-	-
48			100.0	-	-	-	-	-	-	-
49	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-09-402	18.4	-	-	-	-	-	-	-
50			100.0	-	-	-	-	-	-	-
51	-AERIAL PART, FRESH, RIPE SEED, (2)	2-09-903	20.0	-	-	-	-	-	-	-
52			100.0	-	-	-	-	-	-	-
53	AXONOPUS SCOPARIUS. CARPETGRASS		-	-	-	-	-	-	-	-
54	-AERIAL PART, FRESH FERTILIZED, 53 TO 59 DAYS'	2-10-396	17.9	0.35*	-	0.48*	-	0.29*	-	0.39*
55	GROWTH, (2)		100.0	1.96*	-	2.67*	-	1.61*	-	2.19*
56	AXONOPUS SCOPARIUS. CARPETGRASS, IMPERIAL		-	-	-	-	-	-	-	-
57	-AERIAL PART,	2-10-208	16.7	0.40*	-	0.40*	-	0.33*	-	0.33*
58	FRESH FERTILIZED, JOINTING AND BOOT,		100.0	2.37*	-	2.41*	-	1.95*	-	1.98*
59	(2)		-	-	-	-	-	-	-	-
60	-LEAVES, FRESH, (2)	2-10-206	17.6	0.44*	-	0.43*	-	0.36*	-	0.35*
61			100.0	2.49*	-	2.45*	-	2.04*	-	2.01*
62	-STEMS, FRESH FERTILIZED, (2)	2-10-207	19.8	0.40*	-	0.45*	-	0.33*	-	0.37*
63			100.0	2.02*	-	2.29*	-	1.66*	-	1.88*
64	AXONOPUS SCOPARIUS, PENNISETUM PURPUREUM.		-	-	-	-	-	-	-	-
65	CARPETGRASS, IMPERIAL-NAPIERGRASS		-	-	-	-	-	-	-	-
66	-PENNISETUM PURPUREUM, AERIAL PART, ENSILED, (3)	3-09-411	20.5	0.47*	-	-	-	0.38*	-	-
67			100.0	2.29*	-	-	-	1.88*	-	-
68	BAKERY		-	-	-	-	-	-	-	-
69	-REFUSE, DEHY GRND, MX SALT DECLARED	4-00-466	92.5	-	-	-	3762.*	-	-	-
70	ABOVE 3.5%, (4)		100.0	-	-	-	4067.*	-	-	-
71	DRIED BAKERY PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
72	BALAENA GLACIALIS, BALAENOPTERA SPP, PHYSETER		-	-	-	-	-	-	-	-
73	CATADON. WHALE		-	-	-	-	-	-	-	-
74	-BALAENOPTERA SPP, PHYSETER	5-07-986	29.1	-	-	-	-	-	-	-
75	CATADON, MEAT, RAW, (5)		100.0	-	-	-	-	-	-	-
76	BAMBUSA VENTRICOSA. BAMBOO, BUDDHA		-	-	-	-	-	-	-	-
77	-LEAVES, DEHY, (1)	1-10-582	93.4	2.03*	1.88*	1.97*	-	1.66*	1.54*	1.62*
78			100.0	2.17*	2.02*	2.11*	-	1.78*	1.65*	1.73*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	2842.*	-	1.46*	0.95*	1.61*	65.*	-	68.*	67.*	-	11.2	12	36
03	3211.*	-	1.65*	1.08*	1.82*	74.*	-	77.*	76.*	-	12.7	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	2170.*	-	1.40*	0.97*	1.64*	66.*	-	65.*	66.*	-	11.4	9	36
06	2454.*	-	1.68*	1.10*	1.85*	75.*	-	73.*	75.*	-	12.9	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	1881.*	-	1.43*	0.93*	1.58*	64.*	-	67.*	50.*	-	10.9	10	39
09	2142.*	-	1.63*	1.06*	1.80*	73.*	-	76.*	66.*	-	12.4	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	2800.*	-	1.41*	0.91*	1.55*	64.*	-	67.*	66.*	-	10.7	13	14
12	3157.*	-	1.59*	1.02*	1.75*	72.*	-	76.*	74.*	-	12.1	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	3.2	24	34
15	-	-	-	-	-	-	-	-	-	-	10.0	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	0.49*	0.30*	0.53*	22.	-	21.*	-	-	2.9	20	45
18	-	-	1.49*	0.92*	1.63*	68.	-	64.*	-	-	8.7	-	-
19	-	-	-	-	-	-	-	-	-	-	-		1
20	-	-	1.27*	0.63*	1.32*	59.*	-	61.*	-	-	5.3	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	0.27*	0.08*	0.26*	13.*	-	14.*	-	-	1.8		1
23	-	-	1.10*	0.33*	1.05*	51.*	-	57.*	-	-	7.6	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	0.25*	0.08*	0.25*	12.*	-	13.*	-	-	1.1		3
26	-	-	1.11*	0.36*	1.07*	52.*	-	55.*	-	-	4.7	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	0.26*	0.05*	0.24*	12.*	-	14.*	-	-	1.4		1
29	-	-	1.02*	0.18*	0.93*	48.*	-	56.*	-	-	5.5	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	0.23*	0.08*	0.22*	11.*	-	12.*	-	-	1.6	36	23
32	-	-	1.12*	0.38*	1.09*	52.*	-	57.*	-	-	7.8	-	-
33	-	-	-	-	-	-	-	-	-	-	1.6		1
34	-	-	-	-	-	-	-	-	-	-	11.0	-	-
35	-	-	-	-	-	-	-	-	-	-	1.4		1
36	-	-	-	-	-	-	-	-	-	-	8.5	-	-
37	-	-	0.22*	0.11*	0.22*	10.*	-	10.*	-	-	1.5		1
38	-	-	1.27*	0.63*	1.32*	59.*	-	59.*	-	-	8.6	-	-
39	-	-	0.17*	0.03*	0.15*	8.*	-	9.*	-	-	0.8		1
40	-	-	1.04*	0.21*	0.95*	48.*	-	55.*	-	-	5.1	-	-
41	-	-	-	-	-	-	-	-	-	-	2.2		1
42	-	-	-	-	-	-	-	-	-	-	11.2	-	-
43	-	-	0.24*	0.11*	0.25*	11.*	-	12.*	-	-	1.8	34	4
44	-	-	1.21*	0.55*	1.25*	57.*	-	58.*	-	-	8.8	-	-
45	-	-	-	-	-	-	-	-	-	-	1.2		3
46	-	-	-	-	-	-	-	-	-	-	5.4	-	-
47	-	-	-	-	-	-	-	-	-	-	1.1		2
48	-	-	-	-	-	-	-	-	-	-	5.6	-	-
49	-	-	-	-	-	-	-	-	-	-	1.8		3
50	-	-	-	-	-	-	-	-	-	-	9.9	-	-
51	-	-	-	-	-	-	-	-	-	-	2.0		3
52	-	-	-	-	-	-	-	-	-	-	9.8	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	0.17*	0.01*	0.15*	8.	-	11.*	-	-	2.1	22	6
55	-	-	0.97*	0.04*	0.82*	44.	-	60.*	-	-	11.8	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	0.19*	0.07*	0.19*	9.*	-	9.*	-	-	1.2		1
58	-	-	1.15*	0.43*	1.14*	54.*	-	55.*	-	-	7.2	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.21*	0.09*	0.22*	10.*	-	10.*	-	-	1.6		1
61	-	-	1.20*	0.53*	1.23*	56.*	-	56.*	-	-	8.9	-	-
62	-	-	0.20*	0.02*	0.17*	9.*	-	10.*	-	-	0.6		1
63	-	-	0.99*	0.10*	0.86*	46.*	-	52.*	-	-	3.0	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	0.23*	0.07*	0.22*	11.*	-	-	-	-	1.2		1
67	-	-	1.11*	0.35*	1.07*	52.*	-	-	-	-	5.9	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	3612.*	4007.	-	-	-	-	-	-	85.*	-	11.5		2
70	3905.*	4332.	-	-	-	-	-	-	92.*	-	12.5	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	20.6		1
75	-	-	-	-	-	-	-	-	-	-	70.8	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	0.99*	0.23*	0.92*	46.*	47.*	45.*	-	-	9.7		1
78	-	-	1.05*	0.25*	0.98*	49.*	50.*	48.*	-	-	10.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	6.8*	7.8*	7.8*	-	-	10.8	11	9	4.5	0.08	26	27
03	7.7*	8.9*	8.9*	-	-	12.2	-	-	5.1	0.09	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	6.9*	8.0*	8.7	9.2	-	11.0	17	25	4.8	0.10	44	17
06	7.[illegible]*	9.1*	9.9	10.4	-	12.5	-	-	5.4	0.12	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	6.5*	7.5*	7.5*	8.7	-	11.0	17	28	4.4	0.09	21	11
09	7.4*	8.6*	8.6*	9.9	-	12.5	-	-	5.0	0.10	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	6.3*	7.4*	7.4*	-	-	11.9		3	4.3	0.09	38	10
12	7.1*	8.3*	8.3*	-	-	13.4	-	-	4.9	0.10	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	2.1*	1.9*	2.0*	-	-	-	-	-	-	-	-	-
15	6.4*	6.0*	6.3*	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	1.4	1.6*	1.7*	-	-	7.8	25	11	0.6	0.11	46	33
18	4.4	4.9*	5.1*	-	-	23.6	-	-	1.8	0.35	-	-
19	-	-	-	-	-	-		1	-	-	-	-
20	2.4*	2.0*	1.9*	-	-	28.3	-	-	0.7	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	1.1*	1.0*	1.0*	-	-	9.0		1	0.4	0.03		1
23	4.3*	4.0*	4.0*	-	-	36.7	-	-	1.7	0.11	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	0.4*	0.4*	0.3*	-	-	7.6		3	0.4	0.04		3
26	1.9*	1.6*	1.4*	-	-	33.2	-	-	1.6	0.20	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	0.7*	0.6*	0.5*	-	-	9.5		1	0.6	0.04		1
29	2.5*	2.2*	2.1*	-	-	37.2	-	-	2.2	0.15	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	0.9*	0.9*	0.9*	-	-	7.1		3	0.4	-	-	-
32	4.6*	4.2*	4.3*	-	-	34.8	-	-	2.1	-	-	-
33	1.0*	1.0*	1.0*	-	7.8	4.0		1	0.7	-	-	-
34	7.2*	6.9*	7.2*	-	55.2	28.3	-	-	4.6	-	-	-
35	0.8*	0.8*	0.8*	-	9.5	4.6		1	0.6	-	-	-
36	5.1*	4.7*	4.9*	-	59.5	28.7	-	-	3.6	-	-	-
37	0.9*	0.8*	0.8*	-	-	5.0		1	0.5	-	-	-
38	5.2*	4.8*	5.0*	-	-	29.7	-	-	3.0	-	-	-
39	0.4*	0.3*	0.3*	-	-	5.8		1	0.3	-	-	-
40	2.2*	1.8*	1.7*	-	-	36.2	-	-	2.0	-	-	-
41	1.5*	1.4*	1.5*	-	-	-	-	-	-	-	-	-
42	7.4*	7.1*	7.4*	-	-	-	-	-	-	-	-	-
43	1.1*	1.0*	1.0*	-	-	6.3	13	4	0.3	0.13	66	4
44	5.3*	5.0*	5.2*	-	-	31.4	-	-	1.4	0.64	-	-
45	0.6*	0.5*	0.5*	-	-	-	-	-	-	-	-	-
46	2.5*	2.1*	2.0*	-	-	-	-	-	-	-	-	-
47	0.5*	0.5*	0.5*	-	-	-	-	-	-	-	-	-
48	2.7*	2.3*	2.2*	-	-	-	-	-	-	-	-	-
49	1.2*	1.1*	1.1*	-	-	-	-	-	-	-	-	-
50	6.3*	5.9*	6.2*	-	-	-	-	-	-	-	-	-
51	1.2*	1.2*	1.2*	-	-	8.6		2	0.5	0.13		2
52	6.2*	5.8*	6.1*	-	-	43.0	-	-	2.6	0.64	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	1.0	1.3*	1.4*	-	-	4.7	11	6	0.5	-	-	-
55	5.5	7.5*	8.0*	-	-	26.1	-	-	2.7	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	0.7*	0.6*	0.6*	-	-	6.3		1	0.2	0.05		1
58	4.0*	3.6*	3.7*	-	-	37.9	-	-	1.1	0.29	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	1.0*	0.9*	0.9*	-	-	6.2		1	0.2	0.08		1
61	5.4*	5.1*	5.2*	-	-	35.0	-	-	1.2	0.45	-	-
62	0.1*			-	-	8.4		1	0.2	0.03		1
63	0.4*	0.1*	-0.1*	-	-	42.2	-	-	0.9	0.13	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	0.3*	0.3*	0.3*	-	-	7.4		1	0.5	-	-	-
67	1.6*	1.6*	1.6*	-	-	36.1	-	-	2.5	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	6.9*	8.0*	8.0*	-	-	0.7		2	13.8	0.06		3
70	7.5*	8.7*	8.7*	-	-	0.8	-	-	15.0	0.07	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	7.5	0.01		1
75	-	-	-	-	-	-	-	-	25.8	0.03	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	5.5*	5.9*	5.5*	-	-	24.4		1	2.3	0.20		1
78	5.9*	6.3*	5.9*	-	-	26.1	-	-	2.5	0.21	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Conf. Ver.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.34	16	27	-	-	-	-	15.0	26.4	-	1.9	-	-	-	-	-	-
03	-	0.38	-	-	-	-	-	-	16.9	29.8	-	2.1	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	22.93	0.33	14	17	-	-	-	-	3.5	17.7	-	0.4	-	-	-	0.32	0.10	-
06	82.98	0.38	-	-	-	-	-	-	3.9	20.0	-	0.5	-	-	-	0.36	0.12	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.33	14	11	-	-	-	-	29.8	22.7	-	1.5	-	-	-	0.29	0.11	-
09	-	0.37	-	-	-	-	-	-	33.9	25.9	-	1.8	-	-	-	0.33	0.13	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	0.14	0.37	14	10	-	-	-	-	16.3	19.9	-	1.8	-	-	-	0.27	0.07	-
12	0.15	0.41	-	-	-	-	-	-	18.4	22.4	-	2.0	-	-	-	0.31	0.08	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.05	43	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	0.02		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.02	21	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	0.15	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	0.77	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.32	0.37		3	0.84	0.02	414.5	1247a	19.2	25.9	-	1.9	-	-	0.16	0.30	0.15	0.09
70	0.35	0.40	-	-	0.91	0.02	448.1	1349a	20.8	28.0	-	2.0	-	-	0.17	0.33	0.16	0.10
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	0.14		1	0.02	-	-	-	-	-	-	0.8	-	-	-	-	-	-
75	-	0.48	-	-	0.07	-	-	-	-	-	-	2.7	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	0.09		1	-	-	-	-	31.0	-	-	500.0	-	-	-	-	-	-
78	-	0.10	-	-	-	-	-	-	33.2	-	-	959.3	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	BAMBUSA VULGARIS. BAMBOO, COMMON		-	-	-	-	-	-	-	-
02	-LEAVES, DEHY, (1)	1-10-444	91.9	2.03*	1.88*	1.94*	-	1.67*	1.54*	1.59*
03			100.0	2.21*	2.05*	2.12*	-	1.81*	1.68*	1.74*
04	BARLEY DISTILLERS DRIED SOLUBLES (AAFCO)		-	-	-	-	-	-	-	-
05	-SEE HORDEUM VULGARE, DISTILLERS		-	-	-	-	-	-	-	-
06	SOLUBLES, DEHY, (5)		-	-	-	-	-	-	-	-
07	BARLEY GRAIN, LIGHT		-	-	-	-	-	-	-	-
08	-SEE HORDEUM VULGARE, GRAIN, GR 5 US		-	-	-	-	-	-	-	-
09	MN WT 36 LB PER BUSHEL MX 6% FOREIGN		-	-	-	-	-	-	-	-
10	MATERIAL, (4)		-	-	-	-	-	-	-	-
11	BEEF LIVER		-	-	-	-	-	-	-	-
12	-SEE BOS SPP, LIVERS, RAW, (5)		-	-	-	-	-	-	-	-
13	BEEF SCRAP		-	-	-	-	-	-	-	-
14	-SEE BOS SPP, CARCASS RESIDUE, DRY		-	-	-	-	-	-	-	-
15	RENDERED DEHY GRND, (5)		-	-	-	-	-	-	-	-
16	BEET MOLASSES (AAFCO)		-	-	-	-	-	-	-	-
17	-SEE BETA SACCHARIFERA SUGAR,		-	-	-	-	-	-	-	-
18	MOLASSES, MN 48% INVERT SUGAR MN 79.5		-	-	-	-	-	-	-	-
19	DEGREES BRIX, (4)		-	-	-	-	-	-	-	-
20	BERTHOLLETIA EXCELSA. BRAZIL NUTS		-	-	-	-	-	-	-	-
21	-KERNELS W HULLS, GRND, (4)	4-09-709	89.3	-	-	-	4702.*	-	-	-
22			100.0	-	-	-	5265.*	-	-	-
23	-MEATS, (4)	4-00-875	91.0	-	-	-	-	-	-	-
24			100.0	-	-	-	-	-	-	-
25	BETA SACCHARIFERA. BEET, SUGAR		-	-	-	-	-	-	-	-
26	-AERIAL PART W CROWNS, FRESH, (2)	2-00-649	17.0	0.46*	-	0.53*	-	0.37*	-	0.43*
27			100.0	2.69*	-	3.11*	-	2.20*	-	2.55*
28	-PULP, WET, (2)	2-00-671	11.4	0.31*	-	0.38*	-	0.26*	-	0.31*
29			100.0	2.74*	-	3.36*	-	2.25*	-	2.76*
30	-AERIAL PART W CROWNS, ENSILED, (3)	3-00-660	24.8	0.34*	-	0.62*	-	0.21*	-	0.51*
31			100.0	1.35*	-	2.49*	-	1.11*	-	2.04*
32	-MOLASSES, MN 48%	4-00-668	78.1	-	-	2.60*	-	-	-	2.13*
33	INVERT SUGAR MN 79.5 DEGREES BRIX, (4)		100.0	-	-	3.33*	-	-	-	2.73*
34	BEET MOLASSES (AAFCO)		-	-	-	-	-	-	-	-
35	-PULP, DEHY, (4)	4-00-669	90.7	2.88*	-	2.92*	2985▲*	2.36*	-	2.40*
36	DRIED BEET PULP (AAFCO)		100.0	3.17*	-	3.22*	3289▲*	2.60*	-	2.64*
37	-PULP W MOLASSES, DEHY, (4)	4-00-672	92.3	2.93*	-	3.19*	3084▲*	2.41*	-	2.62*
38			100.0	3.18*	-	3.46*	3342▲*	2.61*	-	2.83*
39	-PULP W STEFFENS FILTRATE, DEHY, (4)	4-00-675	91.9	2.18*	-	3.05*	2512▲*	1.79*	-	2.50*
40	DRIED BEET PRODUCT (AAFCO)		100.0	2.38*	-	3.32*	2733▲*	1.95*	-	2.72*
41	-SOLUBLES W LOW K	5-00-679	60.4	-	-	-	-	-	-	-
42	SALTS AND GLUTAMIC ACID, CONDENSED,		100.0	-	-	-	-	-	-	-
43	(5)		-	-	-	-	-	-	-	-
44	CONDENSED BEET SOLUBLES PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
45	BETA SPP. BEET, MANGELS		-	-	-	-	-	-	-	-
46	-ROOTS, (2)	2-00-637	13.2	0.45*	-	0.49*	461▲*	0.37*	-	0.40*
47			100.0	3.43*	-	3.68*	3488▲*	2.81*	-	3.02*
48	BLOOD FLOUR		-	-	-	-	-	-	-	-
49	-SEE ANIMAL, BLOOD, SPRAY DEHY, (5)		-	-	-	-	-	-	-	-
50	BOEHMERIA NIVEA. RAMIE		-	-	-	-	-	-	-	-
51	-AERIAL PART, DEHY, (1)	1-10-580	94.0	3.05*	-	2.78*	-	2.50*	-	2.28*
52			100.0	3.25*	-	2.96*	-	2.66*	-	2.42*
53	-AERIAL PART, DEHY, MIDBLOOM, (1)	1-10-583	89.0	2.44*	1.33*	2.38*	-	2.00*	1.09*	1.95*
54			100.0	2.74*	1.49*	2.67*	-	2.25*	1.22*	2.19*
55	-AERIAL PART, DEHY-GRND, (1)	1-10-581	89.1	-	-	1.95*	-	-	-	1.60*
56			100.0	-	-	2.19*	-	-	-	1.79*
57	-HAY, S-C, (1)	1-09-745	89.3	2.17*	1.77*	2.10*	-	1.78*	1.45*	1.72*
58			100.0	2.43*	1.98*	2.35*	-	1.99*	1.62*	1.92*
59	-LEAVES, (1)	1-03-861	91.3	2.80*	1.61*	2.61*	-	2.29*	1.32*	2.14*
60			100.0	3.06*	1.76*	2.86*	-	2.51*	1.45*	2.34*
61	-STEMS, S-C, (1)	1-09-591	89.0	2.00*	1.38*	2.01*	-	1.64*	1.14*	1.65*
62			100.0	2.24*	1.56*	2.26*	-	1.84*	1.28*	1.85*
63	-AERIAL PART, FRESH, (2)	2-03-859	8.9	0.22*	-	0.24*	-	0.18*	-	0.20*
64			100.0	2.46*	-	2.73*	-	2.02*	-	2.24*
65	BOMBYX MORI. SILKWORM		-	-	-	-	-	-	-	-
66	-CHRYSALIS, GRND, (5)	5-09-735	-	-	-	-	-	-	-	-
67			100.0	-	-	4.51*	-	-	-	3.70*
68	BONE MEAL, STEAMED (AAFCO)		-	-	-	-	-	-	-	-
69	-SEE ANIMAL, BONE, STEAMED DEHY GRND,		-	-	-	-	-	-	-	-
70	(6)		-	-	-	-	-	-	-	-
71	BONE PHOSPHATE (AAFCO)		-	-	-	-	-	-	-	-
72	-SEE ANIMAL, BONE PHOSPHATE,		-	-	-	-	-	-	-	-
73	PRECIPITATED DEHY, MN 17% P, (6)		-	-	-	-	-	-	-	-
74	BOS SPP. CATTLE		-	-	-	-	-	-	-	-
75	-WHEY, DEHY, MN 65% LACTOSE, (4)	4-01-182	92.9	2.51*	-	3.45*	3075▲	2.05*	-	2.83*
76	DRIED WHEY (AAFCO)		100.0	2.70*	-	3.71*	3310▲	2.21*	-	3.04*
77	-BUTTERMILK, CONDENSED, MN 27% TOTAL	5-01-159	29.3	-	-	1.15*	-	-	-	0.95*
78	SOLIDS MN 0.055% FAT MX 0.14% ASH PER		100.0	-	-	3.95*	-	-	-	3.24*
79	1% SOLIDS, (5)		-	-	-	-	-	-	-	-
80	CONDENSED BUTTERMILK (AAFCO)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	0.59*	0.26*	0.93*	46.*	47.*	44.*	-	-	10.0		2
03	-	-	1.07*	0.28*	1.01*	50.*	51.*	48.*	-	-	10.8	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	4513.*	-	-	-	-	-	-	-	107.*	-	15.2		1
22	5054.*	-	-	-	-	-	-	-	119.*	-	17.0	-	-
23	-	-	-	-	-	-	-	-	-	-	35.7		1
24	-	-	-	-	-	-	-	-	-	-	39.2	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	0.22*	0.12*	0.24*	10▲*	-	12▲	-	-	2.7	4	4
27	-	-	1.31*	0.69*	1.38*	61▲*	-	71▲	-	-	15.6	-	-
28	-	-	0.15*	0.08*	0.16*	7▲*	-	9▲	-	-	1.3	17	4
29	-	-	1.34*	0.73*	1.42*	62▲*	-	76▲	-	-	11.7	-	-
30	-	-	0.19*	0.16*	0.08*	8▲*	-	14▲	-	-	3.2		3
31	-	-	0.75*	0.68*	0.34*	31▲*	-	56▲	-	-	13.0	-	-
32	-	1945▲	-	-	-	-	-	59▲*	-	-	6.7	18	4
33	-	2490▲	-	-	-	-	-	76▲*	-	-	8.5	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	2618▲*	612▲	1.45*	0.94*	1.60*	65▲	72▲	66▲	68▲	-	8.7	7	9
36	2885▲*	674▲	1.60*	1.03*	1.76*	72▲	80▲	73▲	75▲	-	9.6	-	-
37	2805▲*	660▲	1.48*	0.95*	1.62*	67▲	-	72▲	70▲	-	9.0	4	6
38	3040▲*	715▲	1.61*	1.03*	1.77*	72▲	-	78▲	76▲	-	9.8	-	-
39	2411▲*	-	1.06*	0.40*	1.05*	50▲*	-	69▲*	57▲*	-	10.2		1
40	2624▲*	-	1.15*	0.44*	1.14*	54▲*	-	75▲*	62▲*	-	11.2	-	-
41	-	-	-	-	-	-	-	-	-	-	18.3		2
42	-	-	-	-	-	-	-	-	-	-	30.3	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	381▲*	-	0.24*	0.16*	0.26*	10▲	-	11▲	10▲	-	1.5	24	7
47	2880▲*	-	1.78*	1.18*	1.96*	78▲	-	83▲	79▲	-	11.3	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	1.55*	1.01*	1.71*	69.*	-	63.*	-	-	23.3	18	14
52	-	-	1.65*	1.08*	1.82*	74.*	-	67.*	-	-	24.8	-	-
53	-	-	1.19*	0.65*	1.27*	55.*	32.*	54.*	-	-	14.0		2
54	-	-	1.34*	0.73*	1.43*	62.*	36.*	61.*	-	-	15.8	-	-
55	-	-	-	-	-	-	-	44.*	-	-	16.4		1
56	-	-	-	-	-	-	-	50.*	-	-	18.4	-	-
57	-	-	1.05*	0.43*	1.05*	49.*	44.*	48.*	-	-	11.1		3
58	-	-	1.17*	0.48*	1.18*	55.*	50.*	53.*	-	-	12.5	-	-
59	-	-	1.40*	0.88*	1.53*	63.*	40.*	59.*	-	-	17.5		1
60	-	-	1.53*	0.96*	1.68*	69.*	44.*	65.*	-	-	19.2	-	-
61	-	-	0.97*	0.28*	0.92*	45.*	34.*	46.*	-	-	7.2		1
62	-	-	1.09*	0.31*	1.04*	51.*	38.*	51.*	-	-	8.1	-	-
63	-	-	0.11*	0.05*	0.11*	5▲*	-	6▲*	-	-	1.7		1
64	-	-	1.19*	0.51*	1.21*	56▲*	-	62▲*	-	-	19.1	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-		2
67	-	-	-	-	-	-	-	102.*	-	-	56.9	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	2963▲	1850▲	1.22*	0.65*	1.29*	57▲*	-	78▲*	74▲*	-	14.3	26	13
76	3190▲	1991▲	1.31*	0.70*	1.39*	61▲*	-	84▲*	79▲*	-	15.4	-	-
77	-	-	-	-	-	-	-	26▲*	-	-	10.8		2
78	-	-	-	-	-	-	-	89▲*	-	-	36.9	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	5.8*	6.2*	5.8*	-	-	22.3		2	2.5	0.19		1
03	6.3*	6.7*	6.3*	-	-	24.3	-	-	2.7	0.21	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	10.4*	11.5*	11.5*	-	-	9.6		1	31.3	-	-	-
22	11.6*	12.8*	12.8*	-	-	10.8	-	-	35.1	-	-	-
23	29.2*	30.2*	30.2*	-	-	5.4		1	24.6	-	-	-
24	32.0*	33.2*	33.2*	-	-	5.9	-	-	27.0	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	1.9*	1.8*	2.0	-	-	1.9	3	4	0.4	0.17		1
27	11.2*	10.8*	11.6	-	-	11.0	-	-	2.3	1.01	-	-
28	0.9*	0.8*	0.7	-	-	3.4	33	4	0.2	0.10		2
29	7.8*	7.5*	6.4	-	-	30.1	-	-	2.1	0.86	-	-
30	2.0*	2.0*	2.2	-	-	3.1		3	0.6	0.24		1
31	8.0*	8.0*	9.0	-	-	12.6	-	-	2.6	0.98	-	-
32	3.0*	4.0*	3.5	-	-	-	-	-	0.2	0.12		3
33	3.9*	5.1*	4.4	-	-	-	-	-	0.3	0.16	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	3.9	6.0	4.5	3.6	-	17.7	14	12	0.5	0.68		3
36	4.3	6.6	5.0	3.9	-	19.5	-	-	0.6	0.75	-	-
37	6.0	5.7*	6.0	2.3	-	13.0	43	6	0.7	0.56		3
38	6.5	6.2*	6.5	2.4	-	14.1	-	-	0.7	0.61	-	-
39	6.3*	7.4*	7.4*	-	-	15.7		1	0.3	-	-	-
40	6.9*	8.1*	8.1*	-	-	17.1	-	-	0.4	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	1.0	0.9*	1.0	1.0	-	1.0	11	7	0.1	0.03		1
47	7.9	7.1*	7.6	7.5	-	7.5	-	-	0.6	0.22	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	17.3*	17.5*	17.7*	-	-	13.0	21	14	3.8	4.01	12	13
52	18.4*	18.6*	18.8*	-	-	13.8	-	-	4.1	4.27	-	-
53	9.4*	9.7*	9.5*	-	-	17.7		2	4.7	3.30		2
54	10.6*	10.9*	10.7*	-	-	19.8	-	-	5.3	3.71	-	-
55	11.5*	11.7*	11.7*	-	-	20.3		1	4.6	3.67		1
56	12.9*	13.2*	13.1*	-	-	22.8	-	-	5.2	4.12	-	-
57	6.9*	7.2*	6.9*	-	-	23.9		3	3.1	3.63		1
58	7.7*	8.1*	7.7*	-	-	26.8	-	-	3.4	4.06	-	-
59	12.4*	12.6*	12.6*	-	-	15.5		1	3.3	-	-	-
60	13.6*	13.8*	13.8*	-	-	17.0	-	-	3.6	-	-	-
61	3.5*	3.9*	3.4*	-	-	38.3		1	1.2	1.58		1
62	3.9*	4.4*	3.8*	-	-	43.0	-	-	1.3	1.78	-	-
63	1.3*	1.2*	1.3*	-	-	2.2		3	0.3	-	-	-
64	14.1*	13.7*	14.8*	-	-	24.5	-	-	3.5	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-		2	-	-		1
67	-	-	-	-	-	4.3	-	-	29.8	0.40	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	9.4*	10.5*	10.5*	-	-	1.7	98	8	1.3	1.03	56	9
76	10.1*	11.3*	11.3*	-	-	1.8	-	-	1.4	1.11	-	-
77	-	-	-	-	-	0.1		1	2.4	0.45		2
78	-	-	-	-	-	0.3	-	-	8.1	1.51	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.09		1	-	-	-	-	25.5	-	-	049.2	-	-	-	-	-	-
03	-	0.10	-	-	-	-	-	-	27.8	-	-	846.8	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0.18	0.04		1	0.98	0.10	-	-	-	-	-	0.5	-	-	-	-	-	-
27	1.07	0.22	-	-	5.79	0.57	-	-	-	-	-	3.0	-	-	-	-	-	-
28	-	0.01		2	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	0.10	-	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.05		1	1.41	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.22	-	-	5.70	-	-	-	-	-	-	-	-	-	-	-	-	-
32	0.23	0.03		3	4.74	0.48	-	874▲	42.0	4.6	-	2.4	-	-	-	-	-	-
33	0.29	0.03	-	-	6.07	0.61	-	1119▲	53.8	5.9	-	3.1	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.27	0.09	17	5	0.19	0.20	-	826▲	16.2	1.5	-	0.7	-	-	0.01	0.63	0.01	0.10
36	0.30	0.10	-	-	0.21	0.22	-	910▲	17.9	1.7	-	0.7	-	-	0.01	0.69	0.01	0.11
37	0.15	0.08		3	1.64	0.39	-	826▲	16.3	1.5	-	0.7	-	-	-	-	-	-
38	0.16	0.08	-	-	1.78	0.42	-	895▲	17.7	1.7	-	0.7	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	3.10	-	-	6375▲	-	-	-	-	-	-	-	-	-	0.19
42	-	-	-	-	5.14	-	-	9057▲	-	-	-	-	-	-	-	-	-	0.32
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	0.03	0.03		1	0.30	0.03	-	-	-	-	-	-	-	-	-	-	-	-
47	0.22	0.22	-	-	2.28	0.22	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.32	43	13	-	-	-	-	66.3	-	-	109.8	-	-	-	-	-	-
52	-	0.34	-	-	-	-	-	-	70.5	-	-	010.4	-	-	-	-	-	-
53	-	0.17		2	-	-	-	-	45.0	-	-	289.7	-	-	-	-	-	-
54	-	0.19	-	-	-	-	-	-	50.5	-	-	685.N	-	-	-	-	-	-
55	-	0.31		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	0.35		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	0.36		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.33		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	0.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.13	0.77	27	8	0.90	1.04	-	1570▲	9.6	44.0	-	26.1	16.6	-	0.30	0.94	0.19	0.19
76	0.14	0.83	-	-	0.97	1.12	-	1690▲	10.3	47.4	-	28.1	17.9	-	0.32	1.01	0.21	0.20
77	0.19	0.26		2	0.23	0.03	-	-	-	-	-	12.5	-	-	-	-	-	-
78	0.65	0.89	-	-	0.79	0.10	-	-	-	-	-	42.8	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-BUTTERMILK, DEHY, FEED GR MX 8%	5-01-160	92.3	3.06*	-	3.79*	3387.*	2.51*	-	3.11*
02	MOISTURE MX 13% ASH MN 5% FAT, (5)		100.0	3.31*	-	4.11*	3668.*	2.72*	-	3.37*
03	DRIED BUTTERMILK, FEED GRADE (AAFCO)		-	-	-	-	-	-	-	-
04	-CARCASS RESIDUE, DRY RENDERED DEHY GRND, (5)	5-01-161	90.9	3.02*	-	3.14*	-	2.48*	-	2.58*
05			100.0	3.32*	-	3.46*	-	2.72*	-	2.83*
06	-CASEIN, MILK ACID-PRECIPITATED DEHY,	5-01-162	90.6	-	-	3.82*	-	-	-	3.14*
07	MN 80% PROTEIN, (5)		100.0	-	-	4.22*	-	-	-	3.46*
08	CASEIN (AAFCO)		-	-	-	-	-	-	-	-
09	-CHEESE, COTTAGE WET, (5)	5-08-001	21.0	-	-	-	-	-	-	-
10			100.0	-	-	-	-	-	-	-
11	-LIVERS, RAW, (5)	5-01-166	27.2	-	-	-	-	-	-	-
12			100.0	-	-	-	-	-	-	-
13	-MILK, DEHY, FEED GR MX 8% MOISTURE MN	5-01-167	96.3	-	-	5.21*	-	-	-	4.27*
14	26% FAT, (5)		100.0	-	-	5.41*	-	-	-	4.43*
15	DRIED WHOLE MILK, FEED GRADE (AAFCO)		-	-	-	-	-	-	-	-
16	-MILK, FRESH, (5)	5-01-168	12.6	0.71*	-	0.71*	690.*	0.58*	-	0.59*
17			100.0	5.66*	-	5.61*	5476.*	4.65*	-	4.60*
18	-MILK, SKIMMED CENTRIFUGAL, (5)	5-01-170	9.4	0.38*	-	0.38*	408.*	0.31*	-	0.31*
19			100.0	3.98*	-	4.04*	4330.*	3.26*	-	3.31*
20	-MILK, SKIMMED DEHY, MX 8% MOISTURE, (5)	5-01-175	94.0	-	-	3.56*	3740.*	-	-	2.92*
21	DRIED SKIMMED MILK, FEED GRADE (AAFCO)		100.0	-	-	3.78*	3977.*	-	-	3.10*
22	-SPLEEN, RAW, (5)	5-07-942	23.1	-	-	-	-	-	-	-
23			100.0	-	-	-	-	-	-	-
24	-WHEY ALBUMIN, HEAT-AND	5-01-177	92.1	-	-	2.58*	-	-	-	2.12*
25	ACID-PRECIPITATED DEHY, MN 75%		100.0	-	-	2.80*	-	-	-	2.30*
26	PROTEIN, (5)		-	-	-	-	-	-	-	-
27	DRIED MILK ALBUMIN (AAFCO)		-	-	-	-	-	-	-	-
28	BOS TAURUS. CATTLE		-	-	-	-	-	-	-	-
29	-BLOOD, DEHY GRND, (5)	5-10-109	91.7	-	-	-	-	-	-	-
30			100.0	-	-	-	-	-	-	-
31	-CARCASS RESIDUE, DRY RENDERED DEHY GRND, (5)	5-10-110	93.0	-	-	-	-	-	-	-
32			100.0	-	-	-	-	-	-	-
33	-CARCASS RESIDUE W BONE, DRY	5-10-111	95.9	-	-	-	-	-	-	-
34	RENDERED DEHY GRND, (5)		100.0	-	-	-	-	-	-	-
35	-LIVERS, DEHY GRND, (5)	5-10-102	91.6	-	-	-	-	-	-	-
36			100.0	-	-	-	-	-	-	-
37	-BONES, DEHY GRND, (6)	6-10-104	96.2	-	-	-	-	-	-	-
38			100.0	-	-	-	-	-	-	-
39	BOUTELOUA SPP. GRAMA		-	-	-	-	-	-	-	-
40	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-02-164	-	-	-	-	-	-	-	-
41			100.0	2.42*	-	2.47*	-	1.98*	-	2.03*
42	-AERIAL PART, FRESH, RIPE SEED, (2)	2-02-166	63.4	-	-	-	-	-	-	-
43			100.0	-	-	-	-	-	-	-
44	BRACHIARIA DECUMBENS. SIGNALGRASS, SHEEP		-	-	-	-	-	-	-	-
45	AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-123	-	-	-	-	-	-	-	-
46			100.0	2.57*	-	2.64*	-	2.11*	-	2.16*
47	BRACHIARIA SPP. SIGNALGRASS		-	-	-	-	-	-	-	-
48	-AERIAL PART, FRESH, (2)	2-09-639	18.8	-	-	-	-	-	-	-
49			100.0	-	-	-	-	-	-	-
50	BRASSICA CAMPESTRIS. RAPE, POLISH		-	-	-	-	-	-	-	-
51	-SEEDS, MECH-EXTD GRND, (5)	5-07-871	93.4	2.97*	-	3.24*	-	2.43*	-	2.66*
52			100.0	3.18*	-	3.47*	-	2.60*	-	2.84*
53	-SEEDS, SOLV-EXTD GRND, (5)	5-07-870	92.8	-	-	-	-	-	-	-
54			100.0	-	-	-	-	-	-	-
55	BRASSICA NAPUS. RAPE, ARGENTINE		-	-	-	-	-	-	-	-
56	-SEEDS, MECH-EXTD GRND, (5)	5-07-869	93.1	3.04*	-	3.35*	-	2.49*	-	2.75*
57			100.0	3.27*	-	3.60*	-	2.68*	-	2.95*
58	-SEEDS, SOLV-EXTD GRND, (5)	5-07-868	93.2	-	-	-	-	-	-	-
59			100.0	-	-	-	-	-	-	-
60	BRASSICA NAPUS. RAPE, CANADA		-	-	-	-	-	-	-	-
61	-SEEDS, COOKED MECH-EXTD	5-08-136	94.0	2.96*	-	3.21*	-	2.42*	-	2.63*
62	GRND, CAN 1 MX 6% FAT, (5)		100.0	3.14*	-	3.41*	-	2.58*	-	2.80*
63	-SEEDS, COOKED PRE-PRESS	5-08-135	92.0	-	-	3.04*	-	-	-	2.49*
64	SOLV-EXTD GRND, CAN 1 MX 1% FAT, (5)		100.0	-	-	3.30*	-	-	-	2.71*
65	BRASSICA NAPUS. RAPE, WINTER		-	-	-	-	-	-	-	-
66	-SEEDS, (5)	5-10-445	92.4	2.93*	-	3.14*	-	2.41*	-	2.57*
67			100.0	3.18*	-	3.39*	-	2.60*	-	2.78*
68	BRASSICA OLERACEA, CAPITATA. CABBAGE		-	-	-	-	-	-	-	-
69	-CAPITATA, AERIAL PART, FRESH, (2)	2-01-046	9.5	0.34*	-	0.35*	-	0.28*	-	0.29*
70			100.0	3.61*	-	3.65*	-	2.96*	-	2.99*
71	BRASSICA RAPA. TURNIP		-	-	-	-	-	-	-	-
72	-ROOTS, FRESH. (4)	4-05-067	9.6	0.22*	-	0.35*	337.*	0.18*	-	0.28*
73			100.0	2.34*	-	3.62*	3514.*	1.92*	-	2.96*
74	BRASSICA SPP. RAPE		-	-	-	-	-	-	-	-
75	-SEEDS, MECH-EXTD GRND, (5)	5-03-870	95.0	2.98*	-	3.16*	-	2.44*	-	2.5[illegible]*
76			100.0	3.13*	-	3.33*	-	2.57*	-	2.73*
77	-SEEDS, SOLV-EXTD GRND, (5)	5-03-871	91.2	2.68*	-	2.95*	-	2.20*	-	2.42*
78			100.0	2.94*	-	3.24*	-	2.41*	-	2.65*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	2615.*	2760.	1.57*	1.03*	1.73*	69.*	-	86.	77.	-	3[illegible].6	4	17
02	2832.*	2989.	1.70*	1.12*	1.87*	75.*	-	93.	83.	-	34.2	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	1.55*	1.02*	1.71*	68.*$_a$	-	71.$_a$	-	-	44.9	14	15
05	-	-	1.70*	1.12*	1.88*	75.*$_a$	-	78.$_a$	-	-	49.4	-	-
06	-	-	-	-	-	-	-	87.$_a$	-	-	81.1		3
07	-	-	-	-	-	-	-	96.$_a$	-	-	89.5	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	17.0		1
10	-	-	-	-	-	-	-	-	-	-	81.0	-	-
11	-	-	-	-	-	-	-	-	-	-	20.0	7	4
12	-	-	-	-	-	-	-	-	-	-	73.6	-	-
13	-	-	-	-	-	-	-	118.$_a$*	-	-	25.5		3
14	-	-	-	-	-	-	-	123.$_a$*	-	-	26.5	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	527.$_a$*	-	0.57*	0.25*	0.47*	16.$_a$	-	16.$_a$*	16.$_a$	-	3.5	3	5
17	4184.$_a$*	-	4.52*	2.01*	3.70*	126.$_a$	-	127.$_a$*	124.$_a$	-	27.8	-	-
18	311.$_a$*	-	0.21*	0.14*	0.23*	9.$_a$	-	9.$_a$*	9.$_a$	-	3.3		3
19	3299.$_a$*	-	2.25*	1.46*	2.39*	90.$_a$	-	92.$_a$*	98.$_a$	-	34.5	-	-
20	2850.$_a$*	2541.$_a$	-	-	-	-	-	81.$_a$	85.$_a$	-	33.9	1	6
21	3031.$_a$*	2702.$_a$	-	-	-	-	-	86.$_a$	90.$_a$	-	36.0	-	-
22	-	-	-	-	-	-	-	-	-	-	18.1		1
23	-	-	-	-	-	-	-	-	-	-	78.4	-	-
24	-	-	-	-	-	-	-	59.$_a$*	-	-	48.4		2
25	-	-	-	-	-	-	-	64.$_a$*	-	-	52.5	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	87.6	3	19
30	-	-	-	-	-	-	-	-	-	-	95.6	-	-
31	-	-	-	-	-	-	-	-	-	-	78.3	12	11
32	-	-	-	-	-	-	-	-	-	-	84.2	-	-
33	-	-	-	-	-	-	-	-	-	-	65.2	1	10
34	-	-	-	-	-	-	-	-	-	-	68.0	-	-
35	-	-	-	-	-	-	-	-	-	-	71.0	1	14
36	-	-	-	-	-	-	-	-	-	-	77.5	-	-
37	-	-	-	-	-	-	-	-	-	-	21.7	4	10
38	-	-	-	-	-	-	-	-	-	-	22.6	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-		1
41	-	-	1.17*	0.47*	1.17*	55.$_a$*	-	56.$_a$*	-	-	8.3	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-		1
46	-	-	1.25*	0.60*	1.29*	58.*	-	60.*	-	-	12.6	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	1.4		1
49	-	-	-	-	-	-	-	-	-	-	7.6	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	1.50*	0.96*	1.65*	67.*	-	74.*	-	-	34.2		2
52	-	-	1.60*	1.03*	1.76*	72.*	-	79.*	-	-	36.6	-	-
53	-	-	-	-	-	-	-	-	-	-	37.5		1
54	-	-	-	-	-	-	-	-	-	-	40.5	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	1.55*	1.01*	1.71*	69.*	-	76.*	-	-	40.8		2
57	-	-	1.67*	1.09*	1.84*	74.*	-	82.*	-	-	43.8	-	-
58	-	-	-	-	-	-	-	-	-	-	40.1		1
59	-	-	-	-	-	-	-	-	-	-	43.0	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	1.49*	0.95*	1.64*	67.*	-	73.*	-	-	35.2		1
62	-	-	1.58*	1.01*	1.74*	71.*	-	77.*	-	-	37.4	-	-
63	-	-	-	-	-	-	-	69.*	-	-	40.5		1
64	-	-	-	-	-	-	-	75.*	-	-	44.0	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	1.48*	0.95*	1.63*	57.*	-	71.*	-	-	33.4		1
67	-	-	1.60*	1.03*	1.76*	72.*	-	77.*	-	-	36.1	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	0.18*	0.12*	0.20*	8.*	-	8.	-	-	2.0		3
70	-	-	1.92*	1.28*	2.10*	82.*	-	83.	-	-	20.8	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	301.*	-	0.11*	0.04*	0.11*	5.*	-	8.	8.	-	1.1	22	4
73	3132.*	-	1.13*	0.40*	1.11*	53.*	-	82.	80.	-	11.4	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	1.50*	0.96*	1.65*	68.*	-	72.*	-	-	32.2		1
76	-	-	1.58*	1.01*	1.73*	71.*	-	75.*	-	-	33.9	-	-
77	-	-	1.33*	0.80*	1.44*	61.*	-	67.*	-	-	37.4	3	14
78	-	-	1.45*	0.88*	1.58*	67.*	-	73.*	-	-	41.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	28.4	29.3	-	8.0	98	4	4.6	1.32	7	4
02	-	-	30.8	31.8	-	8.6	-	-	5.0	1.43	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	36.9	-	-	1.3	47	14	9.3	5.31		1
05	-	-	40.5	-	-	1.4	-	-	10.2	5.84	-	-
06	-	-	78.7	-	-	0.2		1	0.8	0.32		2
07	-	-	86.8	-	-	0.2	-	-	0.9	0.35	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	0.3	0.09		1
10	-	-	-	-	-	-	-	-	1.4	0.43	-	-
11	-	-	-	-	-	-	-	-	3.4	0.01	22	4
12	-	-	-	-	-	-	-	-	12.5	0.04	-	-
13	-	-	-	-	-	0.2		2	26.7	0.90		3
14	-	-	-	-	-	0.2	-	-	27.8	0.94	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	3.4	-	3.3	3.4	-	-	-	-	3.6	0.12		3
17	26.7	-	26.4	26.9	-	-	-	-	28.5	0.93	-	-
18	-	-	-	3.2	-			-	0.1	0.13		1
19	-	-	-	32.8	-		-	-	1.0	1.37	-	-
20	-	-	30.5	33.2	-	8.6	98	4	1.0	1.27		4
21	-	-	32.4	35.3	-	9.2	-	-	1.1	1.35	-	-
22	-	-	-	-	-	-	-	-	3.0	-	-	-
23	-	-	-	-	-	-	-	-	13.0	-	-	-
24	-	-	-	-	-	0.8		2	1.0	10.86		2
25	-	-	-	-	-	0.9	-	-	1.1	11.79	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	0.6		1	0.5	0.06		1
30	-	-	-	-	-	0.7	-	-	0.6	0.07	-	-
31	-	-	-	-	-	-	-	-	7.4	10.25		1
32	-	-	-	-	-	-	-	-	8.0	11.02	-	-
33	-	-	-	-	-	-	-	-	10.3	-	-	-
34	-	-	-	-	-	-	-	-	10.7	-	-	-
35	-	-	-	-	-	-	-	-	12.2	-	-	-
36	-	-	-	-	-	-	-	-	13.3	-	-	-
37	-	-	-	-	-	-	-	-	10.0	23.64	36	11
38	-	-	-	-	-	-	-	-	10.4	24.57	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-		1	-	-	-	-
41	4.9*	4.6*	4.7*	-	-	28.9	-	-	1.9	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-		1	-	-		1
46	3.6*	8.3*	8.8*	-	-	32.4	-	-	2.0	0.17	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	0.8*	0.7*	0.8*	-	-	5.8		1	-	-	-	-
49	4.3*	4.0*	4.1*	-	-	31.1	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	13.8		2	6.6	0.71		1
52	-	-	-	-	-	14.8	-	-	7.1	0.76	-	-
53	-	-	-	-	-	12.6		[illegible]	[illegible]	0.46		1
54	-	-	-	-	-	13.6	-	-	1.4	0.71	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	12.8		2	6.7	0.57		1
57	-	-	-	-	-	13.7	-	-	7.1	0.61	-	-
58	-	-	-	-	-	12.5		1	1.7	0.49		1
59	-	-	-	-	-	13.4	-	-	1.8	0.53	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	15.5		1	7.0	0.71		1
62	-	-	-	-	-	16.5	-	-	7.4	0.76	-	-
63	-	-	-	-	-	9.3		1	1.1	0.66		1
64	-	-	-	-	-	10.1	-	-	1.2	0.72	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	12.5		1	2.0	0.78		1
67	-	-	-	-	-	13.5	-	-	3.0	0.84	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	1.5*	1.4*	1.7	-	-	1.0		3	0.2	0.06		2
70	15.5*	15.2*	17.9	-	-	10.5	-	-	2.6	0.64	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	0.6*	0.7*	0.7	0.4	-	1.1	10	4	0.1	0.05		2
73	6.4*	7.6*	7.7	3.9	-	11.1	-	-	1.5	0.56	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	13.1		1	2.4	0.69	25	4
76	-	-	-	-	-	13.8	-	-	2.5	0.72	-	-
77	-	-	-	-	-	11.7	3	14	1.6	0.61	14	13
78	-	-	-	-	-	12.9	-	-	1.7	0.67	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	0.48	0.95	2	4	0.98	0.08	-	1813a	8.6	37.7	-	31.3	18.3	-	0.40	2.21	0.72	0.47
02	0.52	1.02	-	-	1.06	0.09	-	1963a	9.3	40.8	-	33.9	19.8	-	0.43	2.39	0.78	0.51
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	3.41		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	3.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.75		2	-	-	-	210a	1.3	2.7	-	1.5	-	-	0.30	7.02	2.71	1.00
07	-	0.83	-	-	-	-	-	232a	1.5	2.9	-	1.7	-	-	0.33	7.74	2.99	1.11
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.18		1	0.07	-	-	-	1.0	-	-	2.8	-	-	-	-	-	-
10	-	0.86	-	-	0.33	-	-	-	4.8	-	-	13.3	-	-	-	-	-	-
11	-	0.23	29	4	0.25	-	-	-	122.0	-	-	29.2	-	-	-	-	-	-
12	-	0.85	-	-	0.93	-	-	-	448.8	-	-	107.6	-	-	-	-	-	-
13	-	0.72		3	1.13	-	-	-	9.0	23.0	-	18.0	-	-	-	2.26	0.62	0.41
14	-	0.74	-	-	1.18	-	-	-	8.3	23.0	-	18.7	-	-	-	2.35	0.64	0.43
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.09		3	0.14	-	-	-	1.2	2.8	-	1.7	-	-	-	0.26	0.07	0.05
17	-	0.75	-	-	1.11	-	-	-	9.8	22.4	-	13.5	-	-	-	2.03	0.55	0.39
18	0.01	0.10		1	0.15	0.03	-	-	1.1	3.5	-	2.0	-	-	-	-	-	-
19	0.11	1.05	-	-	1.58	0.32	-	-	11.6	37.1	-	20.9	-	-	-	-	-	-
20	0.11	1.03	2	4	1.61	0.32	9.2	1435a	10.8	37.9	-	18.6	41.9	-	0.47	2.51	0.88	0.43
21	0.12	1.09	-	-	1.71	0.34	9.7	1526a	11.5	40.3	-	19.8	44.6	-	0.50	2.67	0.94	0.46
22	-	0.27		1	-	-	-	-	82.0	-	-	3.7	-	-	-	-	-	-
23	-	1.17	-	-	-	-	-	-	355.0	-	-	16.0	-	-	-	-	-	-
24	-	4.03		2	-	-	-	-	2.0	7.3	-	8.8	-	-	-	-	-	-
25	-	4.37	-	-	-	-	-	-	2.1	7.9	-	9.6	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	1.08		1	-	-	-	-	39.3	-	-	659.8	-	-	-	-	-	-
30	-	1.18	-	-	-	-	-	-	42.9	-	-	880.2	-	-	-	-	-	-
31	-	3.78		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	4.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	11.47	19	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	11.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	1.01		1	-	-	-	6402.	151.1	8.5	-	3.3	-	-	0.21	1.51	0.61	0.45
52	-	1.08	-	-	-	-	-	6851.	151.7	9.1	-	3.5	-	-	0.22	1.61	0.66	0.49
53	-	0.93		1	-	-	-	-	-	-	-	-	-	-	0.25	1.89	0.75	-
54	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	0.26	2.04	0.81	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	1.07		1	-	-	-	6996.	166.9	9.9	-	4.2	-	-	0.28	1.56	0.71	0.57
57	-	1.15	-	-	-	-	-	7511.	179.2	10.6	-	4.5	-	-	0.30	1.68	0.76	0.61
58	-	0.94		1	-	-	-	-	-	-	-	-	-	-	0.24	1.99	0.74	-
59	-	1.01	-	-	-	-	-	-	-	-	-	-	-	-	0.26	2.13	0.79	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	1.00		1	-	-	-	70.	167.0	9.9	-	4.2	-	-	-	1.55	0.66	0.33
62	-	1.06	-	-	-	-	-	74.	177.7	10.5	-	4.5	-	-	-	1.64	0.70	0.35
63	-	0.93		1	-	-	-	-	-	-	-	-	-	-	-	2.15	0.77	0.49
64	-	1.01	-	-	-	-	-	-	-	-	-	-	-	-	-	2.33	0.84	0.53
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.02	0.03		2	0.27	0.11	-	2544a	3.3	-	-	0.5	-	-	-	-	-	-
70	0.21	0.35	-	-	2.81	1.17	-	6713a	35.0	-	-	5.6	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	0.02	0.03		2	0.29	0.04	-	969a	6.9	1.8	-	0.6	-	-	-	-	-	-
73	0.22	0.28	-	-	2.99	0.43	-	0098a	72.0	19.0	-	6.5	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	1.10	14	4	-	-	-	-	-	-	-	-	-	-	0.28	2.22	0.71	-
76	-	1.15	-	-	-	-	-	-	-	-	-	-	-	-	0.29	2.34	0.75	-
77	-	0.95	10	13	-	-	-	-	-	-	-	-	-	-	0.29	2.01	0.70	0.52
78	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	0.32	2.20	0.77	0.57

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	BREAD	4-07-944	89.8	-	-	-	3202▲*	-	-	-
02	-DEHY, (4)		100.0	-	-	-	3566▲*	-	-	-
03			-	-	-	-	-	-	-	-
04	BREVOORTIA TYRANNUS. FISH, MENHADEN	5-02-009	91.5	-	-	2.57*	3284▲	-	-	2.11*
05	-WHOLE OR CUTTINGS, COOKED MECH-EXTD DEHY GRND,		100.0	-	-	2.81*	3590▲	-	-	2.30*
06	(5)		-	-	-	-	-	-	-	-
07	BREWERS DRIED GRAINS (AAFCO)		-	-	-	-	-	-	-	-
08	-SEE GRAINS, BREWERS GRAINS, DEHY, MX		-	-	-	-	-	-	-	-
09	3% DRIED SPENT HOPS, (5)		-	-	-	-	-	-	-	-
10	BREWERS DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
11	-SEE SACCHAROMYCES CEREVISIAE BREWERS		-	-	-	-	-	-	-	-
12	SACCHAROMYCES, DEHY GRND, MN 40%		-	-	-	-	-	-	-	-
13	PROTEIN, (7)		-	-	-	-	-	-	-	-
14	BREWERS RICE (AAFCO)		-	-	-	-	-	-	-	-
15	-SEE ORYZA SATIVA, GROATS, POLISHED		-	-	-	-	-	-	-	-
16	AND BROKEN, (4)		-	-	-	-	-	-	-	-
17	BROKEN RICE (AAFCO)		-	-	-	-	-	-	-	-
18	-SEE ORYZA SATIVA, GROATS, POLISHED		-	-	-	-	-	-	-	-
19	AND BROKEN, (4)		-	-	-	-	-	-	-	-
20	BROMELIA LACINIOSA	5-11-344	-	-	-	-	-	-	-	-
21	-FRUIT, (5)		100.0	-	-	-	-	-	-	-
22			-	-	-	-	-	-	-	-
23	BROMUS CATHARTICUS. BROME, RESCUE	2-08-361	28.9	0.72*	-	0.89*	-	0.59*	-	0.73*
24	-AERIAL PART, FRESH, (2)		100.0	2.47*	-	3.08*	-	2.03*	-	2.53*
25		2-00-933	27.2	0.71*	-	0.72*	-	0.58*	-	0.59*
26	-AERIAL PART, FRESH, EARLY BLOOM, (2)		100.0	2.62*	-	2.64*	-	2.14*	-	2.16*
27		2-10-443	57.4	1.37*	-	1.43*	-	1.12*	-	1.17*
28	-AERIAL PART, FRESH, FULL BLOOM, (2)		100.0	2.39*	-	2.49*	-	1.96*	-	2.04*
29			-	-	-	-	-	-	-	-
30	BROMUS INERMIS. BROME, SMOOTH	1-00-947	89.5	2.02*	1.48*	2.20*	-	1.65*	1.21*	1.81*
31	-HAY, S-C, (1)		100.0	2.25*	1.65*	2.46*	-	1.85*	1.36*	2.02*
32		1-00-944	92.8	-	-	2.48	-	-	-	2.03*
33	-HAY, S-C, RIPE SEED, (1)		100.0	-	-	2.67	-	-	-	2.12*
34		2-00-956	28.8	0.90*	-	0.93*	-	0.74*	-	0.76*
35	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)		100.0	3.12*	-	3.23*	-	2.56*	-	2.65*
36		2-00-957	22.6	0.55*	-	0.62*	-	0.45*	-	0.51*
37	-AERIAL PART, FRESH, EARLY BLOOM, (2)		100.0	2.43*	-	2.73*	-	1.99*	-	2.24*
38		2-00-961	-	-	-	-	-	-	-	-
39	-AERIAL PART, FRESH, POST RIPE, (2)		100.0	-	-	-	-	-	-	-
40			-	-	-	-	-	-	-	-
41	BROMUS TECTORUM. BROME, CHEATGRASS	2-00-908	-	-	-	-	-	-	-	-
42	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)		100.0	3.03*	-	2.87*	-	2.48*	-	2.35*
43			-	-	-	-	-	-	-	-
44	BUCHLOE DACTYLOIDES. BUFFALOGRASS	2-01-010	45.8	1.19*	-	1.13*	-	0.98*	-	0.92*
45	-AERIAL PART, FRESH, (2)		100.0	2.60*	-	2.46*	-	2.13*	-	2.02*
46			-	-	-	-	-	-	-	-
47	BUCKWHEAT FEED, HIGH GRADE		-	-	-	-	-	-	-	-
48	-SEE FAGOPYRUM SPP, GRAIN W ADDED		-	-	-	-	-	-	-	-
49	HULLS, HIGH GR, (1)		-	-	-	-	-	-	-	-
50	BUCKWHEAT FEED, LOW GRADE		-	-	-	-	-	-	-	-
51	-SEE FAGOPYRUM SPP, GRAIN W ADDED		-	-	-	-	-	-	-	-
52	HULLS, LOW GR, (1)		-	-	-	-	-	-	-	-
53	BUCKWHEAT MIDDLINGS (AAFCO)		-	-	-	-	-	-	-	-
54	-SEE FAGOPYRUM SPP, FLOUR BY-PRODUCT		-	-	-	-	-	-	-	-
55	WO HULLS, COARSE SIFT, MX 10% FIBER,		-	-	-	-	-	-	-	-
56	(5)		-	-	-	-	-	-	-	-
57	BUMELIA LANUGINOSA. BUMELIA, WOOLLYBUCKET	2-11-324	41.2	-	-	1.32*	-	-	-	1.08*
58	-LEAVES W TWIGS, FRESH, (2)		100.0	-	-	3.20*	-	-	-	2.63*
59			-	-	-	-	-	-	-	-
60	BUTTERMILK, CONCENTRATED		-	-	-	-	-	-	-	-
61	-SEE BOS SPP, BUTTERMILK, CONDENSED,		-	-	-	-	-	-	-	-
62	MN 27% TOTAL SOLIDS MN 0.055% FAT MX		-	-	-	-	-	-	-	-
63	0.14% ASH PER 1% SOLIDS, (5)		-	-	-	-	-	-	-	-
64	BUTTERMILK, CONDENSED		-	-	-	-	-	-	-	-
65	-SEE BOS SPP, BUTTERMILK, CONDENSED,		-	-	-	-	-	-	-	-
66	MN 27% TOTAL SOLIDS MN 0.055% FAT MX		-	-	-	-	-	-	-	-
67	0.14% ASH PER 1% SOLIDS, (5)		-	-	-	-	-	-	-	-
68	BUTTERMILK, DRIED		-	-	-	-	-	-	-	-
69	-SEE BOS SPP, BUTTERMILK, DEHY, FEED		-	-	-	-	-	-	-	-
70	GR MX 8% MOISTURE MX 13% ASH MN 5%		-	-	-	-	-	-	-	-
71	FAT, (5)		-	-	-	-	-	-	-	-
72	BUTTERMILK, EVAPORATED		-	-	-	-	-	-	-	-
73	-SEE BOS SPP, BUTTERMILK, CONDENSED,		-	-	-	-	-	-	-	-
74	MN 27% TOTAL SOLIDS MN 0.055% FAT MX		-	-	-	-	-	-	-	-
75	0.14% ASH PER 1% SOLIDS, (5)		-	-	-	-	-	-	-	-
76	CAJANUS CAJAN. PIGEONPEA	1-09-743	91.0	2.24*	-	2.25*	-	1.84*	-	1.84*
77	-HAY, S-C, (1)		100.0	2.47*	-	2.47*	-	2.02*	-	2.02*
78										

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	3074▲*	3683▲	-	-	-	-	-	-	73▲*	-	10.1		1
03	3423▲*	4101▲	-	-	-	-	-	-	81▲*	-	11.2	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	2845▲	2828▲	-	-	-	-	-	58▲	-	-	60.5	5	53
06	3110▲	3092▲	-	-	-	-	-	64▲	-	-	66.1	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-		1
22	-	-	-	-	-	-	-	-	-	-	5.4	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	0.35*	0.15*	0.35*	16.*	-	20.*	-	-	2.7	41	12
25	-	-	1.20*	0.52*	1.22*	56.*	-	70.*	-	-	9.2	-	-
26	-	-	0.35*	0.17*	0.36*	16▲*	-	16▲*	-	-	3.4		2
27	-	-	1.27*	0.63*	1.33*	59▲*	-	60▲*	-	-	12.5	-	-
28	-	-	0.66*	0.25*	0.66*	31.*	-	32.*	-	-	5.3		1
29	-	-	1.15*	0.44*	1.15*	54.*	-	56.*	-	-	9.2	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	0.98*	0.29*	0.94*	46▲*	36▲*	50▲*	-	-	8.1		1
32	-	-	1.09*	0.32*	1.04*	51▲*	41▲*	56▲*	-	-	9.1	-	-
33	-	-	-	-	-	-	-		-	-	-	-	-
34	-	-	-	-	-	-	-		-	-	-	-	-
35	-	-	0.45*	0.29*	0.50*	20.*	-	21.*	-	-	5.9		1
36	-	-	1.57*	1.00*	1.72*	71.*	-	73.*	-	-	20.4	-	-
37	-	-	0.27*	0.11*	0.27*	12▲*	-	14▲*	-	-	4.1		1
38	-	-	1.17*	0.48*	1.18*	55▲*	-	62▲*	-	-	18.1	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-		1
43	-	-	1.51*	0.94*	1.65*	69.*	-	65.*	-	-	15.8	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	0.58*	0.28*	0.60*	27▲*	-	26▲*	-	-	4.4		1
46	-	-	1.26*	0.62*	1.31*	59▲*	-	56▲*	-	-	9.5	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	30.*	-	-	6.8		1
59	-	-	-	-	-	-	-	73.*	-	-	16.4	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	1.08*	0.46*	1.10*	51.*	-	51.*	-	-	16.7		3
78	-	-	1.19*	0.51*	1.21*	56.*	-	56.*	-	-	18.3	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	5.7*	6.8*	6.8*	-	-	0.4		1	5.3	0.05		1
03	6.3*	7.5*	7.5*	-	-	0.4	-	-	5.9	0.06	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	49.0	-	-	0.6	37	4	9.7	5.10	12	29
06	-	-	53.6	-	-	0.6	-	-	10.6	5.58	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-		1	-	-	-	-
22	-	-	-	-	-	24.4	-	-	2.0	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	1.7*	1.6*	1.6*	-	-	10.1		1	0.4	0.22		1
25	5.7*	5.4*	5.6*	-	-	35.0	-	-	1.2	0.75	-	-
26	2.3*	2.2*	2.3*	-	-	6.8		2	0.6	0.15		1
27	8.5*	8.1*	8.6*	-	-	24.9	-	-	2.1	0.57	-	-
28	3.3*	3.1*	3.2*	-	-	13.5		1	1.2	-	-	-
29	5.7*	5.4*	5.6*	-	-	23.5	-	-	2.1	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	4.3*	4.7*	4.2	-	-	31.5		1	1.0	-	-	-
32	4.8*	5.3*	4.6	-	-	35.1	-	-	1.2	-	-	-
33	-	-	-	-	-	28.0		1	-	0.29		2
34	-	-	-	-	-	30.2	-	-	-	0.31	-	-
35	4.4*	4.3*	4.5	-	-	6.7		1	1.1	0.16		2
36	15.2*	14.8*	15.7	-	-	23.2	-	-	4.0	0.55	-	-
37	3.0*	2.9*	2.7	-	-	6.5		1	0.7	-	-	-
38	13.3*	12.9*	12.2	-	-	28.8	-	-	3.1	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-		1	-	-		1
43	11.3*	10.9*	11.7*	-	-	22.9	-	-	2.7	0.64	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	2.7*	2.6*	2.4	-	-	12.2		1	0.9	0.26		2
46	6.0*	5.6*	5.1	-	-	26.7	-	-	1.9	0.57	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	4.9*	4.7*	5.1*	-	-	5.0		1	3.8	-	-	-
59	11.8*	11.5*	12.3*	-	-	12.2	-	-	9.2	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	11.7*	11.9*	11.9*	-	-	26.3		3	3.3	-	-	-
78	12.8*	13.1*	13.0*	-	-	28.9	-	-	3.6	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.10		1	-	-	-	921a	29.9	11.5	-	2.1	-	-	0.13	0.21	0.09	0.08
03	-	0.12	-	-	-	-	-	1025a	33.3	12.8	-	2.3	-	-	0.14	0.23	0.10	0.09
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	0.15	2.90	8	29	0.78	-	-	2820a	55.2	8.7	-	4.8	76.1	-	0.58	4.76	1.77	0.67
06	0.17	3.18	-	-	0.85	-	-	3092a	60.3	9.5	-	5.2	83.2	-	0.64	5.21	1.93	0.73
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	0.08	80	6	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	0.28	-	-	3.98	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0.04	0.03		1	0.54	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.15	0.30	-	-	1.97	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.13		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	0.12	0.20		1	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.12	0.22	-	-	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.09	0.13		2	0.91	-	-	-	-	-	-	-	-	-	-	-	-	-
36	0.32	0.44	-	-	3.16	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	0.06	0.07		2	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-
46	0.14	0.16	-	-	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-HAY, S-C GRND, (1)	1-09-731	-	-	-	-	-	-	-	-
02			100.0	2.54*	1.87*	2.46*	-	2.08*	1.54*	2.02*
03	-HULLS, (1)	1-10-481	91.2	2.16*	-	2.18*	-	1.77*	-	1.79*
04			100.0	2.36*	-	2.39*	-	1.94*	-	1.96*
05	-LEAVES, DEHY GRND, (1)	1-11-433	88.3	1.85*	-	2.05*	-	1.52*	-	1.68*
06			100.0	2.09*	-	2.32*	-	1.72*	-	1.90*
07	-PODS, POST RIPE, (1)	1-10-467	-	-	-	-	-	-	-	-
08			100.0	-	-	-	-	-	-	-
09	-AERIAL PART, FRESH, (2)	2-03-715	40.5	-	-	-	-	-	-	-
10			100.0	-	-	-	-	-	-	-
11	-LEAVES, FRESH, (2)	2-09-751	-	-	-	-	-	-	-	-
12			100.0	-	-	3.01*	-	-	-	2.47*
13	-SEEDS, (5)	5-03-716	89.1	-	-	-	-	-	-	-
14			100.0	-	-	-	-	-	-	-
15	-SEEDS, POST RIPE, (5)	5-10-480	88.9	3.48*	-	3.53*	-	2.85*	-	2.89*
16			100.0	3.91*	-	3.96*	-	3.21*	-	3.25*
17	CALCIUM CARBONATE		-	-	-	-	-	-	-	-
18	-COMMERCIAL MN 38% CA, (6)	6-01-069	93.6	-	-	-	-	-	-	-
19	CALCIUM CARBONATE (AAFCO)		100.0	-	-	-	-	-	-	-
20	CALCIUM PHOSPHATE, DIBASIC		-	-	-	-	-	-	-	-
21	-DIBASIC PHOSPHATE DIBASIC, COMMERCIAL, (6)	6-01-080	96.0	-	-	-	-	-	-	-
22	DICALCIUM PHOSPHATE (AAFCO)		100.0	-	-	-	-	-	-	-
23	CALENDULA OFFICINALIS, CALENDULA, POTMARIGOLD		-	-	-	-	-	-	-	-
24	-FLOWERS, FRESH, (2)	2-11-452	15.6	-	-	0.46*	-	-	-	0.37*
25			100.0	-	-	2.93*	-	-	-	2.40*
26	CALLINECTES SAPIDUS, CANCER SPP, PARALITHODES		-	-	-	-	-	-	-	-
27	CAMSCHATICA, CRAB		-	-	-	-	-	-	-	-
28	-CANCER SPP, PARALITHODES	5-01-663	92.2	0.34*	-	1.20*	-	0.28*	-	0.98*
29	CAMSCHATICA, PROCESS RESIDUE, DEHY		100.0	0.37*	-	1.30*	-	0.30*	-	1.07*
30	GRND, MN 25% PROTEIN SALT DECLARED		-	-	-	-	-	-	-	-
31	ABOVE 3% MX 7%, (5)		-	-	-	-	-	-	-	-
32	CRAB MEAL (AAFCO)		-	-	-	-	-	-	-	-
33	CANALAVIA ENSIFORMIS, JACKBEAN, COMMON		-	-	-	-	-	-	-	-
34	-SEEDS W HULLS, (5)	5-09-024	-	-	-	-	-	-	-	-
35			100.0	2.69*	-	2.81*	-	2.20*	-	2.31*
36	CANAVALIA ENSIFORMIS, JACKBEAN, COMMON		-	-	-	-	-	-	-	-
37	-SEEDS, (5)	5-11-438	-	-	-	-	-	-	-	-
38			100.0	4.13*	-	3.86*	-	3.39*	-	3.17*
39	-SEEDS, COOKED DEHY, (5)	5-11-446	83.7	3.42*	-	3.04*	-	2.81*	-	2.49*
40			100.0	4.09*	-	3.63*	-	3.35*	-	2.98*
41	CANAVALIA SPP, JACKBEAN		-	-	-	-	-	-	-	-
42	-AERIAL PART, FRESH, (2)	2-02-434	21.3	0.63*	-	0.62*	-	0.52*	-	0.51*
43			100.0	2.98*	-	2.90*	-	2.44*	-	2.38*
44	-SEEDS, SOLV-EXTD GRND, (5)	5-09-592	87.0	3.39*	-	3.28*	-	2.78*	-	2.69*
45			100.0	3.90*	-	3.77*	-	3.20*	-	3.09*
46	CANE BAGASSE, DRIED		-	-	-	-	-	-	-	-
47	-SEE SACCHARUM OFFICINARUM, PULP,		-	-	-	-	-	-	-	-
48	DEHY, (1)		-	-	-	-	-	-	-	-
49	CANE MOLASSES, DRIED		-	-	-	-	-	-	-	-
50	-SEE SACCHARUM OFFICINARUM, MOLASSES,		-	-	-	-	-	-	-	-
51	DEHY, (4)		-	-	-	-	-	-	-	-
52	CANE MOLASSES (AAFCO)		-	-	-	-	-	-	-	-
53	-SEE SACCHARUM OFFICINARUM, MOLASSES,		-	-	-	-	-	-	-	-
54	MN 48% INVERT SUGAR MN 79.5 DEGREES		-	-	-	-	-	-	-	-
55	BRIX, (4)		-	-	-	-	-	-	-	-
56	CARICA PAPAYA, PAPAYA		-	-	-	-	-	-	-	-
57	-FRUIT, FRESH, (4)	4-10-483	9.1	0.24*	-	0.32*	309.*	0.19*	-	0.26*
58			100.0	2.61*	-	3.46*	3400.*	2.14*	-	2.84*
59	CARTHAMUS TINCTORIUS, SAFFLOWER		-	-	-	-	-	-	-	-
60	-SEEDS, (4)	4-07-958	93.1	-	-	3.63*	-	-	-	2.98*
61			100.0	-	-	3.90*	-	-	-	3.20*
62	-SEEDS, MECH-EXTD GRND, (5)	5-04-109	90.8	2.74*	-	2.27*	-	2.24*	-	1.86*
63	SAFFLOWER SEED, MECHANICAL EXTRACTED		100.0	3.01*	-	2.49*	-	2.47*	-	2.05*
64	(AAFCO)		-	-	-	-	-	-	-	-
65	CASEIN, DRIED		-	-	-	-	-	-	-	-
66	-SEE BOS SPP, CASEIN, MILK		-	-	-	-	-	-	-	-
67	ACID-PRECIPITATED DEHY, MN 80%		-	-	-	-	-	-	-	-
68	PROTEIN, (5)		-	-	-	-	-	-	-	-
69	CASEIN (AAFCO)		-	-	-	-	-	-	-	-
70	-SEE BOS SPP, CASEIN, MILK		-	-	-	-	-	-	-	-
71	ACID-PRECIPITATED DEHY, MN 80%		-	-	-	-	-	-	-	-
72	PROTEIN, (5)		-	-	-	-	-	-	-	-
73	CASSAVA MEAL		-	-	-	-	-	-	-	-
74	-SEE MANIHOT SPP, ROOTS, DEHY GRND,		-	-	-	-	-	-	-	-
75	(4)		-	-	-	-	-	-	-	-
76	CASSIA TORA, SENNA, SICKLE		-	-	-	-	-	-	-	-
77	-AERIAL PART, FRESH, (2)	2-11-340	-	-	-	-	-	-	-	-
78			100.0	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	20	4
02	-	-	1.23*	0.57*	1.27*	58.*	47.*	56.*	-	-	11.7	-	-
03	-	-	1.04*	0.39*	1.03*	49.*	-	50.*	-	-	8.8		1
04	-	-	1.14*	0.42*	1.13*	54.*	-	54.*	-	-	9.7	-	-
05	-	-	0.90*	0.15*	0.81*	42.*	-	46.*	-	-	14.3		1
06	-	-	1.02*	0.17*	0.92*	47.*	-	53.*	-	-	16.2	-	-
07	-	-	-	-	-	-	-	-	-	-	-		1
08	-	-	-	-	-	-	-	-	-	-	6.2	-	-
09	-	-	-	-	-	-	-	-	-	-	4.9		1
10	-	-	-	-	-	-	-	-	-	-	12.0	-	-
11	-	-	-	-	-	-	-	-	-	-	-		1
12	-	-	-	-	-	-	-	68.*	-	-	27.3	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	1.94*	1.27*	2.08*	79.*	-	80.*	-	-	15.9		2
16	-	-	2.18*	1.43*	2.34*	89.*	-	90.*	-	-	17.8	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	10.*	-	-	1.9		1
25	-	-	-	-	-	-	-	66.*	-	-	12.4	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	1767.	0.23*	3.80*	0.93*	7.*	-	27.*	-	-	31.4		3
29	-	1915.	0.36*	4.12*	1.00*	8.*	-	30.*	-	-	34.1	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-		1
35	-	-	1.31*	0.69*	1.38*	61.*	-	64.*	-	-	22.5	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-		1
38	-	-	2.39*	1.53*	2.51*	94.*	-	88.*	-	-	32.9	-	-
39	-	-	1.97*	1.26*	2.08*	78.*	-	69.*	-	-	33.3		1
40	-	-	2.35*	1.51*	2.48*	93.*	-	82.*	-	-	39.8	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	0.31*	0.19*	0.34*	14.*	-	14.*	-	-	4.5		1
43	-	-	1.48*	0.90*	1.61*	68.*	-	66.*	-	-	21.1	-	-
44	-	-	1.89*	1.24*	2.03*	77.*	-	74.*	-	-	25.5		1
45	-	-	2.17*	1.43*	2.33*	88.*	-	86.*	-	-	29.3	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	297.*	-	0.12*	0.06*	0.12*	5.*	-	7.*	7.*	-	0.8		1
58	3264.*	-	1.26*	0.63*	1.32*	59.*	-	79.*	77.*	-	9.0	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	82.*	-	-	16.3		1
61	-	-	-	-	-	-	-	89.*	-	-	17.5	-	-
62	-	-	1.36*	0.84*	1.42*	62.*	-	51.*	-	-	22.2	2	4
63	-	-	1.50*	0.93*	1.64*	68.*	-	57.*	-	-	24.5	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-		1
78	-	-	-	-	-	-	-	-	-	-	17.2	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	14	4	-	-	-	-
02	7.0*	7.4*	7.0*	-	-	36.1	-	-	3.0	-	-	-
03	4.9*	5.3*	4.8*	-	-	35.1		1	0.5	-	-	-
04	5.3*	5.8*	5.3*	-	-	38.5	-	-	0.5	-	-	-
05	9.7*	10.0*	9.8*	-	-	34.6		1	4.0	-	-	-
06	11.0*	11.3*	11.1*	-	-	39.2	-	-	4.5	-	-	-
07	-	-	-	-	-	-		1	-	-	-	-
08	2.3*	2.8*	2.1*	-	-	35.3	-	-	0.3	-	-	-
09	3.3*	3.1*	3.3*	-	-	18.9		1	1.7	-	-	-
10	8.1*	7.7*	8.2*	-	-	46.7	-	-	4.1	-	-	-
11	-	-	-	-	-	-		1	-	-	-	-
12	20.6*	20.7*	21.1*	-	-	22.0	-	-	9.6	-	-	-
13	-	-	-	-	-	7.5		2	2.3	-	-	-
14	-	-	-	-	-	8.4	-	-	2.6	-	-	-
15	-	-	-	-	-	6.9		2	4.8	-	-	-
16	-	-	-	-	-	7.8	-	-	5.4	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	34.44		1
19	-	-	-	-	-	-	-	-	-	36.79	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	23.35	10	9
22	-	-	-	-	-	-	-	-	-	24.32	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	1.3*	1.3*	1.3*	-	-	2.4		1	1.2	-	-	-
25	8.4*	8.0*	8.5*	-	-	15.6	-	-	7.9	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	10.5		3	2.0	14.98		3
29	-	-	-	-	-	11.3	-	-	2.2	16.24	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-		1	-	-	-	-
35	-	-	-	-	-	21.2	-	-	5.5	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-		1	-	-	-	-
38	-	-	-	-	-	7.1	-	-	2.5	-	-	-
39	-	-	-	-	-	2.4		1	1.5	-	-	-
40	-	-	-	-	-	2.9	-	-	1.8	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	3.4*	3.3*	3.5*	-	-	5.4		1	0.6	-	-	-
43	15.8*	15.4*	16.7*	-	-	25.3	-	-	2.6	-	-	-
44	-	-	-	-	-	8.0		1	2.6	-	-	-
45	-	-	-	-	-	9.2	-	-	3.0	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	0.4*	0.5*	0.5*	-	-	0.9		1	0.1	-	-	-
58	4.3*	5.5*	5.5*	-	-	9.5	-	-	1.0	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	11.3*	12.4*	12.4*	-	-	26.6		1	29.8	-	-	-
61	12.1*	13.3*	13.3*	-	-	28.6	-	-	32.0	-	-	-
62	-	-	18.5	-	-	29.3	17	4	6.7	0.24		2
63	-	-	20.3	-	-	32.3	-	-	7.4	0.26	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-		1	-	-	-	-
78	12.5*	12.1*	13.0*	-	-	62.4	-	-	1.0	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Conf. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	18.21	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	18.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.88	1.57		3	0.45	0.32	-	2009$_A$	44.2	6.6	-	5.9	445.6	-	0.40	1.40	0.51	0.31
29	0.95	1.70	-	-	0.49	0.35	-	2178$_A$	47.9	7.2	-	6.4	483.0	-	0.43	1.52	0.56	0.34
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.37		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	0.33	0.60		2	0.72	0.05	-	1496$_A$	12.8	51.3	-	2.4	-	-	0.52	0.63	0.36	0.27
63	0.36	0.66	-	-	0.79	0.06	-	1647$_A$	14.1	56.5	-	2.6	-	-	0.57	0.69	0.39	0.30
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-BROWSE, FRESH, (2)	2-11-444	26.9	0.84*	-	0.79*	-	0.69*	-	0.64*
02			100.0	3.14*	-	2.92*	-	2.57*	-	2.40*
03	CASTANEA SPP. CHESTNUT		-	-	-	-	-	-	-	-
04	-BROWSE, FRESH, (2)	2-11-440	26.7	-	-	-	-	-	-	-
05			100.0	-	-	-	-	-	-	-
06	CASTELA TEXANA. CASTELA, ALLTHORN		-	-	-	-	-	-	-	-
07	-BROWSE, FRESH, (2)	2-11-463	55.1	2.34*	-	1.75*	-	1.91*	-	1.44*
08			100.0	4.24*	-	3.18*	-	3.48*	-	2.61*
09	-LEAVES, FRESH, (2)	2-11-464	-	-	-	-	-	-	-	-
10			100.0	5.99*	-	3.06*	-	4.91*	-	2.51*
11	CASTILLA ELASTICA. GUMTREE, PANAMA		-	-	-	-	-	-	-	-
12	-SEEDS, DEHY GRND, (5)	5-11-451	90.5	3.20*	-	3.17*	-	2.62*	-	2.60*
13			100.0	3.53*	-	3.50*	-	2.90*	-	2.87*
14	CATTLE, MELTS, RAW		-	-	-	-	-	-	-	-
15	-SEE BOS SPP, SPLEEN, RAW, (5)		-	-	-	-	-	-	-	-
16	CECROPIA FERREYRAE. PUMPWOOD, FERREYRAE		-	-	-	-	-	-	-	-
17	-LEAVES, FRESH, REGROWTH VEGETATIVE, (2)	2-11-442	18.4	0.50*	-	0.51*	-	0.41*	-	0.42*
18			100.0	2.70*	-	2.76*	-	2.22*	-	2.27*
19	CECROPIA SPP. PUMPWOOD		-	-	-	-	-	-	-	-
20	-AERIAL PART, FRESH, (2)	2-10-477	20.0	-	-	0.51*	-	-	-	0.42*
21			100.0	-	-	2.53*	-	-	-	2.08*
22	CELTIS SPINOSA. HACKBERRY, SPINOSA		-	-	-	-	-	-	-	-
23	-BROWSE, FRESH, (2)	2-11-434	56.9	-	-	1.65*	-	-	-	1.35*
24			100.0	-	-	2.89*	-	-	-	2.37*
25	CENCHRUS BIFLORUS. SANDBUR, INDIA		-	-	-	-	-	-	-	-
26	-AERIAL PART, FRESH, (2)	2-11-447	35.0	0.70*	-	0.82*	-	0.58*	-	0.68*
27			100.0	2.01*	-	2.36*	-	1.65*	-	1.93*
28	CENCHRUS CILIARIS. SANDBUR, CILIARIS		-	-	-	-	-	-	-	-
29	-AERIAL PART, FRESH, (2)	2-11-368	27.0	-	-	-	-	-	-	-
30			100.0	-	-	-	-	-	-	-
31	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-11-366	-	-	-	-	-	-	-	-
32			100.0	-	-	-	-	-	-	-
33	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-11-367	26.3	-	-	-	-	-	-	-
34			100.0	-	-	-	-	-	-	-
35	CENCHRUS MYOSUROIDES. SANDBUR, BIG		-	-	-	-	-	-	-	-
36	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-10-613	45.3	1.13*	-	1.14*	-	0.92*	-	0.93*
37			100.0	2.48*	-	2.51*	-	2.04*	-	2.06*
38	CENCHRUS PAUCIFLORUS. SANDBUR, MAT		-	-	-	-	-	-	-	-
39	-AERIAL PART, FRESH, (2)	2-10-614	-	-	-	-	-	-	-	-
40			100.0	-	-	-	-	-	-	-
41	CENTROSEMA PUBESCENS. BUTTERFLYPEA, PUBESCENS		-	-	-	-	-	-	-	-
42	-AERIAL PART, FRESH, (2)	2-11-459	24.2	-	-	0.73*	-	-	-	0.59*
43			100.0	-	-	3.00*	-	-	-	2.46*
44	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-11-460	23.3	-	-	-	-	-	-	-
45			100.0	-	-	-	-	-	-	-
46	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-11-461	29.4	-	-	-	-	-	-	-
47			100.0	-	-	-	-	-	-	-
48	-AERIAL PART, FRESH, 88 TO 94 DAYS' GROWTH, (2)	2-11-462	27.2	-	-	-	-	-	-	-
49			100.0	-	-	-	-	-	-	-
50	CERATONIA SILIQUA. CAROB BEAN		-	-	-	-	-	-	-	-
51	-PODS, (4)	4-01-132	88.6	2.53*	-	2.70*	2716.*	2.07*	-	2.21*
52			100.0	2.85*	-	3.04*	3066.*	2.34*	-	2.49*
53	CERCIDIUM MACRUM. PALOVERDE, BORDER		-	-	-	-	-	-	-	-
54	-BROWSE, FRESH, (2)	2-11-435	63.2	-	-	2.11*	-	-	-	1.73*
55			100.0	-	-	3.35*	-	-	-	2.74*
56	CHAETIUM BROMOIDES. SETILLA		-	-	-	-	-	-	-	-
57	-AERIAL PART, (2)	2-09-408	31.4	-	-	-	-	-	-	-
58			100.0	-	-	-	-	-	-	-
59	CHARCOAL, VEGETABLE		-	-	-	-	-	-	-	-
60	-SEE PLANT, CHARCOAL, (6)		-	-	-	-	-	-	-	-
61	CHENOPODIUM QUINOA. GOOSEFOOT, QUINOA		-	-	-	-	-	-	-	-
62	-AERIAL PART, FRESH, (2)	2-10-454	-	-	-	-	-	-	-	-
63			100.0	4.12*	-	3.14*	-	3.38*	-	2.58*
64	-LEAVES, FRESH, (2)	2-10-452	-	-	-	-	-	-	-	-
65			100.0	4.10*	-	2.95*	-	3.36*	-	2.42*
66	-STEMS, FRESH, (2)	2-10-453	-	-	-	-	-	-	-	-
67			100.0	2.88*	-	2.80*	-	2.36*	-	2.29*
68	-SEED, (4)	4-10-120	89.0	3.18*	-	3.28*	3319.*	2.61*	-	2.69*
69			100.0	3.57*	-	3.68*	3729.*	2.93*	-	3.02*
70	CHIPPED RICE (AAFCO)		-	-	-	-	-	-	-	-
71	-SEE ORYZA SATIVA, GROATS, POLISHED		-	-	-	-	-	-	-	-
72	AND BROKEN, (4)		-	-	-	-	-	-	-	-
73	CHLORIS CILIATA. CHLORIS, FRINGED		-	-	-	-	-	-	-	-
74	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-10-615	37.6	0.96*	-	0.97*	-	0.79*	-	0.80*
75			100.0	2.56*	-	2.58*	-	2.10*	-	2.12*
76	CHLORIS GAYANA. RHODESGRASS		-	-	-	-	-	-	-	-
77	-AERIAL PART, DEHY, (1)	1-10-616	91.3	2.03*	1.60*	2.03*	-	1.67*	1.31*	1.66*
78			100.0	2.22*	1.75*	2.22*	-	1.82*	1.44*	1.82*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.42*	0.27*	0.47*	19.*	-	18.*	-	-	4.7		1
02	-	-	1.58*	1.01*	1.74*	71.*	-	66.*	-	-	17.4	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	2.0		1
05	-	-	-	-	-	-	-	-	-	-	7.5	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	1.38*	0.87*	1.43*	53.*	-	60.*	-	-	5.6		1
08	-	-	2.50*	1.87*	2.59*	96.*	-	72.*	-	-	10.1	-	-
09	-	-	-	-	-	-	-	-	-	-	-		1
10	-	-	5.19*	2.07*	3.96*	136.*	-	70.*	-	-	6.2	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	1.68*	1.12*	1.85*	72.*	-	72.*	-	-	35.4		1
13	-	-	1.86*	1.24*	2.04*	80.*	-	79.*	-	-	39.1	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	0.24*	0.13*	0.26*	11.*	-	12.*	-	-	3.7		1
18	-	-	1.32*	0.70*	1.39*	51.*	-	63.*	-	-	20.1	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	11.*	-	-	2.6		1
21	-	-	-	-	-	-	-	57.*	-	-	13.0	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	37.*	-	-	11.4		1
24	-	-	-	-	-	-	-	66.*	-	-	20.0	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	0.34*	0.03*	0.30*	16.*	-	19.*	-	-	2.7		1
27	-	-	0.98*	0.08*	0.85*	46.*	-	53.*	-	-	7.7	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	1.6		3
30	-	-	-	-	-	-	-	-	-	-	6.1	-	-
31	-	-	-	-	-	-	-	-	-	-	-		1
32	-	-	-	-	-	-	-	-	-	-	10.9	-	-
33	-	-	-	-	-	-	-	-	-	-	2.8		1
34	-	-	-	-	-	-	-	-	-	-	10.5	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	0.54*	0.24*	0.55*	26.*	-	26.*	-	-	2.4		1
37	-	-	1.20*	0.53*	1.23*	56.*	-	57.*	-	-	5.3	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	19	9
40	-	-	-	-	-	-	-	-	-	-	9.0	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	16.*	-	-	5.9		1
43	-	-	-	-	-	-	-	68.*	-	-	24.4	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	2608.*	-	1.24*	0.72*	1.34*	57.*	-	61.	62.*	-	7.9		2
52	2943.*	-	1.40*	0.81*	1.51*	65.*	-	69.	70.*	-	8.9	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	48.*	-	-	15.2		1
55	-	-	-	-	-	-	-	76.*	-	-	24.1	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	3.4		2
58	-	-	-	-	-	-	-	-	-	-	10.7	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-		1
63	-	-	2.38*	1.52*	2.50*	93.*	-	71.*	-	-	9.7	-	-
64	-	-	-	-	-	-	-	-	-	-	-		1
65	-	-	2.36*	1.52*	2.49*	93.*	-	67.*	-	-	12.5	-	-
66	-	-	-	-	-	-	-	-	-	-	-		1
67	-	-	1.42*	0.83*	1.53*	65.*	-	63.*	-	-	6.0	-	-
68	3187.*	-	1.68*	1.12*	1.84*	72.*	-	74.*	75.*	-	13.6	10	5
69	3580.*	-	1.89*	1.26*	2.07*	81.*	-	84.*	85.*	-	15.3	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	0.47*	0.22*	0.48*	22.*	-	22.*	-	-	3.0		1
75	-	-	1.24*	0.59*	1.29*	58.*	-	59.*	-	-	7.9	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	0.98*	0.27*	0.93*	46.*	40.*	46.*	-	-	7.7		1
78	-	-	1.08*	0.30*	1.02*	50.*	43.*	50.*	-	-	8.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	3.4*	3.3*	3.6*	-	-	7.9		1	0.9	-	-	-
02	12.7*	12.3*	13.2*	-	-	29.2	-	-	3.2	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	1.1*	1.0*	1.1*	-	-	9.8		1	-	-	-	-
05	4.3*	3.9*	4.0*	-	-	36.7	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	3.6*	3.4*	3.5*	-	-	10.0		1	1.7	-	-	-
08	.5*	6.1*	6.4*	-	-	18.2	-	-	3.1	-	-	-
09	-	-	-	-	-	-		1	-	-	-	-
10	3.2*	2.8*	2.8*	-	-	16.0	-	-	4.8	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	7.7		1	1.8	-	-	-
13	-	-	-	-	-	8.5	-	-	2.0	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	2.8*	2.7*	2.9*	-	-	5.5		1	0.5	-	-	-
18	15.0*	14.6*	15.7*	-	-	29.9	-	-	2.7	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	1.8*	1.7*	1.8*	-	-	7.8		1	0.6	0.31		1
21	8.9*	8.6*	9.1*	-	-	39.0	-	-	3.0	1.55	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	8.5*	8.3*	8.9*	-	-	5.6		1	4.7	-	-	-
24	14.9*	14.5*	15.6*	-	-	9.8	-	-	8.3	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	1.5*	1.4*	1.5*	-	-	11.5		1	1.0	0.03		1
27	4.4*	4.1*	4.2*	-	-	32.8	-	-	2.8	0.08	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	0.8*	0.7*	0.7*	-	-	12.0		3	0.9	0.01		3
30	3.1*	2.7*	2.7*	-	-	44.3	-	-	3.4	0.04	-	-
31	-	-	-	-	-	-		1	-	-	-	-
32	7.2*	6.8*	7.1*	-	58.1	32.9	-	-	3.6	-	-	-
33	1.8*	1.7*	1.8*	-	15.4	8.6		1	1.4	-	-	-
34	6.8*	6.4*	6.8*	-	58.4	32.7	-	-	5.3	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	1.1*	0.9*	0.9*	-	-	13.0		1	0.7	-	-	-
37	2.4*	2.0*	1.9*	-	-	28.6	-	-	1.5	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	5.5*	5.2*	5.4*	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	4.5*	4.4*	4.8*	-	-	7.6		1	0.9	0.22		1
43	18.6*	18.3*	19.7*	-	-	31.5	-	-	3.9	0.91	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	3.7*	4.8*	1.3	-	-	15.3		2	1.5	0.27		1
52	4.2*	5.4*	1.5	-	-	17.2	-	-	1.7	0.30	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	11.6*	11.4*	12.3*	-	-	13.0		1	3.9	-	-	-
55	18.4*	18.0*	19.5*	-	-	20.6	-	-	6.2	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	2.2*	2.1*	2.2*	-	-	-	-	-	-	-	-	-
58	7.0*	6.6*	7.0*	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-		1	-	-	-	-
63	6.1*	5.8*	6.0*	-	-	16.5	-	-	3.1	-	-	-
64	-	-	-	-	-	-		1	-	-	-	-
65	8.6*	8.2*	8.7*	-	-	13.0	-	-	4.7	-	-	-
66	-	-	-	-	-	-		1	-	-	-	-
67	3.0*	2.6*	2.6*	-	-	25.4	-	-	2.0	-	-	-
68	9.0*	10.0*	10.0*	-	-	3.1	73	5	4.8	0.17		2
69	10.1*	11.3*	11.3*	-	-	3.5	-	-	5.4	0.13	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	1.7*	1.6*	1.6*	-	-	10.6		1	0.6	-	-	-
75	4.6*	4.2*	4.4*	-	-	28.2	-	-	1.6	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	3.9*	4.3*	3.8*	-	-	31.2		1	1.6	-	-	-
78	4.2*	4.7*	4.1*	-	-	34.2	-	-	1.6	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.10	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	0.50	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	0.03		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	55	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	0.08		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.13		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	9.1	-	-	1.4	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	10.3	-	-	1.5	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-HAY, S-C, (1)	1-03-913	90.7	1.95*	-	2.02*	-	1.60*	-	1.66*
02			100.0	2.15*	-	2.23*	-	1.76*	-	1.83*
03	-AERIAL PART, FRESH, (2)	2-03-916	49.7	1.24*	-	1.32*	-	1.02*	-	1.08*
04			100.0	2.50*	-	2.66*	-	2.05*	-	2.18*
05	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-127	20.2	0.51*	-	0.51*	-	0.42*	-	0.42*
06			100.0	2.55*	-	2.53*	-	2.09*	-	2.07*
07	-AERIAL PART, FRESH, JOINTING	2-10-472	19.2	0.39*	-	0.44*	-	0.32*	-	0.36*
08	AND BOOT, CUT 2, (2)		100.0	2.04*	-	2.32*	-	1.67*	-	1.90*
09	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-469	25.1	0.52*	-	0.60*	-	0.43*	-	0.49*
10			100.0	2.08*	-	2.38*	-	1.71*	-	1.95*
11	-AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)	2-10-470	22.1	0.49*	-	0.55*	-	0.40*	-	0.45*
12			100.0	2.22*	-	2.48*	-	1.82*	-	2.03*
13	-AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)	2-10-471	25.3	0.52*	-	0.60*	-	0.43*	-	0.49*
14			100.0	2.06*	-	2.37*	-	1.69*	-	1.94*
15	-AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)	2-10-473	27.9	-	-	-	-	-	-	-
16			100.0	-	-	-	-	-	-	-
17	-AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)	2-10-474	26.8	0.52*	-	0.65*	-	0.43*	-	0.53*
18			100.0	1.95*	-	2.41*	-	1.60*	-	1.98*
19	-AERIAL PART, FRESH, CUT 1, (2)	2-10-468	18.1	0.38*	-	0.43*	-	0.31*	-	0.35*
20			100.0	2.07*	-	2.37*	-	1.70*	-	1.95*
21	CITRUS MEAL, DRIED		-	-	-	-	-	-	-	-
22	-SEE CITRUS SPP, PULP FINES, SHREDDED		-	-	-	-	-	-	-	-
23	DEHY, (4)		-	-	-	-	-	-	-	-
24	CITRUS MOLASSES (AAFCO)		-	-	-	-	-	-	-	-
25	-SEE CITRUS SPP, SYRUP, MN 45% INVERT		-	-	-	-	-	-	-	-
26	SUGAR MN 71 DEGREES BRIX, (4)		-	-	-	-	-	-	-	-
27	CITRUS PULP, DRIED		-	-	-	-	-	-	-	-
28	-SEE CITRUS SPP, PULP WO FINES,		-	-	-	-	-	-	-	-
29	SHREDDED DEHY, (4)		-	-	-	-	-	-	-	-
30	CITRUS SINENSIS. CITRUS, ORANGE		-	-	-	-	-	-	-	-
31	-PULP WO FINES, SHREDDED DEHY, (4)	4-01-254	88.1	2.68*	-	3.47*	3154.*	2.20*	-	2.85*
32			100.0	3.04*	-	3.94*	3578.*	2.49*	-	3.23*
33	CITRUS SPP. CITRUS		-	-	-	-	-	-	-	-
34	-PULP, ENSILED, (3)	3-01-234	19.5	0.56*	-	0.50*	-	0.46*	-	0.41*
35			100.0	2.89*	-	2.55*	-	2.37*	-	2.09*
36	-PULP, ENSILED SHREDDED DEHY, (4)	4-10-447	85.2	2.42*	-	3.00*	3032.*	1.98*	-	2.46*
37			100.0	2.84*	-	3.52*	3559.*	2.33*	-	2.88*
38	-PULP FINES, SHREDDED DEHY, (4)	4-01-235	94.7	1.95*	-	3.11*	3076.*	1.60*	-	2.55*
39	DRIED CITRUS MEAL (AAFCO)		100.0	2.06*	-	3.29*	3248.*	1.69*	-	2.69*
40	-PULP, FRESH, (4)	4-08-376	17.8	0.57*	-	0.62*	623.*	0.47*	-	0.51*
41			100.0	3.21*	-	3.46*	3497.*	2.63*	-	2.84*
42	-PULP WO FINES, SHREDDED DEHY, (4)	4-01-237	90.1	2.25*	-	3.31*	2886.*	1.85*	-	2.71*
43	DRIED CITRUS PULP (AAFCO)		100.0	2.50*	-	3.67*	3202.*	2.05*	-	3.01*
44	-SYRUP, MN 45% INVERT SUGAR MN 71	4-01-241	68.6	-	-	2.30*	-	-	-	1.89*
45	DEGREES BRIX, (4)		100.0	-	-	3.36*	-	-	-	2.75*
46	CITRUS MOLASSES (AAFCO)		-	-	-	-	-	-	-	-
47	CLEMATIS SPP. CLEMATIS		-	-	-	-	-	-	-	-
48	-BROWSE, FRESH, (2)	2-11-441	31.5	1.00*	-	1.02*	-	0.82*	-	0.84*
49			100.0	3.17*	-	3.24*	-	2.60*	-	2.66*
50	CLUPEA HARENGUS, HARENGUS, CLUPEA HARENGUS,		-	-	-	-	-	-	-	-
51	PALLASI. FISH, HERRING		-	-	-	-	-	-	-	-
52	-HARENGUS, CLUPEA HARENGUS,	5-02-000	93.1	-	-	3.45*	-	-	-	2.83*
53	PALLASI HERRING, WHOLE OR CUTTINGS,		100.0	-	-	3.70*	-	-	-	3.04*
54	COOKED MECH-EXTD DEHY GRND, (5)		-	-	-	-	-	-	-	-
55	-HARENGUS, CLUPEA HARENGUS,	5-01-999	25.8	-	-	-	-	-	-	-
56	PALLASI HERRING, WHOLE, RAW, (5)		100.0	-	-	-	-	-	-	-
57	CLUPEA SPP, SARDINOPS SPP. FISH, SARDINE		-	-	-	-	-	-	-	-
58	-SARDINOPS SPP SARDINE, WHOLE OR	5-02-015	90.9	-	-	3.03*	-	-	-	2.49*
59	CUTTINGS, COOKED MECH-EXTD DEHY GRND,		100.0	-	-	3.33*	-	-	-	2.73*
60	(5)		-	-	-	-	-	-	-	-
61	COCOA MEAL		-	-	-	-	-	-	-	-
62	-SEE THEOBROMA CACAO, SEEDS, GRND, (5)		-	-	-	-	-	-	-	-
63	COCOA SHELLS		-	-	-	-	-	-	-	-
64	-SEE THEOBROMA CACAO, SHELLS, GRND,		-	-	-	-	-	-	-	-
65	(1)		-	-	-	-	-	-	-	-
66	COCONUT MEAL, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
67	-SEE COCOS NUCIFERA, MEATS, MECH-EXTD		-	-	-	-	-	-	-	-
68	GRND, (5)		-	-	-	-	-	-	-	-
69	COCONUT MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
70	-SEE COCOS NUCIFERA, MEATS, SOLV-EXTD		-	-	-	-	-	-	-	-
71	GRND, (5)		-	-	-	-	-	-	-	-
72	COCONUT OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
73	-SEE COCOS NUCIFERA, MEATS, MECH-EXTD		-	-	-	-	-	-	-	-
74	GRND, (5)		-	-	-	-	-	-	-	-
75	COCONUT OIL MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
76	-SEE COCOS NUCIFERA, MEATS, MECH-EXTD		-	-	-	-	-	-	-	-
77	GRND, (5)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.95*	0.20*	0.87*	44.*	-	46.*	-	-	12.8	18	10
02	-	-	1.04*	0.22*	0.96*	49.*	-	51.*	-	-	14.1	-	-
03	-	-	0.60*	0.27*	0.62*	28.	-	30.*	-	-	5.9	69	7
04	-	-	1.21*	0.54*	1.24*	57.	-	60.*	-	-	12.0	-	-
05	-	-	0.25*	0.12*	0.26*	12.*	-	12.*	-	-	2.0		1
06	-	-	1.23*	0.58*	1.27*	58.*	-	57.*	-	-	9.8	-	-
07	-	-	0.19*	0.02*	0.17*	9.*	-	10.*	-	-	0.8		1
08	-	-	1.00*	0.12*	0.88*	46.*	-	53.*	-	-	4.0	-	-
09	-	-	0.26*	0.04*	0.23*	12.*	-	14.*	-	-	1.3		2
10	-	-	1.02*	0.16*	0.91*	47.*	-	54.*	-	-	5.2	-	-
11	-	-	0.24*	0.06*	0.22*	11.*	-	12.*	-	-	2.0		1
12	-	-	1.08*	0.29*	1.02*	50.*	-	56.*	-	-	9.0	-	-
13	-	-	0.25*	0.03*	0.23*	12.*	-	14.*	-	-	1.4		3
14	-	-	1.01*	0.13*	0.89*	47.*	-	54.*	-	-	5.5	-	-
15	-	-	-	-	-	-	-	-	-	-	1.2	11	5
16	-	-	-	-	-	-	-	-	-	-	4.3	-	-
17	-	-	0.26*	0.01*	0.22*	12.*	-	15.*	-	-	1.7		1
18	-	-	0.96*	0.02*	0.80*	44.*	-	55.*	-	-	6.3	-	-
19	-	-	0.18*	0.03*	0.16*	9.*	-	10.*	-	-	0.9		2
20	-	-	1.01*	0.14*	0.90*	47.*	-	54.*	-	-	5.1	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	3028.*	-	1.34*	0.83*	1.46*	61.*	-	79.	72.*	-	7.5		3
32	3435.*	-	1.52*	0.95*	1.66*	69.*	-	89.	81.*	-	8.5	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	0.28*	0.16*	0.30*	13.*	-	11.*	-	-	1.4		1
35	-	-	1.42*	0.84*	1.54*	66.*	-	58.*	-	-	7.1	-	-
36	2911.*	-	1.19*	0.68*	1.28*	55.*	-	68.*	69.*	-	5.8		1
37	3417.*	-	1.39*	0.80*	1.50*	64.*	-	80.*	81.*	-	6.8	-	-
38	2953$_{\underline{a}}$*	-	0.95*	0.13*	0.85*	44$_{\underline{a}}$*	-	71$_{\underline{a}}$*	70$_{\underline{a}}$*	-	4.3		2
39	3118$_{\underline{a}}$*	-	1.01*	0.14*	0.89*	47$_{\underline{a}}$*	-	75$_{\underline{a}}$*	74$_{\underline{a}}$*	-	4.5	-	-
40	598.*	-	0.29*	0.19*	0.32*	13.*	-	14.*	14.*	-	1.0		1
41	3358.*	-	1.63*	1.05*	1.79*	73.*	-	78.*	79.*	-	5.5	-	-
42	2770$_{\underline{a}}$*	-	1.02*	0.49*	1.11*	51$_{\underline{a}}$*	-	75$_{\underline{a}}$*	65$_{\underline{a}}$*	-	6.4		2
43	3073$_{\underline{a}}$*	-	1.21*	0.54*	1.24*	57$_{\underline{a}}$*	-	83$_{\underline{a}}$*	73$_{\underline{a}}$*	-	7.1	-	-
44	-	-	-	-	-	-	-	52$_{\underline{a}}$*	-	-	5.7		2
45	-	-	-	-	-	-	-	76$_{\underline{a}}$*	-	-	8.4	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	0.50*	0.32*	0.55*	23.*	-	23.*	-	-	4.2		1
49	-	-	1.60*	1.03*	1.76*	72.*	-	73.*	-	-	13.4	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	3206$_{\underline{a}}$	-	-	-	-	-	78$_{\underline{a}}$	-	-	72.4	3	56
53	-	3444$_{\underline{a}}$	-	-	-	-	-	84$_{\underline{a}}$	-	-	77.8	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	18.2		2
56	-	-	-	-	-	-	-	-	-	-	70.4	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	2844.	-	-	-	-	-	69.*	-	-	57.0		1
59	-	3129.	-	-	-	-	-	76.*	-	-	62.7	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	8.3*	8.6*	8.3*	-	-	33.5	8	11	1.7	-	-	-
02	9.1*	9.5*	9.2*	-	-	36.9	-	-	1.8	-	-	-
03	3.4	3.8*	3.5	-	-	15.7	12	7	1.1	0.16		3
04	6.9	7.7*	7.1	-	-	31.6	-	-	2.2	0.31	-	-
05	1.3*	1.2*	1.2*	-	-	6.6		1	0.2	0.15		1
06	6.2*	5.8*	6.1*	-	-	32.6	-	-	1.2	0.74	-	-
07	0.2*	0.2*	0.1*	-	-	7.7		1	0.3	-	-	-
08	1.3*	0.9*	0.7*	-	-	40.3	-	-	1.6	-	-	-
09	0.6*	0.5*	0.5*	-	-	10.1		2	0.4	0.09		2
10	2.4*	2.0*	1.9*	-	-	40.1	-	-	1.5	0.35	-	-
11	1.2*	1.1*	1.2*	-	-	8.6		1	0.5	-	-	-
12	5.5*	5.2*	5.4*	-	-	39.0	-	-	2.1	-	-	-
13	0.6*	0.6*	0.5*	-	-	10.4		3	0.4	0.14		2
14	2.6*	2.2*	2.1*	-	-	40.9	-	-	1.7	0.55	-	-
15	0.4*	0.3*	0.3*	-	-	12.1	1	5	0.5	-	-	-
16	1.5*	1.1*	1.0*	-	-	43.5	-	-	1.8	-	-	-
17	0.9*	0.8*	0.8*	-	-	11.4		1	0.6	-	-	-
18	3.2*	2.9*	2.9*	-	-	42.4	-	-	2.2	-	-	-
19	0.4*	0.3*	0.3*	-	-	7.2		2	0.3	0.09		2
20	2.3*	1.9*	1.8*	-	-	39.8	-	-	1.7	0.50	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	3.3*	4.4*	5.9	-	-	8.4		3	1.7	0.62		1
32	3.8*	5.0*	6.7	-	-	9.6	-	-	1.9	0.71	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	0.5*	0.5*	0.5*	-	-	3.1		1	1.7	-	-	-
35	2.7*	2.7*	2.7*	-	-	15.9	-	-	8.8	-	-	-
36	1.9*	3.0*	3.0*	-	-	8.3		1	0.6	-	-	-
37	2.3*	3.5*	3.5*	-	-	9.8	-	-	0.7	-	-	-
38	0.2*	1.3*	1.3*	-	-	10.3		2	1.0	-	-	-
39	0.2*	1.4*	1.4*	-	-	10.8	-	-	1.1	-	-	-
40	0.2*	0.4*	0.4*	-	-	1.8		1	1.3	-	-	-
41	1.1*	2.3*	2.3*	-	-	10.2	-	-	7.1	-	-	-
42	2.3*	3.4*	3.4*	-	-	11.6		2	3.4	2.00		2
43	2.5*	3.7*	3.7*	-	-	12.9	-	-	3.8	2.22	-	-
44	2.5*	3.4*	3.4*	-	-	-	-	-	0.2	1.22		2
45	3.7*	4.9*	4.9*	-	-	-	-	-	0.3	1.77	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	2.9*	2.8*	3.0*	-	-	3.5		1	0.3	-	-	-
49	9.3*	8.9*	9.5*	-	-	11.1	-	-	1.1	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	64.1	-	-	0.6	20	9	9.1	2.14	24	34
53	-	-	68.8	-	-	0.6	-	-	9.8	2.30	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	6.3	-	-	-
56	-	-	-	-	-	-	-	-	24.5	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	46.7	-	-	17.3	98	4	4.8	0.01		1
59	-	-	51.4	-	-	19.0	-	-	5.3	0.01	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	0.10	0.09		2	0.43	0.04	-	-	-	-	-	-	-	-	-	-	-	-
04	0.21	0.19	-	-	0.87	0.08	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.08		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	0.03	0.03		2	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-
10	0.12	0.13	-	-	1.83	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0.05	0.03		2	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-
14	0.18	0.13	-	-	1.34	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	0.03	0.04		2	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.15	0.21	-	-	1.91	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.10		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	0.16	0.13		2	-	-	-	769a	21.6	13.0	-	2.4	-	-	-	-	-	-
43	0.18	0.15	-	-	-	-	-	854a	24.0	14.4	-	2.7	-	-	-	-	-	-
44	0.14	0.12		2	0.09	-	-	-	27.1	12.8	-	6.3	-	-	-	-	-	-
45	0.21	0.18	-	-	0.14	-	-	-	39.5	18.6	-	9.1	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	0.14	1.63	19	34	1.13	0.69	-	5538.	89.3	17.4	-	10.1	399.4	2.18	0.84	5.92	2.10	0.81
53	0.15	1.75	-	-	1.22	0.74	-	5949.	95.9	18.7	-	10.8	429.1	2.35	0.90	6.36	2.25	0.87
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.25		2	0.53	-	-	-	37.5	-	-	1.6	-	-	-	-	-	-
56	-	0.96	-	-	2.04	-	-	-	145.4	-	-	6.1	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	0.10	0.04		1	0.32	-	-	2901a	60.8	9.1	-	5.8	168.1	-	0.91	5.79	1.96	0.67
59	0.11	0.04	-	-	0.35	-	-	3191a	66.9	10.0	-	6.4	185.0	-	1.01	6.36	2.16	0.74
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	COCONUT OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
02	-SEE COCOS NUCIFERA, MEATS, SOLV-EXTD		-	-	-	-	-	-	-	-
03	GRND, (5)		-	-	-	-	-	-	-	-
04	COCOS NUCIFERA. COCONUT		-	-	-	-	-	-	-	-
05	-HULLS, (1)	1-10-626	95.8	-	2.79*	2.17*	-	-	2.28*	1.78*
06			100.0	-	2.91*	2.26*	-	-	2.38*	1.85*
07	-PULP, DEHY, (1)	1-10-625	95.9	2.10*	-	2.19*	-	1.73*	-	1.79*
08			100.0	2.19*	-	2.28*	-	1.80*	-	1.87*
09	-FRUIT, (4)	4-10-624	96.3	2.77*	-	2.90*	-	2.27*	-	2.37*
10			100.0	2.88*	-	3.01*	-	2.36*	-	2.47*
11	-FRUIT, MECH-EXTD GRND, (4)	4-10-623	91.8	2.98*	-	2.58*	1995.*	2.44*	-	2.11*
12			100.0	3.25*	-	2.81*	2173.*	2.66*	-	2.30*
13	-MEATS, DEHY, (4)	4-08-190	92.8	-	-	-	-	-	-	-
14			100.0	-	-	-	-	-	-	-
15	-MEATS, FRESH, (4)	4-01-574	54.9	-	-	-	2802.*	-	-	-
16			100.0	-	-	-	5099.*	-	-	-
17	-MEATS, MECH-EXTD GRND, (5)	5-01-572	91.8	2.90*	-	3.53*	-	2.38*	-	2.89*
18	COCONUT MEAL, MECHANICAL EXTRACTED (AAFCO)		100.0	3.16*	-	3.84*	-	2.59*	-	3.15*
19	COPRA MEAL, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
20	-MEATS, SOLV-EXTD GRND, (5)	5-01-573	92.3	3.28*	-	3.06*	-	2.69*	-	2.51*
21	COCONUT MEAL, SOLVENT EXTRACTED (AAFCO)		100.0	3.55*	-	3.32*	-	2.91*	-	2.72*
22	COPRA MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
23	COCOS SPP. COCONUT		-	-	-	-	-	-	-	-
24	-LEAVES, FRESH, (2)	2-10-413	46.8	1.53*	-	1.35*	-	1.26*	-	1.11*
25			100.0	3.27*	-	2.89*	-	2.68*	-	2.37*
26	COFFEA ARABICA. COFFEE, ARABIAN		-	-	-	-	-	-	-	-
27	-HULLS, (1)	1-10-448	55.2	1.30*	1.08*	1.28*	-	1.07*	0.89*	1.05*
28			100.0	2.36*	1.96*	2.31*	-	1.94*	1.60*	1.90*
29	-HULLS, CRUSHED AND WASHED, (1)	1-10-451	-	-	-	-	-	-	-	-
30			100.0	2.64*	1.79*	2.59*	-	2.17*	1.47*	2.13*
31	-HULLS, DRIED, (1)	1-10-450	-	-	-	-	-	-	-	-
32			100.0	2.77*	-	2.69*	-	2.27*	-	2.21*
33	-HULLS, GRND, (1)	1-11-475	91.1	2.45*	1.84*	2.32*	-	2.01*	1.51*	1.90*
34			100.0	2.68*	2.02*	2.54*	-	2.20*	1.66*	2.09*
35	-PULP, (1)	1-10-617	46.9	1.31*	0.87*	1.28*	-	1.08*	0.72*	1.05*
36			100.0	2.81*	1.87*	2.72*	-	2.30*	1.53*	2.23*
37	-PULP, DEHY, (1)	1-10-449	88.9	2.37*	1.72*	2.28*	-	1.95*	1.41*	1.87*
38			100.0	2.67*	1.94*	2.56*	-	2.19*	1.59*	2.10*
39	-PULP, DEHY GRND, (1)	1-11-468	86.1	2.31*	1.67*	2.21*	-	1.89*	1.37*	1.81*
40			100.0	2.68*	1.94*	2.57*	-	2.20*	1.59*	2.11*
41	-PULP, DEHY PELLETED, (1)	1-10-630	86.7	2.34*	1.67*	2.25*	-	1.92*	1.37*	1.85*
42			100.0	2.70*	1.92*	2.60*	-	2.22*	1.58*	2.13*
43	-PULP, ENSILED DEHY, (1)	1-11-469	92.2	2.39*	1.78*	2.30*	-	1.96*	1.46*	1.89*
44			100.0	2.59*	1.93*	2.50*	-	2.12*	1.59*	2.05*
45	-JUICE, (2)	2-10-618	2.8	-	-	-	-	-	-	-
46			100.0	-	-	-	-	-	-	-
47	-PULP, WET, (2)	2-11-471	24.9	0.86*	-	0.72*	-	0.71*	-	0.59*
48			100.0	3.48*	-	2.90*	-	2.85*	-	2.38*
49	-PULP, ENSILED, (3)	3-11-467	19.0	0.50*	-	0.55*	-	0.41*	-	0.45*
50			100.0	2.65*	-	2.91*	-	2.18*	-	2.39*
51	COFFEA SPP. COFFEE		-	-	-	-	-	-	-	-
52	-CHAFF, (1)	1-11-480	92.8	-	-	2.58*	-	-	-	2.12*
53			100.0	-	-	2.78*	-	-	-	2.28*
54	-PULP, DEHY, (1)	1-09-734	-	-	-	-	-	-	-	-
55			100.0	-	2.04*	2.70*	-	-	1.67*	2.21*
56	-STRAW, GRND, (1)	1-11-476	-	-	-	-	-	-	-	-
57			100.0	2.82*	1.87*	2.74*	-	2.31*	1.53*	2.24*
58	-BROWSE, FRESH, (2)	2-09-585	92.2	-	-	-	-	-	-	-
59			100.0	-	-	-	-	-	-	-
60	COLOCASIA ESCULENTA. DASHEEN		-	-	-	-	-	-	-	-
61	-AERIAL PART, FRESH, (2)	2-10-456	16.7	-	-	0.57*	-	-	-	0.46*
62			100.0	-	-	3.39*	-	-	-	2.78*
63	-TUBERS, COOKED, (4)	4-10-465	26.2	0.86*	-	0.98*	1010.*	0.71*	-	0.80*
64			100.0	3.30*	-	3.72*	3855.*	2.70*	-	3.05*
65	-TUBERS, DEHY, (4)	4-10-464	85.9	-	-	-	3282.*	-	-	-
66			100.0	-	-	-	3820.*	-	-	-
67	-TUBERS, FRESH, (4)	4-10-463	29.9	0.86*	-	1.08*	1105.*	0.70*	-	0.89*
68			100.0	2.86*	-	3.61*	3696.*	2.35*	-	2.96*
69	-TUBER SKINS, COOKED, (4)	4-10-460	36.3	-	-	1.34*	1454.*	-	-	1.10*
70			100.0	-	-	3.70*	4005.*	-	-	3.03*
71	-TUBER SKINS, FRESH, (4)	4-10-459	36.1	1.16*	-	1.32*	1394.*	0.95*	-	1.08*
72			100.0	3.21*	-	3.64*	3856.*	2.63*	-	2.99*
73	-TUBERS WO SKINS, COOKED, (4)	4-10-462	40.2	-	-	-	-	-	-	-
74			100.0	-	-	-	-	-	-	-
75	-TUBERS WO SKINS, DEHY	4-10-466	94.2	3.18*	-	3.53*	3650.*	2.61*	-	2.90*
76	GRND EXTN UNSPECIFIED, (4)		100.0	3.37*	-	3.75*	3875.*	2.77*	-	3.08*
77	-TUBERS WO SKINS, FRESH, (4)	4-10-458	35.8	-	-	1.36*	1419.*	-	-	1.12*
78			100.0	-	-	3.82*	3967.*	-	-	3.13*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	72.*	49.*	-	-	4.0		1
06	-	-	-	-	-	-	75.*	51.*	-	-	4.2	-	-
07	-	-	1.02*	0.26*	0.96*	48.*	-	50.*	-	-	4.2		1
08	-	-	1.06*	0.27*	1.00*	50.*	-	52.*	-	-	4.4	-	-
09	-	-	1.36*	0.80*	1.47*	63.*	-	66.*	-	-	4.1		1
10	-	-	1.41*	0.83*	1.53*	65.*	-	68.*	-	-	4.3	-	-
11	1915.*	-	1.52*	0.99*	1.67*	68.*	-	58.*	45.*	-	17.6		1
12	2086.*	-	1.65*	1.08*	1.82*	74.*	-	64.*	49.*	-	19.2	-	-
13	-	-	-	-	-	-	-	-	-	-	13.7	58	7
14	-	-	-	-	-	-	-	-	-	-	14.7	-	-
15	2690▲*	-	-	-	-	-	-	-	64▲*	-	7.8	41	6
16	4895▲*	-	-	-	-	-	-	-	116▲*	-	14.1	-	-
17	-	1756.	1.46*	0.94*	1.61*	66.*	-	80.*	-	-	18.7		3
18	-	1913.	1.59*	1.02*	1.75*	72.*	-	87.*	-	-	20.4	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	1.73*	1.15*	1.90*	74.*	-	70.*	-	-	30.0	49	5
21	-	-	1.88*	1.25*	2.06*	81.*	-	75.*	-	-	32.5	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	0.78*	0.51*	0.86*	35.*	-	31.*	-	-	7.5	16	4
25	-	-	1.67*	1.09*	1.84*	74.*	-	66.*	-	-	16.0	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	0.63*	0.23*	0.62*	30.*	27.*	29.*	-	-	5.3	61	7
28	-	-	1.14*	0.42*	1.13*	54.*	49.*	52.*	-	-	9.7	-	-
29	-	-	-	-	-	-	-	-	-	-	-		1
30	-	-	1.28*	0.66*	1.35*	60.*	44.*	59.*	-	-	9.2	-	-
31	-	-	-	-	-	-	-	-	-	-	-		3
32	-	-	1.35*	0.75*	1.45*	63.*	-	61.*	-	-	10.9	-	-
33	-	-	1.19*	0.63*	1.26*	55.*	46.*	53.*	-	-	9.1		1
34	-	-	1.31*	0.69*	1.38*	61.*	51.*	58.*	-	-	10.0	-	-
35	-	-	0.64*	0.37*	0.69*	30.*	22.*	29.*	-	-	4.9	21	11
36	-	-	1.37*	0.78*	1.48*	64.*	46.*	62.*	-	-	10.4	-	-
37	-	-	1.15*	0.60*	1.22*	54.*	43.*	52.*	-	-	10.4	16	17
38	-	-	1.30*	0.68*	1.37*	61.*	48.*	58.*	-	-	11.7	-	-
39	-	-	1.12*	0.59*	1.18*	52.*	42.*	50.*	-	-	10.7		3
40	-	-	1.30*	0.68*	1.38*	61.*	48.*	58.*	-	-	12.5	-	-
41	-	-	1.14*	0.61*	1.21*	53.*	42.*	51.*	-	-	8.0		1
42	-	-	1.32*	0.70*	1.39*	61.*	48.*	59.*	-	-	9.2	-	-
43	-	-	1.16*	0.57*	1.21*	54.*	45.*	52.*	-	-	10.8		2
44	-	-	1.26*	0.62*	1.31*	59.*	48.*	57.*	-	-	11.7	-	-
45	-	-	-	-	-	-	-	-	-	-	0.5		1
46	-	-	-	-	-	-	-	-	-	-	17.9	-	-
47	-	-	0.45*	0.30*	0.50*	20.*	-	16.*	-	-	2.7	15	6
48	-	-	1.82*	1.21*	2.00*	79.*	-	66.*	-	-	10.9	-	-
49	-	-	0.24*	0.13*	0.26*	11.*	-	13.*	-	-	2.9	35	7
50	-	-	1.29*	0.66*	1.36*	60.*	-	66.*	-	-	15.4	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	59.*	-	-	2.0		1
53	-	-	-	-	-	-	-	63.*	-	-	2.2	-	-
54	-	-	-	-	-	-	-	-	-	-	-		1
55	-	-	-	-	-	-	51.*	61.*	-	-	10.3	-	-
56	-	-	-	-	-	-	-	-	-	-	-		1
57	-	-	1.38*	0.79*	1.49*	64.*	46.*	62.*	-	-	10.3	-	-
58	-	-	-	-	-	-	-	-	-	-	3.5		1
59	-	-	-	-	-	-	-	-	-	-	3.8	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	13.*	-	-	2.8		1
62	-	-	-	-	-	-	-	77.*	-	-	16.7	-	-
63	969.*	-	0.44*	0.29*	0.49*	20.*	-	22.*	23.*	-	1.6		1
64	3700.*	-	1.69*	1.11*	1.86*	75.*	-	84.*	87.*	-	6.1	-	-
65	3150.*	-	-	-	-	-	-	-	74.*	-	4.6		3
66	3667.*	-	-	-	-	-	-	-	87.*	-	5.4	-	-
67	1061.*	-	0.42*	0.25*	0.45*	19.*	-	25.*	25.*	-	1.8		2
68	3548.*	-	1.41*	0.82*	1.52*	65.*	-	82.*	84.*	-	6.0	-	-
69	1395.*	-	-	-	-	-	-	30.*	33.*	-	1.1		1
70	3844.*	-	-	-	-	-	-	84.*	91.*	-	3.0	-	-
71	1338.*	-	0.59*	0.38*	0.65*	26.*	-	30.*	32.*	-	1.4		2
72	3702.*	-	1.63*	1.05*	1.79*	73.*	-	83.*	87.*	-	3.9	-	-
73	-	-	-	-	-	-	-	-	-	-	0.8		1
74	-	-	-	-	-	-	-	-	-	-	1.9	-	-
75	3504.*	-	1.64*	1.09*	1.81*	72.*	-	80.*	83.*	-	5.8		1
76	3720.*	-	1.74*	1.15*	1.92*	77.*	-	85.*	88.*	-	6.2	-	-
77	1362.*	-	-	-	-	-	-	31.*	32.*	-	1.7		3
78	3809.*	-	-	-	-	-	-	87.*	90.*	-	4.7	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	0.6*	1.0*	0.3*	-	-	37.3		1	6.1	-	-	-
06	0.6*	1.1*	0.3*	-	-	38.9	-	-	6.4	-	-	-
07	0.7*	1.2*	0.5*	-	-	31.2		1	0.5	-	-	-
08	0.8*	1.3*	0.5*	-	-	32.5	-	-	0.5	-	-	-
09		1.1*	1.1*	-	-	34.4		1	2.7	-	-	-
10		1.2*	1.2*	-	-	35.7	-	-	2.8	-	-	-
11	12.5*	13.6*	13.6*	-	-	20.4		1	8.1	-	-	-
12	13.6*	14.8*	14.8*	-	-	22.2	-	-	8.8	-	-	-
13	8.8*	9.9*	9.9*	-	-	16.5	37	7	33.8	0.10	17	4
14	9.5*	10.7*	10.7*	-	-	17.8	-	-	36.5	0.11	-	-
15	4.9*	5.6*	5.6*	-	-	3.5	70	7	15.2	0.01		1
16	9.0*	10.2*	10.2*	-	-	6.3	-	-	27.6	0.03	-	-
17	-	-	15.9	-	-	16.5		3	10.4	0.21		3
18	-	-	17.3	-	-	18.0	-	-	11.3	0.23	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	8.3	41	5	5.9	0.07		2
21	-	-	-	-	-	9.0	-	-	6.4	0.07	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	5.4*	5.2*	5.6*	-	-	12.8	7	4	1.9	-	-	-
25	11.5*	11.1*	11.9*	-	-	27.3	-	-	4.1	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	2.9*	3.2*	2.9*	-	-	20.4	81	7	2.2	-	-	-
28	5.3*	5.7*	5.2*	-	-	36.9	-	-	4.0	-	-	-
29	-	-	-	-	-	-		1	-	-	-	-
30	4.9*	5.3*	4.8*	-	-	22.7	-	-	2.4	-	-	-
31	-	-	-	-	-	-		3	-	-	-	-
32	6.4*	6.8*	6.4*	-	-	15.0	-	-	2.6	-	-	-
33	5.1*	5.5*	5.0*	-	-	23.5		1	3.4	-	-	-
34	5.6*	6.0*	5.5*	-	-	25.8	-	-	3.7	-	-	-
35	2.8*	3.0*	2.7*	-	-	9.1	28	11	1.3	0.63	74	7
36	5.9*	6.3*	5.9*	-	-	19.4	-	-	2.9	1.34	-	-
37	6.3*	6.7*	6.3*	-	-	22.0	23	17	2.6	0.78	76	5
38	7.1*	7.5*	7.1*	-	-	24.7	-	-	2.9	0.87	-	-
39	6.6*	7.0*	6.7*	-	-	22.2		3	2.6	-	-	-
40	7.7*	8.1*	7.7*	-	-	25.8	-	-	3.1	-	-	-
41	4.3*	4.7*	4.2*	-	-	17.6		1	2.6	0.54		1
42	4.9*	5.4*	4.8*	-	-	20.3	-	-	3.0	0.62	-	-
43	6.5*	6.9*	6.5*	-	-	21.7		2	2.4	3.09		2
44	7.1*	7.5*	7.1*	-	-	23.5	-	-	2.6	3.35	-	-
45	0.4*	0.4*	0.4*	-	-	-	-	-	0.2	0.09		1
46	13.1*	12.7*	13.6*	-	-	-	-	-	7.1	3.21	-	-
47	1.8*	1.7*	1.8*	-	-	5.3	11	6	0.8	0.13		1
48	7.1*	6.8*	7.1*	-	-	21.5	-	-	3.3	0.52	-	-
49	1.9*	1.9*	1.9*	-	-	4.7	11	7	0.6	-	-	-
50	10.2*	10.2*	10.2*	-	-	25.0	-	-	3.1	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-1.0*	-0.5*	-1.3*	-	-	69.8		1	0.5	-	-	-
53	-1.1*	-0.5*	-1.4*	-	-	75.2	-	-	0.5	-	-	-
54	-	-	-	-	-	-		1	-	-	-	-
55	5.8*	6.3*	5.8*	-	-	23.0	-	-	7.0	-	-	-
56	-	-	-	-	-	-		1	-	-	-	-
57	5.9*	6.3*	5.8*	-	-	18.2	-	-	2.9	-	-	-
58	1.0*	0.7*	0.5*	-	-	60.3		1	0.7	-	-	-
59	1.1*	0.8*	0.5*	-	-	65.4	-	-	0.8	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	2.0*	2.0*	2.1*	-	-	1.4		1	0.9	-	-	-
62	12.1*	11.7*	12.6*	-	-	8.5	-	-	5.5	-	-	-
63	0.4*	0.7*	0.7*	-	-	0.9		1	0.1	0.03		1
64	1.6*	2.8*	2.8*	-	-	3.4	-	-	0.4	0.11	-	-
65	0.8*	1.9*	1.9*	-	-	0.6		1	0.6	-	-	-
66	1.0*	2.2*	2.2*	-	-	0.7	-	-	0.8	-	-	-
67	0.5*	0.8*	0.8*	-	-	1.3		2	0.3	0.04		2
68	1.6*	2.8*	2.8*	-	-	4.4	-	-	0.8	0.13	-	-
69	-0.3*			-	-	2.2		1	0.1	-	-	-
70	-1.1*			-	-	6.0	-	-	0.3	-	-	-
71		0.3*	0.3*	-	-	2.5		2	0.3	-	-	-
72	-0.3*	0.8*	0.8*	-	-	7.0	-	-	0.7	-	-	-
73	-0.8*	-0.3*	-0.3*	-	-	0.6		1	0.1	-	-	-
74	-2.1*	-0.9*	-0.9*	-	-	1.4	-	-	0.3	-	-	-
75	1.6*	2.7*	2.7*	-	-	3.0		1	0.5	0.23		1
76	1.7*	2.9*	2.9*	-	-	3.2	-	-	0.5	0.24	-	-
77	0.1*	0.6*	0.6*	-	-	0.6		3	0.1	-	-	-
78	0.3*	1.5*	1.5*	-	-	1.6	-	-	0.4	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0.38	0.18	21	4	2.73	-	-	-	-	-	-	-	-	-	-	-	-	-
14	0.41	0.19	-	-	2.95	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	0.11		1	0.29	-	-	-	5.6	-	-	0.2	-	-	-	-	-	-
16	-	0.19	-	-	0.52	-	-	-	10.2	-	-	0.4	-	-	-	-	-	-
17	0.31	0.61		3	1.52	0.34	-	1081▲	27.7	6.0	-	3.3	-	-	-	0.70	0.33	0.20
18	0.33	0.67	-	-	1.65	0.37	-	1178▲	30.2	6.5	-	3.6	-	-	-	0.76	0.36	0.22
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.25	0.11		2	1.62	-	-	1279▲	31.4	5.8	-	3.6	-	-	-	0.70	0.35	0.21
21	0.27	0.12	-	-	1.75	-	-	1385▲	34.0	6.3	-	3.9	-	-	-	0.76	0.37	0.23
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	0.13	98	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.13	28	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.15		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.17		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	0.08		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	2.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	0.04	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	0.13	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.08	0.30		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	0.08	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	CONDENSED BEET SOLUBLES PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
02	-SEE BETA SACCHARIFERA SUGAR, SOLUBLES		-	-	-	-	-	-	-	-
03	W LOW K SALTS AND GLUTAMIC ACID,		-	-	-	-	-	-	-	-
04	CONDENSED, (5)		-	-	-	-	-	-	-	-
05	CONDENSED BUTTERMILK (AAFCO)		-	-	-	-	-	-	-	-
06	-SEE BOS SPP, BUTTERMILK, CONDENSED,		-	-	-	-	-	-	-	-
07	MN 27% TOTAL SOLIDS MN 0.055% FAT MX		-	-	-	-	-	-	-	-
08	0.14% ASH PER 1% SOLIDS, (5)		-	-	-	-	-	-	-	-
09	CONDENSED FISH SOLUBLES (AAFCO)		-	-	-	-	-	-	-	-
10	-SEE FISH, STICKWATER SOLUBLES,		-	-	-	-	-	-	-	-
11	CONDENSED, MN 30% PROTEIN, (5)		-	-	-	-	-	-	-	-
12	COPRA MEAL, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
13	-SEE COCOS NUCIFERA, MEATS, MECH-EXTD		-	-	-	-	-	-	-	-
14	GRND, (5)		-	-	-	-	-	-	-	-
15	COPRA MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
16	-SEE COCOS NUCIFERA, MEATS, SOLV-EXTD		-	-	-	-	-	-	-	-
17	GRND, (5)		-	-	-	-	-	-	-	-
18	COPRA OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
19	-SEE COCOS NUCIFERA, MEATS, MECH-EXTD		-	-	-	-	-	-	-	-
20	GRND, (5)		-	-	-	-	-	-	-	-
21	COPRA OIL MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
22	-SEE COCOS NUCIFERA, MEATS, MECH-EXTD		-	-	-	-	-	-	-	-
23	GRND, (5)		-	-	-	-	-	-	-	-
24	COPRA OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
25	-SEE COCOS NUCIFERA, MEATS, SOLV-EXTD		-	-	-	-	-	-	-	-
26	GRND, (5)		-	-	-	-	-	-	-	-
27	CORDIA BOISSIERI, ANACAHUITA,		-	-	-	-	-	-	-	-
28	-BROWSE, FRESH, (2)	2-11-436	34.2	-	-	-	-	-	-	-
29			100.0	-	-	-	-	-	-	-
30	CORN AND COB MEAL WITH HUSKS (AAFCO)		-	-	-	-	-	-	-	-
31	-SEE ZEA MAYS, EARS W HUSKS, GRND, (4)		-	-	-	-	-	-	-	-
32	CORN AND COB MEAL (AAFCO)		-	-	-	-	-	-	-	-
33	-SEE ZEA MAYS, EARS, GRND, (4)		-	-	-	-	-	-	-	-
34	CORN CHOP (AAFCO)		-	-	-	-	-	-	-	-
35	-SEE ZEA MAYS, GRAIN, GRND, MX 4%		-	-	-	-	-	-	-	-
36	FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
37	CORN DISTILLERS DRIED GRAINS WITH SOLUBLES		-	-	-	-	-	-	-	-
38	(AAFCO)		-	-	-	-	-	-	-	-
39	-SEE ZEA MAYS, DISTILLERS GRAINS W		-	-	-	-	-	-	-	-
40	SOLUBLES, DEHY, MN 75% ORIGINAL		-	-	-	-	-	-	-	-
41	SOLIDS, (5)		-	-	-	-	-	-	-	-
42	CORN DISTILLERS DRIED GRAINS (AAFCO)		-	-	-	-	-	-	-	-
43	-SEE ZEA MAYS, DISTILLERS GRAINS,		-	-	-	-	-	-	-	-
44	DEHY, (5)		-	-	-	-	-	-	-	-
45	CORN DISTILLERS DRIED SOLUBLES (AAFCO)		-	-	-	-	-	-	-	-
46	-SEE ZEA MAYS, DISTILLERS SOLUBLES,		-	-	-	-	-	-	-	-
47	DEHY, (5)		-	-	-	-	-	-	-	-
48	CORN FODDER, FRESH		-	-	-	-	-	-	-	-
49	-SEE ZEA MAYS, AERIAL PART, FRESH, (2)		-	-	-	-	-	-	-	-
50	CORN FODDER SILAGE, DOUGH STAGE		-	-	-	-	-	-	-	-
51	-SEE ZEA MAYS, AERIAL PART, ENSILED,		-	-	-	-	-	-	-	-
52	DOUGH STAGE, (3)		-	-	-	-	-	-	-	-
53	CORN FODDER SILAGE, MATURE		-	-	-	-	-	-	-	-
54	-SEE ZEA MAYS, AERIAL PART, ENSILED,		-	-	-	-	-	-	-	-
55	RIPE SEED, (3)		-	-	-	-	-	-	-	-
56	CORN FODDER SILAGE, MILK STAGE		-	-	-	-	-	-	-	-
57	-SEE ZEA MAYS, AERIAL PART, ENSILED,		-	-	-	-	-	-	-	-
58	MILK STAGE, (3)		-	-	-	-	-	-	-	-
59	CORN FODDER SILAGE		-	-	-	-	-	-	-	-
60	-SEE ZEA MAYS, AERIAL PART, ENSILED,		-	-	-	-	-	-	-	-
61	(3)		-	-	-	-	-	-	-	-
62	CORN FODDER, SUN-CURED, MATURE		-	-	-	-	-	-	-	-
63	-SEE ZEA MAYS, AERIAL PART, S-C, RIPE		-	-	-	-	-	-	-	-
64	SEED, (1)		-	-	-	-	-	-	-	-
65	CORN GLUTEN FEED (AAFCO)		-	-	-	-	-	-	-	-
66	-SEE ZEA MAYS, GLUTEN W BRAN, WET		-	-	-	-	-	-	-	-
67	MILLED DEHY, (5)		-	-	-	-	-	-	-	-
68	CORN MEAL (AAFCO)		-	-	-	-	-	-	-	-
69	-SEE ZEA MAYS, GRAIN, GRND, MX 4%		-	-	-	-	-	-	-	-
70	FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
71	CORN STOVER SILAGE		-	-	-	-	-	-	-	-
72	-SEE ZEA MAYS, AERIAL PART WO EARS WO		-	-	-	-	-	-	-	-
73	HUSKS, ENSILED, (3)		-	-	-	-	-	-	-	-
74	CORN STOVER, SUN-CURED, MATURE		-	-	-	-	-	-	-	-
75	-SEE ZEA MAYS, AERIAL PART WO EARS WO		-	-	-	-	-	-	-	-
76	HUSKS, S-C, RIPE SEED, (1)		-	-	-	-	-	-	-	-
77	CORN STOVER, SUN-CURED		-	-	-	-	-	-	-	-
78	-SEE ZEA MAYS, AERIAL PART WO EARS WO		-	-	-	-	-	-	-	-
79	HUSKS, S-C, (1)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	2.6		1
29	-	-	-	-	-	-	-	-	-	-	7.7	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	1.5*	1.4*	1.4*	-	-	2.1		1	0.9	-	-	-
29	4.4*	4.1*	4.2*	-	-	6.0	-	-	2.6	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
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42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
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56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
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66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
79	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	CORN, WHITE, HOMINY FEED		-	-	-	-	-	-	-	-
02	-SEE ZEA MAYS WHITE, GRITS BY-PRODUCT,		-	-	-	-	-	-	-	-
03	MN 5% FAT, (4)		-	-	-	-	-	-	-	-
04	COTTAGE CHEESE		-	-	-	-	-	-	-	-
05	-SEE BOS SPP, CHEESE, COTTAGE WET, (5)		-	-	-	-	-	-	-	-
06	COTTONSEED MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
07	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
08	HULLS, MECH-EXTD GRND, MN 36% PROTEIN,		-	-	-	-	-	-	-	-
09	(5)		-	-	-	-	-	-	-	-
10	COTTONSEED MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
11	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
12	HULLS, MECH-EXTD GRND, MN 36% PROTEIN,		-	-	-	-	-	-	-	-
13	(5)		-	-	-	-	-	-	-	-
14	COTTONSEED MEAL, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
15	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
16	HULLS, MECH-EXTD GRND, MN 36% PROTEIN,		-	-	-	-	-	-	-	-
17	(5)		-	-	-	-	-	-	-	-
18	COTTONSEED MEAL, 36% PROTEIN		-	-	-	-	-	-	-	-
19	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
20	HULLS, MECH-EXTD GRND, MN 36% PROTEIN		-	-	-	-	-	-	-	-
21	MX 17% FIBER MN 2% FAT, (5)		-	-	-	-	-	-	-	-
22	COTTONSEED MEAL, 41% PROTEIN		-	-	-	-	-	-	-	-
23	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
24	HULLS, MECH-EXTD GRND, MN 41% PROTEIN		-	-	-	-	-	-	-	-
25	MX 14% FIBER MN 2% FAT, (5)		-	-	-	-	-	-	-	-
26	COTTONSEED MEAL, SOLVENT EXTRACTED, 41%		-	-	-	-	-	-	-	-
27	PROTEIN		-	-	-	-	-	-	-	-
28	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
29	HULLS, SOLV-EXTD GRND, MN 41% PROTEIN		-	-	-	-	-	-	-	-
30	MX 14% FIBER MN 0.5% FAT, (5)		-	-	-	-	-	-	-	-
31	COTTONSEED MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
32	-SEE GOSSYPIUM SPP, SEEDS W SOME		-	-	-	-	-	-	-	-
33	HULLS, SOLV-EXTD GRND, MN 36% PROTEIN,		-	-	-	-	-	-	-	-
34	(5)		-	-	-	-	-	-	-	-
35	COTTONSEED MEAL		-	-	-	-	-	-	-	-
36	-SEE GOSSYPIUM SPP, SEEDS, EXTN		-	-	-	-	-	-	-	-
37	UNSPECIFIED GRND, (5)		-	-	-	-	-	-	-	-
38	COTTONSEED, WHOLE, GROUND		-	-	-	-	-	-	-	-
39	-SEE GOSSYPIUM SPP, SEEDS, GRND, (5)		-	-	-	-	-	-	-	-
40	CRAB MEAL (AAFCO)		-	-	-	-	-	-	-	-
41	-SEE CALLINECTES SAPIDUS, CANCER SPP,		-	-	-	-	-	-	-	-
42	PARALITHODES CAMSCHATICA, PROCESS		-	-	-	-	-	-	-	-
43	RESIDUE, DEHY GRND, MN 25% PROTEIN		-	-	-	-	-	-	-	-
44	SALT DECLARED ABOVE 3% MX 7%, (5)		-	-	-	-	-	-	-	-
45	CRACKED CORN (AAFCO)		-	-	-	-	-	-	-	-
46	-SEE ZEA MAYS, GRAIN, CRACKED, MX 4%		-	-	-	-	-	-	-	-
47	FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
48	CRACKLINGS		-	-	-	-	-	-	-	-
49	-SEE SUS SCROFA, CRACKLINGS, DRY		-	-	-	-	-	-	-	-
50	RENDERED DEHY, (5)		-	-	-	-	-	-	-	-
51	CRASSOSTREA SPP, OSTREA SPP. OYSTERS		-	-	-	-	-	-	-	-
52	-OSTREA SPP, SHELLS, FINE GRND, MN 33% CA, (6)	6-03-481	99.0	-	-	-	-	-	-	-
53	OYSTER SHELL FLOUR (AAFCO)		100.0	-	-	-	-	-	-	-
54	CRESCENTIA ALATA. CALABASHTREE, CROSSLEAF		-	-	-	-	-	-	-	-
55	-HULLS, (1)	1-11-454	89.0	-	-	2.29*	-	-	-	1.88*
56			100.0	-	-	2.58*	-	-	-	2.11*
57	-PULP, (4)	4-10-628	74.0	3.18*	-	2.63*	2588.*	2.61*	-	2.16*
58			100.0	4.29*	-	3.53*	3498.*	3.52*	-	2.92*
59	-SEEDS, (5)	5-10-627	92.2	-	-	4.22*	-	-	-	3.46*
60			100.0	-	-	4.58*	-	-	-	3.75*
61	-SEEDS, SOLV EXTD GRND, (5)	5-11-455	87.9	-	-	3.13*	-	-	-	2.57*
62			100.0	-	-	3.56*	-	-	-	2.92*
63	-SEEDS, SOLV EXTD GRND SIFTED, (5)	5-11-453	87.7	-	-	2.90*	-	-	-	2.38*
64			100.0	-	-	3.31*	-	-	-	2.71*
65	CROTALARIA LONGIROSTRATA		-	-	-	-	-	-	-	-
66	- LEAVES, DEHY GRND, (1)	1-11-457	93.3	-	-	-	-	-	-	-
67			100.0	-	-	-	-	-	-	-
68	-SEEDS, (5)	5-11-458	88.7	2.90*	-	3.15*	-	2.37*	-	2.58*
69			100.0	3.26*	-	3.55*	-	2.68*	-	2.91*
70	CROTALARIA SPP. CROTALARIA		-	-	-	-	-	-	-	-
71	-HAY, S-C, (1)	1-10-115	89.0	-	-	-	-	-	-	-
72			100.0	-	-	-	-	-	-	-
73	CUCURBITA MAXIMA. SQUASH, WINTER		-	-	-	-	-	-	-	-
74	-FRUIT, FRESH, (4)	4-04-669	7.9	0.10*	-	0.19*	118.*	0.08*	-	0.15*
75			100.0	1.28*	-	2.39*	1493.*	1.05*	-	1.96*
76	CYMBOPOGON NARDUS. CITRONELLAGRASS		-	-	-	-	-	-	-	-
77	-AERIAL PART, MECH-EXTD, (1)	1-10-631	87.4	2.08*	1.70*	2.04*	-	1.71*	1.40*	1.67*
78			100.0	2.38*	1.95*	2.33*	-	1.95*	1.60*	1.91*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	0.3		1
53	-	-	-	-	-	-	-	-	-	-	0.3	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	52.*	-	-	3.6		1
56	-	-	-	-	-	-	-	58.*	-	-	4.0	-	-
57	2485.*	-	1.89*	1.18*	1.95*	72.*	-	60.*	59.*	-	10.4		1
58	3358.*	-	2.56*	1.60*	2.64*	97.*	-	81.*	79.*	-	14.1	-	-
59	-	-	-	-	-	-	-	96.*	-	-	26.1		2
60	-	-	-	-	-	-	-	104.*	-	-	28.4	-	-
61	-	-	-	-	-	-	-	71.*	-	-	62.6		1
62	-	-	-	-	-	-	-	81.*	-	-	71.2	-	-
63	-	-	-	-	-	-	-	66.*	-	-	58.1		2
64	-	-	-	-	-	-	-	75.*	-	-	66.2	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	30.5		2
67	-	-	-	-	-	-	-	-	-	-	32.7	-	-
68	-	-	1.48*	0.96*	1.63*	66.*	-	71.*	-	-	30.4		1
69	-	-	1.66*	1.09*	1.83*	74.*	-	80.*	-	-	34.3	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	27.1		1
72	-	-	-	-	-	-	-	-	-	-	30.4	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	113.*	-	0.06*	0.05*	0.02*	2.*	-	4.*	3.*	-	1.3		1
75	1433.*	-	0.73*	0.78*	0.28*	29.*	-	54.*	34.*	-	16.4	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	1.01*	0.38*	1.00*	47.*	43.*	46.*	-	-	9.3		2
78	-	-	1.15*	0.44*	1.14*	54.*	49.*	53.*	-	-	10.7	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	2.2		1	0.6	39.62		2
53	-	-	-	-	-	2.2	-	-	0.6	40.02	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	0.4*	0.9*	0.2*	-	-	67.1		1	1.1	0.04		1
56	0.4*	1.0*	0.2*	-	-	75.4	-	-	1.2	0.04	-	-
57	6.6*	7.5*	7.5*	-	-	10.9		1	11.8	0.13		1
58	8.9*	10.1*	10.1*	-	-	14.7	-	-	15.9	0.18	-	-
59	-	-	-	-	-	17.3		2	33.6	0.10		2
60	-	-	-	-	-	18.8	-	-	36.4	0.11	-	-
61	-	-	-	-	-	4.2		1	4.1	-	-	-
62	-	-	-	-	-	4.8	-	-	4.7	-	-	-
63	-	-	-	-	-	5.8		2	1.4	0.12		2
64	-	-	-	-	-	6.7	-	-	1.7	0.14	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	23.6*	23.6*	24.2*	-	-	14.0		2	5.4	-	-	-
67	25.3*	25.3*	25.9*	-	-	15.0	-	-	5.8	-	-	-
68	-	-	-	-	-	14.6		1	5.2	0.20		1
69	-	-	-	-	-	16.5	-	-	5.9	0.23	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	20.7*	20.8*	21.3*	-	-	18.8		1	7.2	-	-	-
72	23.3*	23.4*	23.9*	-	-	21.1	-	-	2.5	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	0.9*	1.0*	1.0*	-	-	1.6		1	0.4	-	-	-
75	11.1*	12.3*	12.3*	-	-	20.6	-	-	4.6	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	5.4*	5.8*	5.4*	-	-	30.0		2	3.2	-	-	-
78	6.2*	6.6*	6.1*	-	-	34.3	-	-	3.7	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	0.3Q	0.0Z		1	0.1Q	–	–	–	–	–	–	–	–	–	–	–	–	–
53	0.3Q	0.0Z	–	–	0.1Q	–	–	–	–	–	–	–		–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	0.12		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	0.13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	0.30		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	0.41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	0.78		2	–	–	–	–	8.9	–	–	100.0	–	–	–	–	–	–
60	–	0.85	–	–	–	–	–	–	9.7	–	–	277.7	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	1.59		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	1.82	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	0.21		1	–	–	–	–	–	–	–	5.8	–	–	–	–	–	–
69	–	0.24	–	–	–	–	–	–	–	–	–	6.5	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, MECH EXTD DEHY GRND, (1)	1-11-448	87.4	2.15*	1.40*	2.18*	-	1.77*	1.15*	1.79*
			100.0	2.46*	1.60*	2.50*	-	2.02*	1.32*	2.05*
02			-	-	-	-	-	-	-	-
03	CYNODON DACTYLON, BERMUDAGRASS	1-10-608	91.0	2.32*	1.72*	2.25*	-	1.90*	1.41*	1.85*
04	-AERIAL PART, DEHY, (1)		100.0	2.55*	1.89*	2.48*	-	2.09*	1.55*	2.03*
05		1-10-607	87.4	1.90*	1.46*	2.00*	-	1.56*	1.19*	1.64*
06	-AERIAL PART, DEHY GRND, (1)		100.0	2.18*	1.67*	2.29*	-	1.79*	1.37*	1.88*
07		1-00-703	90.9	2.33*	2.04*	2.08*	-	1.91*	1.60*	1.71*
08	-HAY, S-C, (1)		100.0	2.56*	2.25*	2.29*	-	2.10*	1.84*	1.88*
09		2-00-712	57.4	1.39*	-	1.52*	-	1.14*	-	1.25*
10	-AERIAL PART, FRESH, (2)		100.0	2.43*	-	2.65*	-	1.99*	-	2.17*
11		2-09-530	24.5	0.65*	-	0.65*	-	0.54*	-	0.53*
12	-AERIAL PART, FRESH, 25 TO 31		100.0	2.70*	-	2.65*	-	2.22*	-	2.17*
13	DAYS' GROWTH, CUT 1, (2)	2-09-531	24.5	0.66*	-	0.67*	-	0.54*	-	0.55*
14	-AERIAL PART, FRESH, 25 TO 31		100.0	2.68*	-	2.72*	-	2.20*	-	2.23*
15	DAYS' GROWTH, CUT 2, (2)	2-09-532	28.5	0.80*	-	0.76*	-	0.66*	-	0.63*
16	-AERIAL PART, FRESH, 25 TO 31		100.0	2.82*	-	2.68*	-	2.31*	-	2.20*
17	DAYS' GROWTH, CUT 3, (2)	2-09-533	33.5	0.93*	-	0.90*	-	0.76*	-	0.74*
18	-AERIAL PART, FRESH, 25 TO 31		100.0	2.78*	-	2.69*	-	2.28*	-	2.20*
19	DAYS' GROWTH, CUT 4, (2)	2-09-534	27.0	0.76*	-	0.73*	-	0.62*	-	0.60*
20	-AERIAL PART, FRESH, 25 TO 31		100.0	2.80*	-	2.71*	-	2.30*	-	2.22*
21	DAYS' GROWTH, CUT 5, (2)	2-09-535	22.0	0.60*	-	0.60*	-	0.49*	-	0.49*
22	-AERIAL PART, FRESH, 25 TO 31		100.0	2.73*	-	2.72*	-	2.24*	-	2.23*
23	DAYS' GROWTH, CUT 6, (2)	2-09-536	28.0	0.77*	-	0.76*	-	0.63*	-	0.63*
24	-AERIAL PART, FRESH, 25 TO 31		100.0	2.75*	-	2.73*	-	2.25*	-	2.24*
25	DAYS' GROWTH, CUT 7, (2)	2-09-537	57.1	-	-	-	-	-	-	-
26	-AERIAL PART, FRESH, 25 TO 31		100.0	-	-	-	-	-	-	-
27	DAYS' GROWTH, CUT 8, (2)	2-09-538	20.0	0.56*	-	0.54*	-	0.46*	-	0.45*
28	-AERIAL PART, FRESH, 25 TO 31		100.0	2.81*	-	2.72*	-	2.30*	-	2.23*
29	DAYS' GROWTH, CUT 9, (2)	2-09-539	27.0	0.67*	-	0.68*	-	0.55*	-	0.56*
30	-AERIAL PART, FRESH, 25 TO 31		100.0	2.50*	-	2.53*	-	2.05*	-	2.08*
31	DAYS' GROWTH, CUT 10, (2)	2-09-540	25.0	0.65*	-	0.67*	-	0.54*	-	0.55*
32	-AERIAL PART, FRESH, 25 TO 31		100.0	2.62*	-	2.66*	-	2.15*	-	2.18*
33	DAYS' GROWTH, CUT 11, (2)	2-09-541	28.0	0.72*	-	0.73*	-	0.59*	-	0.59*
34	-AERIAL PART, FRESH, 25 TO 31		100.0	2.56*	-	2.59*	-	2.10*	-	2.12*
35	DAYS' GROWTH, CUT 12, (2)	2-09-542	25.5	0.64*	-	0.66*	-	0.52*	-	0.54*
36	-AERIAL PART, FRESH, 39 TO 45		100.0	2.50*	-	2.60*	-	2.05*	-	2.13*
37	DAYS' GROWTH, CUT 1, (2)	2-09-543	25.5	0.71*	-	0.69*	-	0.58*	-	0.56*
38	-AERIAL PART, FRESH, 39 TO 45		100.0	2.77*	-	2.69*	-	2.27*	-	2.21*
39	DAYS' GROWTH, CUT 2, (2)	2-09-544	40.5	1.04*	-	1.06*	-	0.85*	-	0.87*
40	-AERIAL PART, FRESH, 39 TO 45		100.0	2.56*	-	2.61*	-	2.10*	-	2.14*
41	DAYS' GROWTH, CUT 3, (2)	2-09-545	23.0	0.62*	-	0.62*	-	0.51*	-	0.51*
42	-AERIAL PART, FRESH, 39 TO 45		100.0	2.70*	-	2.69*	-	2.21*	-	2.21*
43	DAYS' GROWTH, CUT 4, (2)	2-09-546	29.5	0.81*	-	0.79*	-	0.66*	-	0.65*
44	-AERIAL PART, FRESH, 39 TO 45		100.0	2.73*	-	2.68*	-	2.24*	-	2.20*
45	DAYS' GROWTH, CUT 5, (2)	2-09-547	29.1	0.72*	-	0.76*	-	0.59*	-	0.62*
46	-AERIAL PART, FRESH, 39 TO 45		100.0	2.46*	-	2.60*	-	2.01*	-	2.13*
47	DAYS' GROWTH, CUT 6, (2)	2-09-548	29.0	0.74*	-	0.76*	-	0.61*	-	0.62*
48	-AERIAL PART, FRESH, 39 TO 45		100.0	2.55*	-	2.62*	-	2.09*	-	2.15*
49	DAYS' GROWTH, CUT 7, (2)	2-09-549	28.0	0.76*	-	0.75*	-	0.62*	-	0.62*
50	-AERIAL PART, FRESH, 53 TO 59		100.0	2.70*	-	2.68*	-	2.22*	-	2.20*
51	DAYS' GROWTH, CUT 1, (2)	2-09-550	36.5	0.93*	-	0.95*	-	0.76*	-	0.78*
52	-AERIAL PART, FRESH, 53 TO 59		100.0	2.55*	-	2.62*	-	2.09*	-	2.14*
53	DAYS' GROWTH, CUT 2, (2)	2-09-551	33.0	0.86*	-	0.06*	-	0.71*	-	0.71*
54	-AERIAL PART, FRESH, 53 TO 59		100.0	2.61*	-	2.61*	-	2.14*	-	2.14*
55	DAYS' GROWTH, CUT 3, (2)	2-09-552	27.0	0.72*	-	0.73*	-	0.59*	-	0.60*
56	-AERIAL PART, FRESH, 53 TO 59		100.0	2.68*	-	2.69*	-	2.20*	-	2.21*
57	DAYS' GROWTH, CUT 4, (2)	2-09-553	23.0	0.61*	-	0.61*	-	0.50*	-	0.50*
58	-AERIAL PART, FRESH, 53 TO 59		100.0	2.64*	-	2.63*	-	2.16*	-	2.16*
59	DAYS' GROWTH, CUT 5, (2)	2-09-554	31.0	0.79*	-	0.81*	-	0.64*	-	0.66*
60	-AERIAL PART, FRESH, 53 TO 59		100.0	2.53*	-	2.60*	-	2.08*	-	2.13*
61	DAYS' GROWTH, CUT 6, (2)	2-09-555	32.0	0.76*	-	0.83*	-	0.63*	-	0.68*
62	-AERIAL PART, FRESH, 53 TO 59		100.0	2.38*	-	2.59*	-	1.95*	-	2.13*
63	DAYS' GROWTH, CUT 7, (2)	2-09-556	37.0	0.94*	-	0.96*	-	0.77*	-	0.78*
64	-AERIAL PART, FRESH, 144 TO		100.0	2.55*	-	2.58*	-	2.09*	-	2.12*
65	150 DAYS' GROWTH, (2)	2-00-707	30.8	0.82*	-	0.82*	-	0.67*	-	0.67*
66	-AERIAL PART, FRESH, EARLY BLOOM, (2)		100.0	2.66*	-	2.66*	-	2.18*	-	2.18*
67		2-08-354	35.6	0.90*	-	0.92*	-	0.74*	-	0.75*
68	-AERIAL PART, FRESH, MIDBLOOM, (2)		100.0	2.53*	-	2.58*	-	2.07*	-	2.11*
69		2-00-708	46.9	1.28*	-	1.17*	-	1.05*	-	0.96*
70	-AERIAL PART, FRESH, FULL BLOOM, (2)		100.0	2.73*	-	2.49*	-	2.24*	-	2.05*
71		2-10-409	27.9	0.65*	-	0.68*	-	0.54*	-	0.55*
72	-AERIAL PART, FRESH, LATE BLOOM, CUT 1, (2)		100.0	2.34*	-	2.42*	-	1.92*	-	1.99*
73		2-00-711	-	-	-	-	-	-	-	-
74	-AERIAL PART, FRESH, RIPE SEED, (2)		100.0	-	-	2.73*	-	-	-	2.24*
75		2-10-389	34.5	0.86*	-	0.88*	-	0.70*	-	0.72*
76	-AERIAL PART, FRESH, CUT 2, (2)		100.0	2.49*	-	2.55*	-	2.04*	-	2.09*
77										

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	1.04*	0.45*	1.06*	49.*	34.*	49.*	-	-	11.4		2
02	-	-	1.19*	0.51*	1.21*	56.*	39.*	57.*	-	-	13.1	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	1.12*	0.53*	1.16*	53.*	43.*	51.*	-	-	12.3		2
05	-	-	1.23*	0.58*	1.28*	58.*	47.*	56.*	-	-	13.5	-	-
06	-	-	0.92*	0.22*	0.86*	43.*	36.*	45.*	-	-	11.5		2
07	-	-	1.06*	0.25*	0.99*	49.*	41.*	52.*	-	-	13.2	-	-
08	-	-	1.13*	0.53*	1.17*	53.*	52.*	47.*	-	-	5.2		1
09	-	-	1.24*	0.59*	1.28*	58.*	57.*	52.*	-	-	5.7	-	-
10	-	-	0.67*	0.27*	0.68*	32.*	-	34.*	-	-	5.2	21	4
11	-	-	1.17*	0.48*	1.18*	55.*	-	60.*	-	-	9.1	-	-
12	-	-	0.32*	0.17*	0.34*	15.*	-	15.*	-	-	2.5		2
13	-	-	1.32*	0.70*	1.39*	61.*	-	60.*	-	-	10.2	-	-
14	-	-	0.32*	0.17*	0.34*	15.*	-	15.*	-	-	3.6		2
15	-	-	1.30*	0.69*	1.38*	61.*	-	62.*	-	-	14.7	-	-
16	-	-	0.39*	0.23*	0.42*	18.*	-	17.*	-	-	3.3		2
17	-	-	1.38*	0.79*	1.49*	64.*	-	61.*	-	-	11.8	-	-
18	-	-	0.45*	0.25*	0.49*	21.*	-	20.*	-	-	3.8		2
19	-	-	1.36*	0.76*	1.45*	63.*	-	61.*	-	-	11.4	-	-
20	-	-	0.37*	0.21*	0.40*	17.*	-	17.*	-	-	3.6		1
21	-	-	1.37*	0.78*	1.47*	64.*	-	61.*	-	-	13.2	-	-
22	-	-	0.29*	0.16*	0.31*	14.*	-	14.*	-	-	3.1		1
23	-	-	1.33*	0.72*	1.42*	62.*	-	62.*	-	-	14.3	-	-
24	-	-	0.38*	0.21*	0.40*	17.*	-	17.*	-	-	3.9		1
25	-	-	1.34*	0.74*	1.43*	62.*	-	62.*	-	-	13.8	-	-
26	-	-	-	-	-	-	-	-	-	-	17.8		2
27	-	-	-	-	-	-	-	-	-	-	31.2	-	-
28	-	-	0.28*	0.16*	0.30*	13.*	-	12.*	-	-	2.7		1
29	-	-	1.38*	0.79*	1.48*	64.*	-	62.*	-	-	13.6	-	-
30	-	-	0.33*	0.15*	0.33*	15.*	-	16.*	-	-	3.5		1
31	-	-	1.21*	0.54*	1.24*	57.*	-	57.*	-	-	12.9	-	-
32	-	-	0.32*	0.16*	0.33*	15.*	-	15.*	-	-	3.4		1
33	-	-	1.27*	0.64*	1.33*	59.*	-	60.*	-	-	13.6	-	-
34	-	-	0.35*	0.17*	0.36*	16.*	-	16.*	-	-	3.6		1
35	-	-	1.24*	0.59*	1.28*	58.*	-	59.*	-	-	12.9	-	-
36	-	-	0.31*	0.14*	0.32*	14.*	-	15.*	-	-	3.0		2
37	-	-	1.21*	0.54*	1.24*	57.*	-	59.*	-	-	11.6	-	-
38	-	-	0.34*	0.19*	0.37*	16.*	-	16.*	-	-	3.1		2
39	-	-	1.35*	0.75*	1.45*	63.*	-	61.*	-	-	12.0	-	-
40	-	-	0.50*	0.24*	0.52*	23.*	-	24.*	-	-	4.3		2
41	-	-	1.24*	0.59*	1.28*	58.*	-	59.*	-	-	10.5	-	-
42	-	-	0.30*	0.16*	0.32*	14.*	-	14.*	-	-	2.7		1
43	-	-	1.31*	0.70*	1.39*	61.*	-	61.*	-	-	11.5	-	-
44	-	-	0.39*	0.21*	0.42*	18.*	-	18.*	-	-	3.4		2
45	-	-	1.33*	0.73*	1.42*	62.*	-	61.*	-	-	11.5	-	-
46	-	-	0.35*	0.15*	0.35*	16.*	-	17.*	-	-	3.1		1
47	-	-	1.19*	0.50*	1.20*	56.*	-	59.*	-	-	10.5	-	-
48	-	-	0.36*	0.17*	0.37*	17.*	-	17.*	-	-	3.1		1
49	-	-	1.24*	0.58*	1.28*	58.*	-	59.*	-	-	10.7	-	-
50	-	-	0.37*	0.20*	0.39*	17.*	-	17.*	-	-	3.1		2
51	-	-	1.32*	0.70*	1.40*	61.*	-	61.*	-	-	10.9	-	-
52	-	-	0.45*	0.21*	0.47*	21.*	-	22.*	-	-	3.7		2
53	-	-	1.23*	0.58*	1.28*	58.*	-	59.*	-	-	10.2	-	-
54	-	-	0.42*	0.21*	0.44*	20.*	-	20.*	-	-	3.1		1
55	-	-	1.27*	0.63*	1.32*	59.*	-	59.*	-	-	9.4	-	-
56	-	-	0.35*	0.18*	0.37*	16.*	-	16.*	-	-	3.5		1
57	-	-	1.30*	0.68*	1.38*	61.*	-	61.*	-	-	13.0	-	-
58	-	-	0.29*	0.15*	0.31*	14.*	-	14.*	-	-	2.1		1
59	-	-	1.28*	0.65*	1.35*	60.*	-	60.*	-	-	9.1	-	-
60	-	-	0.38*	0.10*	0.39*	18.*	-	18.*	-	-	3.0		1
61	-	-	1.23*	0.57*	1.26*	57.*	-	59.*	-	-	9.6	-	-
62	-	-	0.37*	0.14*	0.37*	17.*	-	19.*	-	-	3.4		1
63	-	-	1.15*	0.44*	1.15*	54.*	-	59.*	-	-	10.7	-	-
64	-	-	0.46*	0.22*	0.47*	21.*	-	22.*	-	-	2.4		1
65	-	-	1.24*	0.58*	1.28*	58.*	-	59.*	-	-	6.5	-	-
66	-	-	0.40*	0.21*	0.42*	19.*	-	19.*	-	-	5.4		2
67	-	-	1.29*	0.67*	1.36*	60.*	-	60.*	-	-	17.5	-	-
68	-	-	0.44*	0.20*	0.45*	20.*	-	21.*	-	-	3.1		2
69	-	-	1.22*	0.56*	1.26*	57.*	-	58.*	-	-	8.7	-	-
70	-	-	0.62*	0.34*	0.66*	29.*	-	27.*	-	-	3.4		1
71	-	-	1.33*	0.72*	1.41*	62.*	-	57.*	-	-	7.3	-	-
72	-	-	0.32*	0.11*	0.31*	15.*	-	15.*	-	-	1.7		1
73	-	-	1.13*	0.41*	1.11*	53.*	-	55.*	-	-	6.2	-	-
74	-	-	-	-	-	-	-	-	-	-	-		3
75	-	-	-	-	-	-	-	62.*	-	-	17.0	-	-
76	-	-	0.42*	0.18*	0.42*	19.*	-	20.*	-	-	2.1	15	4
77	-	-	1.20*	0.53*	1.23*	56.*	-	58.*	-	-	6.2	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	7.2*	7.6*	7.3*	-	-	21.6		2	5.3	0.02		2
02	8.3*	8.7*	8.3*	-	-	24.7	-	-	6.1	0.03	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	7.9*	8.2*	7.9*	-	-	25.3		2	3.6	-	-	-
05	8.6*	9.0*	8.7*	-	-	27.8	-	-	4.0	-	-	-
06	7.3*	7.6*	7.4*	-	-	28.0		2	4.6	0.65		2
07	8.4*	8.7*	8.4*	-	-	32.0	-	-	5.3	0.75	-	-
08	1.7*	2.1*	2.6	-	-	33.5		1	4.1	0.31		1
09	1.9*	2.4*	2.9	-	-	36.9	-	-	4.5	0.41	-	-
10	3.2*	3.0*	3.2*	-	-	18.4	4	4	1.4			2
11	5.6*	5.3*	5.5*	-	-	32.0	-	-	2.5		-	-
12	1.6*	1.5*	1.6*	-	-	7.6		2	0.9	-	-	-
13	6.5*	6.2*	6.5*	-	-	30.9	-	-	3.5	-	-	-
14	2.5*	2.5*	2.6*	-	-	7.2		2	0.8	-	-	-
15	10.4*	10.0*	10.7*	-	-	29.4	-	-	3.2	-	-	-
16	2.2*	2.1*	2.3*	-	-	8.3		2	1.1	-	-	-
17	7.9*	7.5*	7.9*	-	-	29.0	-	-	3.9	-	-	-
18	2.5*	2.4*	2.5*	-	-	9.3		2	1.1	-	-	-
19	7.6*	7.2*	7.6*	-	-	27.6	-	-	3.2	-	-	-
20	2.5*	2.4*	2.5*	-	-	7.8		1	1.1	-	-	-
21	9.1*	8.8*	9.3*	-	-	29.0	-	-	4.2	-	-	-
22	2.2*	2.1*	2.3*	-	-	6.3		1	0.7	-	-	-
23	10.0*	9.7*	10.3*	-	-	28.5	-	-	3.0	-	-	-
24	2.7*	2.6*	2.8*	-	-	7.9		1	0.8	-	-	-
25	9.6*	9.2*	9.9*	-	-	28.3	-	-	2.8	-	-	-
26	14.0*	13.7*	14.9*	-	-	12.1		2	2.1	-	-	-
27	24.5*	24.1*	26.1*	-	-	21.1	-	-	3.6	-	-	-
28	1.9*	1.8*	1.9*	-	-	5.7		1	0.9	-	-	-
29	9.4*	9.0*	9.6*	-	-	28.7	-	-	4.3	-	-	-
30	2.4*	2.3*	2.4*	-	-	8.5		1	0.5	-	-	-
31	8.8*	8.4*	9.0*	-	-	31.4	-	-	2.0	-	-	-
32	2.4*	2.3*	2.4*	-	-	7.2		1	0.6	-	-	-
33	9.5*	9.1*	9.7*	-	-	28.7	-	-	2.5	-	-	-
34	2.5*	2.4*	2.5*	-	-	9.0		1	0.5	-	-	-
35	8.8*	8.4*	9.0*	-	-	32.1	-	-	1.9	-	-	-
36	2.0*	1.9*	2.0*	-	-	7.7		2	0.7	-	-	-
37	7.7*	7.4*	7.8*	-	-	30.3	-	-	2.6	-	-	-
38	2.1*	2.0*	2.1*	-	-	7.3		2	0.9	-	-	-
39	8.1*	7.7*	8.2*	-	-	28.6	-	-	3.4	-	-	-
40	2.8*	2.6*	2.7*	-	-	11.7		2	1.1	-	-	-
41	6.8*	6.4*	6.8*	-	-	28.9	-	-	2.8	-	-	-
42	1.8*	1.7*	1.8*	-	-	6.4		1	0.5	-	-	-
43	7.7*	7.3*	7.7*	-	-	28.0	-	-	2.3	-	-	-
44	2.3*	2.2*	2.3*	-	-	8.6		2	1.0	-	-	-
45	7.7*	7.3*	7.7*	-	-	29.2	-	-	3.4	-	-	-
46	2.0*	1.9*	2.0*	-	-	9.6		1	1.0	-	-	-
47	6.9*	6.5*	6.8*	-	-	33.0	-	-	3.5	-	-	-
48	2.0*	1.9*	2.0*	-	-	8.8		1	0.7	-	-	-
49	7.0*	6.6*	6.9*	-	-	30.3	-	-	2.3	-	-	-
50	2.0*	1.9*	2.0*	-	-	8.3		2	0.8	-	-	-
51	7.2*	6.8*	7.2*	-	-	29.6	-	-	2.9	-	-	-
52	2.4*	2.2*	2.4*	-	-	11.0		2	0.9	-	-	-
53	6.5*	6.2*	6.5*	-	-	30.1	-	-	2.6	-	-	-
54	2.0*	1.8*	1.9*	-	-	9.6		1	1.0	-	-	-
55	5.9*	5.5*	5.8*	-	-	29.1	-	-	3.1	-	-	-
56	2.4*	2.3*	2.5*	-	-	7.7		1	0.7	-	-	-
57	9.0*	8.6*	9.1*	-	-	28.7	-	-	2.7	-	-	-
58	1.3*	1.2*	1.3*	-	-	6.6		1	0.6	-	-	-
59	5.6*	5.3*	5.5*	-	-	28.7	-	-	2.8	-	-	-
60	1.9*	1.8*	1.8*	-	-	9.4		1	0.6	-	-	-
61	6.0*	5.6*	5.9*	-	-	30.2	-	-	2.1	-	-	-
62	2.2*	2.1*	2.2*	-	-	11.0		1	1.0	-	-	-
63	7.0*	6.6*	6.9*	-	-	34.3	-	-	3.2	-	-	-
64	1.3*	1.1*	1.1*	-	-	11.3		1	1.1	-	-	-
65	3.4*	3.1*	3.1*	-	-	30.4	-	-	2.8	-	-	-
66	3.9*	3.8*	4.1*	-	-	8.4		2	0.6	-	-	-
67	12.8*	12.4*	13.3*	-	-	27.3	-	-	1.9	-	-	-
68	1.9*	1.8*	1.8*	-	-	10.7		2	0.6	-	-	-
69	5.3*	5.0*	5.1*	-	-	30.1	-	-	1.7	-	-	-
70	1.9*	1.7*	1.8*	-	-	12.9		1	0.2	-	-	-
71	4.1*	3.7*	3.8*	-	-	27.6	-	-	0.5	-	-	-
72	0.9*	0.8*	0.8*	-	-	8.9		1	0.5	0.09		1
73	3.2*	2.8*	2.8*	-	-	32.0	-	-	1.7	0.33	-	-
74	-	-	-	-	-	-	21	4	-	-	8	4
75	12.3*	12.0*	12.8*	-	-	34.0	-	-	4.3	0.84	-	-
76	1.1*	1.0*	1.0*	-	-	9.8	5	4	0.7	0.12	15	4
77	3.2*	2.8*	2.8*	-	-	28.3	-	-	2.0	0.35	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	0.10		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	0.11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	0.20		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	0.23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	0.19		1	1.43	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	0.21	–	–	1.57	–	–	–	–	–	–	–	–	–	–	–	–	–
10	0.14			2	1.26	–	–	–	–	–	–	–	–	–	–	–	–	–
11	0.24		–	–	2.20	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	0.05		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	0.17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	13	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	0.15	0.94	–	–	1.01	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	0.06	16	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	0.19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, CUT 3, (2)	2-10-604	27.7	0.69*	-	0.69*	-	0.56*	-	0.56*
02			100.0	2.48*	-	2.48*	-	2.03*	-	2.04*
03	-AERIAL PART, FRESH	2-10-391	16.6	0.39*	-	0.41*	-	0.32*	-	0.33*
04	FERTILIZED, LATE BLOOM, CUT 1, (2)		100.0	2.36*	-	2.46*	-	1.93*	-	2.01*
05	-AERIAL PART, FRESH FERTILIZED, CUT 2, (2)	2-10-390	29.1	0.70*	-	0.73*	-	0.58*	-	0.60*
06			100.0	2.41*	-	2.52*	-	1.98*	-	2.07*
07	CYNODON DACTYLON. BERMUDAGRASS, COASTAL		-	-	-	-	-	-	-	-
08	-AERIAL PART, DEHY, (1)	1-10-610	90.0	2.24*	1.80*	2.14*	-	1.84*	1.48*	1.76*
09			100.0	2.49*	2.00*	2.38*	-	2.04*	1.64*	1.95*
10	-AERIAL PART, DEHY GROUND, (1)	1-10-609	89.8	2.07*	1.71*	2.07*	-	1.69*	1.40*	1.70*
11			100.0	2.30*	1.91*	2.31*	-	1.89*	1.56*	1.89*
12	-HAY, S-C, (1)	1-00-716	91.0	0.57	1.57*	0.57	-	0.47*	1.29*	0.47*
13			100.0	0.63	1.72*	0.63	-	0.51*	1.41*	0.51*
14	-AERIAL PART, FRESH, (2)	2-00-719	20.9	0.54*	-	0.55*	-	0.44*	-	0.45*
15			100.0	2.57*	-	2.62*	-	2.11*	-	2.15*
16	-AERIAL PART, FRESH,	2-10-584	32.0	0.82*	-	0.81*	-	0.67*	-	0.66*
17	11 TO 17 DAYS' GROWTH, CUT 1, (2)		100.0	2.57*	-	2.53*	-	2.11*	-	2.07*
18	-AERIAL PART, FRESH,	2-10-585	30.0	-	-	0.75*	-	-	-	0.62*
19	11 TO 17 DAYS' GROWTH, CUT 2, (2)		100.0	-	-	2.51*	-	-	-	2.06*
20	-AERIAL PART, FRESH,	2-10-586	20.0	0.52*	-	0.54*	-	0.43*	-	0.44*
21	11 TO 17 DAYS' GROWTH, CUT 3, (2)		100.0	2.62*	-	2.69*	-	2.15*	-	2.20*
22	-AERIAL PART, FRESH,	2-10-587	30.5	0.82*	-	0.78*	-	0.67*	-	0.64*
23	11 TO 17 DAYS' GROWTH, CUT 4, (2)		100.0	2.67*	-	2.55*	-	2.19*	-	2.09*
24	-AERIAL PART, FRESH,	2-10-596	28.0	0.67*	-	0.70*	-	0.55*	-	0.58*
25	11 TO 17 DAYS' GROWTH, CUT 6, (2)		100.0	2.38*	-	2.51*	-	1.95*	-	2.06*
26	-AERIAL PART, FRESH,	2-10-517	30.5	0.71*	-	0.73*	-	0.58*	-	0.60*
27	11 TO 17 DAYS' GROWTH, CUT 7, (2)		100.0	2.31*	-	2.39*	-	1.90*	-	1.96*
28	-AERIAL PART, FRESH,	2-10-592	36.0	0.86*	-	0.88*	-	0.70*	-	0.72*
29	11 TO 17 DAYS' GROWTH, CUT 8, (2)		100.0	2.38*	-	2.46*	-	1.95*	-	2.01*
30	-AERIAL PART, FRESH,	2-10-588	28.8	0.79*	-	0.74*	-	0.65*	-	0.61*
31	11 TO 17 DAYS' GROWTH, CUT 12, (2)		100.0	2.76*	-	2.57*	-	2.26*	-	2.11*
32	-AERIAL PART, FRESH,	2-10-597	35.0	0.85*	-	0.86*	-	0.69*	-	0.71*
33	11 TO 17 DAYS' GROWTH, CUT 13, (2)		100.0	2.42*	-	2.47*	-	1.98*	-	2.02*
34	-AERIAL PART, FRESH,	2-10-599	35.0	0.81*	-	0.85*	-	0.66*	-	0.70*
35	11 TO 17 DAYS' GROWTH, CUT 14, (2)		100.0	2.31*	-	2.42*	-	1.90*	-	1.99*
36	-AERIAL PART, FRESH,	2-10-520	30.0	0.74*	-	0.77*	-	0.61*	-	0.63*
37	11 TO 17 DAYS' GROWTH, CUT 15, (2)		100.0	2.48*	-	2.55*	-	2.03*	-	2.10*
38	-AERIAL PART, FRESH,	2-10-595	32.5	0.82*	-	0.82*	-	0.67*	-	0.68*
39	11 TO 17 DAYS' GROWTH, CUT 16, (2)		100.0	2.51*	-	2.53*	-	2.06*	-	2.08*
40	-AERIAL PART, FRESH,	2-10-591	34.5	0.89*	-	0.87*	-	0.73*	-	0.71*
41	11 TO 17 DAYS' GROWTH, CUT 18, (2)		100.0	2.57*	-	2.52*	-	2.10*	-	2.07*
42	-AERIAL PART, FRESH,	2-10-598	33.0	0.82*	-	0.82*	-	0.67*	-	0.67*
43	11 TO 17 DAYS' GROWTH, CUT 19, (2)		100.0	2.48*	-	2.47*	-	2.04*	-	2.03*
44	-AERIAL PART, FRESH,	2-10-601	30.0	0.83*	-	0.82*	-	0.68*	-	0.67*
45	11 TO 17 DAYS' GROWTH, CUT 20, (2)		100.0	2.76*	-	2.73*	-	2.26*	-	2.23*
46	-AERIAL PART, FRESH,	2-10-594	28.5	0.71*	-	0.72*	-	0.58*	-	0.59*
47	11 TO 17 DAYS' GROWTH, CUT 21, (2)		100.0	2.49*	-	2.52*	-	2.04*	-	2.07*
48	-AERIAL PART, FRESH,	2-10-590	27.5	0.70*	-	0.71*	-	0.58*	-	0.58*
49	11 TO 17 DAYS' GROWTH, CUT 23, (2)		100.0	2.56*	-	2.58*	-	2.10*	-	2.12*
50	-AERIAL PART, FRESH,	2-10-552	25.0	0.63*	-	0.62*	-	0.51*	-	0.51*
51	11 TO 17 DAYS' GROWTH, CUT 24, (2)		100.0	2.50*	-	2.48*	-	2.05*	-	2.04*
52	-AERIAL PART, FRESH,	2-10-589	27.5	0.67*	-	0.66*	-	0.55*	-	0.54*
53	11 TO 17 DAYS' GROWTH, CUT 25, (2)		100.0	2.43*	-	2.39*	-	2.00*	-	1.96*
54	-AERIAL PART, FRESH,	2-10-593	30.5	0.79*	-	0.74*	-	0.65*	-	0.61*
55	11 TO 17 DAYS' GROWTH, CUT 26, (2)		100.0	2.58*	-	2.42*	-	2.12*	-	1.99*
56	-AERIAL PART, FRESH,	2-10-600	31.5	0.83*	-	0.75*	-	0.68*	-	0.62*
57	11 TO 17 DAYS' GROWTH, CUT 27, (2)		100.0	2.64*	-	2.39*	-	2.16*	-	1.96*
58	-AERIAL PART, FRESH,	2-10-603	27.5	0.67*	-	0.69*	-	0.55*	-	0.57*
59	18 TO 24 DAYS' GROWTH, CUT 5, (2)		100.0	2.44*	-	2.53*	-	2.00*	-	2.07*
60	-AERIAL PART, FRESH,	2-10-602	32.5	0.86*	-	0.84*	-	0.71*	-	0.69*
61	18 TO 24 DAYS' GROWTH, CUT 11, (2)		100.0	2.66*	-	2.58*	-	2.18*	-	2.12*
62	-AERIAL PART, FRESH,	2-10-570	35.0	0.90*	-	0.89*	-	0.74*	-	0.73*
63	18 TO 24 DAYS' GROWTH, CUT 17, (2)		100.0	2.58*	-	2.54*	-	2.11*	-	2.08*
64	-AERIAL PART, FRESH,	2-10-569	25.5	0.64*	-	0.64*	-	0.53*	-	0.53*
65	18 TO 24 DAYS' GROWTH, CUT 22, (2)		100.0	2.51*	-	2.51*	-	2.06*	-	2.06*
66	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-179	31.4	1.05*	-	0.92*	-	0.86*	-	0.76*
67			100.0	3.33*	-	2.94*	-	2.73*	-	2.41*
68	CYNODON PLECTOSTACHYUM. STARGRASS		-	-	-	-	-	-	-	-
69	-AERIAL PART, DEHY, (1)	1-10-605	95.0	-	-	2.11*	-	-	-	1.73*
70			100.0	-	-	2.22*	-	-	-	1.82*
71	-HAY, S-C, (1)	1-10-606	90.1	1.93*	1.44*	1.93*	-	1.58*	1.18*	1.59*
72			100.0	2.14*	1.60*	2.15*	-	1.76*	1.31*	1.76*
73	-AERIAL PART, FRESH, (2)	2-09-730	33.8	0.83*	-	0.89*	-	0.68*	-	0.73*
74			100.0	2.45*	-	2.64*	-	2.01*	-	2.17*
75	-AERIAL PART, FRESH, 25	2-10-455	29.4	-	-	-	-	-	-	-
76	TO 31 DAYS' GROWTH, CUT 5, (2)		100.0	-	-	-	-	-	-	-
77	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-231	21.7	0.57*	-	0.57*	-	0.47*	-	0.47*
78			100.0	2.64*	-	2.64*	-	2.17*	-	2.17*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.33*	0.15*	0.34*	16.*	-	16.*	-	-	2.1	15	8
02	-	-	1.20*	0.52*	1.22*	56.*	-	56.*	-	-	7.6	-	-
03	-	-	0.19*	0.07*	0.19*	9.*	-	9.*	-	-	1.1	5	7
04	-	-	1.14*	0.42*	1.13*	54.*	-	56.*	-	-	6.5	-	-
05	-	-	0.34*	0.14*	0.34*	16.*	-	17.*	-	-	1.8	23	12
06	-	-	1.17*	0.47*	1.17*	55.*	-	57.*	-	-	6.3	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	1.08*	0.48*	1.11*	51.*	45.*	49.*	-	-	8.1		1
09	-	-	1.20*	0.53*	1.23*	57.*	50.*	54.*	-	-	9.0	-	-
10	-	-	1.00*	0.33*	0.97*	47.*	43.*	47.*	-	-	10.2		1
11	-	-	1.11*	0.37*	1.08*	52.*	48.*	52.*	-	-	11.4	-	-
12	-	-	0.50*	1.66*	0.20*	50.	39.*	51.	-	-	9.0	26	26
13	-	-	0.55*	1.83*	0.22*	55.	43.*	56.	-	-	9.8	-	-
14	-	-	0.26*	0.13*	0.27*	12.*	-	12.*	-	-	2.5		1
15	-	-	1.25*	0.60*	1.29*	58.*	-	59.*	-	-	11.9	-	-
16	-	-	0.40*	0.19*	0.41*	19.*	-	18.*	-	-	4.1		1
17	-	-	1.25*	0.60*	1.29*	58.*	-	57.*	-	-	12.9	-	-
18	-	-	-	-	-	-	-	17.*	-	-	3.8		1
19	-	-	-	-	-	-	-	57.*	-	-	12.6	-	-
20	-	-	0.25*	0.13*	0.27*	12.*	-	12.*	-	-	3.8		1
21	-	-	1.27*	0.64*	1.33*	59.*	-	61.*	-	-	19.2	-	-
22	-	-	0.40*	0.21*	0.42*	19.*	-	18.*	-	-	4.1		1
23	-	-	1.30*	0.68*	1.37*	61.*	-	58.*	-	-	13.5	-	-
24	-	-	0.32*	0.12*	0.32*	15.*	-	16.*	-	-	2.9		1
25	-	-	1.15*	0.44*	1.14*	54.*	-	57.*	-	-	10.3	-	-
26	-	-	0.34*	0.12*	0.33*	16.*	-	17.*	-	-	2.3		1
27	-	-	1.12*	0.38*	1.09*	52.*	-	54.*	-	-	7.6	-	-
28	-	-	0.41*	0.16*	0.41*	19.*	-	20.*	-	-	2.3		1
29	-	-	1.15*	0.44*	1.14*	54.*	-	56.*	-	-	6.3	-	-
30	-	-	0.39*	0.21*	0.41*	18.*	-	17.*	-	-	4.6		2
31	-	-	1.35*	0.74*	1.44*	63.*	-	58.*	-	-	16.0	-	-
32	-	-	0.41*	0.16*	0.41*	19.*	-	20.*	-	-	3.0		1
33	-	-	1.17*	0.47*	1.17*	55.*	-	56.*	-	-	8.7	-	-
34	-	-	0.39*	0.13*	0.38*	18.*	-	19.*	-	-	2.6		1
35	-	-	1.12*	0.38*	1.09*	52.*	-	55.*	-	-	7.3	-	-
36	-	-	0.36*	0.16*	0.37*	17.*	-	17.*	-	-	2.5		1
37	-	-	1.20*	0.52*	1.22*	56.*	-	58.*	-	-	8.4	-	-
38	-	-	0.39*	0.18*	0.40*	19.*	-	19.*	-	-	3.0		1
39	-	-	1.21*	0.55*	1.25*	57.*	-	57.*	-	-	9.3	-	-
40	-	-	0.43*	0.21*	0.44*	20.*	-	20.*	-	-	3.9		1
41	-	-	1.24*	0.59*	1.29*	58.*	-	57.*	-	-	11.4	-	-
42	-	-	0.40*	0.17*	0.40*	19.*	-	19.*	-	-	2.9		1
43	-	-	1.20*	0.53*	1.22*	56.*	-	56.*	-	-	8.8	-	-
44	-	-	0.40*	0.22*	0.43*	19.*	-	19.*	-	-	4.7		1
45	-	-	1.35*	0.74*	1.44*	63.*	-	62.*	-	-	15.8	-	-
46	-	-	0.34*	0.15*	0.35*	16.*	-	16.*	-	-	2.9		1
47	-	-	1.21*	0.53*	1.23*	57.*	-	57.*	-	-	10.3	-	-
48	-	-	0.34*	0.16*	0.35*	16.*	-	16.*	-	-	2.5		1
49	-	-	1.24*	0.59*	1.29*	58.*	-	59.*	-	-	9.0	-	-
50	-	-	0.30*	0.14*	0.31*	14.*	-	14.*	-	-	2.5		1
51	-	-	1.21*	0.54*	1.24*	57.*	-	56.*	-	-	9.9	-	-
52	-	-	0.32*	0.13*	0.33*	15.*	-	15.*	-	-	2.5		1
53	-	-	1.18*	0.48*	1.19*	55.*	-	54.*	-	-	9.0	-	-
54	-	-	0.38*	0.18*	0.40*	18.*	-	17.*	-	-	3.3		1
55	-	-	1.25*	0.61*	1.30*	59.*	-	55.*	-	-	10.8	-	-
56	-	-	0.40*	0.21*	0.42*	19.*	-	17.*	-	-	3.3		1
57	-	-	1.20*	0.65*	1.34*	60.*	-	54.*	-	-	10.3	-	-
58	-	-	0.32*	0.13*	0.33*	15.*	-	16.*	-	-	3.1		1
59	-	-	1.18*	0.49*	1.19*	55.*	-	57.*	-	-	11.3	-	-
60	-	-	0.42*	0.22*	0.44*	20.*	-	19.*	-	-	4.9		1
61	-	-	1.29*	0.67*	1.36*	60.*	-	59.*	-	-	15.1	-	-
62	-	-	0.44*	0.21*	0.45*	20.*	-	20.*	-	-	4.6		1
63	-	-	1.25*	0.60*	1.30*	58.*	-	58.*	-	-	13.0	-	-
64	-	-	0.31*	0.14*	0.32*	15.*	-	15.*	-	-	2.9		1
65	-	-	1.22*	0.55*	1.25*	57.*	-	57.*	-	-	11.5	-	-
66	-	-	0.54*	0.35*	0.59*	24.*	-	21.*	-	-	4.1		1
67	-	-	1.71*	1.13*	1.89*	76.*	-	67.*	-	-	13.7	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	48.*	-	-	13.4		1
70	-	-	-	-	-	-	-	50.*	-	-	14.1	-	-
71	-	-	0.94*	0.20*	0.86*	44.*	35.*	44.*	-	-	5.5		1
72	-	-	1.04*	0.22*	0.96*	49.*	39.*	49.*	-	-	6.1	-	-
73	-	-	0.40*	0.17*	0.40*	19.*	-	20.*	-	-	4.5	42	10
74	-	-	1.18*	0.49*	1.19*	55.*	-	60.*	-	-	13.3	-	-
75	-	-	-	-	-	-	-	-	-	-	2.6		1
76	-	-	-	-	-	-	-	-	-	-	8.8	-	-
77	-	-	0.28*	0.14*	0.29*	13.*	-	13.*	-	-	3.5		1
78	-	-	1.28*	0.66*	1.35*	60.*	-	60.*	-	-	15.9	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.2*	1.1*	1.1*	-	-	7.9	11	8	0.4	0.09	11	8
02	4.4*	4.0*	4.1*	-	-	28.7	-	-	1.6	0.34	-	-
03	0.6*	0.5*	0.5*	-	-	5.4	3	7	0.3	0.06	7	7
04	3.4*	3.0*	3.0*	-	-	32.6	-	-	1.7	0.34	-	-
05	0.9*	0.8*	0.8*	-	-	8.9	5	12	0.6	0.11	29	12
06	3.2*	2.9*	2.8*	-	-	30.4	-	-	2.0	0.39	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	4.3*	4.7*	4.2*	-	-	26.4		1	3.0	-	-	-
09	4.7*	5.2*	4.6*	-	-	29.3	-	-	3.3	-	-	-
10	6.1*	6.4*	6.1*	-	-	29.0		1	4.4	0.46		1
11	6.8*	7.2*	6.8*	-	-	32.3	-	-	4.9	0.51	-	-
12	4.9	5.4*	5.2	-	-	29.6	10	26	1.5	0.31	30	12
13	5.4	5.9*	5.7	-	-	32.6	-	-	1.6	0.34	-	-
14	1.7*	1.6*	1.8	-	-	7.0		1	0.3	0.07		1
15	8.0*	7.7*	8.7	-	-	33.5	-	-	1.5	0.31	-	-
16	2.8*	2.7*	2.9*	-	-	11.4		1	0.5	-	-	-
17	8.8*	8.5*	9.0*	-	-	35.6	-	-	1.6	-	-	-
18	2.6*	2.5*	2.6*	-	-	12.5		1	0.6	-	-	-
19	8.6*	8.2*	8.8*	-	-	41.7	-	-	1.9	-	-	-
20	2.8*	2.8*	3.0*	-	-	6.4		1	0.5	-	-	-
21	14.2*	13.8*	14.9*	-	-	32.0	-	-	2.5	-	-	-
22	2.9*	2.7*	2.9*	-	-	10.1		1	0.4	-	-	-
23	9.4*	9.0*	9.6*	-	-	33.0	-	-	1.2	-	-	-
24	1.9*	1.8*	1.8*	-	-	9.9		1	0.6	-	-	-
25	6.6*	6.3*	6.6*	-	-	35.3	-	-	2.0	-	-	-
26	1.3*	1.2*	1.2*	-	-	10.9		1	0.5	-	-	-
27	4.3*	4.0*	4.1*	-	-	35.9	-	-	1.7	-	-	-
28	1.2*	1.0*	1.0*	-	-	11.8		1	0.5	-	-	-
29	3.2*	2.9*	2.9*	-	-	32.7	-	-	1.5	-	-	-
30	3.3*	3.2*	3.4*	-	-	10.7		1	0.4	0.09		1
31	11.5*	11.2*	11.9*	-	-	37.0	-	-	1.4	0.31	-	-
32	1.8*	1.7*	1.8*	-	-	11.9		1	0.6	-	-	-
33	5.3*	4.9*	5.1*	-	-	33.9	-	-	1.6	-	-	-
34	1.4*	1.3*	1.3*	-	-	12.6		1	0.6	-	-	-
35	4.1*	3.7*	3.8*	-	-	36.1	-	-	1.6	-	-	-
36	1.5*	1.4*	1.4*	-	-	9.7		1	0.4	-	-	-
37	5.[illegible]	4.7*	4.8*	-	-	32.4	-	-	1.4	-	-	-
38	1.9*	1.8*	1.8*	-	-	10.8		1	0.4	-	-	-
39	5.8*	5.4*	5.7*	-	-	33.3	-	-	1.2	-	-	-
40	2.6*	2.5*	2.6*	-	-	11.9		1	0.4	-	-	-
41	7.6*	7.2*	7.6*	-	-	34.4	-	-	1.3	-	-	-
42	1.8*	1.7*	1.7*	-	-	11.4		1	0.4	-	-	-
43	5.4*	5.0*	5.2*	-	-	34.5	-	-	1.2	-	-	-
44	3.4*	3.3*	3.5*	-	-	8.1		1	0.5	-	-	-
45	11.3*	10.9*	11.7*	-	-	27.0	-	-	1.5	-	-	-
46	1.9*	1.8*	1.9*	-	-	9.4		1	0.5	-	-	-
47	6.6*	6.3*	6.6*	-	-	33.0	-	-	1.6	-	-	-
48	1.5*	1.4*	1.5*	-	-	8.4		1	0.4	-	-	-
49	5.5*	5.2*	5.4*	-	-	30.4	-	-	1.3	-	-	-
50	1.6*	1.5*	1.6*	-	-	8.8		1	0.3	-	-	-
51	6.3*	5.9*	6.2*	-	-	35.0	-	-	1.3	-	-	-
52	1.5*	1.4*	1.5*	-	-	11.4		1	0.4	-	-	-
53	5.6*	5.2*	5.4*	-	-	41.4	-	-	1.4	-	-	-
54	2.2*	2.0*	2.1*	-	-	12.9		1	0.4	-	-	-
55	7.1*	6.7*	7.0*	-	-	42.3	-	-	1.4	-	-	-
56	2.1*	2.0*	2.1*	-	-	12.9		1	0.4	-	-	-
57	6.7*	6.3*	6.6*	-	-	41.0	-	-	1.1	-	-	-
58	2.1*	2.0*	2.1*	-	-	9.7		1	0.5	-	-	-
59	7.5*	7.1*	7.5*	-	-	35.4	-	-	1.9	-	-	-
60	3.5*	3.4*	3.6*	-	-	11.0		1	0.5	-	-	-
61	10.7*	10.3*	11.1*	-	-	33.9	-	-	1.6	-	-	-
62	3.1*	3.0*	3.2*	-	-	11.7		1	0.6	-	-	-
63	8.9*	8.6*	9.1*	-	-	33.5	-	-	1.6	-	-	-
64	2.0*	1.9*	2.0*	-	-	8.8		1	0.4	-	-	-
65	7.7*	7.3*	7.7*	-	-	34.6	-	-	1.6	-	-	-
66	3.0*	2.9*	3.1*	-	-	9.3		1	1.0	0.10		1
67	9.5*	9.2*	9.8*	-	-	29.6	-	-	3.2	0.32	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	8.7*	9.0*	8.8*	-	-	38.4		1	2.6	0.58		1
70	9.2*	9.5*	9.2*	-	-	40.4	-	-	2.7	0.61	-	-
71	2.0*	2.4*	1.8*	-	-	37.2		1	1.6	-	-	-
72	2.2*	2.7*	2.0*	-	-	41.3	-	-	1.8	-	-	-
73	3.1*	3.0*	3.2*	-	-	10.2	38	10	1.4	0.08		2
74	9.2*	8.9*	9.4*	-	-	30.3	-	-	4.2	0.25	-	-
75	1.6*	1.5*	1.5*	-	-	-	-	-	-	-	-	-
76	5.4*	5.0*	5.2*	-	-	-	-	-	-	-	-	-
77	2.5*	2.4*	2.6*	-	-	5.9		1	0.4	0.19		1
78	11.4*	11.1*	11.8*	-	-	27.[illegible]	-	-	1.9	0.86	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	0.05	0.12	14	8	0.51	–	–	–	–	–	–	–	–	–	–	–	–	–
02	0.16	0.42	–	–	1.83	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	0.02	18	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	0.14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	0.05	26	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	0.16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	0.20		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	0.22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	0.15	0.14	16	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	0.16	0.15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	0.07		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	0.31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	0.10	0.13		1	0.75	–	–	–	–	–	–	–	–	–	–	–	–	–
31	0.36	0.45	–	–	2.60	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	0.14		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	0.43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	0.21		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	0.22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	0.01		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	0.02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	0.02		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	0.09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH FERTILIZED, CUT 2, (2)	2-10-088	-	-	-	-	-	-	-	-
02			100.0	-	-	-	-	-	-	-
03	-AERIAL PART, FRESH FERTILIZED, CUT 3, (2)	2-10-089	-	-	-	-	-	-	-	-
04			100.0	-	-	-	-	-	-	-
05	-LEAVES, FRESH, (2)	2-11-007	-	-	-	-	-	-	-	-
06			100.0	2.49*	-	2.59*	-	2.04*	-	2.13*
07	CYNODON SPP. DOGTOOTHGRASS		-	-	-	-	-	-	-	-
08	-AERIAL PART, DEHY GRND, (1)	1-11-466	92.4	2.22*	1.85*	2.14*	-	1.82*	1.52*	1.76*
09			100.0	2.40*	2.01*	2.32*	-	1.97*	1.65*	1.90*
10	-AERIAL PART, FRESH, 25 TO 31	2-10-475	33.1	-	-	-	-	-	-	-
11	OAYS' GROWTH, CUT 5, (2)		100.0	-	-	-	-	-	-	-
12	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-10-232	33.2	0.82*	-	0.83*	-	0.67*	-	0.68*
13			100.0	2.47*	-	2.49*	-	2.02*	-	2.05*
14	-AERIAL PART, FRESH, JOINTING ANC ROOT, (2)	2-01-800	33.2	0.88*	-	0.94*	-	0.72*	-	0.77*
15			100.0	2.64*	-	2.82*	-	2.17*	-	2.31*
16	CYPERUS SPP. FLATSEOGE		-	-	-	-	-	-	-	-
17	-AERIAL PART, FRESH, (2)	2-11-437	-	-	-	-	-	-	-	-
18			100.0	-	-	-	-	-	-	-
19	CYPRINUS CARPIO. FISH, CARP		-	-	-	-	-	-	-	-
20	-WHOLE, RAW, (5)	5-01-986	28.5	-	-	-	-	-	-	-
21			100.0	-	-	-	-	-	-	-
22	DACTYLIS GLOMERATA. ORCHARDGRASS		-	-	-	-	-	-	-	-
23	-HAY, S-C, (1)	1-03-438	88.8	2.28*	1.66	2.68	-	1.87*	1.36*	2.20*
24			100.0	2.57*	1.87	3.02	-	2.10*	1.54*	2.47*
25	-HAY, S-C FERTILIZED, 25 TO 31 DAYS' GROWTH, (1)	1-10-634	-	-	-	-	-	-	-	-
26			100.0	-	-	-	-	-	-	-
27	-HAY, S-C FERTILIZED, 39 TO 45 DAYS' GROWTH, (1)	1-10-633	-	-	-	-	-	-	-	-
28			100.0	-	-	-	-	-	-	-
29	-HAY, S-C FERTILIZED, 53 TO 59 DAYS' GROWTH, (1)	1-10-632	-	-	-	-	-	-	-	-
30			100.0	-	-	-	-	-	-	-
31	-HAY, S-C FERTILIZED, JOINTING AND BOOT, (1)	1-10-629	-	-	-	-	-	-	-	-
32			100.0	2.42*	1.76*	2.36*	-	1.98*	1.44*	1.94*
33	-AERIAL PART, FRESH, (2)	2-03-451	24.9	0.77*	-	0.73*	-	0.63*	-	0.60*
34			100.0	3.09*	-	2.94*	-	2.53*	-	2.41*
35	DACTYLIS GLOMERATA. ORCHARDGRASS. BLUE		-	-	-	-	-	-	-	-
36	-AERIAL PART, FRESH, 18 TO 24 DAYS' GROWTH, (2)	2-10-194	-	-	-	-	-	-	-	-
37			100.0	-	-	3.08*	-	-	-	2.52*
38	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-195	-	-	-	-	-	-	-	-
39			100.0	-	-	2.84*	-	-	-	2.33*
40	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-10-196	-	-	-	-	-	-	-	-
41			100.0	2.00*	-	2.63*	-	1.64*	-	2.16*
42	DACTYLIS GLOMERATA. ORCHARDGRASS		-	-	-	-	-	-	-	-
43	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-03-440	23.9	0.76*	-	0.70*	-	0.62*	-	0.57*
44			100.0	3.19*	-	2.93*	-	2.62*	-	2.40*
45	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-08-476	20.2	0.54*	-	0.57*	-	0.45*	-	0.46*
46			100.0	2.69*	-	2.80*	-	2.20*	-	2.30*
47	-AERIAL PART, FRESH,	2-10-489	12.9	0.43*	-	0.37*	-	0.35*	-	0.30*
48	JOINTING AND BOOT, CUT 1, (2)		100.0	3.30*	-	2.85*	-	2.70*	-	2.34*
49	-AERIAL PART, FRESH,	2-03-441	-	-	-	-	-	-	-	-
50	JOINTING AND BOOT, PURE STAND, (2)		100.0	-	-	-	-	-	-	-
51	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-03-442	24.2	0.65*	-	0.65*	-	0.53*	-	0.53*
52			100.0	2.67*	-	2.68*	-	2.19*	-	2.20*
53	-AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)	2-10-485	19.9	0.52*	-	0.54*	-	0.42*	-	0.44*
54			100.0	2.59*	-	2.71*	-	2.12*	-	2.22*
55	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-03-443	30.5	0.78*	-	0.81*	-	0.64*	-	0.66*
56			100.0	2.57*	-	2.65*	-	2.11*	-	2.17*
57	-AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)	2-10-486	28.7	0.95*	-	0.79*	-	0.78*	-	0.65*
58			100.0	3.31*	-	2.76*	-	2.71*	-	2.26*
59	-AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)	2-10-487	24.3	0.51*	-	0.62*	-	0.42*	-	0.51*
60			100.0	2.11*	-	2.55*	-	1.73*	-	2.09*
61	-AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)	2-10-488	21.3	0.58*	-	0.58*	-	0.48*	-	0.47*
62			100.0	2.72*	-	2.71*	-	2.23*	-	2.22*
63	-AERIAL PART, FRESH, MILK STAGE, (2)	2-03-446	-	-	-	-	-	-	-	-
64			100.0	2.54*	-	2.60*	-	2.09*	-	2.13*
65	-AERIAL PART, FRESH, CUT 1, (2)	2-03-450	19.2	0.47*	-	0.51*	-	0.38*	-	0.42*
66			100.0	2.44*	-	2.64*	-	2.00*	-	2.17*
67	-AERIAL PART, FRESH, CUT 2, (2)	2-07-723	30.4	0.87*	-	0.81*	-	0.72*	-	0.66*
68			100.0	2.88*	-	2.65*	-	2.36*	-	2.17*
69	-AERIAL PART, FRESH	2-10-136	-	-	-	-	-	-	-	-
70	FERTILIZED, 18 TO 24 DAYS' GROWTH, (2)		100.0	-	-	3.07*	-	-	-	2.52*
71	DACTYLIS GLOMERATA, TRIFOLIUM PRATENSE.		-	-	-	-	-	-	-	-
72	ORCHARDGRASS-CLOVER, RED		-	-	-	-	-	-	-	-
73	-TRIFOLIUM PRATENSE, AERIAL	2-10-197	-	-	-	-	-	-	-	-
74	PART, FRESH, 18 TO 24 DAYS' GROWTH,		100.0	-	-	-	-	-	-	-
75	(2)		-	-	-	-	-	-	-	-
76	-TRIFOLIUM PRATENSE, AERIAL	2-10-198	-	-	-	-	-	-	-	-
77	PART, FRESH, 39 TO 45 DAYS' GROWTH,		100.0	-	-	3.04*	-	-	-	2.49*
78	(2)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	7	6
02	-	-	-	-	-	-	-	-	-	-	4.7	-	-
03	-	-	-	-	-	-	-	-	-	-	-	10	4
04	-	-	-	-	-	-	-	-	-	-	4.5	-	-
05	-	-	-	-	-	-	-	-	-	-	-	29	62
06	-	-	1.20*	0.53*	1.23*	56.*	-	59.*	-	-	11.0	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	1.07*	0.42*	1.07*	50.*	46.*	49.*	-	-	9.5		1
09	-	-	1.16*	0.46*	1.16*	54.*	50.*	53.*	-	-	10.3	-	-
10	-	-	-	-	-	-	-	-	-	-	2.8		3
11	-	-	-	-	-	-	-	-	-	-	8.4	-	-
12	-	-	0.40*	0.17*	0.40*	19.*	-	19.*	-	-	3.3		1
13	-	-	1.19*	0.51*	1.21*	56.*	-	57.*	-	-	9.8	-	-
14	-	-	0.43*	0.22*	0.45*	20.*	-	21.	-	-	5.0		2
15	-	-	1.28*	0.65*	1.35*	60.*	-	64.	-	-	15.0	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-		1
18	-	-	-	-	-	-	-	-	-	-	10.8	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	19.0		3
21	-	-	-	-	-	-	-	-	-	-	66.7	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	1.10*	0.53*	1.14*	52▲	42▲*	47▲	-	-	10.0	35	13
24	-	-	1.24*	0.59*	1.29*	58▲	47▲*	53▲	-	-	11.3	-	-
25	-	-	-	-	-	-	-	-	-	-	-		3
26	-	-	-	-	-	-	-	-	-	-	15.5	-	-
27	-	-	-	-	-	-	-	-	-	-	-		3
28	-	-	-	-	-	-	-	-	-	-	20.7	-	-
29	-	-	-	-	-	-	-	-	-	-	-		2
30	-	-	-	-	-	-	-	-	-	-	20.6	-	-
31	-	-	-	-	-	-	-	-	-	-	-		1
32	-	-	1.17*	0.47*	1.17*	55.*	43.*	54.*	-	-	7.3	-	-
33	-	-	0.38*	0.24*	0.42*	17.*	-	17.*	-	-	3.6	28	17
34	-	-	1.55*	0.98*	1.70*	70.*	-	67.*	-	-	14.6	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-		1
37	-	-	-	-	-	-	-	70.*	-	-	25.4	-	-
38	-	-	-	-	-	-	-	-	-	-	-		1
39	-	-	-	-	-	-	-	64.*	-	-	20.2	-	-
40	-	-	-	-	-	-	-	-	-	-	-		1
41	-	-	0.98*	0.07*	0.85*	45.*	-	60.*	-	-	16.4	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	0.38*	0.25*	0.42*	17▲*	-	16▲*	-	-	4.4		1
44	-	-	1.61*	1.04*	1.78*	72▲*	-	66▲*	-	-	18.4	-	-
45	-	-	0.26*	0.14*	0.28*	12▲*	-	13▲*	-	-	2.3		1
46	-	-	1.31*	0.69*	1.38*	61▲*	-	63▲*	-	-	11.6	-	-
47	-	-	0.22*	0.14*	0.24*	10.*	-	8.*	-	-	1.8		1
48	-	-	1.69*	1.11*	1.86*	75.*	-	65.*	-	-	14.3	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	0.31*	0.16*	0.33*	15▲*	-	15▲*	-	-	2.8	9	4
52	-	-	1.30*	0.67*	1.37*	60▲*	-	61▲*	-	-	11.5	-	-
53	-	-	0.25*	0.12*	0.26*	12.*	-	12.*	-	-	3.0		1
54	-	-	1.26*	0.61*	1.31*	59.*	-	61.*	-	-	15.1	-	-
55	-	-	0.38*	0.18*	0.39*	18▲*	-	18▲*	-	-	2.7		2
56	-	-	1.25*	0.60*	1.29*	58▲*	-	60▲*	-	-	8.8	-	-
57	-	-	0.49*	0.32*	0.54*	22.*	-	18.*	-	-	2.9		1
58	-	-	1.69*	1.11*	1.87*	75.*	-	63.*	-	-	10.0	-	-
59	-	-	0.25*	0.04*	0.23*	12.*	-	14.*	-	-	3.1		1
60	-	-	1.03*	0.18*	0.93*	48.*	-	58.*	-	-	12.6	-	-
61	-	-	0.28*	0.15*	0.30*	13.*	-	13.*	-	-	2.9		1
62	-	-	1.33*	0.72*	1.41*	62.*	-	61.*	-	-	13.[illegible]	-	-
63	-	-	-	-	-	-	-	-	-	-	-		1
64	-	-	1.23*	0.58*	1.27*	58.*	-	59.*	-	-	8.4	-	-
65	-	-	0.23*	0.09*	0.23*	11▲*	-	12▲*	-	-	2.7		1
66	-	-	1.18*	0.49*	1.19*	55▲*	-	60▲*	-	-	14.1	-	-
67	-	-	0.43*	0.25*	0.47*	20.*	-	18.*	-	-	2.6		1
68	-	-	1.42*	0.83*	1.53*	65.*	-	60.*	-	-	8.7	-	-
69	-	-	-	-	-	-	-	-	-	-	-		1
70	-	-	-	-	-	-	-	70.*	-	-	25.4	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-		1
74	-	-	-	-	-	-	-	-	-	-	28.9	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-		1
77	-	-	-	-	-	-	-	69.*	-	-	22.9	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	1.9*	1.5*	1.4*	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	1.7*	1.4*	1.2*	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	9	62	-	-	2	62
06	7.3*	6.9*	7.3*	-	-	31.5	-	-	2.4	0.28	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	5.4*	5.8*	5.4*	-	-	26.7		1	3.2	0.58		1
09	5.8*	5.3*	5.8*	-	-	28.9	-	-	3.5	0.63	-	-
10	1.7*	1.6*	1.6*	-	-	-	-	-	-	-	-	-
11	5.1*	4.7*	4.8*	-	-	-	-	-	-	-	-	-
12	2.1*	1.9*	2.0*	-	-	11.1		1	0.5	0.13		1
13	6.2*	5.9*	6.1*	-	-	33.4	-	-	1.6	0.40	-	-
14	3.5*	3.4*	3.8	-	-	9.5		2	0.8	0.13		1
15	10.6*	10.3*	11.4	-	-	28.7	-	-	2.3	0.40	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-		1
18	7.1*	6.7*	7.1*	-	-	-	-	-	-	0.61	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	7.6	0.06		1
21	-	-	-	-	-	-	-	-	26.8	0.23	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	6.0	6.3*	6.0	-	63.9	30.0	12	13	3.0	0.28	19	6
24	6.7	7.1*	6.8	-	72.0	33.8	-	-	3.4	0.31	-	-
25	-	-	-	-	-	-		3	-	-	-	-
26	10.4*	10.7*	10.5*	-	-	28.5	-	-	-	-	-	-
27	-	-	-	-	-	-		3	-	-	-	-
28	14.9*	15.1*	15.1*	-	-	27.8	-	-	-	-	-	-
29	-	-	-	-	-	-		2	-	-	-	-
30	14.8*	15.1*	15.1*	-	-	26.5	-	-	-	-	-	-
31	-	-	-	-	-	-		1	-	-	-	-
32	3.3*	3.8*	3.1*	-	-	29.4	-	-	2.1	-	-	-
33	2.7	2.5*	2.4	-	-	6.3	15	17	1.5	-	-	-
34	10.6	10.0*	9.8	-	-	25.4	-	-	5.9	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-		1	-	-	-	-
37	19.5*	19.1*	20.7*	-	-	20.6	-	-	5.9	-	-	-
38	-	-	-	-	-	-		1	-	-	-	-
39	15.1*	14.7*	15.8*	-	-	24.3	-	-	5.1	-	-	-
40	-	-	-	-	-	-		1	-	-	-	-
41	11.9*	11.5*	12.3*	-	-	22.0	-	-	5.0	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	3.2*	3.1*	3.2	-	-	5.6		1	1.2	0.13		1
44	13.5*	13.2*	13.3	-	-	22.4	-	-	5.0	0.54	-	-
45	1.6*	1.5*	1.5	-	-	5.4		1	0.4	0.06		1
46	7.7*	7.3*	7.6	-	-	26.9	-	-	2.2	0.31	-	-
47	1.3*	1.2*	1.3*	-	-	3.1		1	0.5	0.06		1
48	10.0*	9.7*	10.3*	-	-	24.1	-	-	3.9	0.44	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	1.9*	1.8*	1.9*	-	-	7.9	8	4	0.9	0.06		1
52	7.7*	7.3*	7.7*	-	-	32.8	-	-	3.5	0.25	-	-
53	2.1*	2.1*	2.2*	-	-	5.4		1	0.9	-	-	-
54	10.7*	10.3*	11.1*	-	-	26.9	-	-	4.3	-	-	-
55	1.6*	1.5*	1.6	-	-	10.2		2	1.1	0.07		1
56	5.4*	5.0*	5.1	-	-	33.5	-	-	3.5	0.23	-	-
57	1.8*	1.7*	1.8*	-	-	7.9		1	1.1	0.12		1
58	6.4*	6.0*	6.3*	-	-	27.4	-	-	3.9	0.41	-	-
59	2.1*	2.0*	2.1*	-	-	7.6		1	1.0	-	-	-
60	8.6*	8.2*	8.7*	-	-	31.3	-	-	4.0	-	-	-
61	2.0*	2.0*	2.1*	-	-	6.3		1	0.9	-	-	-
62	9.5*	9.2*	9.8*	-	-	29.4	-	-	4.0	-	-	-
63	-	-	-	-	-	-		1	-	-	-	-
64	5.0*	4.7*	4.8*	-	-	35.2	-	-	3.7	-	-	-
65	1.9*	1.8*	1.9*	-	-	5.3		1	0.8	0.08		1
66	9.9*	9.5*	10.1*	-	-	27.5	-	-	4.2	0.43	-	-
67	1.6*	1.5*	1.5*	-	-	9.2		1	1.1	-	-	-
68	5.3*	4.9*	5.1*	-	-	30.4	-	-	3.7	-	-	-
69	-	-	-	-	-	-		1	-	-	-	-
70	19.5*	19.1*	20.7*	-	-	20.6	-	-	5.9	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-		1	-	-	-	-
74	22.5*	22.1*	23.0*	-	-	17.5	-	-	5.3	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-		1	-	-	-	-
77	17.3*	16.9*	18.3*	-	-	21.3	-	-	5.3	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	2	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.31		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	0.05	0.11		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	0.15	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	0.05	0.11		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	0.15	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.32		1	0.37	-	-	-	19.3	-	-	0.5	-	-	-	-	-	-
21	-	1.14	-	-	1.29	-	-	-	67.6	-	-	1.8	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	0.14	0.25	25	6	3.06	0.23	99.8	-	-	-	-	2.8	-	-	-	-	-	-
24	0.16	0.28	-	-	3.44	0.26	112.4	-	-	-	-	3.1	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.12		1	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.50	-	-	2.64	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	0.08		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	0.02	0.04		1	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-
48	0.15	0.32	-	-	1.89	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.09		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	0.04	0.05		1	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-
58	0.15	0.19	-	-	1.84	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	0.04	0.05		1	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-
66	0.21	0.24	-	-	1.75	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-TRIFOLIUM PRATENSE, AERIAL	2-10-199	-	-	-	-	-	-	-	-
02	PART, FRESH, 60 TO 66 DAYS' GROWTH,		100.0	-	-	2.61*	-	-	-	2.14*
03	(2)		-	-	-	-	-	-	-	-
04	-TRIFOLIUM PRATENSE, AERIAL	2-10-138	-	-	-	-	-	-	-	-
05	PART, FRESH FERTILIZED, 18 TO 24 DAYS'		100.0	-	-	-	-	-	-	-
06	GROWTH, (2)		-	-	-	-	-	-	-	-
07	DAUCUS SPP. CARROT		-	-	-	-	-	-	-	-
08	-ROOTS, FRESH, (4)	4-01-145	11.9	0.29*	-	0.46*	396.*	0.24*	-	0.38*
09			100.0	2.47*	-	3.88*	3336.*	2.02*	-	3.18*
10	DEHYDRATED ALFALFA LEAF MEAL (AAFCO)		-	-	-	-	-	-	-	-
11	-SEE MEDICAGO SATIVA, LEAVES, DEHY		-	-	-	-	-	-	-	-
12	GRND, (1)		-	-	-	-	-	-	-	-
13	DEHYDRATED ALFALFA MEAL (AAFCO)		-	-	-	-	-	-	-	-
14	-SEE MEDICAGO SATIVA, AERIAL PART,		-	-	-	-	-	-	-	-
15	DEHY GRND, (1)		-	-	-	-	-	-	-	-
16	DESMODIUM DISCOLOR. TICKCLOVER, DISCOLOR		-	-	-	-	-	-	-	-
17	-HAY, S-C, (1)	1-11-655	-	-	-	-	-	-	-	-
18			100.0	2.82*	1.46*	2.76*	-	2.31*	1.20*	2.26*
19	DESMODIUM INTORTUM. TICKCLOVER, INTORTUM		-	-	-	-	-	-	-	-
20	-AERIAL PART, DEHY, (1)	1-11-653	95.7	2.85*	1.79*	2.71*	-	2.34*	1.47*	2.22*
21			100.0	2.98*	1.87*	2.83*	-	2.44*	1.53*	2.32*
22	-AERIAL PART, FRESH, (2)	2-11-651	17.2	-	-	-	-	-	-	-
23			100.0	-	-	-	-	-	-	-
24	DESMODIUM SPP. TICKCLOVER		-	-	-	-	-	-	-	-
25	-AERIAL PART, FRESH, (2)	2-10-497	-	-	-	-	-	-	-	-
26			100.0	2.66*	-	2.81*	-	2.18*	-	2.30*
27	-AERIAL PART, FRESH, RIPE SEED, (2)	2-10-640	45.7	1.20*	-	1.24*	-	0.99*	-	1.01*
28			100.0	2.64*	-	2.70*	-	2.16*	-	2.22*
29	-LEAVES, FRESH, (2)	2-10-499	-	-	-	-	-	-	-	-
30			100.0	-	-	3.02*	-	-	-	2.48*
31	-TOP OF STEM, FRESH, (2)	2-10-498	-	-	-	-	-	-	-	-
32			100.0	2.69*	-	2.47*	-	2.20*	-	2.02*
33	DESMODIUM UNCINATUM. TICKCLOVER, UNICATUM		-	-	-	-	-	-	-	-
34	-AERIAL PART, FRESH, RIPE SEED, (2)	2-11-654	39.9	1.20*	-	1.11*	-	0.99*	-	0.91*
35			100.0	3.02*	-	2.79*	-	2.48*	-	2.29*
36	DESMODIUM UNICATUM. CLOVER, SPANISH		-	-	-	-	-	-	-	-
37	-HAY, S-C, (1)	1-10-116	91.0	2.29*	-	2.24*	-	1.88*	-	1.83*
38			100.0	2.52*	-	2.46*	-	2.07*	-	2.02*
39	DICALCIUM PHOSPHATE (AAFCO)		-	-	-	-	-	-	-	-
40	-SEE CALCIUM PHOSPHATE, DIBASIC		-	-	-	-	-	-	-	-
41	PHOSPHATE DIBASIC, COMMERCIAL, (6)		-	-	-	-	-	-	-	-
42	DIGESTER TANKAGE WITH BONE		-	-	-	-	-	-	-	-
43	-SEE ANIMAL, CARCASS RESIDUE W BLOOD W		-	-	-	-	-	-	-	-
44	BONE, DRY OR WET RENDERED DEHY GRND,		-	-	-	-	-	-	-	-
45	MN 9% INDIGESTIBLE MATERIAL MN 4.4% P,		-	-	-	-	-	-	-	-
46	(5)		-	-	-	-	-	-	-	-
47	DIGESTER TANKAGE		-	-	-	-	-	-	-	-
48	-SEE ANIMAL, CARCASS RESIDUE W BLOOD,		-	-	-	-	-	-	-	-
49	DRY OR WET RENDERED DEHY GRND, MN 9%		-	-	-	-	-	-	-	-
50	INDIGESTIBLE MATERIAL MX 4.4% P, (5)		-	-	-	-	-	-	-	-
51	DIGITARIA DECUMBENS. PANGOLAGRASS		-	-	-	-	-	-	-	-
52	-AERIAL PART, DEHY, (1)	1-10-637	90.4	1.97*	1.58*	1.94*	-	1.62*	1.29*	1.59*
53			100.0	2.18*	1.74*	2.14*	-	1.79*	1.43*	1.76*
54	-AERIAL PART, DEHY GRND, (1)	1-10-546	90.5	1.92*	1.73*	1.94*	-	1.57*	1.42*	1.59*
55			100.0	2.12*	1.91*	2.15*	-	1.74*	1.57*	1.76*
56	-AERIAL PART, DEHY GRND PELLETED, (1)	1-10-551	87.2	2.17*	0.79*	2.27*	-	1.78*	0.65*	1.86*
57			100.0	2.49*	0.91*	2.61*	-	2.04*	0.74*	2.14*
58	-HAY, S-C, (1)	1-09-459	88.0	2.05*	1.59*	1.99*	-	1.68*	1.31*	1.63*
59			100.0	2.33*	1.81*	2.26*	-	1.91*	1.48*	1.85*
60	-HAY, S-C, 4 TO 10 DAYS' GROWTH, (1)	1-10-636	97.6	2.37*	1.79*	2.27*	-	1.95*	1.47*	1.86*
61			100.0	2.43*	1.83*	2.32*	-	1.99*	1.50*	1.90*
62	-HAY, S-C, 11 TO 17 DAYS' GROWTH, (1)	1-10-635	97.9	2.20*	1.83*	2.13*	-	1.80*	1.50*	1.75*
63			100.0	2.24*	1.87*	2.17*	-	1.84*	1.53*	1.78*
64	-HAY, S-C, MIDBLOOM, (1)	1-10-384	84.7	-	-	1.84	-	-	-	1.51*
65			100.0	-	-	2.18	-	-	-	1.78*
66	-HAY, S-C GRND PELLETED, (1)	1-09-453	90.0	2.12*	1.96*	2.07*	-	1.74*	1.60*	1.70*
67			100.0	2.35*	2.17*	2.30*	-	1.93*	1.78*	1.89*
68	-HAY W MOLASSES ADDED, S-C GRND PELLETED, (1)	1-09-457	91.1	2.18*	1.65*	2.12*	-	1.79*	1.35*	1.74*
69			100.0	2.39*	1.81*	2.33*	-	1.96*	1.49*	1.91*
70	-AERIAL PART, FRESH, (2)	2-03-493	21.1	0.63	-	0.57*	-	0.52*	-	0.47*
71			100.0	3.01	-	2.73*	-	2.47*	-	2.24*
72	-AERIAL PART, FRESH, 25 TO	2-10-392	22.6	-	-	-	-	-	-	-
73	31 DAYS' REGROWTH, (2)		100.0	-	-	-	-	-	-	-
74	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-10-092	-	-	-	-	-	-	-	-
75			100.0	2.74	-	-	-	2.25*	-	-
76	-AERIAL PART, FRESH, 25 TO	2-09-765	18.0	0.49*	-	0.48*	-	0.40*	-	0.39*
77	31 DAYS' GROWTH, CUT 1, (2)		100.0	2.73*	-	2.66*	-	2.23*	-	2.18*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-		1
02	-	-	-	-	-	-	-	59.*	-	-	18.9	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-		1
05	-	-	-	-	-	-	-	-	-	-	28.8	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	380.*	-	0.14*	[illegible]	0.14*	7.*	-	10.*	9.*	-	1.2		2
09	3203.*	-	1.19*	0.51*	1.21*	56.*	-	88.*	76.*	-	9.7	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-		1
18	-	-	1.38*	0.79*	1.48*	64.*	35.*	63.*	-	-	19.1	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	1.41*	0.86*	1.54*	65.*	45.*	62.*	-	-	16.3		3
21	-	-	1.48*	0.90*	1.61*	68.*	47.*	64.*	-	-	17.1	-	-
22	-	-	-	-	-	-	-	-	-	-	19.0		1
23	-	-	-	-	-	-	-	-	-	-	110.5	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-		1
26	-	-	1.29*	0.67*	1.36*	60.*	-	64.*	-	-	16.9	-	-
27	-	-	0.58*	0.30*	0.61*	27.*	-	28.*	-	-	4.8		1
28	-	-	1.28*	0.65*	1.34*	60.*	-	61.*	-	-	10.6	-	-
29	-	-	-	-	-	-	-	-	-	-	-		1
30	-	-	-	-	-	-	-	69.*	-	-	25.9	-	-
31	-	-	-	-	-	-	-	-	-	-	-		1
32	-	-	1.31*	0.69*	1.38*	61.*	-	56.*	-	-	11.5	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	0.60*	0.37*	0.66*	27.*	-	25.*	-	-	4.9		1
35	-	-	1.50*	0.93*	1.64*	68.*	-	63.*	-	-	12.4	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	1.11*	0.51*	1.14*	52.*	-	51.*	-	-	18.8		1
38	-	-	1.22*	0.56*	1.25*	57.*	-	56.*	-	-	20.7	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	0.96*	0.23*	0.89*	45.*	39.*	44.*	-	-	5.0		1
53	-	-	1.06*	0.25*	0.99*	49.*	43.*	49.*	-	-	5.5	-	-
54	-	-	0.93*	0.17*	0.85*	43.*	43.*	44.*	-	-	9.0	18	21
55	-	-	1.03*	0.19*	0.94*	48.*	49.*	49.*	-	-	10.0	-	-
56	-	-	1.05*	0.47*	1.07*	49.*	18.*	52.*	-	-	17.4		1
57	-	-	1.21*	0.53*	1.23*	57.*	20.*	59.*	-	-	20.0	-	-
58	-	-	0.99*	0.34*	0.97*	46.*	39.*	45.*	-	-	6.0	36	13
59	-	-	1.12*	0.39*	1.10*	53.*	45.*	51.*	-	-	6.8	-	-
60	-	-	1.15*	0.47*	1.16*	54.*	44.*	51.*	-	-	5.8		1
61	-	-	1.18*	0.48*	1.18*	55.*	46.*	53.*	-	-	5.9	-	-
62	-	-	1.06*	0.31*	1.01*	50.*	46.*	48.*	-	-	5.3		1
63	-	-	1.09*	0.31*	1.04*	51.*	47.*	49.*	-	-	5.4	-	-
64	-	-	-	-	-	-	-		-	-	5.6		2
65	-	-	-	-	-	-	-		-	-	6.6	-	-
66	-	-	1.02*	0.37*	1.01*	48.*	49.*	47.*	-	-	8.2		2
67	-	-	1.14*	0.41*	1.12*	53.*	55.*	52.*	-	-	9.1	-	-
68	-	-	1.05*	0.41*	1.05*	49.*	41.*	48.*	-	-	5.4		1
69	-	-	1.16*	0.45*	1.15*	54.*	45.*	53.*	-	-	5.9	-	-
70	-	-	0.32*	0.19*	0.34*	13.	-	13.*	-	-	2.8	30	64
71	-	-	1.50*	0.92*	1.64*	63.	-	62.*	-	-	13.5	-	-
72	-	-	-	-	-	-	-	-	-	-	2.1	23	5
73	-	-	-	-	-	-	-	-	-	-	9.5	-	-
74	-	-	-	-	-	-	-	-	-	-	-		2
75	-	-	1.34*	0.73*	1.43*	-	-	-	-	-	13.7	-	-
76	-	-	0.24*	0.13*	0.25*	11.*	-	11.*	-	-	2.0		2
77	-	-	1.33*	0.72*	1.41*	62.*	-	60.*	-	-	11.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-		1	-	-	-	-
02	13.9*	13.6*	14.6*	-	-	22.6	-	-	4.1	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-		1	-	-	-	-
05	22.4*	22.0*	23.8*	-	-	17.5	-	-	5.3	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-		-	-
08	0.6*	0.7*	0.8	-	-	1.1		2	0.2	0.04		2
09	4.9*	6.1*	7.1	-	-	8.9	-	-	1.7	0.37	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-		1	-	-	-	-
18	13.5*	13.7*	13.7*	-	-	22.8	-	-	4.5	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	11.2*	11.5*	11.4*	-	-	19.7		3	3.1	1.27		3
21	11.7*	12.0*	11.9*	-	-	20.5	-	-	3.2	1.33	-	-
22	15.8*	15.7*	17.2*	-	-	22.6		1	5.2	0.84		1
23	91.8*	91.3*	99.9*	-	-	31.4	-	-	30.2	4.88	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-		1	-	-		1
26	12.3*	11.9*	12.8*	-	-	33.2	-	-	3.9	1.28	-	-
27	3.2*	3.0*	3.1*	-	-	15.5		1	1.3	-	-	-
28	6.9*	6.5*	6.9*	-	-	34.0	-	-	2.9	-	-	-
29	-	-	-	-	-	-		1	-	-		1
30	19.9*	19.5*	21.1*	-	-	19.7	-	-	2.8	1.42	-	-
31	-	-	-	-	-	-		1	-	-		1
32	7.7*	7.3*	7.7*	-	-	36.2	-	-	0.9	1.46	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	3.4*	3.2*	3.4*	-	-	11.5		1	1.3	-	-	-
35	8.4*	8.1*	8.5*	-	-	28.7	-	-	3.3	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	13.5*	13.7*	13.7*	-	-	25.2		1	1.5	-	-	-
38	14.8*	15.1*	15.1*	-	-	27.7	-	-	1.6	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	1.6*	2.0*	1.4*	-	-	32.9		1	2.0	-	-	-
53	1.7*	2.2*	1.5*	-	-	36.4	-	-	2.2	-	-	-
54	5.0*	5.4*	5.0*	-	-	33.4	10	21	2.7	0.54	38	20
55	5.6*	6.0*	5.5*	-	-	36.9	-	-	3.0	0.60	-	-
56	12.4*	12.6*	12.6*	-	-	20.0		1	4.8	-	-	-
57	14.2*	14.5*	14.5*	-	-	22.9	-	-	5.5	-	-	-
58	2.5*	2.9*	2.4*	-	-	29.3	11	13	2.1	0.22		3
59	2.9*	3.3*	2.7*	-	-	33.3	-	-	2.4	0.25	-	-
60	2.0*	2.5*	1.8*	-	-	32.2		1	2.5	0.22		1
61	2.0*	2.5*	1.9*	-	-	33.0	-	-	2.6	0.23	-	-
62	1.6*	2.1*	1.4*	-	-	31.5		1	2.5	0.30		1
63	1.6*	2.1*	1.4*	-	-	32.2	-	-	2.6	0.31	-	-
64	2.3*	2.7*	2.1*	-	66.0	-	-	-	-	-	-	-
65	2.7*	3.2*	2.5*	-	77.9	-	-	-	-	-	-	-
66	4.3*	4.7*	4.3*	-	-	26.6		2	5.1	-	-	-
67	4.8*	5.3*	4.7*	-	-	29.5	-	-	5.7	-	-	-
68	1.9*	2.3*	1.7*	-	-	24.4		1	2.2	-	-	-
69	2.1*	2.6*	1.9*	-	-	26.8	-	-	2.4	-	-	-
70	2.1	1.9*	1.4	-	-	6.1	22	99	0.9	0.10	94	12
71	10.0	9.0*	6.5	-	-	28.9	-	-	4.3	0.46	-	-
72	1.3*	1.3*	1.2	-	-	-	-	-	-	-	-	-
73	5.9*	5.6*	5.3	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	8.7	9.2*	9.8*	-	60.0	-	-	-	3.5	-	-	-
76	1.3*	1.2*	1.3*	-	-	5.1		2	0.6	-	-	-
77	7.3*	6.9*	7.3*	-	-	28.1	-	-	3.4	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	0.02	0.04		2	0.30	0.02	-	-	6.0	-	-	0.5	-	-	-	-	-	-
09	0.17	0.32	-	-	2.50	0.17	-	-	50.8	-	-	4.2	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.29		3	-	-	-	-	44.0	-	-	8.1	-	-	-	-	-	-
21	-	0.30	-	-	-	-	-	-	45.9	-	-	8.5	-	-	-	-	-	-
22	-	0.27		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	1.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.16	25	20	-	-	-	-	22.5	-	-	206.3	-	-	-	-	-	-
55	-	0.17	-	-	-	-	-	-	24.9	-	-	542.5	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	0.33	0.08		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	0.38	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.10		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	0.09		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	0.04	0.06	89	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	0.18	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, 25 TO	2-09-766	19.5	0.56*	-	0.51*	-	0.46*	-	0.42*
02	31 DAYS' GROWTH, CUT 2, (2)		100.0	2.89*	-	2.60*	-	2.37*	-	2.13*
03	-AERIAL PART, FRESH, 25 TO	2-09-767	23.0	0.60*	-	0.61*	-	0.49*	-	0.50*
04	31 DAYS' GROWTH, CUT 3, (2)		100.0	2.61*	-	2.64*	-	2.14*	-	2.17*
05	-AERIAL PART, FRESH, 25 TO	2-09-768	16.0	0.40*	-	0.43*	-	0.33*	-	0.35*
06	31 DAYS' GROWTH, CUT 4, (2)		100.0	2.51*	-	2.68*	-	2.06*	-	2.20*
07	-AERIAL PART, FRESH, 25 TO	2-09-769	25.4	0.58*	-	0.63*	-	0.47*	-	0.52*
08	31 DAYS' GROWTH, CUT 5, (2)		100.0	2.27*	-	2.48*	-	1.86*	-	2.04*
09	-AERIAL PART, FRESH, 25 TO	2-09-770	19.0	0.56*	-	0.51*	-	0.46*	-	0.42*
10	31 DAYS' GROWTH, CUT 6, (2)		100.0	2.95*	-	2.70*	-	2.42*	-	2.22*
11	-AERIAL PART, FRESH, 25 TO	2-09-771	18.0	0.49*	-	0.48*	-	0.40*	-	0.39*
12	31 DAYS' GROWTH, CUT 7, (2)		100.0	2.72*	-	2.68*	-	2.23*	-	2.19*
13	-AERIAL PART, FRESH, 25 TO	2-09-772	18.0	0.43*	-	0.47*	-	0.35*	-	0.38*
14	31 DAYS' GROWTH, CUT 8, (2)		100.0	2.39*	-	2.60*	-	1.96*	-	2.13*
15	-AERIAL PART, FRESH, 25 TO	2-09-773	19.0	0.46*	-	0.50*	-	0.38*	-	0.41*
16	31 DAYS' GROWTH, CUT 9, (2)		100.0	2.45*	-	2.62*	-	2.01*	-	2.15*
17	-AERIAL PART, FRESH, 25 TO	2-09-774	18.0	0.45*	-	0.47*	-	0.37*	-	0.38*
18	31 DAYS' GROWTH, CUT 10, (2)		100.0	2.48*	-	2.60*	-	2.03*	-	2.14*
19	-AERIAL PART, FRESH, 25 TO	2-09-775	15.0	0.39*	-	0.41*	-	0.32*	-	0.34*
20	31 DAYS' GROWTH, CUT 11, (2)		100.0	2.59*	-	2.75*	-	2.13*	-	2.25*
21	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-140	20.6	-	-	-	-	-	-	-
22			100.0	-	-	-	-	-	-	-
23	-AERIAL PART, FRESH, 39 TO	2-09-776	19.0	0.52*	-	0.51*	-	0.42*	-	0.42*
24	45 DAYS' GROWTH, CUT 1, (2)		100.0	2.71*	-	2.68*	-	2.23*	-	2.20*
25	-AERIAL PART, FRESH, 39 TO	2-09-777	22.0	0.70*	-	0.59*	-	0.58*	-	0.49*
26	45 DAYS' GROWTH, CUT 2, (2)		100.0	3.20*	-	2.70*	-	2.62*	-	2.21*
27	-AERIAL PART, FRESH, 39 TO	2-09-778	29.0	0.78*	-	0.75*	-	0.64*	-	0.62*
28	45 DAYS' GROWTH, CUT 3, (2)		100.0	2.67*	-	2.60*	-	2.19*	-	2.13*
29	-AERIAL PART, FRESH, 39 TO	2-09-779	10.0	0.25*	-	0.26*	-	0.21*	-	0.22*
30	45 DAYS' GROWTH, CUT 4, (2)		100.0	2.54*	-	2.62*	-	2.08*	-	2.15*
31	-AERIAL PART, FRESH, 39 TO	2-09-780	17.0	0.45*	-	0.45*	-	0.37*	-	0.37*
32	45 DAYS' GROWTH, CUT 5, (2)		100.0	2.65*	-	2.62*	-	2.17*	-	2.15*
33	-AERIAL PART, FRESH, 39 TO	2-09-781	19.0	0.50*	-	0.50*	-	0.41*	-	0.41*
34	45 DAYS' GROWTH, CUT 6, (2)		100.0	2.62*	-	2.62*	-	2.15*	-	2.15*
35	-AERIAL PART, FRESH, 39 TO	2-09-782	17.0	0.46*	-	0.45*	-	0.37*	-	0.37*
36	45 DAYS' GROWTH, CUT 7, (2)		100.0	2.68*	-	2.62*	-	2.20*	-	2.15*
37	-AERIAL PART, FRESH, 39 TO	2-09-783	19.0	0.47*	-	0.49*	-	0.38*	-	0.40*
38	45 DAYS' GROWTH, CUT 8, (2)		100.0	2.46*	-	2.59*	-	2.02*	-	2.13*
39	-AERIAL PART, FRESH, 46 TO 52 DAYS' GROWTH, (2)	2-11-629	89.3	-	-	2.58*	-	-	-	2.12*
40			100.0	-	-	2.89*	-	-	-	2.37*
41	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-09-942	22.0	0.44	-	-	-	0.36*	-	-
42			100.0	2.01	-	-	-	1.64*	-	-
43	-AERIAL PART, FRESH, 53 TO	2-09-784	16.0	0.41*	-	0.42*	-	0.33*	-	0.35*
44	59 DAYS' GROWTH, CUT 1, (2)		100.0	2.54*	-	2.63*	-	2.09*	-	2.16*
45	-AERIAL PART, FRESH, 53 TO	2-09-785	23.0	0.59*	-	0.60*	-	0.48*	-	0.49*
46	59 DAYS' GROWTH, CUT 2, (2)		100.0	2.57*	-	2.60*	-	2.10*	-	2.13*
47	-AERIAL PART, FRESH, 53 TO	2-09-786	30.0	0.72*	-	0.76*	-	0.59*	-	0.63*
48	59 DAYS' GROWTH, CUT 3, (2)		100.0	2.40*	-	2.55*	-	1.96*	-	2.09*
49	-AERIAL PART, FRESH, 53 TO	2-09-787	17.0	0.42*	-	0.44*	-	0.34*	-	0.36*
50	59 DAYS' GROWTH, CUT 4, (2)		100.0	2.45*	-	2.59*	-	2.01*	-	2.12*
51	-AERIAL PART, FRESH, 53 TO	2-09-788	20.0	0.42*	-	0.50*	-	0.35*	-	0.41*
52	59 DAYS' GROWTH, CUT 5, (2)		100.0	2.10*	-	2.48*	-	1.73*	-	2.03*
53	-AERIAL PART, FRESH, 53 TO	2-09-789	20.0	0.48*	-	0.51*	-	0.40*	-	0.42*
54	59 DAYS' GROWTH, CUT 6, (2)		100.0	2.42*	-	2.56*	-	1.99*	-	2.10*
55	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-09-741	-	-	-	-	-	-	-	-
56			100.0	2.27*	-	2.55*	-	1.86*	-	2.09*
57	-AERIAL PART, FRESH, 67 TO 73 DAYS' GROWTH, (2)	2-10-346	21.0	-	-	-	-	-	-	-
58			100.0	-	-	-	-	-	-	-
59	-AERIAL PART, FRESH, 81 TO 87 DAYS' GROWTH, (2)	2-10-093	-	-	-	-	-	-	-	-
60			100.0	1.94	-	-	-	1.59*	-	-
61	-AERIAL PART, FRESH, 109	2-10-349	20.0	-	-	-	-	-	-	-
62	TO 115 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
63	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-10-114	21.4	0.58*	-	0.58*	-	0.48*	-	0.47*
64			100.0	2.71*	-	2.69*	-	2.23*	-	2.21*
65	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-135	21.2	0.51*	-	0.52*	-	0.42*	-	0.43*
66			100.0	2.40*	-	2.46*	-	1.97*	-	2.02*
67	-AERIAL PART, FRESH,	2-10-351	75.3	1.85*	-	1.89*	-	1.52*	-	1.55*
68	JOINTING AND BOOTING, CUT 2, (2)		100.0	2.46*	-	2.51*	-	2.02*	-	2.06*
69	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-03-491	29.5	-	-	-	-	-	-	-
70			100.0	-	-	-	-	-	-	-
71	-AERIAL PART, FRESH, LATE BLOOM, (2)	2-10-408	26.0	0.65*	-	0.66*	-	0.53*	-	0.54*
72			100.0	2.48*	-	2.55*	-	2.04*	-	2.09*
73	-AERIAL PART, FRESH, RIPE SEED, (2)	2-05-662	-	-	-	-	-	-	-	-
74			100.0	-	-	2.67*	-	-	-	2.19*
75	-AERIAL PART, FRESH, CUT 1, (2)	2-10-547	22.8	0.60*	-	0.60*	-	0.49*	-	0.49*
76			100.0	2.63*	-	2.63*	-	2.15*	-	2.15*
77	-AERIAL PART, FRESH, CUT 2, (2)	2-10-386	24.8	0.59*	-	0.63*	-	0.48*	-	0.52*
78			100.0	2.37*	-	2.55*	-	1.94*	-	2.09*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.28*	0.16*	0.30*	13.*	-	12.*	-	-	2.1		2
02	-	-	1.42*	0.84*	1.54*	66.*	-	59.*	-	-	10.8	-	-
03	-	-	0.29*	0.15*	0.30*	14.*	-	14.*	-	-	2.7		1
04	-	-	1.27*	0.63*	1.32*	59.*	-	60.*	-	-	11.6	-	-
05	-	-	0.19*	0.09*	0.20*	9.*	-	10.*	-	-	2.4		1
06	-	-	1.22*	0.55*	1.25*	57.*	-	61.*	-	-	15.1	-	-
07	-	-	0.28*	0.09*	0.27*	13.*	-	14.*	-	-	2.3		2
08	-	-	1.10*	0.34*	1.06*	51.*	-	56.*	-	-	8.9	-	-
09	-	-	0.28*	0.17*	0.30*	13.*	-	12.*	-	-	2.3		1
10	-	-	1.46*	0.88*	1.59*	67.*	-	61.*	-	-	12.3	-	-
11	-	-	0.24*	0.13*	0.25*	11.*	-	11.*	-	-	2.2		1
12	-	-	1.33*	0.72*	1.41*	62.*	-	61.*	-	-	12.5	-	-
13	-	-	0.21*	0.08*	0.21*	10.*	-	11.*	-	-	2.4		1
14	-	-	1.15*	0.45*	1.15*	54.*	-	59.*	-	-	13.5	-	-
15	-	-	0.22*	0.09*	0.23*	11.*	-	11.*	-	-	2.4		1
16	-	-	1.18*	0.49*	1.19*	55.*	-	59.*	-	-	12.5	-	-
17	-	-	0.22*	0.09*	0.22*	10.*	-	11.*	-	-	2.1		1
18	-	-	1.20*	0.52*	1.22*	56.*	-	59.*	-	-	11.7	-	-
19	-	-	0.19*	0.09*	0.20*	9.*	-	9.*	-	-	2.4		1
20	-	-	1.26*	0.62*	1.31*	59.*	-	62.*	-	-	15.9	-	-
21	-	-	-	-	-	-	-	-	-	-	6.0		2
22	-	-	-	-	-	-	-	-	-	-	29.0	-	-
23	-	-	0.25*	0.14*	0.27*	12.*	-	12.*	-	-	2.4		1
24	-	-	1.32*	0.71*	1.40*	62.*	-	61.*	-	-	12.7	-	-
25	-	-	0.36*	0.23*	0.39*	16.*	-	13.*	-	-	2.2		1
26	-	-	1.62*	1.05*	1.78*	73.*	-	61.*	-	-	10.1	-	-
27	-	-	0.38*	0.20*	0.40*	18.*	-	17.*	-	-	2.6		1
28	-	-	1.30*	0.68*	1.37*	61.*	-	59.*	-	-	9.0	-	-
29	-	-	0.12*	0.06*	0.13*	6.*	-	6.*	-	-	1.2		1
30	-	-	1.23*	0.57*	1.27*	58.*	-	59.*	-	-	11.5	-	-
31	-	-	0.22*	0.11*	0.23*	10.*	-	10.*	-	-	1.7		1
32	-	-	1.29*	0.66*	1.35*	60.*	-	59.*	-	-	9.9	-	-
33	-	-	0.24*	0.12*	0.25*	11.*	-	11.*	-	-	2.0		1
34	-	-	1.27*	0.64*	1.33*	59.*	-	59.*	-	-	10.7	-	-
35	-	-	0.22*	0.12*	0.23*	10.*	-	10.*	-	-	1.7		1
36	-	-	1.30*	0.68*	1.38*	61.*	-	60.*	-	-	10.0	-	-
37	-	-	0.23*	0.10*	0.23*	11.*	-	11.*	-	-	2.1		1
38	-	-	1.19*	0.51*	1.21*	56.*	-	59.*	-	-	11.2	-	-
39	-	-	-	-	-	-	-	59.*	-	-	15.7		1
40	-	-	-	-	-	-	-	66.*	-	-	17.6	-	-
41	-	-	0.22*	0.02*	0.19*	-	-	-	-	-	2.3		3
42	-	-	0.98*	0.08*	0.85*	-	-	-	-	-	10.5	-	-
43	-	-	0.20*	0.09*	0.20*	9.*	-	10.*	-	-	2.0		1
44	-	-	1.23*	0.58*	1.27*	58.*	-	60.*	-	-	12.7	-	-
45	-	-	0.29*	0.14*	0.30*	13.*	-	14.*	-	-	2.4		1
46	-	-	1.24*	0.59*	1.29*	58.*	-	59.*	-	-	10.2	-	-
47	-	-	0.35*	0.14*	0.35*	16.*	-	17.*	-	-	2.7		1
48	-	-	1.16*	0.45*	1.16*	54.*	-	58.*	-	-	8.9	-	-
49	-	-	0.20*	0.08*	0.20*	9.*	-	10.*	-	-	1.7		1
50	-	-	1.18*	0.50*	1.20*	56.*	-	59.*	-	-	10.2	-	-
51	-	-	0.20*	0.04*	0.19*	10.*	-	11.*	-	-	1.4		1
52	-	-	1.02*	0.18*	0.93*	48.*	-	56.*	-	-	7.2	-	-
53	-	-	0.23*	0.09*	0.24*	11.*	-	12.*	-	-	1.7		1
54	-	-	1.17*	0.47*	1.18*	55.*	-	58.*	-	-	8.4	-	-
55	-	-	-	-	-	-	-	-	-	-	-		2
56	-	-	1.10*	0.33*	1.05*	51.*	-	58.*	-	-	7.9	-	-
57	-	-	-	-	-	-	-	-	-	-	2.4		1
58	-	-	-	-	-	-	-	-	-	-	11.2	-	-
59	-	-	-	-	-	-	-	-	-	-	-		2
60	-	-	0.96*	0.01*	0.80*	-	-	-	-	-	10.3	-	-
61	-	-	-	-	-	-	-	-	-	-	1.0		1
62	-	-	-	-	-	-	-	-	-	-	5.2	-	-
63	-	-	0.28*	0.15*	0.30*	13.*	-	13.*	-	-	2.1	25	7
64	-	-	1.32*	0.71*	1.40*	62.*	-	61.*	-	-	9.9	-	-
65	-	-	0.25*	0.10*	0.25*	12.*	-	12.*	-	-	1.9		1
66	-	-	1.16*	0.46*	1.16*	55.*	-	56.*	-	-	8.8	-	-
67	-	-	0.90*	0.38*	0.91*	42.*	-	43.	-	-	3.5		1
68	-	-	1.19*	0.51*	1.21*	56.*	-	57.	-	-	4.7	-	-
69	-	-	-	-	-	-	-	-	-	-	4.5		2
70	-	-	-	-	-	-	-	-	-	-	15.4	-	-
71	-	-	0.31*	0.14*	0.32*	15.*	-	15.*	-	-	1.5		1
72	-	-	1.20*	0.53*	1.22*	56.*	-	58.*	-	-	5.6	-	-
73	-	-	-	-	-	-	-	-	-	-	-	19	14
74	-	-	-	-	-	-	-	61.*	-	-	13.8	-	-
75	-	-	0.29*	0.15*	0.30*	14.*	-	14.*	-	-	2.4	7	4
76	-	-	1.27*	0.64*	1.34*	60.*	-	60.*	-	-	10.7	-	-
77	-	-	0.28*	0.11*	0.28*	13.*	-	14.*	-	-	2.5	36	6
78	-	-	1.14*	0.42*	1.13*	54.*	-	58.*	-	-	10.1	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.4*	1.3*	1.4*	-	-	5.8		2	1.0	-	-	-
02	7.0*	6.7*	7.0*	-	-	30.0	-	-	5.1	-	-	-
03	1.8*	1.7*	1.8*	-	-	6.6		1	0.7	-	-	-
04	7.8*	7.4*	7.8*	-	-	28.8	-	-	3.2	-	-	-
05	1.7*	1.7*	1.8*	-	-	4.8		1	0.6	-	-	-
06	10.7*	10.4*	11.1*	-	-	30.2	-	-	3.4	-	-	-
07	1.4*	1.3*	1.3*	-	-	8.3		1	1.1	-	-	-
08	5.5*	5.1*	5.3*	-	-	32.5	-	-	4.4	-	-	-
09	1.6*	1.5*	1.6*	-	-	5.3		1	0.8	-	-	-
10	8.3*	8.0*	8.4*	-	-	28.2	-	-	4.3	-	-	-
11	1.5*	1.5*	1.6*	-	-	5.3		1	0.7	-	-	-
12	8.5*	8.1*	8.6*	-	-	29.6	-	-	4.1	-	-	-
13	1.7*	1.6*	1.7*	-	-	5.9		1	0.5	-	-	-
14	9.4*	9.0*	9.6*	-	-	33.0	-	-	3.0	-	-	-
15	1.6*	1.6*	1.6*	-	-	6.0		1	0.7	-	-	-
16	8.5*	8.2*	8.7*	-	-	31.4	-	-	3.6	-	-	-
17	1.4*	1.3*	1.4*	-	-	5.4		1	0.6	-	-	-
18	7.8*	7.4*	7.9*	-	-	30.2	-	-	3.6	-	-	-
19	1.7*	1.7*	1.8*	-	-	4.3		1	0.7	-	-	-
20	11.4*	11.1*	11.8*	-	-	28.9	-	-	4.4	-	-	-
21	4.6*	4.6*	4.9*	-	-	32.0		1	2.9	1.70		1
22	22.5*	22.1*	24.0*	-	-	55.3	-	-	14.1	8.25	-	-
23	1.6*	1.6*	1.7*	-	-	4.9		1	0.6	-	-	-
24	8.7*	8.3*	8.8*	-	-	25.6	-	-	3.2	-	-	-
25	1.4*	1.3*	1.4*	-	-	5.6		1	0.9	-	-	-
26	6.5*	6.1*	6.4*	-	-	25.4	-	-	4.1	-	-	-
27	1.6*	1.5*	1.6*	-	-	8.5		1	1.1	-	-	-
28	5.5*	5.2*	5.4*	-	-	29.2	-	-	3.6	-	-	-
29	0.8*	0.7*	0.8*	-	-	3.0		1	0.3	-	-	-
30	7.7*	7.3*	7.7*	-	-	30.3	-	-	3.0	-	-	-
31	1.1*	1.0*	1.1*	-	-	5.0		1	0.6	-	-	-
32	6.3*	5.9*	6.2*	-	-	29.2	-	-	3.4	-	-	-
33	1.3*	1.3*	1.3*	-	-	5.7		1	0.7	-	-	-
34	7.0*	6.6*	6.9*	-	-	29.8	-	-	3.6	-	-	-
35	1.1*	1.0*	1.1*	-	-	5.1		1	0.6	-	-	-
36	6.4*	6.0*	6.3*	-	-	30.0	-	-	3.6	-	-	-
37	1.4*	1.3*	1.4*	-	-	6.1		1	0.5	-	-	-
38	7.4*	7.0*	7.4*	-	-	31.9	-	-	2.7	-	-	-
39	11.5*	11.1*	12.0*	-	-	32.3		1	4.4	-	-	-
40	12.8*	12.5*	13.4*	-	-	36.2	-	-	4.9	-	-	-
41	1.1	1.4*	1.5*	-	14.5	-	-	-	0.9	0.07		1
42	4.8	6.4*	6.8*	-	66.1	-	-	-	4.2	0.31	-	-
43	1.4*	1.3*	1.4*	-	-	4.8		1	0.4	-	-	-
44	8.7*	8.3*	8.8*	-	-	29.8	-	-	2.8	-	-	-
45	1.5*	1.4*	1.5*	-	-	7.1		1	0.9	-	-	-
46	6.6*	6.2*	6.5*	-	-	31.0	-	-	3.8	-	-	-
47	1.6*	1.5*	1.6*	-	-	9.6		1	0.9	-	-	-
48	5.4*	5.1*	5.3*	-	-	32.1	-	-	3.0	-	-	-
49	1.1*	1.1*	1.1*	-	-	5.5		1	0.6	-	-	-
50	6.6*	6.2*	6.5*	-	-	32.1	-	-	3.3	-	-	-
51	0.8*	0.7*	0.7*	-	-	7.5		1	0.6	-	-	-
52	4.0*	3.7*	3.7*	-	-	37.3	-	-	3.1	-	-	-
53	1.0*	0.9*	1.0*	-	-	6.4		[illegible]	[illegible]	-	-	-
54	5.0*	4.7*	4.8*	-	-	31.8	-	-	2.4	-	-	-
55	-	-	-	-	-	-		1	-	-	-	-
56	4.6*	4.2*	4.4*	-	-	37.4	-	-	3.4	-	-	-
57	1.6*	1.5*	1.6*	-	14.5	-	-	-	-	0.07		1
58	7.4*	7.0*	7.4*	-	68.9	-	-	-	-	0.33	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	4.1	6.3*	6.6*	-	70.0	-	-	-	3.3	-	-	-
61	0.5*	0.4*	0.4*	-	14.3	-	-	-	-	0.04		1
62	2.3*	1.9*	1.8*	-	71.5	-	-	-	-	0.21	-	-
63	1.4*	1.3*	1.3*	-	-	6.1		3	0.5	0.08	9	7
64	6.3*	6.0*	6.3*	-	-	28.3	-	-	2.5	0.37	-	-
65	1.1*	1.1*	1.1*	-	-	7.5		1	0.3	0.07		1
66	5.4*	5.0*	5.2*	-	-	35.2	-	-	1.6	0.35	-	-
67	1.4*	1.1*	2.4	-	-	23.0		1	1.0	0.26		1
68	1.9*	1.5*	3.1	-	-	30.5	-		1.3	0.35	-	-
69	3.2*	3.1*	3.3*	-	-	21.0		2	1.7	1.11		1
70	11.0*	10.6*	11.3*	-	-	71.1	-	-	5.7	3.76	-	-
71	0.7*	0.6*	0.6*	-	-	7.5		1	0.5	0.10		1
72	2.6*	2.3*	2.2*	-	-	28.9	-	-	1.8	0.38	-	-
73	-	-	-	-	-	-	9	14	-	-	32	13
74	9.6*	9.3*	9.9*	-	-	38.8	-	-	4.1	0.55	-	-
75	1.6*	1.5*	1.6*	-	-	7.5	2	4	0.9	0.06		3
76	7.0*	6.6*	6.9*	-	-	32.8	-	-	4.1	0.27	-	-
77	1.6*	1.5*	1.6*	-	-	8.1	13	6	[illegible]	0.10	42	6
78	6.4*	6.1*	6.4*	-	-	32.8	-	-	[illegible]	0.40	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	0.43		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	2.09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	0.05		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	0.24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	0.04		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	0.19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	0.03		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	0.16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	0.03	0.05	42	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	0.15	0.21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	0.07		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	0.31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	0.07		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	0.09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	0.33		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	1.12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	0.04		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	0.14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	27	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	0.79	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	0.11	10	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	0.49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	0.07	44	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	0.27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-AERIAL PART, FRESH, CUT 3, (2)	2-10-548	28.9	-	-	-	-	-	-	-
02			100.0	-	-	-	-	-	-	-
03	-AERIAL PART, FRESH, CUT 4, (2)	2-10-549	32.5	-	-	-	-	-	-	-
04			100.0	-	-	-	-	-	-	-
05	-AERIAL PART, FRESH, CUT 5, (2)	2-10-550	24.7	-	-	-	-	-	-	-
06			100.0	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH, CUT 6, (2)	2-11-635	25.1	0.66*	-	0.65*	-	0.54*	-	0.53*
08			100.0	2.64*	-	2.58*	-	2.16*	-	2.12*
09	-AERIAL PART, FRESH, CUT 7, (2)	2-11-636	21.9	0.48*	-	0.55*	-	0.39*	-	0.45*
10			100.0	2.18*	-	2.48*	-	1.79*	-	2.04*
11	-AERIAL PART, FRESH, CUT 8, (2)	2-11-637	29.8	0.70*	-	0.74*	-	0.58*	-	0.61*
12			100.0	2.36*	-	2.48*	-	1.93*	-	2.04*
13	-AERIAL PART, FRESH, CUT 9, (2)	2-11-638	24.2	0.56*	-	0.61*	-	0.46*	-	0.50*
14			100.0	2.30*	-	2.54*	-	1.88*	-	2.08*
15	-AERIAL PART, FRESH	2-10-365	29.4	0.80*	-	0.80*	-	0.65*	-	0.66*
16	CHOPPED FERTILIZED, 25 TO 31 DAYS'		100.0	2.71*	-	2.73*	-	2.22*	-	2.24*
17	GROWTH, (2)		-	-	-	-	-	-	-	-
18	-AERIAL PART, FRESH	2-10-368	20.1	0.49*	-	0.48*	-	0.40*	-	0.40*
19	CHOPPED FERTILIZED, 32 TO 38 DAYS'		100.0	2.43*	-	2.40*	-	2.00*	-	1.97*
20	GROWTH, (2)		-	-	-	-	-	-	-	-
21	-AERIAL PART, FRESH	2-10-366	29.1	0.75*	-	0.79*	-	0.61*	-	0.65*
22	CHOPPED FERTILIZED, 39 TO 45 DAYS'		100.0	2.57*	-	2.71*	-	2.11*	-	2.22*
23	GROWTH, (2)		-	-	-	-	-	-	-	-
24	-AERIAL PART, FRESH	2-10-370	17.2	0.44*	-	0.44*	-	0.36*	-	0.36*
25	CHOPPED FERTILIZED, 46 TO 52 DAYS'		100.0	2.54*	-	2.53*	-	2.08*	-	2.07*
26	GROWTH, (2)		-	-	-	-	-	-	-	-
27	-AERIAL PART, FRESH	2-10-369	22.9	0.60*	-	0.61*	-	0.49*	-	0.50*
28	CHOPPED FERTILIZED, 53 TO 59 DAYS'		100.0	2.61*	-	2.65*	-	2.14*	-	2.17*
29	GROWTH, (2)		-	-	-	-	-	-	-	-
30	-AERIAL PART, FRESH	2-10-371	23.7	0.57*	-	0.61*	-	0.47*	-	0.50*
31	CHOPPED FERTILIZED, 60 TO 66 DAYS'		100.0	2.40*	-	2.59*	-	1.97*	-	2.13*
32	GROWTH, (2)		-	-	-	-	-	-	-	-
33	-AERIAL PART, FRESH	2-10-367	31.9	0.79*	-	0.78*	-	0.65*	-	0.64*
34	CHOPPED FERTILIZED, 67 TO 73 DAYS'		100.0	2.47*	-	2.46*	-	2.03*	-	2.02*
35	GROWTH, (2)		-	-	-	-	-	-	-	-
36	-AERIAL PART, FRESH FERTILIZED, (2)	2-09-702	18.0	0.49*	-	0.48*	-	0.40*	-	0.39*
37			100.0	2.70*	-	2.67*	-	2.21*	-	2.19*
38	-AERIAL PART, FRESH	2-10-383	21.0	-	-	-	-	-	-	-
39	FERTILIZED, 18 TO 24 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
40	(2)		-	-	-	-	-	-	-	-
41	-AERIAL PART, FRESH	2-10-382	23.2	-	-	-	-	-	-	-
42	FERTILIZED, 25 TO 31 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
43	(2)		-	-	-	-	-	-	-	-
44	-AERIAL PART, FRESH	2-10-381	23.9	-	-	-	-	-	-	-
45	FERTILIZED, 32 TO 38 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
46	(2)		-	-	-	-	-	-	-	-
47	-AERIAL PART, FRESH	2-10-380	26.7	-	-	-	-	-	-	-
48	FERTILIZED, 39 TO 45 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
49	(2)		-	-	-	-	-	-	-	-
50	-AERIAL PART, FRESH	2-10-139	-	-	-	-	-	-	-	-
51	FERTILIZED, 39 TO 45 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
52	-AERIAL PART, FRESH	2-10-379	29.8	-	-	-	-	-	-	-
53	FERTILIZED, 46 TO 52 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
54	(2)		-	-	-	-	-	-	-	-
55	-AERIAL PART, FRESH	2-10-378	29.8	-	-	-	-	-	-	-
56	FERTILIZED, 53 TO 59 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
57	(2)		-	-	-	-	-	-	-	-
58	-AERIAL PART, FRESH	2-10-345	23.0	-	-	-	-	-	-	-
59	FERTILIZED, 53 TO 59 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
60	-AERIAL PART, FRESH	2-10-377	31.3	-	-	-	-	-	-	-
61	FERTILIZED, 60 TO 66 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
62	(2)		-	-	-	-	-	-	-	-
63	-AERIAL PART, FRESH	2-10-219	-	-	-	-	-	-	-	-
64	FERTILIZED, 60 TO 66 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
65	-AERIAL PART, FRESH	2-10-376	34.1	-	-	-	-	-	-	-
66	FERTILIZED, 67 TO 73 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
67	(2)		-	-	-	-	-	-	-	-
68	-AERIAL PART, FRESH	2-10-347	22.8	-	-	-	-	-	-	-
69	FERTILIZED, 67 TO 73 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
70	-AERIAL PART, FRESH	2-10-375	38.1	-	-	-	-	-	-	-
71	FERTILIZED, 74 TO 80 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
72	(2)		-	-	-	-	-	-	-	-
73	-AERIAL PART, FRESH	2-10-374	36.8	-	-	-	-	-	-	-
74	FERTILIZED, 81 TO 87 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
75	(2)		-	-	-	-	-	-	-	-
76	-AERIAL PART, FRESH	2-10-348	21.1	-	-	-	-	-	-	-
77	FERTILIZED, 81 TO 87 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	3.9	89	8
02	-	-	-	-	-	-	-	-	-	-	13.6	-	-
03	-	-	-	-	-	-	-	-	-	-	7.1	46	4
04	-	-	-	-	-	-	-	-	-	-	21.8	-	-
05	-	-	-	-	-	-	-	-	-	-	3.9		3
06	-	-	-	-	-	-	-	-	-	-	36.1	-	-
07	-	-	0.32*	0.16*	0.34*	15.*	-	15.*	-	-	2.1	23	4
08	-	-	1.20*	0.65*	1.35*	60.*	-	59.*	-	-	8.4	-	-
09	-	-	0.23*	0.06*	0.22*	11.*	-	12.*	-	-	1.6	7	4
10	-	-	1.06*	0.25*	0.99*	49.*	-	56.*	-	-	7.5	-	-
11	-	-	0.34*	0.12*	0.34*	16.*	-	17.*	-	-	1.9	5	4
12	-	-	1.14*	0.42*	1.12*	53.*	-	56.*	-	-	6.5	-	-
13	-	-	0.27*	0.09*	0.26*	13.*	-	14.*	-	-	2.2	26	4
14	-	-	1.11*	0.36*	1.08*	52.*	-	58.*	-	-	9.2	-	-
15	-	-	0.39*	0.21*	0.41*	18.*	-	18.*	-	-	3.8	26	10
16	-	-	1.32*	0.71*	1.40*	61.*	-	62.*	-	-	13.1	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	0.24*	0.10*	0.24*	11.*	-	11.*	-	-	1.6		3
19	-	-	1.18*	0.48*	1.18*	55.*	-	55.*	-	-	8.2	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	0.36*	0.17*	0.38*	17.*	-	18.*	-	-	3.1	34	14
22	-	-	1.24*	0.60*	1.29*	58.*	-	61.*	-	-	10.6	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	0.21*	0.10*	0.22*	10.*	-	10.*	-	-	2.0		2
25	-	-	1.23*	0.57*	1.27*	58.*	-	57.*	-	-	11.5	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	0.29*	0.14*	0.30*	14.*	-	14.*	-	-	2.3		3
28	-	-	1.27*	0.63*	1.32*	59.*	-	60.*	-	-	10.0	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	0.27*	0.11*	0.27*	13.*	-	14.*	-	-	2.2		1
31	-	-	1.16*	0.45*	1.16*	54.*	-	59.*	-	-	9.3	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	0.38*	0.16*	0.39*	18.*	-	18.*	-	-	2.3	22	4
34		-	1.20*	0.52*	1.22*	56.*	-	56.*	-	-	7.2	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	0.24*	0.13*	0.25*	11.*	-	11.*	-	-	2.2	21	40
37	-	-	1.31*	0.70*	1.39*	61.*	-	61.*	-	-	12.2	-	-
38	-	-	-	-	-	-	-	-	-	-	2.2	31	9
39	-	-	-	-	-	-	-	-	-	-	10.4	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	2.1	28	8
42	-	-	-	-	-	-	-	-	-	-	9.1	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	2.1	30	10
45	-	-	-	-	-	-	-	-	-	-	9.0	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	2.0	35	14
48	-	-	-	-	-	-	-	-	-	-	7.5	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-		3
51	-	-	-	-	-	-	-	-	-	-	10.3	-	-
52	-	-	-	-	-	-	-	-	-	-	1.8	41	14
53	-	-	-	-	-	-	-	-	-	-	6.1	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	2.0	33	7
56	-	-	-	-	-	-	-	-	-	-	6.6	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	2.9		3
59	-	-	-	-	-	-	-	-	-	-	12.6	-	-
60	-	-	-	-	-	-	-	-	-	-	1.8	36	11
61	-	-	-	-	-	-	-	-	-	-	5.6	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-		3
64	-	-	-	-	-	-	-	-	-	-	8.6	-	-
65	-	-	-	-	-	-	-	-	-	-	1.7	45	8
66	-	-	-	-	-	-	-	-	-	-	5.0	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	2.5	9	7
69	-	-	-	-	-	-	-	-	-	-	10.8	-	-
70	-	-	-	-	-	-	-	-	-	-	1.8	42	8
71	-	-	-	-	-	-	-	-	-	-	4.7	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	2.0	33	10
74	-	-	-	-	-	-	-	-	-	-	5.3	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	2.1	14	6
77	-	-	-	-	-	-	-	-	-	-	9.9	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	2.7*	2.6*	2.8*	-	-	15.4	83	8	1.3	0.13	49	8
02	9.5*	9.1*	9.7*	-	-	53.2	-	-	4.4	0.47	-	-
03	5.3*	5.2*	5.6*	-	-	33.9	18	4	2.4	0.19	36	4
04	16.5*	16.1*	17.3*	-	-	04.2	-	-	7.5	0.59	-	-
05	7.1*	7.0*	7.6*	-	-	30.0		3	3.3	0.24		3
06	28.6*	28.2*	30.7*	-	-	21.4	-	-	13.5	0.98	-	-
07	1.3*	1.2*	1.2*	-	-	7.8	1	4	0.9	0.08	14	4
08	5.0*	4.7*	4.8*	-	-	31.1	-	-	3.7	0.32	-	-
09	0.9*	0.8*	0.9*	-	-	7.8	2	4	0.7	0.06	11	4
10	4.2*	3.9*	3.9*	-	-	35.4	-	-	3.2	0.25	-	-
11	1.0*	0.9*	0.9*	-	-	9.9	1	4	1.1	0.10	15	4
12	3.4*	3.1*	3.1*	-	-	33.3	-	-	3.7	0.32	-	-
13	1.4*	1.3*	1.3*	-	-	8.3	3	4	0.7	0.06	14	4
14	5.7*	5.3*	5.5*	-	-	34.4	-	-	3.0	0.23	-	-
15	2.6*	2.5*	2.5	-	-	8.2	11	10	0.6	-	-	-
16	9.0*	8.6*	8.6	-	-	28.1	-	-	2.2	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	1.0*	0.9*	0.9	-	-	6.3		3	0.4	-	-	-
19	4.8*	4.5*	4.5	-	-	31.3	-	-	2.1	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	2.0*	1.9*	1.9	-	-	8.9	10	14	0.6	-	-	-
22	6.9*	6.5*	6.7	-	-	30.5	-	-	2.1	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	1.3*	1.3*	1.4	-	-	5.2		2	0.5	-	-	-
25	7.7*	7.3*	8.0	-	-	30.4	-	-	2.8	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	1.5*	1.4*	1.5	-	-	6.8		3	0.6	-	-	-
28	6.4*	6.0*	6.6	-	-	29.8	-	-	2.7	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	1.4*	1.3*	1.5	-	-	8.0		1	0.5	-	-	-
31	5.8*	5.4*	6.1	-	-	33.8	-	-	2.3	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	1.3*	1.2*	1.2	-	-	9.9	9	4	0.6	-	-	-
34	4.0*	3.7*	3.6	-	-	30.9	-	-	2.0	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	1.5*	1.4*	1.5*	-	-	5.4	8	40	0.7	-	-	-
37	8.2*	7.9*	8.3*	-	-	29.8	-	-	3.8	-	-	-
38	1.4*	1.3*	1.1	-	-	6.8	2	5	-	-	-	-
39	6.7*	6.4*	5.2	-	-	32.3	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	1.3*	1.2*	1.2	-	-	7.7	8	4	-	-	-	-
42	5.6*	5.2*	5.2	-	-	33.0	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	1.3*	1.2*	1.2	-	-	7.6	8	6	-	-	-	-
45	5.5*	5.2*	5.1	-	-	32.0	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	1.1*	1.0*	0.8	-	-	8.5	6	8	-	-	-	-
48	4.3*	3.9*	3.0	-	-	31.9	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	6.7*	6.3*	6.6*	-	-	-	-	-	-	-	-	-
52	0.9*	0.8*	0.6	-	-	9.3	7	8	-	-	-	-
53	3.1*	2.7*	1.9	-	-	31.3	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	1.0*	0.9*	0.8	-	-	9.3	7	5	-	-	-	-
56	3.5*	3.1*	2.6	-	-	31.2	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	2.0*	1.9*	2.0*	-	15.3	-	-	-	-	0.06		3
59	8.6*	8.2*	8.7*	-	66.5	-	-	-	-	0.25	-	-
60	0.9*	0.7*	0.6	-	-	10.1	5	9	-	-	-	-
61	2.6*	2.3*	1.9	-	-	32.2	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	5.2*	4.8*	5.0*	-	-	-	-	-	-	0.46	-	-
65	0.7*	0.6*	0.2	-	-	10.7	6	6	-	-	-	-
66	2.2*	1.8*	0.6	-	-	31.3	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	1.6*	1.5*	1.6*	-	16.1	-	-	-	-	0.07	7	7
69	7.1*	6.7*	7.0*	-	70.5	-	-	-	-	0.33	-	-
70	0.7*	0.6*	0.4	-	-	11.8	5	6	-	-	-	-
71	1.9*	1.5*	1.2	-	-	31.1	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	0.9*	0.8*	0.7*	-	-	11.4	4	6	-	-	-	-
74	2.4*	2.0*	1.9*	-	-	31.0	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	1.3*	1.3*	1.3*	-	15.5	-	-	-	-	0.07	26	6
77	6.3*	5.9*	6.2*	-	73.4	-	-	-	-	0.33	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	0.05	0.14	65	8	0.31	–	–	–	–	–	–	–	–	–	–	–	–	–
02	0.16	0.50	–	–	1.06	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	0.16	56	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	0.50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	0.24		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	0.97	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	0.08	21	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	0.32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	0.09	13	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	0.43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	0.13	16	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	0.42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	0.08	21	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	0.34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	0.06		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	0.25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	0.28	0.20	–	–	2.32	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	0.05	12	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	0.22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	0.05	7	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	0.24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH	2-10-373	37.2	-	-	-	-	-	-	-
02	FERTILIZED, 88 TO 94 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
03	(2)		-	-	-	-	-	-	-	-
04	-AERIAL PART, FRESH	2-10-372	33.5	-	-	-	-	-	-	-
05	FERTILIZED, 95 TO 101 DAYS' REGROWTH,		100.0	-	-	-	-	-	-	-
06	(2)		-	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH	2-10-350	20.4	-	-	-	-	-	-	-
08	FERTILIZED, 109 TO 115 DAYS' GROWTH,		100.0	-	-	-	-	-	-	-
09	(2)		-	-	-	-	-	-	-	-
10	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM, (2)	2-10-137	55.8	1.34*	-	1.43*	-	1.10*	-	1.17*
11			100.0	2.40*	-	2.56*	-	1.97*	-	2.10*
12	-AERIAL PART, FRESH FERTILIZED, MIDBLOOM, (2)	2-10-134	22.9	0.53*	-	0.58*	-	0.43*	-	0.48*
13			100.0	2.31*	-	2.55*	-	1.89*	-	2.09*
14	-AERIAL PART, FRESH	2-10-388	16.8	0.40*	-	0.42*	-	0.33*	-	0.35*
15	FERTILIZED, LATE BLOOM, CUT 1, (2)		100.0	2.41*	-	2.52*	-	1.97*	-	2.07*
16	-AERIAL PART, FRESH FERTILIZED, CUT 2, (2)	2-10-387	30.7	0.76*	-	0.78*	-	0.63*	-	0.64*
17			100.0	2.48*	-	2.55*	-	2.04*	-	2.09*
18	-LEAVES, FRESH, (2)	2-09-595	-	-	-	-	-	-	-	-
19			100.0	2.43*	-	2.53*	-	1.99*	-	2.08*
20	-AERIAL PART, ENSILED, (3)	3-03-495	90.5	2.02*	-	2.20*	-	1.65*	-	1.80*
21			100.0	2.23*	-	2.43*	-	1.83*	-	1.99*
22	-AERIAL PART, ENSILED, RIPE SEED, (3)	3-03-494	22.9	0.57*	-	0.59*	-	0.47*	-	0.48*
23			100.0	2.49*	-	2.56*	-	2.04*	-	2.10*
24	DIGITARIA ERIANTHA. FINGERGRASS, WOOLLY		-	-	-	-	-	-	-	-
25	-AERIAL PART, FRESH, (2)	2-10-484	22.2	0.59*	-	0.59*	-	0.48*	-	0.49*
26			100.0	2.64*	-	2.68*	-	2.17*	-	2.19*
27	DIGITARIA LONGIFLORA. CRABGRASS, LONGIFLORA		-	-	-	-	-	-	-	-
28	-AERIAL PART, FRESH, (2)	2-11-061	24.6	0.63*	-	0.64*	-	0.52*	-	0.53*
29			100.0	2.55*	-	2.62*	-	2.09*	-	2.15*
30	DIGITARIA MACROGLOSSA. CRABGRASS, MACROGLOSSA		-	-	-	-	-	-	-	-
31	-AERIAL PART, FRESH, (2)	2-11-057	25.2	0.63*	-	0.64*	-	0.52*	-	0.53*
32			100.0	2.51*	-	2.56*	-	2.06*	-	2.10*
33	DIGITARIA MILANGIANA. CRABGRASS, MILANGIANA		-	-	-	-	-	-	-	-
34	-AERIAL PART, FRESH, (2)	2-11-060	27.4	0.69*	-	0.70*	-	0.57*	-	0.57*
35			100.0	2.52*	-	2.56*	-	2.07*	-	2.10*
36	DIGITARIA PENTZII. FINGERGRASS, PENTZ		-	-	-	-	-	-	-	-
37	-AERIAL PART, FRESH, (2)	2-01-961	20.6	0.49*	-	0.51*	-	0.40*	-	0.41*
38			100.0	2.36*	-	2.79*	-	1.93*	-	2.29*
39	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-11-644	21.6	-	-	-	-	-	-	-
40			100.0	-	-	-	-	-	-	-
41	-AERIAL PART, FRESH,	2-11-643	30.2	-	-	-	-	-	-	-
42	116 TO 122 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
43	-AERIAL PART, FRESH,	2-11-642	38.5	-	-	-	-	-	-	-
44	179 TO 185 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
45	-AERIAL PART, FRESH,	2-11-641	46.2	-	-	-	-	-	-	-
46	235 TO 241 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
47	DIGITARIA POLEVANSII. CRABGRASS, POLEVANSII		-	-	-	-	-	-	-	-
48	-AERIAL PART, FRESH, (2)	2-11-059	24.3	-	-	-	-	-	-	-
49			100.0	-	-	-	-	-	-	-
50	DIGITARIA SANGUINALIS. CRABGRASS, HAIRY		-	-	-	-	-	-	-	-
51	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-01-669	26.3	0.61*	-	0.62*	-	0.50*	-	0.51*
52			100.0	2.34*	-	2.37*	-	1.92*	-	1.94*
53	DIGITARIA SETIVALVA. CRABGRASS, SETIVALVA		-	-	-	-	-	-	-	-
54	-AERIAL PART, FRESH, (2)	2-11-055	29.7	0.75*	-	0.77*	-	0.61*	-	0.63*
55			100.0	2.52*	-	2.59*	-	2.06*	-	2.13*
56	DIGITARIA SMUTSII. CRABGRASS, SMUTSII		-	-	-	-	-	-	-	-
57	-AERIAL PART, FRESH, (2)	2-11-062	25.6	0.61*	-	0.64*	-	0.50*	-	0.53*
58			100.0	2.39*	-	2.51*	-	1.96*	-	2.06*
59	-AERIAL PART, FRESH, CUT 4, (2)	2-11-639	58.4	1.07*	-	1.42*	-	0.88*	-	1.16*
60			100.0	1.83*	-	2.42*	-	1.50*	-	1.99*
61	DIGITARIA SWAZILANDENSIS. FINGERGRASS, SWAZILAND		-	-	-	-	-	-	-	-
62	-AERIAL PART, FRESH, (2)	2-11-645	26.1	0.64*	-	0.66*	-	0.53*	-	0.54*
63			100.0	2.46*	-	2.53*	-	2.02*	-	2.08*
64	DIGITARIA VALIDA. CRABGRASS, VALIDA		-	-	-	-	-	-	-	-
65	-HAY, S-C, (1)	1-11-063	92.3	1.89*	1.88*	1.91*	-	1.55*	1.55*	1.56*
66			100.0	2.05*	2.04*	2.07*	-	1.68*	1.67*	1.69*
67	-AERIAL PART, FRESH, (2)	2-11-058	26.6	0.65*	-	0.68*	-	0.54*	-	0.56*
68			100.0	2.46*	-	2.55*	-	2.02*	-	2.09*
69	-AERIAL PART, FRESH, CUT 4, (2)	2-11-640	83.1	-	-	1.50*	-	-	-	1.23*
70			100.0	-	-	1.80*	-	-	-	1.48*
71	DIOSCOREA ALATA. YAM, WINGED		-	-	-	-	-	-	-	-
72	-PEELINGS, COOKED, (1)	1-10-490	19.1	0.46*	0.31*	0.49*	-	0.38*	0.26*	0.40*
73			100.0	2.42*	1.63*	2.55*	-	1.99*	1.34*	2.09*
74	-PEELINGS, FRESH, (2)	2-10-491	26.0	0.81*	-	0.84*	-	0.66*	-	0.69*
75			100.0	3.11*	-	3.23*	-	2.55*	-	2.65*
76	-TUBER, COOKED, (4)	4-10-492	30.0	1.03*	-	1.14*	1160.*	0.85*	-	0.93*
77			100.0	3.45*	-	3.78*	3867.*	2.83*	-	3.10*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	1.6	53	5
02	-	-	-	-	-	-	-	-	-	-	4.3	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	1.8		2
05	-	-	-	-	-	-	-	-	-	-	5.3	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	1.1		3
08	-	-	-	-	-	-	-	-	-	-	5.3	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.65*	0.25*	0.65*	30.*	-	32.*	-	-	3.8	24	4
11	-	-	1.16*	0.46*	1.16*	54.*	-	58.*	-	-	6.7	-	-
12	-	-	0.26*	0.09*	0.25*	12.*	-	13.*	-	-	2.1		1
13	-	-	1.12*	0.37*	1.09*	52.*	-	58.*	-	-	9.2	-	-
14	-	-	0.20*	0.08*	0.20*	9.*	-	10.*	-	-	1.0		3
15	-	-	1.16*	0.46*	1.16*	55.*	-	57.*	-	-	5.7	-	-
16	-	-	0.37*	0.16*	0.33*	17.*	-	18.*	-	-	2.1	16	6
17	-	-	1.206	0.53*	1.22*	56.*	-	58.*	-	-	6.7	-	-
18	-	-	-	-	-	-	-	-	-	-	-	40	79
19	-	-	1.17*	0.48*	1.18*	55.*	-	57.*	-	-	9.4	-	-
20	-	-	0.58*	0.27*	0.93*	46.*	-	50.*	-	-	7.8		1
21	-	-	1.08*	0.30*	1.02*	51.*	-	55.*	-	-	8.6	-	-
22	-	-	0.28*	0.12*	0.28*	13.*	-	13.*	-	-	2.7		1
23	-	-	1.20*	0.53*	1.23*	56.*	-	58.*	-	-	11.7	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	0.29*	0.15*	0.30*	13.*	-	13.*	-	-	3.0		3
26	-	-	1.28*	0.66*	1.35*	60.*	-	61.*	-	-	13.5	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	0.30*	0.14*	0.31*	14.*	-	15.*	-	-	2.4		1
29	-	-	1.24*	0.53*	1.28*	58.*	-	59.*	-	-	9.6	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	0.31*	0.14*	0.31*	14.*	-	15.*	-	-	2.2		1
32	-	-	1.21*	0.55*	1.24*	57.*	-	58.*	-	-	8.9	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	0.33*	0.15*	0.34*	16.*	-	16.*	-	-	2.9	23	13
35	-	-	1.22*	0.56*	1.25*	57.*	-	58.*	-	-	10.4	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	0.23*	0.09*	0.23*	11.*	-	13.*	-	-	1.9	12	4
38	-	-	1.14*	0.42*	1.12*	53.*	-	63.*	-	-	9.4	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	2.4		1
49	-	-	-	-	-	-	-	-	-	-	9.8	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	0.30*	0.11*	0.29*	14.*	-	14.*	-	-	2.1		1
52	-	-	1.13*	0.40*	1.11*	53.*	-	54.*	-	-	8.1	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	0.36*	0.16*	0.37*	17.*	-	17.*	-	-	3.1	17	5
55	-	-	1.22*	0.55*	1.25*	57.*	-	59.*	-	-	10.4	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	0.30*	0.11*	0.29*	14.*	-	15.*	-	-	2.3	16	6
58	-	-	1.15*	0.44*	1.15*	54.*	-	57.*	-	-	8.9	-	-
59	-	-	0.53*	0.05*	0.42*	24.*	-	32.*	-	-	3.5		1
60	-	-	0.92*	0.09*	0.72*	42.*	-	55.*	-	-	5.9	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	0.31*	0.13*	0.31*	15.*	-	15.*	-	-	2.2		3
63	-	-	1.19*	0.51*	1.21*	56.*	-	57.*	-	-	8.5	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	0.92*	0.11*	0.81*	43.*	47.*	43.*	-	-	7.2		1
66	-	-	1.00*	0.12*	0.88*	46.*	51.*	47.*	-	-	7.8	-	-
67	-	-	0.32*	0.14*	0.32*	15.*	-	15.*	-	-	2.6	16	8
68	-	-	1.19*	0.51*	1.21*	56.*	-	58.*	-	-	9.8	-	-
69	-	-	-	-	-	-	-	34.*	-	-	3.4		1
70	-	-	-	-	-	-	-	41.*	-	-	4.1	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	
72	-	-	0.22*	0.09*	0.22*	10.*	8.*	11.*	-	-	2.4		1
73	-	-	1.17*	0.47*	1.18*	55.*	40.*	58.*	-	-	12.7	-	-
74	-	-	0.41*	0.26*	0.45*	18.*	-	19.*	-	-	3.4		2
75	-	-	1.56*	0.99*	1.72*	71.*	-	73.*	-	-	13.0	-	-
76	1114.*	-	0.54*	0.36*	0.59*	23.*	-	26.*	26.*	-	2.4		1
77	3713.*	-	1.80*	1.19*	1.98*	78.*	-	86.*	88.*	-	7.9	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	0.6*	0.4*	0.4*	-	-	11.5	7	4	-	-	-	-
02	1.5*	1.2*	1.0*	-	-	30.8	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	0.8*	0.7*	0.6*	-	-	13.0		1	-	-	-	-
05	2.4*	2.0*	1.9*	-	-	38.6	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	0.5*	0.4*	0.4*	-	15.2	-	-	-	-	0.05		3
08	2.4*	2.0*	1.9*	-	74.9	-	-	-	-	0.24	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	2.0*	1.0*	1.8*	-	-	18.1	7	4	1.0	0.13	17	4
11	3.6*	3.2*	3.3*	-	-	32.5	-	-	1.8	0.22	-	-
12	1.3*	1.2*	1.3*	-	-	8.3		1	0.5	0.03		1
13	5.7*	5.3*	5.6*	-	-	36.3	-	-	2.3	0.13	-	-
14	0.5*	0.4*	0.4*	-	-	5.2		3	0.3	0.05		3
15	2.7*	2.3*	2.3*	-	-	30.9	-	-	1.8	0.31	-	-
16	1.1*	1.0*	1.0*	-	-	8.7	2	6	0.7	0.15	25	6
17	3.6*	3.3*	3.3*	-	-	28.2	-	-	2.3	0.49	-	-
18	-	-	-	-	-	-	11	79	-	-	3	79
19	5.9*	5.5*	5.8*	-	-	33.2	-	-	1.9	0.28	-	-
20	3.7*	3.7*	3.7*	-	-	36.7		1	3.7	-	-	-
21	4.0*	4.0*	4.0*	-	-	40.6	-	-	4.1	-	-	-
22	1.6*	1.6*	1.6*	-	-	6.9		1	0.4	-	-	-
23	6.9*	6.9*	6.9*	-	-	29.9	-	-	1.9	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	2.1*	2.0*	2.1*	-	-	6.6		3	0.5	-	-	-
26	9.4*	9.0*	9.6*	-	-	29.8	-	-	2.3	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	1.5*	1.4*	1.5*	-	-	7.8		1	0.7	-	-	-
29	6.0*	5.7*	5.9*	-	-	31.6	-	-	3.0	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	1.4*	1.3*	1.3*	-	-	7.4		1	0.5	-	-	-
32	5.5*	5.1*	5.3*	-	-	29.5	-	-	1.8	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	1.3*	1.7*	1.8*	-	-	8.3	8	13	0.5	-	-	-
35	6.7*	6.4*	6.7*	-	-	30.3	-	-	1.8	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	1.2*	1.1*	1.2	-	-	7.0	4	4	0.5	-	-	-
38	5.9*	5.5*	5.8	-	-	34.2	-	-	2.4	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	1.5*	1.4*	1.5*	-	-	7.4		1	-	-	-	-
49	6.2*	5.9*	6.1*	-	-	30.3	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	1.3*	1.2*	1.2*	-	-	10.5		1	0.4	-	-	-
52	4.8*	4.4*	4.5*	-	-	39.9	-	-	1.6	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	2.0*	1.9*	2.0*	-	-	8.9	9	5	0.7	-	-	-
55	6.7*	6.4*	6.7*	-	-	29.8	-	-	2.4	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	1.4*	1.3*	1.4*	-	-	8.6	10	6	0.5	-	-	-
58	5.4*	5.1*	5.3*	-	-	33.7	-	-	1.9	-	-	-
59	1.7*	1.5*	1.5*	-	-	24.1		1	1.8	0.19		1
60	2.9*	2.6*	2.5*	-	-	41.3	-	-	3.1	0.32	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	1.3*	1.2*	1.3*	-	-	8.0		3	0.5	-	-	-
63	5.1*	4.7*	4.9*	-	-	30.5	-	-	1.9	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	3.4*	3.8*	3.3*	-	-	34.6		1	3.7			1
66	3.7*	4.2*	3.6*	-	-	37.5	-	-	4.0		-	-
67	1.7*	1.6*	1.6*	-	-	8.6	7	8	0.5	-	-	-
68	6.2*	5.9*	6.1*	-	-	32.3	-	-	1.9	-	-	-
69	1.2*	0.9*	0.7*	-	-	30.6		1	7.1	0.38		1
70	1.4*	1.1*	0.9*	-	-	36.8	-	-	8.5	0.46	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	1.9*	1.6*	1.5*	-	-	4.3		1	0.1	-	-	-
73	7.9*	8.3*	8.0*	-	-	22.4	-	-	0.7	-	-	-
74	2.3*	2.2*	2.4*	-	-	4.0		2	0.2	-	-	-
75	8.9*	8.6*	9.1*	-	-	15.4	-	-	0.6	-	-	-
76	1.0*	1.3*	1.3*	-	-	0.9		1	0.1	-	-	-
77	3.3*	4.5*	4.5*	-	-	3.1	-	-	0.4	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	0.04		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.20	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	0.02		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.05	19	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	3	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	0.23		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.23		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-TUBER, FRESH, (4)	4-10-493	23.9	0.79*	-	0.90*	907.*	0.65*	-	0.74*
02			100.0	3.31*	-	3.76*	3795.*	2.72*	-	3.08*
03	-TUBER WO PEEL, COOKED, (4)	4-10-496	26.8	0.93*	-	1.02*	1026.*	0.76*	-	0.84*
04			100.0	3.46*	-	3.82*	3828.*	2.84*	-	3.13*
05	-TUBER WO PEEL, FRESH, (4)	4-10-494	31.0	1.08*	-	-	1194.*	0.89*	-	-
06			100.0	3.49*	-	-	3852.*	2.86*	-	-
07	DIOSCOREA SPP. YAM		-	-	-	-	-	-	-	-
08	-ROOTS, FRESH, (4)	4-11-650	-	-	-	-	-	-	-	-
09			100.0	3.20*	-	3.75*	3755.*	2.62*	-	3.08*
10	DOLICHOS LABLAB. DOLICHOS, HYACINTH		-	-	-	-	-	-	-	-
11	-AERIAL PART W PODS, S-C, (1)	1-09-711	-	-	-	-	-	-	-	-
12			100.0	2.36*	-	2.39*	-	1.93*	-	1.96*
13	-HAY, S-C, (1)	1-01-805	91.5	2.53*	1.75*	2.26*	-	2.08*	1.43*	1.85*
14			100.0	2.77*	1.91*	2.47*	-	2.27*	1.57*	2.02*
15	-AERIAL PART, FRESH, (2)	2-09-703	18.4	-	-	-	-	-	-	-
16			100.0	-	-	-	-	-	-	-
17	-SEEDS W PODS, (4)	4-09-752	-	-	-	-	-	-	-	-
18			100.0	-	-	3.17*	-	-	-	2.60*
19	-SEEDS, (5)	5-09-753	-	-	-	-	-	-	-	-
20			100.0	3.98*	-	3.65*	-	3.26*	-	2.99*
21	DRIED APPLE POMACE (AAFCO)		-	-	-	-	-	-	-	-
22	-SEE MALUS SPP, PULP, DEHY GRND, (4)		-	-	-	-	-	-	-	-
23	DRIED BAKERY PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
24	-SEE BAKERY, REFUSE, DEHY GRND, MX		-	-	-	-	-	-	-	-
25	SALT DECLARED ABOVE 3.5%, (4)		-	-	-	-	-	-	-	-
26	DRIED BEET PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
27	-SEE BETA SACCHARIFERA SUGAR, PULP W		-	-	-	-	-	-	-	-
28	STEFFENS FILTRATE, DEHY, (4)		-	-	-	-	-	-	-	-
29	DRIED BEET PULP (AAFCO)		-	-	-	-	-	-	-	-
30	-SEE BETA SACCHARIFERA SUGAR, PULP,		-	-	-	-	-	-	-	-
31	DEHY, (4)		-	-	-	-	-	-	-	-
32	DRIED BUTTERMILK, FEED GRADE (AAFCO)		-	-	-	-	-	-	-	-
33	-SEE BOS SPP, BUTTERMILK, DEHY, FEED		-	-	-	-	-	-	-	-
34	GR MX 8% MOISTURE MX 13% ASH MN 5%		-	-	-	-	-	-	-	-
35	FAT, (5)		-	-	-	-	-	-	-	-
36	DRIED CITRUS MEAL (AAFCO)		-	-	-	-	-	-	-	-
37	-SEE CITRUS SPP, PULP FINES, SHREDDED		-	-	-	-	-	-	-	-
38	DEHY, (4)		-	-	-	-	-	-	-	-
39	DRIED CITRUS PULP (AAFCO)		-	-	-	-	-	-	-	-
40	-SEE CITRUS SPP, PULP WO FINES,		-	-	-	-	-	-	-	-
41	SHREDDED DEHY, (4)		-	-	-	-	-	-	-	-
42	DRIED FISH SOLUBLES (AAFCO)		-	-	-	-	-	-	-	-
43	-SEE FISH, STICKWATER SOLUBLES, COOKED		-	-	-	-	-	-	-	-
44	DEHY, MN 60% PROTEIN, (5)		-	-	-	-	-	-	-	-
45	DRIED MILK ALBUMIN (AAFCO)		-	-	-	-	-	-	-	-
46	-SEE BOS SPP, WHEY ALBUMIN, HEAT-AND		-	-	-	-	-	-	-	-
47	ACID-PRECIPITATED DEHY, MN 75%		-	-	-	-	-	-	-	-
48	PROTEIN, (5)		-	-	-	-	-	-	-	-
49	DRIED SKIMMED MILK, FEED GRADE (AAFCO)		-	-	-	-	-	-	-	-
50	-SEE BOS SPP, MILK, SKIMMED DEHY, MX		-	-	-	-	-	-	-	-
51	8% MOISTURE, (5)		-	-	-	-	-	-	-	-
52	DRIED TOMATO POMACE (AAFCO)		-	-	-	-	-	-	-	-
53	-SEE LYCOPERSICON ESCULENTUM, PULP,		-	-	-	-	-	-	-	-
54	DEHY, (5)		-	-	-	-	-	-	-	-
55	DRIED WHEY (AAFCO)		-	-	-	-	-	-	-	-
56	-SEE BOS SPP, WHEY, DEHY, MN 65%		-	-	-	-	-	-	-	-
57	LACTOSE, (4)		-	-	-	-	-	-	-	-
58	DRIED WHOLE MILK, FEED GRADE (AAFCO)		-	-	-	-	-	-	-	-
59	-SEE BOS SPP, MILK, DEHY, FEED GR MX		-	-	-	-	-	-	-	-
60	8% MOISTURE MN 26% FAT, (5)		-	-	-	-	-	-	-	-
61	DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
62	-SEE SACCHAROMYCES CEREVISIAE PRIMARY		-	-	-	-	-	-	-	-
63	SACCHAROMYCES, DEHY, MN 40% PROTEIN,		-	-	-	-	-	-	-	-
64	(7)		-	-	-	-	-	-	-	-
65	DYSSODIA MICROPOIDES. DOGWEED, MICROPOIDES		-	-	-	-	-	-	-	-
66	-BROWSE, FRESH, (2)	2-11-646	37.8	-	-	-	-	-	-	-
67			100.0	-	-	-	-	-	-	-
68	EAR CORN CHOP WITH HUSKS (AAFCO)		-	-	-	-	-	-	-	-
69	-SEE ZEA MAYS, EARS W HUSKS, GRND, (4)		-	-	-	-	-	-	-	-
70	EAR CORN CHOP (AAFCO)		-	-	-	-	-	-	-	-
71	-SEE ZEA MAYS, EARS, GRND, (4)		-	-	-	-	-	-	-	-
72	ECHINOCHLOA POLYSTACHYA. COCKSPUR, AFRICAN		-	-	-	-	-	-	-	-
73	WONDER		-	-	-	-	-	-	-	-
74	-HAY, S-C, (1)	1-11-345	94.6	2.13*	1.79*	2.16*	-	1.75*	1.46*	1.77*
75			100.0	2.26*	1.89*	2.28*	-	1.85*	1.55*	1.87*
76	ELAEIS GUINEENSIS. OILPALM, AFRICAN		-	-	-	-	-	-	-	-
77	-KERNELS W HULLS, MECH-EXTD, (5)	5-10-692	94.6	3.09*	-	2.94*	-	2.53*	-	2.41*
78			100.0	3.26*	-	3.11*	-	2.68*	-	2.55*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein (N×6.25) Coef. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	871.*	-	0.41*	0.27*	0.45*	18.*	-	20.*	21.*	-	2.2	8	4
02	3643.*	-	1.70*	1.12*	1.87*	75.*	-	85.*	86.*	-	9.2	-	-
03	985.*	-	0.48*	0.32*	0.53*	21.*	-	23.*	23.*	-	2.7		1
04	3675.*	-	1.81*	1.20*	1.99*	79.*	-	87.*	87.*	-	9.9	-	-
05	1146.*	-	0.57*	0.38*	0.62*	25.*	-	-	27.*	-	3.0		2
06	3698.*	-	1.83*	1.22*	2.01*	79.*	-	-	87.*	-	9.7	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-		1
09	3605.*	-	1.62*	1.05*	1.78*	73.*	-	85.*	85.*	-	9.5	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-		1
12	-	-	1.14*	0.42*	1.12*	53.*	-	54.*	-	-	13.8	-	-
13	-	-	1.24*	0.69*	1.32*	57.*	44.*	51.	-	-	18.4		2
14	-	-	1.35*	0.75*	1.42*	63.*	48.*	56.	-	-	20.2	-	-
15	-	-	-	-	-	-	-	-	-	-	5.4	98	11
16	-	-	-	-	-	-	-	-	-	-	29.6	-	-
17	-	-	-	-	-	-	-	-	-	-	-		1
18	-	-	-	-	-	-	-	72.*	-	-	22.2	-	-
19	-	-	-	-	-	-	-	-	-	-	-		1
20	-	-	2.24*	1.46*	2.39*	90.*	-	83.*	-	-	24.2	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	3.4		1
67	-	-	-	-	-	-	-	-	-	-	9.1	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	1.03*	0.31*	0.99*	48.*	44.*	49.*	-	-	13.2		1
75	-	-	1.09*	0.33*	1.05*	51.*	47.*	52.*	-	-	14.0	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	1.57*	1.03*	1.73*	70.*	-	67.*	-	-	20.2		1
78	-	-	1.66*	1.09*	1.83*	74.*	-	70.*	-	-	21.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.1*	1.4*	1.4*	-	-	0.8	45	4	0.1	0.10		1
02	4.5*	5.7*	5.7*	-	-	3.5	-	-	0.5	0.40	-	-
03	1.4*	1.7*	1.7*	-	-	0.6		1	0.1	-	-	-
04	5.1*	6.3*	6.3*	-	-	2.2	-	-	0.5	-	-	-
05	1.5*	1.9*	1.9*	-	-	1.0		2	0.1	-	-	-
06	4.9*	6.1*	6.1*	-	-	3.2	-	-	0.2	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-		1	-	-	-	-
09	4.7*	5.9*	5.9*	-	-	2.4	-	-	0.3	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-		1	-	-	-	-
12	8.9*	9.2*	8.9*	-	-	40.9	-	-	2.7	-	-	-
13	13.2*	13.4*	12.0	-	-	25.3		2	2.8	0.01		1
14	14.4*	14.6*	13.1	-	-	27.1	-	-	3.0	0.01	-	-
15	4.2*	4.2*	4.5*	-	-	6.6	52	11	1.3	0.92		1
16	23.0*	22.6*	24.5*	-	-	35.6	-	-	7.0	5.00	-	-
17	-	-	-	-	-	-		1	-	-	-	-
18	16.4*	17.6*	17.6*	-	-	14.7	-	-	2.8	-	-	-
19	-	-	-	-	-	-		1	-	-	-	-
20	-	-	-	-	-	8.9	-	-	1.5	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	2.1*	2.0*	2.1*	-	-	14.3		1	5.0	-	-	-
67	5.6*	5.3*	5.5*	-	-	37.8	-	-	13.1	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	8.5*	8.9*	8.6*	-	-	29.9		1	3.5	0.01		1
75	9.0*	9.4*	9.1*	-	-	31.6	-	-	3.7	0.01	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	22.9		1	10.2	0.20		1
78	-	-	-	-	-	24.2	-	-	10.8	0.21	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	–	0.05		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	0.23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–			1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	0.38		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	2.07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–			1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	0.69		1	–	–	–	–	6.6	–	–	100.0	–	–	–	–	–	–
78	–	0.73	–	–	–	–	–	–	7.0	–	–	162.8	–	–	–	–	–	–

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	ELEUSINE INDICA. GOOSEGRASS		-	-	-	-	-	-	-	-
02	-AERIAL PART, FRESH, (2)	2-10-435	-	-	-	-	-	-	-	-
03			100.0	-	-	-	-	-	-	-
04	ELODEA POTAMOGETON		-	-	-	-	-	-	-	-
05	-AERIAL PART, FRESH, (2)	2-11-667	-	-	-	-	-	-	-	-
06			100.0	1.56*	-	2.19*	-	1.28*	-	1.80*
07	ELYMUS CONDENSATUS. WILDRYE, GIANT		-	-	-	-	-	-	-	-
08	-AERIAL PART, FRESH, STEM CURED, (2)	2-07-995	-	-	-	-	-	-	-	-
09			100.0	-	-	-	-	-	-	-
10	ENGRAULIS SPP. FISH, ANCHOVY		-	-	-	-	-	-	-	-
11	-WHOLE OR CUTTINGS,	5-01-985	92.1	-	-	-	-	-	-	-
12	COOKED MECH-EXTD DEHY GRND, (5)		100.0	-	-	-	-	-	-	-
13	ENTEROLOBIUM CYCLOCARPUM. EARPODTREE, GUANACASTE		-	-	-	-	-	-	-	-
14	-FRUIT NO SEED, (4)	4-10-687	85.4	2.45*	-	2.92*	2565.*	2.01*	-	2.39*
15			100.0	2.87*	-	3.42*	3002.*	2.35*	-	2.80*
16	-SEEDS, (5)	5-10-686	88.7	3.13*	-	3.03*	-	2.57*	-	2.48*
17			100.0	3.53*	-	3.41*	-	2.90*	-	2.80*
18	ERAGROSTIS CURVULA. LOVEGRASS, WEEPING		-	-	-	-	-	-	-	-
19	-AERIAL PART, FRESH, (2)	2-02-677	35.7	0.78*	-	0.85*	-	0.64*	-	0.70*
20			100.0	2.18*	-	2.38*	-	1.78*	-	1.95*
21	-AERIAL PART,	2-10-642	-	-	-	-	-	-	-	-
22	FRESH, 4 TO 10 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
23	(2)		-	-	-	-	-	-	-	-
24	-AERIAL PART,	2-10-649	-	-	-	-	-	-	-	-
25	FRESH, 4 TO 10 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
26	(2)		-	-	-	-	-	-	-	-
27	-AERIAL PART,	2-10-643	-	-	-	-	-	-	-	-
28	FRESH, 11 TO 17 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
29	(2)		-	-	-	-	-	-	-	-
30	-AERIAL PART,	2-10-650	-	-	-	-	-	-	-	-
31	FRESH, 11 TO 17 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
32	(2)		-	-	-	-	-	-	-	-
33	-AERIAL PART,	2-10-644	-	-	-	-	-	-	-	-
34	FRESH, 18 TO 24 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
35	(2)		-	-	-	-	-	-	-	-
36	-AERIAL PART,	2-10-651	-	-	-	-	-	-	-	-
37	FRESH, 18 TO 24 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
38	(2)		-	-	-	-	-	-	-	-
39	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-10-661	-	-	-	-	-	-	-	-
40			100.0	-	-	-	-	-	-	-
41	-AERIAL PART,	2-10-645	-	-	-	-	-	-	-	-
42	FRESH, 25 TO 31 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
43	(2)		-	-	-	-	-	-	-	-
44	-AERIAL PART,	2-10-652	-	-	-	-	-	-	-	-
45	FRESH, 25 TO 31 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
46	(2)		-	-	-	-	-	-	-	-
47	-AERIAL PART,	2-10-646	-	-	-	-	-	-	-	-
48	FRESH, 32 TO 38 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
49	(2)		-	-	-	-	-	-	-	-
50	-AERIAL PART,	2-10-653	-	-	-	-	-	-	-	-
51	FRESH, 32 TO 38 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
52	(2)		-	-	-	-	-	-	-	-
53	-AERIAL PART,	2-10-647	-	-	-	-	-	-	-	-
54	FRESH, 39 TO 45 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
55	(2)		-	-	-	-	-	-	-	-
56	-AERIAL PART,	2-10-655	-	-	-	-	-	-	-	-
57	FRESH, 39 TO 45 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
58	(2)		-	-	-	-	-	-	-	-
59	-AERIAL PART,	2-10-648	-	-	-	-	-	-	-	-
60	FRESH, 46 TO 52 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
61	(2)		-	-	-	-	-	-	-	-
62	-AERIAL PART,	2-10-656	-	-	-	-	-	-	-	-
63	FRESH, 46 TO 52 DAYS' GROWTH, CUT 2,		100.0	-	-	-	-	-	-	-
64	(2)		-	-	-	-	-	-	-	-
65	-AERIAL PART, FRESH, CUT 1, (2)	2-10-657	35.7	-	-	-	-	-	-	-
66			100.0	-	-	-	-	-	-	-
67	-AERIAL PART, FRESH, CUT 2, (2)	2-10-659	41.9	-	-	-	-	-	-	-
68			100.0	-	-	-	-	-	-	-
69	-AERIAL PART, FRESH FERTILIZED, CUT 1, (2)	2-10-658	35.2	-	-	-	-	-	-	-
70			100.0	-	-	-	-	-	-	-
71	-AERIAL PART, FRESH FERTILIZED, CUT 2, (2)	2-10-660	42.0	-	-	-	-	-	-	-
72			100.0	-	-	-	-	-	-	-
73	ERAGROSTIS LUGENS. LOVEGRASS, MOURNING		-	-	-	-	-	-	-	-
74	-HAY, S-C, (1)	1-10-688	83.8	1.89*	1.38*	1.90*	-	1.55*	1.13*	1.56*
75			100.0	2.25*	1.64*	2.27*	-	1.85*	1.35*	1.86*
76	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-10-662	48.1	1.16*	-	1.20*	-	0.95*	-	0.99*
77			100.0	2.41*	-	2.50*	-	1.97*	-	2.05*

Ine No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-		-	-
02	-	-	-	-	-	-	-	-	-	-	-		1
03	-	-	-	-	-	-	-	-	-	-	28.4	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-		1
06	-	-	0.82*	0.41*	0.50*	35.*	-	50.*	-	-	13.0	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	64.7		1
12	-	-	-	-	-	-	-	-	-	-	70.2	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	2462.*	-	1.21*	0.71*	1.30*	56.*	-	66.*	58.*	-	9.0		3
15	2882.*	-	1.41*	0.83*	1.53*	65.*	-	78.*	68.*	-	10.5	-	-
16	-	-	1.65*	1.10*	1.81*	71.*	-	69.*	-	-	19.4	54	5
17	-	-	1.86*	1.24*	2.04*	80.*	-	77.*	-	-	21.8	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	0.38*	0.09*	0.35*	18.*	-	19.*	-	-	2.1		1
20	-	-	1.06*	0.25*	0.98*	49.*	-	54.*	-	-	5.9	-	-
21	-	-	-	-	-	-	-	-	-	-	-		2
22	-	-	-	-	-	-	-	-	-	-	13.2	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-		2
25	-	-	-	-	-	-	-	-	-	-	14.6	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-		2
28	-	-	-	-	-	-	-	-	-	-	12.7	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-		2
31	-	-	-	-	-	-	-	-	-	-	15.1	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-		2
34	-	-	-	-	-	-	-	-	-	-	13.2	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-		2
37	-	-	-	-	-	-	-	-	-	-	14.0	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-		1
40	-	-	-	-	-	-	-	-	-	-	12.3	-	-
41	-	-	-	-	-	-	-	-	-	-	-		3
42	-	-	-	-	-	-	-	-	-	-	13.8	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	2	4
45	-	-	-	-	-	-	-	-	-	-	13.7	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-		2
48	-	-	-	-	-	-	-	-	-	-	13.0	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-		2
51	-	-	-	-	-	-	-	-	-	-	13.2	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	7	4
54	-	-	-	-	-	-	-	-	-	-	12.6	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	3	4
57	-	-	-	-	-	-	-	-	-	-	13.1	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-		2
60	-	-	-	-	-	-	-	-	-	-	12.4	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-		2
63	-	-	-	-	-	-	-	-	-	-	12.5	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	3.4		1
66	-	-	-	-	-	-	-	-	-	-	9.6	-	-
67	-	-	-	-	-	-	-	-	-	-	3.9		1
68	-	-	-	-	-	-	-	-	-	-	9.2	-	-
69	-	-	-	-	-	-	-	-	-	-	6.3	98	15
70	-	-	-	-	-	-	-	-	-	-	17.1	-	-
71	-	-	-	-	-	-	-	-	-	-	4.0	7	14
72	-	-	-	-	-	-	-	-	-	-	9.5	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	0.91*	0.27*	0.88*	43.*	34.*	43.*	-	-	6.5		1
75	-	-	1.09*	0.32*	1.05*	51.*	40.*	52.*	-	-	7.7	-	-
76	-	-	0.56*	0.22*	0.56*	26.*	-	27.*	-	-	2.7		1
77	-	-	1.16*	0.46*	1.16*	55.*	-	57.*	-	-	5.6	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-		1	-	-	-	-
03	22.0*	21.6*	23.5*	-	-	28.3	-	-	1.7	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-		1	-	-	-	-
06	8.9*	8.6*	9.1*	-	-	12.2	-	-	1.4	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-		1
09	-	-	-	-	-	-	-	-	-	0.31	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	0.3		1	4.7	3.70	21	42
12	-	-	-	-	-	0.3	-	-	5.1	4.02	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	4.8*	5.9*	5.9*	-	-	15.0		3	0.6	0.21		3
15	5.7*	6.9*	6.9*	-	-	17.6	-	-	0.6	0.24	-	-
16	-	-	-	-	-	11.9	64	5	1.5	0.15		3
17	-	-	-	-	-	13.5	-	-	1.7	0.17	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	1.0*	0.9*	0.9*	-	-	14.1		1	0.5	-	-	-
20	2.9*	2.5*	2.5*	-	-	39.4	-	-	1.5	-	-	-
21	-	-	-	-	-	-	-	-	-	-		2
22	9.1*	8.7*	9.3*	-	-	-	-	-	-	0.23	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-		2
25	10.3*	10.0*	10.6*	-	-	-	-	-	-	0.22	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-		2
28	8.7*	8.4*	8.9*	-	-	-	-	-	-	0.30	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-		2
31	10.8*	10.4*	11.1*	-	-	-	-	-	-	0.21	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-		2
34	9.2*	8.8*	9.3*	-	-	-	-	-	-	0.29	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-		2
37	9.8*	9.4*	10.0*	-	-	-	-	-	-	0.22	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-		1
40	8.3*	8.0*	8.5*	-	-	-	-	-	-	0.25	-	-
41	-	-	-	-	-	-	-	-	-	-		3
42	9.6*	9.2*	9.9*	-	-	-	-	-	-	0.31	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	9	4
45	9.5*	9.1*	9.7*	-	-	-	-	-	-	0.26	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-		2
48	8.9*	8.6*	9.1*	-	-	-	-	-	-	0.34	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-		2
51	9.1*	8.7*	9.3*	-	-	-	-	-	-	0.25	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	13	4
54	8.6*	8.2*	8.0*	-	-	-	-	-	-	0.28	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	15	4
57	9.1*	8.7*	9.2*	-	-	-	-	-	-	0.26	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-		2
60	8.5*	8.1*	8.6*	-	-	-	-	-	-	0.31	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-		2
63	8.5*	8.1*	8.6*	-	-	-	-	-	-	0.25	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	2.2*	2.0*	2.1*	-	-	-	-	-	-	0.09		1
66	6.0*	5.7*	5.9*	-	-	-	-	-	-	0.25	-	-
67	2.4*	2.2*	2.3*	-	-	-	-	-	-	0.10		1
68	5.7*	5.3*	5.6*	-	-	-	-	-	-	0.23	-	-
69	4.4*	4.3*	4.6*	-	-	-	-	-	-	0.10	15	8
70	12.5*	12.1*	13.0*	-	-	-	-	-	-	0.28	-	-
71	2.5*	2.3*	2.4*	-	-	-	-	-	-	0.13	16	7
72	5.9*	5.6*	5.8*	-	-	-	-	-	-	0.30	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	3.0*	3.4*	2.9*	-	-	23.5		1	1.2	-	-	-
75	3.6*	4.1*	3.5*	-	-	28.0	-	-	1.4	-	-	-
76	1.3*	1.1*	1.1*	-	-	15.2		1	0.7	0.07		1
77	2.6*	2.3*	2.2*	-	-	31.5	-	-	1.5	0.14	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	0.24	2.42	23	42	0.69	-	-	-	-	-	-	-	-	-	0.57	4.91	1.93	0.73
12	0.26	2.62	-	-	0.75	-	-	-	-	-	-	-	-	-	0.62	5.33	2.09	0.79
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	0.08		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.26		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.19	0.22	-	-	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0.18	0.27	-	-	1.60	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.26	0.26	-	-	1.07	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.19	0.28	-	-	1.64	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.26	0.24	-	-	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	0.17	0.25	-	-	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	0.20	0.20	-	-	0.91	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	0.27	0.24	-	-	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	0.22	0.26	-	-	1.68	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	0.29	0.24	-	-	1.20	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	0.23	0.25	-	-	1.59	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	24	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	0.22	0.24	-	-	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	0.22	0.26	-	-	1.47	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	0.26	0.25	-	-	1.37	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	0.20	0.25	-	-	1.47	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	0.05	0.11		1	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-
66	0.13	0.30	-	-	1.48	-	-	-	-	-	-	-	-	-	-	-	-	-
67	0.04	0.09		1	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
68	0.09	0.22	-	-	1.20	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.05	0.10	12	8	0.64	-	-	-	-	-	-	-	-	-	-	-	-	-
70	0.15	0.28	-	-	1.81	-	-	-	-	-	-	-	-	-	-	-	-	-
71	0.06	0.11	16	7	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-
72	0.15	0.25	-	-	1.54	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse kcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	ERAGROSTIS SPP. LOVEGRASS		–	–	–	–	–	–	–	–
02	-AERIAL PART, FRESH, (2)	2-02-651	54.0	1.33*	–	1.41*	–	1.09*	–	1.16*
03			100.0	2.47*	–	2.61*	–	2.03*	–	2.14*
04	ERAGROSTIS SUPERBA. LOVEGRASS, SUPERBA		–	–	–	–	–	–	–	–
05	-AERIAL PART, FRESH, (2)	2-11-669	40.0	0.84*	–	0.98*	–	0.68*	–	0.81*
06			100.0	2.09*	–	2.46*	–	1.71*	–	2.02*
07	ERIACHLOA POLYSTACHYA. CUPGRASS, CARIB		–	–	–	–	–	–	–	–
08	-AERIAL PART,	2-10-664	21.5	0.58*	–	0.55*	–	0.47*	–	0.45*
09	FRESH, 11 TO 17 DAYS' GROWTH, CUT 23,		100.0	2.69*	–	2.54*	–	2.20*	–	2.08*
10	(2)		–	–	–	–	–	–	–	–
11	-AERIAL PART,	2-10-663	27.5	–	–	0.67*	–	–	–	0.55*
12	FRESH, 11 TO 17 DAYS' GROWTH, CUT 24,		100.0	–	–	2.44*	–	–	–	2.00*
13	(2)		–	–	–	–	–	–	–	–
14	ERIOCHLOA POLYSTACHYA. CUPGRASS, CARIB		–	–	–	–	–	–	–	–
15	-AERIAL PART, DEHY, (1)	1-10-691	90.7	2.02*	2.16*	1.92*	–	1.66*	1.77*	1.57*
16			100.0	2.23*	2.38*	2.11*	–	1.83*	1.95*	1.73*
17	-AERIAL PART, DEHY GRND, (1)	1-10-692	89.9	2.05*	1.64*	2.07*	–	1.68*	1.34*	1.70*
18			100.0	2.28*	1.82*	2.31*	–	1.87*	1.50*	1.89*
19	-AERIAL PART, FRESH, (2)	2-10-430	26.6	0.61*	–	0.66*	–	0.50*	–	0.54*
20			100.0	2.29*	–	2.49*	–	1.88*	–	2.04*
21	-AERIAL PART,	2-10-685	21.0	0.50*	–	0.53*	–	0.41*	–	0.43*
22	FRESH, 11 TO 17 DAYS' GROWTH, CUT 1,		100.0	2.40*	–	2.51*	–	1.97*	–	2.06*
23	(2)		–	–	–	–	–	–	–	–
24	-AERIAL PART,	2-10-654	22.5	–	–	0.56*	–	–	–	0.46*
25	FRESH, 11 TO 17 DAYS' GROWTH, CUT 2,		100.0	–	–	2.47*	–	–	–	2.03*
26	(2)		–	–	–	–	–	–	–	–
27	-AERIAL PART,	2-10-684	18.0	–	–	0.46*	–	–	–	0.37*
28	FRESH, 11 TO 17 DAYS' GROWTH, CUT 3,		100.0	–	–	2.53*	–	–	–	2.07*
29	(2)		–	–	–	–	–	–	–	–
30	-AERIAL PART,	2-10-683	28.0	0.68*	–	0.68*	–	0.56*	–	0.56*
31	FRESH, 11 TO 17 DAYS' GROWTH, CUT 4,		100.0	2.43*	–	2.45*	–	1.99*	–	2.01*
32	(2)		–	–	–	–	–	–	–	–
33	-AERIAL PART,	2-10-681	27.5	0.72*	–	0.73*	–	0.59*	–	0.60*
34	FRESH, 11 TO 17 DAYS' GROWTH, CUT 6,		100.0	2.63*	–	2.65*	–	2.16*	–	2.17*
35	(2)		–	–	–	–	–	–	–	–
36	-AERIAL PART,	2-10-680	23.0	0.59*	–	0.59*	–	0.48*	–	0.48*
37	FRESH, 11 TO 17 DAYS' GROWTH, CUT 7,		100.0	2.57*	–	2.55*	–	2.11*	–	2.10*
38	(2)		–	–	–	–	–	–	–	–
39	-AERIAL PART,	2-10-679	29.0	0.68*	–	0.71*	–	0.56*	–	0.58*
40	FRESH, 11 TO 17 DAYS' GROWTH, CUT 8,		100.0	2.34*	–	2.44*	–	1.92*	–	2.00*
41	(2)		–	–	–	–	–	–	–	–
42	-AERIAL PART,	2-10-678	25.0	0.62*	–	0.62*	–	0.51*	–	0.51*
43	FRESH, 11 TO 17 DAYS' GROWTH, CUT 9,		100.0	2.47*	–	2.47*	–	2.02*	–	2.03*
44	(2)		–	–	–	–	–	–	–	–
45	-AERIAL PART,	2-10-677	23.0	0.59*	–	0.58*	–	0.48*	–	0.48*
46	FRESH, 11 TO 17 DAYS' GROWTH, CUT 10,		100.0	2.57*	–	2.53*	–	2.11*	–	2.08*
47	(2)		–	–	–	–	–	–	–	–
48	-AERIAL PART,	2-10-675	17.5	0.46*	–	0.45*	–	0.38*	–	0.37*
49	FRESH, 11 TO 17 DAYS' GROWTH, CUT 12,		100.0	2.63*	–	2.58*	–	2.16*	–	2.11*
50	(2)		–	–	–	–	–	–	–	–
51	-AERIAL PART,	2-10-674	22.5	0.58*	–	0.57*	–	0.47*	–	0.47*
52	FRESH, 11 TO 17 DAYS' GROWTH, CUT 13,		100.0	2.56*	–	2.54*	–	2.10*	–	2.08*
53	(2)		–	–	–	–	–	–	–	–
54	-AERIAL PART,	2-10-673	25.0	0.64*	–	0.64*	–	0.52*	–	0.52*
55	FRESH, 11 TO 17 DAYS' GROWTH, CUT 14,		100.0	2.55*	–	2.56*	–	2.09*	–	2.10*
56	(2)		–	–	–	–	–	–	–	–
57	-AERIAL PART,	2-10-672	26.5	0.70*	–	0.70*	–	0.58*	–	0.57*
58	FRESH, 11 TO 17 DAYS' GROWTH, CUT 15,		100.0	2.65*	–	2.62*	–	2.17*	–	2.15*
59	(2)		–	–	–	–	–	–	–	–
60	-AERIAL PART,	2-10-671	17.5	0.47*	–	0.46*	–	0.38*	–	0.37*
61	FRESH, 11 TO 17 DAYS' GROWTH, CUT 16,		100.0	2.66*	–	2.60*	–	2.18*	–	2.13*
62	(2)		–	–	–	–	–	–	–	–
63	-AERIAL PART,	2-10-669	17.5	0.45*	–	0.43*	–	0.37*	–	0.35*
64	FRESH, 11 TO 17 DAYS' GROWTH, CUT 18,		100.0	2.60*	–	2.47*	–	2.13*	–	2.03*
65	(2)		–	–	–	–	–	–	–	–
66	-AERIAL PART,	2-10-668	16.0	0.43*	–	0.40*	–	0.35*	–	0.33*
67	FRESH, 11 TO 17 DAYS' GROWTH, CUT 19,		100.0	2.67*	–	2.52*	–	2.19*	–	2.06*
68	(2)		–	–	–	–	–	–	–	–
69	-AERIAL PART,	2-10-667	18.0	0.47*	–	0.46*	–	0.39*	–	0.38*
70	FRESH, 11 TO 17 DAYS' GROWTH, CUT 20,		100.0	2.64*	–	2.55*	–	2.16*	–	2.09*
71	(2)		–	–	–	–	–	–	–	–
72	-AERIAL PART,	2-10-665	21.0	0.54*	–	0.52*	–	0.44*	–	0.43*
73	FRESH, 11 TO 17 DAYS' GROWTH, CUT 22,		100.0	2.55*	–	2.49*	–	2.09*	–	2.04*
74	(2)		–	–	–	–	–	–	–	–
75	-AERIAL PART,	2-10-682	28.0	0.71*	–	0.72*	–	0.58*	–	0.59*
76	FRESH, 18 TO 24 DAYS' GROWTH, CUT 5,		100.0	2.52*	–	2.59*	–	2.07*	–	2.12*
77	(2)		–	–	–	–	–	–	–	–

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	0.65*	0.28*	0.66*	30.*	-	32.*	-	-	5.4		3
03	-	-	1.19*	0.51*	1.21*	56.*	-	59.*	-	-	10.0	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	0.41*	0.07*	0.37*	19.*	-	22.*	-	-	3.5		2
06	-	-	1.02*	0.16*	0.91*	47.*	-	56.*	-	-	8.8	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	0.28*	0.15*	0.30*	13.*	-	12.*	-	-	3.2		1
09	-	-	1.31*	0.69*	1.38*	61.*	-	58.*	-	-	14.8	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	15.*	-	-	3.5		1
12	-	-	-	-	-	-	-	55.*	-	-	12.6	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	0.98*	0.27*	0.93*	46.*	55.*	43.*	-	-	4.4		1
16	-	-	1.08*	0.30*	1.02*	51.*	60.*	48.*	-	-	4.9	-	-
17	-	-	0.99*	0.31*	0.95*	46.*	41.*	47.*	-	-	11.4		1
18	-	-	1.10*	0.34*	1.06*	52.*	45.*	52.*	-	-	12.7	-	-
19	-	-	0.30*	0.10*	0.29*	14.*	-	15.*	-	-	3.2	28	7
20	-	-	1.11*	0.36*	1.07*	52.*	-	57.*	-	-	12.1	-	-
21	-	-	0.24*	0.10*	0.24*	11.*	-	12.*	-	-	2.4		1
22	-	-	1.16*	0.45*	1.16*	54.*	-	57.*	-	-	11.6	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	13.*	-	-	3.1		1
25	-	-	-	-	-	-	-	56.*	-	-	13.7	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	10.*	-	-	2.8		1
28	-	-	-	-	-	-	-	57.*	-	-	15.4	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	0.33*	0.13*	0.33*	15.*	-	16.*	-	-	2.4		1
31	-	-	1.17*	0.48*	1.18*	55.*	-	55.*	-	-	8.5	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	0.35*	0.18*	0.37*	16.*	-	17.*	-	-	3.0		1
34	-	-	1.28*	0.65*	1.34*	60.*	-	60.*	-	-	11.0	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	0.29*	0.14*	0.30*	13.*	-	13.*	-	-	2.8		1
37	-	-	1.25*	0.60*	1.29*	58.*	-	58.*	-	-	12.1	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	0.33*	0.12*	0.32*	15.*	-	16.*	-	-	2.1		1
40	-	-	1.13*	0.40*	1.11*	53.*	-	55.*	-	-	7.3	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	0.30*	0.13*	0.30*	14.*	-	14.*	-	-	2.8		1
43	-	-	1.19*	0.51*	1.21*	56.*	-	56.*	-	-	11.2	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	0.29*	0.14*	0.30*	13.*	-	13.*	-	-	2.8		1
46	-	-	1.24*	0.60*	1.29*	58.*	-	57.*	-	-	12.2	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	0.22*	0.11*	0.23*	10.*	-	10.*	-	-	2.6		1
49	-	-	1.28*	0.65*	1.34*	60.*	-	58.*	-	-	15.0	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	0.28*	0.13*	0.29*	13.*	-	13.*	-	-	2.9		1
52	-	-	1.24*	0.59*	1.29*	58.*	-	58.*	-	-	13.1	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	0.31*	0.15*	0.32*	14.*	-	14.*	-	-	2.9		1
55	-	-	1.24*	0.59*	1.28*	58.*	-	58.*	-	-	11.6	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	0.34*	0.18*	0.36*	16.*	-	16.*	-	-	3.4		1
58	-	-	1.29*	0.66*	1.36*	60.*	-	60.*	-	-	12.8	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.23*	0.12*	0.24*	11.*	-	10.*	-	-	2.6		1
61	-	-	1.29*	0.67*	1.36*	60.*	-	59.*	-	-	14.7	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	0.22*	0.11*	0.23*	10.*	-	10.*	-	-	2.1		1
64	-	-	1.26*	0.62*	1.31*	59.*	-	56.*	-	-	12.2	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	0.21*	0.11*	0.22*	10.*	-	9.*	-	-	2.1		1
67	-	-	1.30*	0.67*	1.37*	60.*	-	57.*	-	-	13.0	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	0.23*	0.12*	0.24*	11.*	-	10.*	-	-	2.6		1
70	-	-	1.28*	0.65*	1.34*	60.*	-	58.*	-	-	14.2	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	0.26*	0.12*	0.27*	12.*	-	12.*	-	-	2.4		1
73	-	-	1.23*	0.58*	1.28*	58.*	-	56.*	-	-	11.4	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	0.34*	0.16*	0.35*	16.*	-	16.*	-	-	3.5		1
76	-	-	1.22*	0.56*	1.25*	57.*	-	59.*	-	-	12.6	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	3.5*	3.3*	3.4*	-	-	18.2		3	1.6			1
03	6.4*	6.0*	6.3*	-	-	33.7	-	-	3.0	0.01	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	2.1*	2.0*	2.1*	-	-	14.6		2	1.2	0.03		2
06	5.3*	5.0*	5.1*	-	-	36.6	-	-	2.9	0.08	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	2.3*	2.2*	2.3*	-	-	6.6		1	0.3	-	-	-
09	10.5*	10.1*	10.8*	-	-	30.6	-	-	1.3	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	2.4*	2.3*	2.4*	-	-	11.0		1	0.4	-	-	-
12	8.6*	8.2*	8.7*	-	-	40.2	-	-	1.6	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	1.0*	1.5*	0.8*	-	-	31.8		1	4.2	-	-	-
16	1.1*	1.6*	0.9*	-	-	35.1	-	-	4.6	-	-	-
17	7.1*	7.5*	7.1*	-	-	27.6		1	4.3	0.43		1
18	7.9*	8.3*	7.9*	-	-	30.7	-	-	4.8	0.48	-	-
19	2.2*	2.1*	2.2*	-	-	8.3	6	4	0.7	0.12	83	5
20	8.1*	7.8*	8.2*	-	-	31.1	-	-	2.6	0.44	-	-
21	1.6*	1.5*	1.6*	-	-	7.4		1	0.4	-	-	-
22	7.7*	7.4*	7.8*	-	-	35.2	-	-	2.1	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	2.1*	2.[illegible]*	2.2*	-	-	8.6		1	0.4	-	-	-
25	9.5*	9.1[illegible]	9.7*	-	-	38.0	-	-	1.7	-	-	-
26	-	-	-	-	-	-	-	-	[illegible]	-	-	-
27	2.0*	1.9*	2.0*	-	-	6.8		1	0.3	-	-	-
28	11.0*	10.6*	11.3*	-	-	37.8	-	-	1.7	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	1.4*	1.3*	1.4*	-	-	9.5		1	0.4	-	-	-
31	5.1*	4.7*	4.9*	-	-	33.9	-	-	1.5	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	2.0*	1.9*	2.0*	-	-	7.8		1	0.5	-	-	-
34	7.2*	6.9*	7.2*	-	-	28.3	-	-	1.8	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	1.9*	1.8*	1.9*	-	-	7.2		1	0.4	-	-	-
37	8.2*	7.8*	8.3*	-	-	31.3	-	-	1.6	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	1.2*	1.1*	1.1*	-	-	9.8		1	0.5	-	-	-
40	4.1*	3.7*	3.8*	-	-	33.9	-	-	1.7	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	1.9*	1.8*	1.9*	-	-	9.1		1	0.4	-	-	-
43	7.4*	7.0*	7.4*	-	-	36.5	-	-	1.7	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	1.9*	1.8*	1.9*	-	-	7.7		1	0.3	-	-	-
46	8.3*	7.9*	8.4*	-	-	33.6	-	-	1.5	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	1.9*	1.8*	1.9*	-	-	5.7		1	0.3	-	-	-
49	10.6*	10.3*	11.0*	-	-	32.5	-	-	1.7	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	2.0*	1.9*	2.1*	-	-	7.3		1	0.4	-	-	-
52	9.0*	8.7*	9.2*	-	-	32.4	-	-	1.7	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	1.9*	1.8*	2.0*	-	-	8.0		1	0.4	-	-	-
55	7.7*	7.4*	7.8*	-	-	31.9	-	-	1.6	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	2.3*	2.2*	2.4*	-	-	7.5		1	0.4	-	-	-
58	8.8*	8.4*	8.9*	-	-	28.2	-	-	1.5	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	1.8*	1.8*	1.9*	-	-	5.0		1	0.3	-	-	-
61	10.4*	10.0*	10.7*	-	-	28.5	-	-	1.5	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	1.4*	1.4*	1.5*	-	-	6.1		1	0.2	-	-	-
64	8.3*	7.9*	8.4*	-	-	3[illegible].1	-	-	1.4	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	1.4*	1.4*	1.5*	-	-	5.2		1	0.2	-	-	-
67	8.9*	8.6*	9.1*	-	-	32.4	-	-	1.2	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	1.8*	1.7*	1.8*	-	-	5.6		1	0.3	-	-	-
70	10.0*	9.6*	10.2*	-	-	31.0	-	-	1.5	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	1.6*	1.5*	1.6*	-	-	6.6		1	0.3	-	-	-
73	7.6*	7.2*	7.6*	-	-	31.4	-	-	1.5	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	2.4*	2.3*	2.4*	-	-	9.0		1	0.6	-	-	-
76	8.6*	8.2*	8.7*	-	-	32.1	-	-	2.1	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.08		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.24		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	0.05	33	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART,	2-10-676	19.5	0.52*	-	0.50*	-	0.42*	-	0.41*
02	FRESH, 18 TO 24 DAYS' GROWTH, CUT 11,		100.0	2.64*	-	2.55*	-	2.17*	-	2.09*
03	(2)		-	-	-	-	-	-	-	-
04	-AERIAL PART,	2-10-670	27.5	0.72*	-	0.71*	-	0.59*	-	0.58*
05	FRESH, 18 TO 24 DAYS' GROWTH, CUT 17,		100.0	2.62*	-	2.58*	-	2.15*	-	2.12*
06	(2)		-	-	-	-	-	-	-	-
07	-AERIAL PART,	2-10-666	15.0	0.40*	-	0.37*	-	0.32*	-	0.31*
08	FRESH, 32 TO 38 DAYS' GROWTH, CUT 21,		100.0	2.63*	-	2.50*	-	2.16*	-	2.05*
09	(2)		-	-	-	-	-	-	-	-
10	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-11-377	27.7	-	-	-	-	-	-	-
11			100.0	-	-	-	-	-	-	-
12	ERODIUM CICUTARIUM. ALFILERIA		-	-	-	-	-	-	-	-
13	-AERIAL PART, FRESH, (2)	2-10-693	-	-	-	-	-	-	-	-
14			100.0	-	-	-	-	-	-	-
15	EUCHLAENA MEXICANA. TEOSINTE, MEXICAN		-	-	-	-	-	-	-	-
16	-AERIAL PART, DEHY, (1)	1-10-689	95.9	2.45*	1.93*	2.32*	-	2.01*	1.50*	1.91*
17			100.0	2.55*	2.01*	2.42*	-	2.09*	1.65*	1.99*
18	-AERIAL PART, FRESH, (2)	2-10-500	26.2	0.87*	-	0.75*	-	0.71*	-	0.62*
19			100.0	3.31*	-	2.88*	-	2.71*	-	2.36*
20	EUPHORBIA LANCIFOLIA. IXBUT		-	-	-	-	-	-	-	-
21	-AERIAL PART, DEHY, (1)	1-11-673	90.8	-	1.40*	2.58*	-	-	1.15*	2.11*
22			100.0	-	1.55*	2.84*	-	-	1.27*	2.33*
23	EUPHORBIA POSTRATA		-	-	-	-	-	-	-	-
24	-BROWSE, FRESH, (2)	2-11-666	49.8	-	-	1.26*	-	-	-	1.04*
25			100.0	-	-	2.53*	-	-	-	2.08*
26	FAGOPYRUM SPP. BUCKWHEAT		-	-	-	-	-	-	-	-
27	-GRAIN W ADDED HULLS, HIGH GR, (1)	1-08-003	89.3	2.78*	0.76*	2.31*	-	2.28*	0.62*	1.90*
28			100.0	3.11*	0.85*	2.59*	-	2.55*	0.69*	2.13*
29	-GRAIN W ADDED HULLS, LOW GR, (1)	1-08-002	88.3	2.37*	1.58*	1.45*	-	1.94*	1.29*	1.19*
30			100.0	2.68*	1.79*	1.64*	-	2.20*	1.47*	1.34*
31	-GRAIN, (4)	4-00-994	87.5	2.84*	-	2.71*	2965.*	2.33*	-	2.22*
32			100.0	3.25*	-	3.10*	3391.*	2.66*	-	2.54*
33	-FLOUR BY-PRODUCT WO HULLS,	5-00-991	88.7	3.14*	-	3.34*	-	2.58*	-	2.74*
34	COARSE SIFT, MX 10% FIBER, (5)		100.0	3.54*	-	3.76*	-	2.90*	-	3.09*
35	BUCKWHEAT MIDDLINGS (AAFCO)		-	-	-	-	-	-	-	-
36	FAGOPYRUM SPP, TRITICUM SPP. BUCKWHEAT-WHEAT		-	-	-	-	-	-	-	-
37	-TRITICUM SPP, GRAIN, 80%	4-11-672	89.3	3.26*	-	3.43*	3489.*	2.67*	-	2.81*
38	BUCKWHEAT W 20% WHEAT, (4)		100.0	3.65*	-	3.84*	3907.*	2.99*	-	3.15*
39	FAGOPYRUM TATARICUM. BUCKWHE... TARTARY		-	-	-	-	-	-	-	-
40	-GRAIN, (4)	4-00-996	88.3	2.90*	-	2.73*	3199.*	2.38*	-	2.24*
41			100.0	3.2[illegible]*	-	3.09*	3623.*	2.69*	-	2.54*
42	FARINA		-	-	-	-	-	-	-	-
43	-SEE TRITICUM SPP, GRITS, CRACKED FINE		-	-	-	-	-	-	-	-
44	SCREENED, (4)		-	-	-	-	-	-	-	-
45	FEATHER MEAL		-	-	-	-	-	-	-	-
46	-SEE POULTRY, FEATHERS, HYDROLYZED		-	-	-	-	-	-	-	-
47	DEHY GRND, MN 75% OF PROTEIN		-	-	-	-	-	-	-	-
48	DIGESTIBLE, (5)		-	-	-	-	-	-	-	-
49	FEEDING OAT MEAL (AAFCO)		-	-	-	-	-	-	-	-
50	-SEE AVENA SATIVA, CEREAL BY-PRODUCT,		-	-	-	-	-	-	-	-
51	MX 4% FIBER, (4)		-	-	-	-	-	-	-	-
52	FEED SCREENINGS NO 1		-	-	-	-	-	-	-	-
53	-SEE GRAINS, SCREENINGS, GR 1 MN 35%		-	-	-	-	-	-	-	-
54	GRAIN MX 7% FIBER MX 6% FOREIGN		-	-	-	-	-	-	-	-
55	MATERIAL MX 8% WILD OATS, (4)		-	-	-	-	-	-	-	-
56	FEED SCREENINGS NO 2		-	-	-	-	-	-	-	-
57	-SEE GRAINS, SCREENINGS, GR 2 MX 11%		-	-	-	-	-	-	-	-
58	FIBER MX 10% FOREIGN MATERIAL MX 49%		-	-	-	-	-	-	-	-
59	WILD OATS, (4)		-	-	-	-	-	-	-	-
60	FESCUE FORAGE, TALL		-	-	-	-	-	-	-	-
61	-SEE FESTUCA ELATIOR MEADOW, AERIAL		-	-	-	-	-	-	-	-
62	PART, FRESH, (2)		-	-	-	-	-	-	-	-
63	FESCUE HAY, TALL		-	-	-	-	-	-	-	-
64	-SEE FESTUCA ELATIOR MEADOW, HAY, S-C,		-	-	-	-	-	-	-	-
65	(1)		-	-	-	-	-	-	-	-
66	FESTUCA ARUNDINACEA. FESCUE, ALTA		-	-	-	-	-	-	-	-
67	-HAY, S-C, 25 TO 31 DAYS' GROWTH, (1)	1-10-694	-	-	-	-	-	-	-	-
68			100.0	2.99*	0.84*	2.94*	-	2.45*	0.69*	2.41*
69	-HAY, S-C FERTILIZED, 53 TO 59 DAYS' GROWTH, (1)	1-10-695	-	-	-	-	-	-	-	-
70			100.0	-	-	-	-	-	-	-
71	-HAYS, S-C	1-10-612	-	-	-	-	-	-	-	-
72	FERTILIZED, 25 TO 31 DAYS' GROWTH, (1)		100.0	-	-	-	-	-	-	-
73	-HAY, 39 TO 45 DAYS' GROWTH, (1)	1-10-696	-	-	-	-	-	-	-	-
74			100.0	-	-	-	-	-	-	-
75	-AERIAL PART, FRESH, (2)	2-01-889	23.9	0.67*	-	0.65*	-	0.55*	-	0.53*
76			100.0	2.80*	-	2.71*	-	2.29*	-	2.22*
77	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-240	19.2	0.50*	-	0.50*	-	0.41*	-	0.41*
78			100.0	2.61*	-	2.62*	-	2.14*	-	2.15*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01		-	0.25*	0.13*	0.26*	12.*	-	11.*	-	-	2.7		1
02	-	-	1.28*	0.66*	1.35*	60.*	-	58.*	-	-	13.7	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.35*	0.18*	0.37*	16.*	-	16.*	-	-	3.8		1
05	-	-	1.27*	0.64*	1.33*	59.*	-	59.*	-	-	13.7	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	0.19*	0.10*	0.20*	9.*	-	8.*	-	-	2.3		1
08	-	-	1.28*	0.65*	1.34*	60.*	-	57.*	-	-	15.0	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	2.0		1
11	-	-	-	-	-	-	-	-	-	-	7.3	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	26	7
14	-	-	-	-	-	-	-	-	-	-	15.8	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	1.18*	0.56*	1.22*	55.*	48.*	53.*	-	-	7.6		1
17	-	-	1.23*	0.58*	1.28*	58.*	50.*	55.*	-	-	7.9	-	-
18	-	-	0.44*	0.29*	0.49*	20.*	-	17.*	-	-	2.5		1
19	-	-	1.70*	1.11*	1.87*	75.*	-	65.*	-	-	9.5	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	34.*	58.*	-	-	12.0		1
22	-	-	-	-	-	-	38.*	64.*	-	-	13.2	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	29.*	-	-	3.5		1
25	-	-	-	-	-	-	-	57.*	-	-	7.0	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	1.39*	0.80*	1.53*	63.*	17.*	52.*	-	-	18.5		1
28	-	-	1.56*	0.99*	1.71*	70.*	18.*	59.*	-	-	20.7	-	-
29	-	-	1.15*	0.60*	1.22*	54.*	39.*	33.*	-	-	13.3		1
30	-	-	1.30*	0.68*	1.38*	61.*	44.*	37.*	-	-	15.1	-	-
31	2415.*	2695.	1.45*	0.94*	1.59*	64.*	62.	61.	67.	-	10.9	8	6
32	2762.*	3082.	1.65*	1.08*	1.82*	74.*	71.	70.	77.	-	12.5	-	-
33	-	-	1.66*	1.10*	1.82*	71.*	-	76.*	-	-	23.7		1
34	-	-	1.87*	1.25*	2.05*	80.*	-	85.*	-	-	33.5	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	3350.*	-	1.74*	1.16*	1.91*	74.*	-	78.*	79.*	-	8.2		1
38	3751.*	-	1.95*	1.30*	2.13*	83.*	-	87.*	89.*	-	9.2	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	3071.*	-	1.48*	0.97*	1.63*	66.*	-	62.*	73.*	-	9.1		2
41	3478.*	-	1.68*	1.10*	1.85*	74.*	-	70.*	82.*	-	10.3	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-		3
68	-	-	1.49*	0.91*	1.62*	68.*	18.*	67.*	-	-	24.6	-	-
69	-	-	-	-	-	-	-	-	-	-	-		3
70	-	-	-	-	-	-	-	-	-	-	13.3	-	-
71	-	-	-	-	-	-	-	-	-	-	-		3
72	-	-	-	-	-	-	-	-	-	-	16.9	-	-
73	-	-	-	-	-	-	-	-	-	-	-		3
74	-	-	-	-	-	-	-	-	-	-	15.4	-	-
75	-	-	0.33*	0.19*	0.35*	15.*	-	15.*	-	-	2.8		1
76	-	-	1.37*	0.77*	1.47*	63.*	-	61.*	-	-	11.6	-	-
77	-	-	0.24*	0.12*	0.25*	11.*	-	11.*	-	-	2.0		1
78	-	-	1.27*	0.63*	1.32*	59.*	-	59.*	-	-	10.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.9*	1.8*	1.9*	-	-	6.2		1	0.3	-	-	-
02	9.5*	9.2*	9.8*	-	-	31.8	-	-	1.4	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	2.6*	2.5*	2.7*	-	-	8.4		1	0.4	-	-	-
05	9.5*	9.2*	9.8*	-	-	30.7	-	-	1.6	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	1.6*	1.5*	1.6*	-	-	5.0		1	0.2	-	-	-
08	10.6*	10.3*	11.0*	-	-	33.1	-	-	1.6	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	1.1*	1.0*	1.1*	-	16.5	8.6		1	0.7	-	-	-
11	4.1*	3.7*	3.0*	-	59.7	31.1	-	-	2.6	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	11.3*	10.9*	11.7*	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	3.6*	4.1*	3.5*	-	-	21.6		1	3.1	0.64		1
17	3.8*	4.3*	3.7*	-	-	22.5	-	-	3.2	0.67	-	-
18	1.6*	1.5*	1.5*	-	-	6.0		1	0.8	-	-	-
19	6.0*	5.6*	5.8*	-	-	23.0	-	-	2.9	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	7.6*	7.9*	7.6*	-	-	16.2		1	5.9	1.57		1
22	8.4*	8.8*	8.4*	-	-	17.8	-	-	6.5	1.73	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	1.9*	1.7*	1.7*	-	-	7.9		1	3.6	-	-	-
25	3.8*	3.5*	3.5*	-	-	15.8	-	-	7.2	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	13.3*	13.5*	13.5*	-	-	18.2		1	4.9	-	-	-
28	14.9*	15.1*	15.2*	-	-	20.4	-	-	5.5	-	-	-
29	8.9*	9.1*	8.9*	-	-	28.6		1	3.4	-	-	-
30	10.0*	10.3*	10.1*	-	-	32.4	-	-	3.9	-	-	-
31	6.5*	7.1	7.9	7.9	-	10.9	16	7	2.5	0.08		3
32	7.5*	8.1	9.0	9.0	-	12.5	-	-	2.8	0.09	-	-
33	-	-	25.8	-	-	7.4		1	7.3	-	-	-
34	-	-	29.1	-	-	8.3	-	-	8.2	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	4.0*	5.1*	5.1*	-	-	2.9		1	0.4	-	-	-
38	4.5*	5.7*	5.7*	-	-	3.2	-	-	0.5	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	4.8*	5.9*	5.9*	-	-	7.2		2	3.2	0.09		1
41	5.4*	6.6*	6.6*	-	-	8.1	-	-	3.6	0.10	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-		3	-	-	-	-
68	18.2*	18.4*	18.6*	-	-	17.9	-	-	4.9	-	-	-
69	-	-	-	-	-	-		3	-	-	-	-
70	8.4*	8.8*	8.5*	-	-	28.0	-	-	-	-	-	-
71	-	-	-	-	-	-		3	-	-	-	-
72	11.5*	11.8*	11.7*	-	-	27.9	-	-	-	-	-	-
73	-	-	-	-	-	-		3	-	-	-	-
74	10.2*	10.6*	10.4*	-	-	27.6	-	-	-	-	-	-
75	1.9*	1.8*	1.9*	-	-	7.1		1	0.8	-	-	-
76	7.7*	7.4*	7.8*	-	-	29.6	-	-	3.3	-	-	-
77	1.3*	1.2*	1.3*	-	-	5.2		1	0.4	0.05		1
78	6.7*	6.4*	6.7*	-	-	27.3	-	-	1.9	0.28	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.32		1	-	-	-	-	31.5	-	-	700.0	-	-	-	-	-	-
17	-	0.33	-	-	-	-	-	-	32.8	-	-	943.7	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.40		1	-	-	-	-	42.8	-	-	6.6	-	-	-	-	-	-
22	-	0.44	-	-	-	-	-	-	47.1	-	-	7.3	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	0.48		1	0.66	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.54	-	-	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	0.37		1	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.42	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.35		3	0.45	-	-	438_a	19.9	12.5	-	1.5	-	-	0.20	0.62	0.20	0.19
32	-	0.40	-	-	0.51	-	-	501_a	22.8	14.3	-	1.8	-	-	0.23	0.71	0.23	0.22
33	-	1.02		1	0.98	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	1.15	-	-	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.78		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	0.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	0.29		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, CUT 1, (2)	2-01-888	31.2	0.82*	-	0.84*	-	0.67*	-	0.69*
02			100.0	2.63*	-	2.69*	-	2.16*	-	2.20*
03	-AERIAL PART, FRESH, CUT 2, (2)	2-10-559	31.3	-	-	-	-	-	-	-
04			100.0	-	-	-	-	-	-	-
05	-AERIAL PART, FRESH FERTILIZED, CUT 1, (2)	2-10-558	27.1	-	-	-	-	-	-	-
06			100.0	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH FERTILIZED, CUT 2, (2)	2-10-560	32.6	-	-	-	-	-	-	-
08			100.0	-	-	-	-	-	-	-
09	FESTUCA ELATIOR. FESCUE, MEADOW		-	-	-	-	-	-	-	-
10	-HAY, S-C, (1)	1-01-912	87.0	2.07*	1.65*	2.30*	-	1.69*	1.35*	1.88*
11			100.0	2.38*	1.90*	2.64*	-	1.95*	1.55*	2.16*
12	-AERIAL PART, FRESH, (2)	2-01-920	28.6	0.81*	-	0.76*	-	0.66*	-	0.63*
13			100.0	2.82*	-	2.67*	-	2.31*	-	2.19*
14	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-506	17.9	0.49*	-	0.50*	-	0.40*	-	0.41*
15			100.0	2.73*	-	2.80*	-	2.24*	-	2.29*
16	-AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)	2-10-442	25.1	0.60*	-	0.64*	-	0.49*	-	0.52*
17			100.0	2.38*	-	2.55*	-	1.95*	-	2.09*
18	-AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)	2-10-505	26.0	0.59*	-	0.66*	-	0.49*	-	0.54*
19			100.0	2.29*	-	2.52*	-	1.88*	-	2.07*
20	-AERIAL PART, FRESH, CUT 1, (2)	2-10-504	18.1	0.51*	-	0.49*	-	0.42*	-	0.41*
21			100.0	2.82*	-	2.72*	-	2.32*	-	2.23*
22	FESTUCA MEGALURA. FESCUE, FOXTAIL		-	-	-	-	-	-	-	-
23	-AERIAL PART, FRESH, RIPE SEED, (2)	2-01-893	-	-	-	-	-	-	-	-
24			100.0	1.88*	-	2.42*	-	1.55*	-	1.99*
25	FESTUCA OVINA. FESCUE, SHEEP		-	-	-	-	-	-	-	-
26	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-01-934	-	-	-	-	-	-	-	-
27			100.0	2.38*	-	2.50*	-	1.96*	-	2.05*
28	FISH		-	-	-	-	-	-	-	-
29	-STICKWATER SOLUBLES, CONDENSED, MN 30%	5-01-969	50.1	-	-	1.86*	-	-	-	1.52*
30	PROTEIN, (5)		100.0	-	-	3.70*	-	-	-	3.04*
31	CONDENSED FISH SOLUBLES (AAFCO)		-	-	-	-	-	-	-	-
32	-STICKWATER SOLUBLES, COOKED DEHY, MN 60%	5-01-971	93.1	-	-	3.56*	-	-	-	2.92*
33	PROTEIN, (5)		100.0	-	-	3.83*	-	-	-	3.14*
34	DRIED FISH SOLUBLES (AAFCO)		-	-	-	-	-	-	-	-
35	-WHOLE OR CUTTINGS, COOKED DEHY GRND, MN	5-01-974	93.4	2.74*	-	3.75*	-	2.25*	-	3.08*
36	9% OIL SALT DECLARED ABOVE 4%, (5)		100.0	2.94*	-	4.02*	-	2.41*	-	3.29*
37	-WHOLE OR CUTTINGS, COOKED EXTN	5-01-984	80.2	2.61*	-	2.32*	-	2.14*	-	1.91*
38	UNSPECIFIED DEHY GRND, 5-9% FAT, (5)		100.0	3.25*	-	2.90*	-	2.67*	-	2.38*
39	-WHOLE OR CUTTINGS, COOKED MECH-EXTD DEHY	5-01-976	91.9	-	-	-	-	-	-	-
40	GRND, (5)		100.0	-	-	-	-	-	-	-
41	-WHOLE OR CUTTINGS, COOKED MECH-EXTD DEHY	5-01-980	93.2	-	-	-	-	-	-	-
42	GRND, 55% PROTEIN, (5)		100.0	-	-	-	-	-	-	-
43	-WHOLE OR CUTTINGS, COOKED MECH-EXTD DEHY	5-01-981	90.7	-	-	-	-	-	-	-
44	GRND, 60% PROTEIN, (5)		100.0	-	-	-	-	-	-	-
45	-WHOLE OR CUTTINGS, COOKED MECH-EXTD DEHY	5-01-982	93.0	-	-	3.38*	-	-	-	2.77*
46	GRND, 65% PROTEIN, (5)		100.0	-	-	3.64*	-	-	-	2.98*
47	FISH, COD, MEAL		-	-	-	-	-	-	-	-
48	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
49	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
50	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
51	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
52	FISH, CUSK, MEAL		-	-	-	-	-	-	-	-
53	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
54	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
55	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
56	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
57	FISH, HADDOCK, MEAL		-	-	-	-	-	-	-	-
58	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
59	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
60	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
61	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
62	FISH, HAKE, MEAL		-	-	-	-	-	-	-	-
63	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
64	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
65	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
66	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
67	FISH MEAL, ANCHOVY		-	-	-	-	-	-	-	-
68	-SEE ENGRAULIS SPP ANCHOVY, WHOLE OR		-	-	-	-	-	-	-	-
69	CUTTINGS, COOKED MECH-EXTD DEHY GRND,		-	-	-	-	-	-	-	-
70	(5)		-	-	-	-	-	-	-	-
71	FISH MEAL, DRUM		-	-	-	-	-	-	-	-
72	-SEE SCIAENOPS OCELLATA REDFISH, WHOLE		-	-	-	-	-	-	-	-
73	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
74	GRND, (5)		-	-	-	-	-	-	-	-
75	FISH MEAL, HERRING		-	-	-	-	-	-	-	-
76	-SEE CLUPEA HARENGUS, HARENGUS, CLUPEA		-	-	-	-	-	-	-	-
77	HARENGUS, PALLASI HERRING, WHOLE OR		-	-	-	-	-	-	-	-
78	CUTTINGS, COOKED MECH-EXTD DEHY GRND,		-	-	-	-	-	-	-	-
79	(5)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.40*	0.20*	0.42*	19▲*	-	19▲*	-	-	4.0		1
02	-	-	1.28*	0.65*	1.34*	60▲*	-	61▲*	-	-	12.9	-	-
03	-	-	-	-	-	-	-	-	-	-	3.2		1
04	-	-	-	-	-	-	-	-	-	-	10.3	-	-
05	-	-	-	-	-	-	-	-	-	-	4.3	12	14
06	-	-	-	-	-	-	-	-	-	-	15.9	-	-
07	-	-	-	-	-	-	-	-	-	-	3.7	6	15
08	-	-	-	-	-	-	-	-	-	-	11.5	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	1.00*	0.38*	0.99*	47▲*	41▲*	52▲	-	-	8.2		3
11	-	-	1.15*	0.43*	1.14*	54▲*	47▲*	60▲	-	-	9.5	-	-
12	-	-	0.39*	0.23*	0.42*	18.*	-	17.*	-	-	3.6		2
13	-	-	1.38*	0.79*	1.49*	64.*	-	61.*	-	-	12.5	-	-
14	-	-	0.24*	0.13*	0.25*	11.*	-	11.*	-	-	3.5		1
15	-	-	1.33*	0.72*	1.41*	62.*	-	63.*	-	-	19.3	-	-
16	-	-	0.29*	0.11*	0.29*	14.*	-	15.*	-	-	2.2		3
17	-	-	1.15*	0.43*	1.14*	54.*	-	58.*	-	-	8.7	-	-
18	-	-	0.29*	0.09*	0.28*	13.*	-	15.*	-	-	2.2		2
19	-	-	1.11*	0.35*	1.07*	52.*	-	57.*	-	-	8.6	-	-
20	-	-	0.25*	0.14*	0.27*	12.*	-	11.*	-	-	2.4		2
21	-	-	1.38*	0.79*	1.49*	64.*	-	62.*	-	-	13.4	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-		2
24	-	-	0.93*	0.04*	0.76*	43▲*	-	55▲*	-	-	2.8	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-		1
27	-	-	1.15*	0.44*	1.15*	54.*	-	57.*	-	-	6.7	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	1477▲	-	-	-	-	-	42▲*	-	-	30.3		2
30	-	2948▲	-	-	-	-	-	84▲*	-	-	60.5	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	2711.	-	-	-	-	-	81.*	-	-	65.1		3
33	-	2913.	-	-	-	-	-	87.*	-	-	69.9	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	1.36*	0.82*	1.47*	62.*	-	85.*	-	-	21.1		1
36	-	-	1.45*	0.87*	1.58*	67.*	-	91.*	-	-	22.6	-	-
37	-	-	1.33*	0.87*	1.46*	59.*	-	53.*	-	-	48.0	23	5
38	-	-	1.66*	1.08*	1.82*	74.*	-	66.*	-	-	59.8	-	-
39	-	2596.	-	-	-	-	-	-	-	-	61.6	15	32
40	-	2825.	-	-	-	-	-	-	-	-	67.1	-	-
41	-	-	-	-	-	-	-	-	-	-	58.7		1
42	-	-	-	-	-	-	-	-	-	-	63.0	-	-
43	-	-	-	-	-	-	-	-	-	-	63.7		1
44	-	-	-	-	-	-	-	-	-	-	70.2	-	-
45	-	-	-	-	-	-	-	77▲	-	-	67.6	4	8
46	-	-	-	-	-	-	-	83▲	-	-	72.6	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	2.8*	2.6*	2.8*	-	-	9.9		1	1.0	0.09		1
02	8.5*	8.5*	9.0*	-	-	31.8	-	-	3.3	0.30	-	-
03	2.1*	2.0*	2.1*	-	-	-	-	-	-	0.10		1
04	6.6*	6.3*	6.6*	-	-	-	-	-	-	0.33	-	-
05	3.1*	3.0*	3.2*	-	-	-	-	-	-	0.09	20	7
06	11.4*	11.0*	11.8*	-	-	-	-	-	-	0.32	-	-
07	2.5*	2.4*	2.5*	-	-	-	-	-	-	0.09	13	8
08	7.6*	7.3*	7.7*	-	-	-	-	-	-	0.29	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	4.5*	4.9*	4.6	-	-	28.2		3	2.2	-	-	-
11	5.2*	5.6*	5.3	-	-	32.5	-	-	2.6	-	-	-
12	2.4*	2.3*	2.5*	-	-	8.6		2	1.1	0.16		1
13	8.5*	8.1*	8.6*	-	-	30.1	-	-	3.7	0.56	-	-
14	2.6*	2.5*	2.7*	-	-	4.8		1	0.6	0.09		1
15	14.3*	13.9*	15.0*	-	-	26.8	-	-	3.2	0.52	-	-
16	1.3*	1.2*	1.3*	-	-	8.2		3	0.7	-	-	-
17	5.3*	4.9*	5.1*	-	-	32.9	-	-	2.7	-	-	-
18	1.4*	1.3*	1.3*	-	-	8.8		2	0.8	-	-	-
19	5.2*	4.8*	5.0*	-	-	33.9	-	-	3.2	-	-	-
20	1.7*	1.6*	1.7*	-	-	5.2		2	0.7	0.10		2
21	9.3*	8.9*	9.5*	-	-	28.6	-	-	3.9	0.52	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-		2	-			2
24	0.3*		-0.3*	-	-	39.0	-	-	1.8	0.13	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-		1	-	-	-	-
27	3.6*	3.2*	3.2*	-	-	32.7	-	-	1.6	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	27.0	-	-	0.1		2	7.7	0.17		2
30	-	-	53.8	-	-	0.2	-	-	15.4	0.34	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	0.5		3	9.3	1.26		2
33	-	-	-	-	-	0.5	-	-	9.9	1.36	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	11.4		1	18.3	-	-	-
36	-	-	-	-	-	12.2	-	-	19.6	-	-	-
37	-	-	-	-	-	1.2	84	4	6.3	-	-	-
38	-	-	-	-	-	1.5	-	-	7.8	-	-	-
39	-	-	-	-	-	0.5	73	11	5.9	4.98	42	12
40	-	-	-	-	-	0.5	-	-	6.4	5.42	-	-
41	-	-	-	-	-	2.7		1	7.3	-	-	-
42	-	-	-	-	-	2.9	-	-	7.8	-	-	-
43	-	-	-	-	-	1.1		1	6.1	-	-	-
44	-	-	-	-	-	1.2	-	-	6.7	-	-	-
45	-	-	59.5	-	-	-	-	-	7.6	4.78	15	6
46	-	-	63.9	-	-	-	-	-	8.2	5.14	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	0.09	0.12		1	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-
02	0.28	0.38	-	-	1.81	-	-	-	-	-	-	-	-	-	-	-	-	-
03	0.14	0.16		1	0.74	-	-	-	-	-	-	-	-	-	-	-	-	-
04	0.44	0.52	-	-	2.37	-	-	-	-	-	-	-	-	-	-	-	-	-
05	0.09	0.11	18	7	0.62	-	-	-	-	-	-	-	-	-	-	-	-	-
06	0.31	0.40	-	-	2.28	-	-	-	-	-	-	-	-	-	-	-	-	-
07	0.11	0.13	20	8	0.94	-	-	-	-	-	-	-	-	-	-	-	-	-
08	0.34	0.40	-	-	2.90	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.20		1	1.39	-	53.5	-	-	-	-	-	-	-	-	-	-	-
11	-	0.22	-	-	1.60	-	61.5	-	-	-	-	-	-	-	-	-	-	-
12	-	0.11		1	0.77	-	21.4	-	-	-	-	1.1	-	-	-	-	-	-
13	-	0.39	-	-	2.69	-	74.9	-	-	-	-	3.9	-	-	-	-	-	-
14	0.03	0.07		1	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
15	0.14	0.41	-	-	2.77	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.03	0.05		2	0.45	-	-	-	-	-	-	-	-	-	-	-	-	-
21	0.19	0.28	-	-	2.50	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	0.03	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	0.02	0.82		2	-	0.12	-	3517$_A$	169.1	35.5	-	14.6	-	-	0.90	2.00	0.90	0.50
30	0.04	1.64	-	-	-	0.24	-	7021$_A$	337.5	70.8	-	29.0	-	-	1.80	3.99	1.80	1.00
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	1.68		2	-	-	-	5446$_A$	264.6	52.9	-	14.4	-	-	0.76	3.35	1.22	0.56
33	-	1.80	-	-	-	-	-	5851$_A$	284.3	56.9	-	15.5	-	-	0.81	3.60	1.31	0.60
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	2.70	26	12	-	-	-	-	66.3	14.4	-	4.0	-	-	-	-	-	0.88
40	-	2.94	-	-	-	-	-	-	72.2	15.7	-	4.4	-	-	-	-	-	0.96
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	2.58	15	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	2.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	FISH MEAL, MENHADEN		-	-	-	-	-	-	-	-
02	-SEE BREVOORTIA TYRANNUS MENHADEN,		-	-	-	-	-	-	-	-
03	WHOLE OR CUTTINGS, COOKED MECH-EXTD		-	-	-	-	-	-	-	-
04	DEHY GRND, (5)		-	-	-	-	-	-	-	-
05	FISH MEAL, REDFISH		-	-	-	-	-	-	-	-
06	-SEE SCIAENOPS OCELLATA REDFISH, WHOLE		-	-	-	-	-	-	-	-
07	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
08	GRND, (5)		-	-	-	-	-	-	-	-
09	FISH MEAL, SARDINE		-	-	-	-	-	-	-	-
10	-SEE CLUPEA SPP, SARDINOPS SPP		-	-	-	-	-	-	-	-
11	SARDINE, WHOLE OR CUTTINGS, COOKED		-	-	-	-	-	-	-	-
12	MECH-EXTD DEHY GRND, (5)		-	-	-	-	-	-	-	-
13	FISH MEAL, SHARK		-	-	-	-	-	-	-	-
14	-SEE SELACHII (ORDER) SHARK, WHOLE OR		-	-	-	-	-	-	-	-
15	CUTTINGS, COOKED MECH-EXTD DEHY GRND,		-	-	-	-	-	-	-	-
16	(5)		-	-	-	-	-	-	-	-
17	FISH, MONKFISH, MEAL		-	-	-	-	-	-	-	-
18	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
19	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
20	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
21	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
22	FISH, POLLOCK, MEAL		-	-	-	-	-	-	-	-
23	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
24	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
25	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
26	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
27	FISH, SKATE, MEAL		-	-	-	-	-	-	-	-
28	-SEE GADIDAE (FAMILY) LOPHIIDAE		-	-	-	-	-	-	-	-
29	(FAMILY) RAJIDAE (FAMILY) WHITE, WHOLE		-	-	-	-	-	-	-	-
30	OR CUTTINGS, COOKED MECH-EXTD DEHY		-	-	-	-	-	-	-	-
31	GRND, MX 4% OIL, (5)		-	-	-	-	-	-	-	-
32	FISH SOLUBLES, DRIED		-	-	-	-	-	-	-	-
33	-SEE FISH, STICKWATER SOLUBLES, COOKED		-	-	-	-	-	-	-	-
34	DEHY, MN 60% PROTEIN, (5)		-	-	-	-	-	-	-	-
35	FLAKED CORN (AAFCO)		-	-	-	-	-	-	-	-
36	-SEE ZEA MAYS, GRAIN, FLAKED, (4)		-	-	-	-	-	-	-	-
37	GADIDAE (FAMILY) LOPHIIDAE (FAMILY) RAJIDAE		-	-	-	-	-	-	-	-
38	(FAMILY), FISH, WHITE		-	-	-	-	-	-	-	-
39	-WHOLE OR CUTTINGS,	5-02-025	91.0	-	-	2.88*	-	-	-	2.36*
40	COOKED MECH-EXTD DEHY GRND, MX 4% OIL,		100.0	-	-	3.17*	-	-	-	2.60*
41	(5)		-	-	-	-	-	-	-	-
42	GADUS MORRHUA, GADUS MACROCEPHALUS. FISH, COD		-	-	-	-	-	-	-	-
43	-GADUS MACROCEPHALUS COD, WHOLE	5-01-991	85.5	-	-	-	2899▲*	-	-	-
44	OR CUTTINGS, STEAMED DEHY GRND, 60%		100.0	-	-	-	3391▲*	-	-	-
45	PROTEIN, (5)		-	-	-	-	-	-	-	-
46	GALLUS DOMESTICUS. CHICKEN		-	-	-	-	-	-	-	-
47	-GIZZARDS, RAW, (5)	5-07-948	25.0	-	-	-	-	-	-	-
48			100.0	-	-	-	-	-	-	-
49	-VISCERA, RAW, (5)	5-09-748	-	-	-	-	-	-	-	-
50			100.0	-	-	-	-	-	-	-
51	-WHOLE, RAW, (5)	5-07-945	24.3	-	-	-	-	-	-	-
52			100.0	-	-	-	-	-	-	-
53	GARBAGE		-	-	-	-	-	-	-	-
54	-COOKED DEHY, HIGH FAT, (4)	4-07-863	95.9	-	-	3.71*	-	-	-	3.09*
55			100.0	-	-	3.93*	-	-	-	3.22*
56	-COOKED DEHY, LOW FAT, (4)	4-07-862	92.3	-	-	2.55*	-	-	-	2.09*
57			100.0	-	-	2.77*	-	-	-	2.27*
58	GARBAGE. GARBAGE, HOTEL AND RESTAURANT		-	-	-	-	-	-	-	-
59	-COOKED WET GRND, (4)	4-07-865	26.3	-	-	1.04*	1226▲*	-	-	0.85*
60			100.0	-	-	3.94*	4662▲*	-	-	3.23*
61	GARBAGE. GARBAGE, INSTITUTIONAL		-	-	-	-	-	-	-	-
62	-COOKED WET GRND, (4)	4-07-867	18.9	-	-	-	865.	-	-	-
63			100.0	-	-	-	4576.	-	-	-
64	GARBAGE. GARBAGE, MILITARY		-	-	-	-	-	-	-	-
65	-COOKED WET GRND, (4)	4-07-866	31.6	-	-	-	1843▲	-	-	-
66			100.0	-	-	-	5833▲	-	-	-
67	GARBAGE. GARBAGE, MUNICIPAL		-	-	-	-	-	-	-	-
68	-COOKED WET GRND, (4)	4-07-864	25.5	-	-	0.87*	1067▲	-	-	0.72*
69			100.0	-	-	3.43*	4191▲	-	-	2.81*
70	GLIRICIDIA SEPIUM. SHAD, NICARAGUAN		-	-	-	-	-	-	-	-
71	-LEAVES, DEHY, (1)	1-11-665	88.0	2.85*	0.89*	2.76*	-	2.33*	0.73*	2.26*
72			100.0	3.23*	1.01*	3.13*	-	2.65*	0.83*	2.57*
73	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-11-664	24.4	1.03*	-	0.81*	-	0.85*	-	0.66*
74			100.0	4.24*	-	3.32*	-	3.48*	-	2.72*
75	-LEAVES, FRESH, (2)	2-11-663	25.4	-	-	-	-	-	-	-
76			100.0	-	-	-	-	-	-	-
77	-STEMS, FRESH, (2)	2-11-662	19.1	0.51*	-	0.51*	-	0.42*	-	0.42*
78			100.0	2.70*	-	2.66*	-	2.21*	-	2.18*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	65.	-	-	61.1	4	4
40	-	-	-	-	-	-	-	72.	-	-	67.2	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	2215▲*	-	-	-	-	-	-	-	66▲	-	62.9		1
44	2591▲*	-	-	-	-	-	-	-	77▲	-	73.6	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	20.1		1
48	-	-	-	-	-	-	-	-	-	-	80.4	-	-
49	-	-	-	-	-	-	-	-	-	-	-		1
50	-	-	-	-	-	-	-	-	-	-	71.9	-	-
51	-	-	-	-	-	-	-	-	-	-	18.6		1
52	-	-	-	-	-	-	-	-	-	-	76.5	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	86▲*	-	-	17.5		1
55	-	-	-	-	-	-	-	89▲*	-	-	18.2	-	-
56	-	-	-	-	-	-	-	58▲*	-	-	23.1		1
57	-	-	-	-	-	-	-	63▲*	-	-	25.0	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	1177▲*	-	-	-	-	-	-	23▲*	28▲*	-	4.3		1
60	4476▲*	-	-	-	-	-	-	89▲*	106▲*	-	16.3	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	675.*	-	-	-	-	-	-	-	21.	-	3.1		1
63	3570.*	-	-	-	-	-	-	-	110.	-	16.4	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	1434▲*	-	-	-	-	-	-	-	43.	-	5.3		1
66	4539▲*	-	-	-	-	-	-	-	137▲	-	16.8	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	848▲*	-	-	-	-	-	-	20▲*	27▲	-	4.6		2
69	3329▲*	-	-	-	-	-	-	78▲*	106▲	-	18.0	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	1.45*	0.94*	1.59*	65.*	20.*	62.*	-	-	19.8		1
72	-	-	1.64*	1.07*	1.81*	73.*	23.*	71.*	-	-	22.5	-	-
73	-	-	0.61*	0.38*	0.63*	23.*	-	18.*	-	-	5.2		1
74	-	-	2.50*	1.57*	2.60*	96.*	-	75.*	-	-	21.2	-	-
75	-	-	-	-	-	-	-	-	-	-	7.1		1
76	-	-	-	-	-	-	-	-	-	-	27.8	-	-
77	-	-	0.25*	0.13*	0.27*	12.*	-	12.*	-	-	2.8		2
78	-	-	1.31*	0.70*	1.39*	61.*	-	60.*	-	-	14.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No Obs
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	56.8	-	-	17.0	98	4	4.2	7.30		2
40	-	-	62.5	-	-	18.7	-	-	4.6	8.02	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	61.0	-	-	-	-	1.2	-	-	-
44	-	-	-	71.4	-	-	-	-	1.4	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	2.7	0.01		1
48	-	-	-	-	-	-	-	-	10.8	0.04	-	-
49	-	-	-	-	-	-		1	-	-	-	-
50	-	-	-	-	-	1.3	-	-	17.6	-	-	-
51	-	-	-	-	-	-	-	-	4.9	0.01		1
52	-	-	-	-	-	-	-	-	20.2	0.04	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	12.2*	13.4*	6.3	-	-	20.0		1	23.7	-	-	-
55	12.8*	14.0*	6.6	-	-	20.9	-	-	24.7	-	-	-
56	17.5*	18.6*	18.6*	-	-	13.5		1	3.5	-	-	-
57	19.0*	20.2*	20.2*	-	-	14.6	-	-	3.8	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	2.9*	3.2*	3.2*	-	-	0.7		1	5.9	0.11		1
60	11.0*	12.2*	12.2*	-	-	2.7	-	-	22.4	0.42	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	2.1*	2.3*	2.3*	2.8	-	0.5		1	3.6	-	-	-
63	11.1*	12.3*	12.3*	14.6	-	2.6	-	-	19.0	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	3.6*	4.0*	4.0*	4.8	-	0.8		1	12.6	-	-	-
66	11.4*	12.6*	12.6*	15.1	-	2.5	-	-	39.9	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	3.2*	3.5*	3.5*	3.8	-	2.1		2	5.9	-	-	-
69	12.6*	13.7*	13.7*	14.8	-	8.2	-	-	23.3	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	14.5*	14.6*	14.7*	-	-	14.6		1	4.3	-	-	-
72	16.4*	16.6*	16.8*	-	-	16.6	-	-	4.9	-	-	-
73	3.9*	3.8*	4.1*	-	-	3.0		1	1.0	-	-	-
74	15.9*	15.5*	16.7*	-	-	12.3	-	-	4.0	-	-	-
75	5.5*	5.4*	5.8*	-	-	3.3		1	1.0	-	-	-
76	21.5*	21.1*	22.9*	-	-	13.1	-	-	4.0	-	-	-
77	1.9*	1.9*	2.0*	-	-	5.8		2	0.3	-	-	-
78	10.2*	9.8*	10.5*	-	-	30.5	-	-	1.4	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	3.64		2	-	-	-	8873$_A$	69.7	9.9	-	9.7	98.7	-	-	4.52	1.73	0.67
40	-	4.00	-	-	-	-	-	9755$_A$	76.7	10.9	-	10.7	108.5	-	-	4.97	1.90	0.74
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	0.10		1	0.24	-	-	-	45.0	-	-	2.0	-	-	-	-	-	-
48	-	0.42	-	-	0.96	-	-	-	180.0	-	-	8.0	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.20		1	-	-	-	-	56.0	-	-	3.8	-	-	-	-	-	-
52	-	0.82	-	-	-	-	-	-	230.5	-	-	15.6	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.33		1	0.62	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.34	-	-	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Item No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	GLYCINE MAX. SOYBEAN		-	-	-	-	-	-	-	-
02	-HAY, S-C, (1)	1-04-558	88.9	2.00*	-	2.19*	-	1.64*	-	1.79*
03			100.0	2.25*	-	2.46*	-	1.85*	-	2.02*
04	-HULLS, (1)	1-04-560	91.8	2.30*	1.70*	2.83*	-	1.89*	1.40*	2.32*
05	SOYBEAN HULLS (AAFCO)		100.0	2.51*	1.85*	3.08*	-	2.06*	1.52*	2.52*
06	-STRAW, (1)	1-04-567	87.7	1.96*	1.25*	1.67*	-	1.61*	1.02*	1.37*
07			100.0	2.24*	1.42*	1.90*	-	1.84*	1.17*	1.56*
08	-AERIAL PART, FRESH, (2)	2-04-574	29.2	1.02*	-	0.86*	-	0.84*	-	0.71*
09			100.0	3.51*	-	2.95*	-	2.88*	-	2.42*
10	-PODS, FRESH, (2)	2-04-576	-	-	-	-	-	-	-	-
11			100.0	2.40*	-	2.38*	-	1.97*	-	1.95*
12	-AERIAL PART, ENSILED, (3)	3-04-581	27.2	0.64*	-	0.60*	-	0.53*	-	0.49*
13			100.0	2.36*	-	2.20*	-	1.94*	-	1.80*
14	-SEEDS, (5)	5-04-610	87.2	3.42*	-	3.48*	3881.*	2.80*	-	2.85*
15			100.0	3.92*	-	3.99*	4449.*	3.21*	-	3.27*
16	-SEEDS, GRND, (5)	5-04-596	92.7	3.45*	-	3.97*	-	2.83*	-	3.26*
17	GROUND SOYBEANS (AAFCO)		100.0	3.72*	-	4.28*	-	3.05*	-	3.51*
18	-SEEDS, HEAT-PROCESSED GRND, (5)	5-04-597	90.9	3.14*	-	3.66*	-	2.57*	-	3.01*
19	HEAT PROCESSED SOYBEANS (AAFCO)		100.0	3.45*	-	4.03*	-	2.83*	-	3.31*
20	-SEEDS, MECH-EXTD GRND, (5)	5-04-601	93.3	3.31*	-	3.57*	-	2.71*	-	2.93*
21			100.0	3.55*	-	3.83*	-	2.91*	-	3.14*
22	-SEEDS, MECH-EXTD GRND, MX 7% FIBER, (5)	5-04-600	90.5	3.44*	-	3.38*	-	2.82*	-	2.77*
23	SOYBEAN MEAL, MECHANICAL EXTRACTED (AAFCO)		100.0	3.80*	-	3.73*	-	3.12*	-	3.06*
24	-SEEDS, MECH EXTD GRND CAKED, (5)	5-04-598	91.6	3.06*	-	3.25*	-	2.51*	-	2.67*
25			100.0	3.34*	-	3.55*	-	2.74*	-	2.91*
26	-SEEDS, MECH-EXTD TOASTED GRND, (5)	5-10-495	93.9	3.50*	-	3.80*	-	2.87*	-	3.12*
27			100.0	3.73*	-	4.05*	-	3.05*	-	3.32*
28	-SEED, SOLV EXTD GRND CAKED, (5)	5-10-290	87.7	-	-	3.14*	-	-	-	2.57*
29			100.0	-	-	3.57*	-	-	-	2.93*
30	-SEEDS, SOLV-EXTD GRND, (5)	5-04-605	88.6	3.21*	-	3.14*	-	2.64*	-	2.57*
31			100.0	3.63*	-	3.54*	-	2.97*	-	2.90*
32	-SEEDS, SOLV-EXTD GRND, MX 7% FIBER, (5)	5-04-604	90.3	3.28*	-	3.56*	3403.*	2.69*	-	2.92*
33	SOYBEAN MEAL, SOLVENT EXTRACTED (AAFCO)		100.0	3.63*	-	3.95*	3770.*	2.98*	-	3.24*
34	-SEEDS, SOLV-EXTD TOASTED GRND, (5)	5-04-607	92.6	3.25*	-	3.31*	-	2.67*	-	2.71*
35			100.0	3.51*	-	3.57*	-	2.88*	-	2.93*
36	-SEEDS WO HULLS, SOLV-EXTD GRND,	5-04-612	90.3	-	-	3.45*	3964.	-	-	2.83*
37	MX 3% FIBER, (5)		100.0	-	-	3.82*	4390.	-	-	3.13*
38	SOYBEAN MEAL, DEHULLED, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
39	(AAFCO)		-	-	-	-	-	-	-	-
40	GLYCINE MAX. SOYBEAN, PERENNIAL		-	-	-	-	-	-	-	-
41	-HAY, S-C, (1)	1-10-122	88.2	-	-	-	-	-	-	-
42			100.0	-	-	-	-	-	-	-
43	GOSSYPIUM BARBADENSE. COTTON, SEAISLAND		-	-	-	-	-	-	-	-
44	-SEEDS, (5)	5-10-503	-	-	-	-	-	-	-	-
45			100.0	-	-	3.79*	-	-	-	3.11*
46	-SEEDS, MECH EXTD GRND CAKED, (5)	5-10-509	-	-	-	-	-	-	-	-
47			100.0	2.78*	-	2.68*	-	2.28*	-	2.20*
48	-SEEDS W SOME HULLS, MECH-EXTD GRND, (5)	5-10-239	94.4	3.04*	-	3.33*	-	2.49*	-	2.73*
49			100.0	3.22*	-	3.53*	-	2.64*	-	2.89*
50	GOSSYPIUM HIRSUTUM. COTTON, UPLAND		-	-	-	-	-	-	-	-
51	-SEED HULLS, (1)	1-09-635	-	-	-	-	-	-	-	-
52			100.0	2.38*	1.26*	2.28*	-	1.95*	1.03*	1.87*
53	-SEEDS, (5)	5-10-553	89.8	-	-	4.06*	-	-	-	3.33*
54			100.0	-	-	4.52*	-	-	-	3.70*
55	-SEEDS W ADDED HULLS, MECH EXTD GRND, (5)	5-09-636	-	-	-	-	-	-	-	-
56			100.0	2.95*	-	2.87*	-	2.42*	-	2.35*
57	-SEEDS W SOME HULLS, SOLV-EXTD GRND, (5)	5-10-107	90.4	2.97*	-	3.06*	-	2.43*	-	2.51*
58			100.0	3.28*	-	3.38*	-	2.69*	-	2.77*
59	-SEEDS W SOME HULLS, SOLV EXTD GRND CAKED, (5)	5-11-678	90.3	2.81*	-	3.01*	-	2.31*	-	2.47*
60			100.0	3.12*	-	3.34*	-	2.56*	-	2.74*
61	-SEED W SOME HULLS, MECH EXTD GRND, (5)	5-09-637	92.2	3.09*	-	3.35*	-	2.53*	-	2.75*
62			100.0	3.35*	-	3.64*	-	2.75*	-	2.98*
63	-SEED W SOME HULLS, MECH EXTD GRND CAKED, (5)	5-11-677	91.0	2.90*	-	3.18*	-	2.38*	-	2.61*
64			100.0	3.19*	-	3.49*	-	2.62*	-	2.87*
65	GOSSYPIUM SPP. COTTON		-	-	-	-	-	-	-	-
66	-BOLLS, S-C, (1)	1-01-596	91.8	2.28*	1.76*	1.81*	-	1.87*	1.44*	1.48*
67			100.0	2.48*	1.91*	1.97*	-	2.04*	1.57*	1.61*
68	-SEED HULLS, (1)	1-01-599	86.9	1.73*	1.39*	2.02*	-	1.42*	1.14*	1.66*
69	COTTONSEED HULLS (AAFCO)		100.0	2.00*	1.60*	2.33*	-	1.64*	1.31*	1.91*
70	-SEEDS, EXTN UNSPECIFIED GRND, (5)	5-01-607	92.7	2.73*	-	2.91*	-	2.24*	-	2.38*
71			100.0	2.95*	-	3.13*	-	2.42*	-	2.57*
72	-SEEDS, GRND, (5)	5-01-608	92.7	3.05*	-	4.00*	-	2.50*	-	3.28*
73			100.0	3.29*	-	4.32*	-	2.69*	-	3.54*
74	-SEEDS, MECH-EXTD GRND, (5)	5-01-609	92.4	2.69*	-	2.58*	-	2.20*	-	2.12*
75	WHOLE-PRESSED COTTONSEED, MECHANICAL		100.0	2.91*	-	2.80*	-	2.38*	-	2.29*
76	EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
77	-SEEDS W SOME HULLS, MECH-EXTD GRND, (5)	5-10-501	-	-	-	-	-	-	-	-
78			100.0	2.92*	-	3.08*	-	2.39*	-	2.53*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.2 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	0.97*	0.29*	0.93*	45▲	-	50▲	-	-	13.1	17	4
03	-	-	1.09*	0.32*	1.04*	51▲	-	56▲	-	-	14.7	-	-
04	-	-	1.11*	0.50*	1.14*	52▲*	42▲*	64▲*	-	-	11.1	8	5
05	-	-	1.21*	0.55*	1.24*	57▲*	46▲*	70▲*	-	-	12.0	-	-
06	-	-	0.95*	0.27*	0.91*	45.*	30.*	38.	-	-	4.6		3
07	-	-	1.08*	0.31*	1.03*	51.*	34.*	43.	-	-	5.2	-	-
08	-	-	0.54*	0.36*	0.59*	23.*	-	20.*	-	-	5.2		3
09	-	-	1.84*	1.23*	2.03*	80.*	-	67.*	-	-	17.7	-	-
10	-	-	-	-	-	-	-	-	-	-	-		1
11	-	-	1.16*	0.46*	1.16*	54▲*	-	54▲*	-	-	7.0	-	-
12	-	-	0.31*	0.11*	0.31*	15.	-	14.	-	-	4.8	9	5
13	-	-	1.14*	0.42*	1.13*	54.	-	50.	-	-	17.5	-	-
14	3083.*	-	1.91*	1.25*	2.04*	77.	-	79.	88.	-	35.7	12	32
15	3534.*	-	2.18*	1.43*	2.34*	89.	-	90.	101.	-	40.9	-	-
16	-	-	1.87*	1.24*	2.03*	78.*	-	90.*	-	-	39.8		2
17	-	-	2.01*	1.34*	2.19*	84.*	-	97.*	-	-	42.9	-	-
18	-	-	1.66*	1.09*	1.80*	71.*	-	83.*	-	-	30.7		3
19	-	-	1.80*	1.20*	1.98*	78.*	-	91.*	-	-	33.8	-	-
20	-	-	1.75*	1.17*	1.92*	75.*	-	81.*	-	-	45.8	7	12
21	-	-	1.87*	1.25*	2.06*	80.*	-	87.*	-	-	49.1	-	-
22	-	2404.	1.89*	1.25*	2.04*	78.	-	77.	-	-	47.4	5	35
23	-	2656.	2.09*	1.38*	2.26*	66.	-	85.	-	-	52.4	-	-
24	-	-	1.57*	1.04*	1.[illegible]3*	69.*	-	74.*	-	-	41.1	12	5
25	-	-	1.72*	1.13*	1.89*	76.*	-	81.*	-	-	44.8	-	-
26	-	-	1.89*	1.26*	2.06*	79.*	-	86.*	-	-	30.5		1
27	-	-	2.02*	1.34*	2.19*	84.*	-	92.*	-	-	32.5	-	-
28	-	-	-	-	-	-	-	71.*	-	-	34.2		2
29	-	-	-	-	-	-	-	81.*	-	-	39.0	-	-
30	-	1783.	1.72*	1.14*	1.88*	73.*	-	71.*	-	-	44.2	12	34
31	-	2013.	1.94*	1.29*	2.12*	82.*	-	80.*	-	-	49.9	-	-
32	2641.*	2249.	1.75*	1.17*	1.91*	74.	-	81.	77.	-	44.6	5	45
33	2926.*	2491.	1.94*	1.29*	2.12*	82.	-	90.	86.	-	49.4	-	-
34	-	-	1.71*	1.14*	1.88*	74.*	-	75.*	-	-	49.2		1
35	-	-	1.83*	1.23*	2.03*	80.*	-	81.*	-	-	53.1	-	-
36	3504.	2388.	-	-	-	-	-	78.*	-	-	51.2		3
37	3880.	2644.	-	-	-	-	-	87.*	-	-	56.7	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	17.1		2
42	-	-	-	-	-	-	-	-	-	-	19.4	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-		2
45	-	-	-	-	-	-	-	86.*	-	-	15.5	-	-
46	-	-	-	-	-	-	-	-	-	-	-		1
47	-	-	1.36*	0.76*	1.43*	63.*	-	61.*	-	-	21.8	-	-
48	-	-	1.54*	1.00*	1.70*	69.*	-	76.*	-	-	38.2	20	17
49	-	-	1.63*	1.06*	1.80*	73.*	-	80.*	-	-	40.5	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-		2
52	-	-	1.15*	0.43*	1.14*	54.*	30.*	52.*	-	-	2.9	-	-
53	-	-	-	-	-	-	-	92.*	-	-	31.5		1
54	-	-	-	-	-	-	-	102.*	-	-	35.1	-	-
55	-	-	-	-	-	-	-	-	-	-	-		1
56	-	-	1.46*	0.88*	1.59*	67.*	-	65.*	-	-	31.6	-	-
57	-	-	1.51*	0.99*	1.67*	67.*	-	69.*	-	-	46.0	20	9
58	-	-	1.67*	1.10*	1.85*	74.*	-	77.*	-	-	50.9	-	-
59	-	-	1.41*	0.90*	1.55*	64.*	-	68.*	-	-	49.4	12	54
60	-	-	1.57*	1.00*	1.72*	71.*	-	76.*	-	-	54.7	-	-
61	-	-	1.59*	1.05*	1.75*	70.*	-	76.*	-	-	43.2	14	89
62	-	-	1.72*	1.14*	1.90*	76.*	-	83.*	-	-	46.9	-	-
63	-	-	1.47*	0.95*	1.62*	66.*	-	72.*	-	-	46.0	16	29
64	-	-	1.61*	1.04*	1.78*	72.*	-	79.*	-	-	50.5	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	1.10*	0.48*	1.12*	52.*	44.*	41.	-	-	10.3	18	4
67	-	-	1.20*	0.53*	1.22*	56.*	48.*	45.	-	-	11.3	-	-
68	-	-	0.85*	0.06*	0.73*	39.	34.*	46.	-	-	5.9	74	5
69	-	-	0.98*	0.07*	0.84*	45.	39.*	53.	-	-	6.8	-	-
70	-	-	1.35*	0.82*	1.47*	62▲*	-	66▲*	-	-	26.7		2
71	-	-	1.46*	0.88*	1.52*	67▲*	-	71▲*	-	-	28.7	-	-
72	-	-	1.56*	1.02*	1.72*	69▲*	-	91▲*	-	-	23.1		1
73	-	-	1.68*	1.10*	1.85*	75▲*	-	98▲*	-	-	24.9	-	-
74	-	-	1.32*	0.79*	1.44*	61▲*	-	59▲*	-	-	28.0		1
75	-	-	1.43*	0.85*	1.56*	66▲*	-	63▲*	-	-	30.3	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	25	34
78	-	-	1.44*	0.86*	1.56*	66.*	-	70.*	-	-	33.5	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	8.1	8.9*	9.4	-	-	33.2	11	4	2.0	-	-	-
03	9.1	10.0*	10.6	-	-	37.4	-	-	2.2	-	-	-
04	6.8*	7.1*	5.3	-	-	34.0	6	5	2.4	0.54		1
05	7.4*	7.8*	5.8	-	-	37.0	-	-	2.6	0.59	-	-
06	1.3*	1.7*	1.3	-	-	38.9		3	1.3	1.39		1
07	1.4*	1.9*	1.5	-	-	44.3	-	-	1.4	1.59	-	-
08	3.8*	3.7*	4.0	-	-	7.3		3	1.2	-	-	-
09	12.9*	12.6*	13.9	-	-	24.9	-	-	4.1	-	-	-
10	-	-	-	-	-	-		1	-	-	-	-
11	3.8*	3.5*	3.5*	-	-	39.5	-	-	0.7	-	-	-
12	3.0	3.3*	3.0	-	-	7.8	8	5	0.7	0.38	4	4
13	11.0	12.1*	11.0	-	-	28.6	-	-	2.6	1.39	-	-
14	32.1	-	31.9	29.2	-	5.2	45	21	18.2	0.30		2
15	36.8	-	36.6	33.5	-	6.0	-	-	20.8	0.34	-	-
16	-	-	-	-	-	3.9		2	14.5	-	-	-
17	-	-	-	-	-	4.2	-	-	15.6	-	-	-
18	-	-	-	-	-	7.5		3	10.7	-	-	-
19	-	-	-	-	-	8.3	-	-	11.8	-	-	-
20	-	-	-	-	-	7.5		2	6.7	0.28		2
21	-	-	-	-	-	8.0	-	-	7.2	0.30	-	-
22	40.3	-	40.6	-	-	5.8	13	31	4.7	0.28	3	5
23	44.5	-	44.9	-	-	6.4	-	-	5.2	0.30	-	-
24	-	-	-	-	-	9.0	80	5	3.5	0.21		1
25	-	-	-	-	-	9.9	-	-	3.8	0.23	-	-
26	-	-	-	-	-	6.0		1	7.1	-	-	-
27	-	-	-	-	-	6.4	-	-	7.6	-	-	-
28	-	-	-	-	-	6.5		2	1.0	0.20		1
29	-	-	-	-	-	7.4	-	-	1.1	0.23	-	-
30	-	-	-	-	-	4.6	36	21	2.3	0.21	5	4
31	-	-	-	-	-	5.2	-	-	2.6	0.23	-	-
32	40.1	-	41.5	40.6	-	5.3	37	45	0.8	0.36	37	38
33	44.5	-	45.9	45.0	-	5.8	-	-	0.9	0.39	-	-
34	-	-	-	-	-	4.1		1	5.0	-	-	-
35	-	-	-	-	-	4.4	-	-	5.4	-	-	-
36	-	-	-	-	-	4.0	37	28	0.8	0.29	17	4
37	-	-	-	-	-	4.4	-	-	0.9	0.32	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	12.1*	12.4*	12.3*	-	-	24.5		2	-	-	-	-
42	13.7*	14.0*	14.0*	-	-	27.8	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-		3	-	-	-	-
45	-	-	-	-	-	17.8	-	-	15.9	-	-	-
46	-	-	-	-	-	-		1	-	-	-	-
47	-	-	-	-	-	26.5	-	-	5.7	-	-	-
48	-	-	-	-	-	12.5	48	20	6.5	0.27		2
49	-	-	-	-	-	13.2	-	-	6.9	0.29	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-		2	-	-	-	-
52	-0.4*		-0.7*	-	-	40.2	-	-	1.3	-	-	-
53	-	-	-	-	-	10.9		1	27.3	-	-	-
54	-	-	-	-	-	12.1	-	-	30.4	-	-	-
55	-	-	-	-	-	-		1	-	-	-	-
56	-	-	-	-	-	27.2	-	-	6.7	-	-	-
57	-	-	-	-	-	7.3	49	8	1.5	-	-	-
58	-	-	-	-	-	8.1	-	-	1.7	-	-	-
59	-	-	-	-	-	7.9	59	54	1.7	-	-	-
60	-	-	-	-	-	8.7	-	-	1.9	-	-	-
61	-	-	-	-	-	9.1	50	38	6.1	0.53	14	18
62	-	-	-	-	-	9.9	-	-	6.6	0.57	-	-
63	-	-	-	-	-	9.1	47	29	4.0	0.14	56	8
64	-	-	-	-	-	10.0	-	-	4.4	0.15	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	6.2*	6.5*	2.7	-	-	29.2	15	4	2.4	0.62		1
67	6.7*	7.1*	2.9	-	-	31.8	-	-	2.7	0.67	-	-
68	-0.9	2.9*	-0.6	-	-	36.5	55	5	1.8	0.12		1
69	-1.1	3.3*	-0.7	-	-	42.0	-	-	2.1	0.14	-	-
70	-	-	-	-	-	18.9		3	5.4	-	-	-
71	-	-	-	-	-	20.4	-	-	5.8	-	-	-
72	-	-	17.1	-	-	16.9		1	22.9	0.14		1
73	-	-	18.4	-	-	18.2	-	-	24.7	0.15	-	-
74	-	-	20.2	-	-	21.4		1	5.2	0.17		1
75	-	-	21.8	-	-	23.2	-	-	5.6	0.18	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	31	32	-	-	25	14
78	-	-	-	-	-	22.8	-	-	6.2	0.36	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin X	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	11.9	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	13.4	-	-	-	-	-	-	-	-	-	-	-
04	-	0.16		1	-	-	-	287a	-	-	-	-	-	-	-	-	-	-
05	-	0.17	-	-	-	-	-	313a	-	-	-	-	-	-	-	-	-	-
06	0.81	0.05		2	0.49	-	-	-	-	-	-	-	-	-	-	-	-	-
07	0.92	0.06	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.12	38	4	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	0.46	-	-	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-
14	0.19	0.42		3	1.21	0.21	-	2778a	21.3	15.2	-	2.8	-	-	-	1.88	0.39	0.54
15	0.22	0.48	-	-	1.38	0.25	-	3184a	24.5	17.4	-	3.2	-	-	-	2.16	0.44	0.62
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.39		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.89		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.25	0.59	9	5	1.74	0.33	6.6	2631a	31.1	15.0	-	3.5	-	-	0.62	2.76	0.71	0.59
23	0.28	0.65	-	-	1.93	0.37	7.3	2906a	34.4	16.6	-	3.9	-	-	0.68	3.05	0.78	0.65
24	0.23	0.50		1	1.67	-	-	-	-	-	-	-	-	-	-	2.55	0.52	-
25	0.25	0.55	-	-	1.82	-	-	-	-	-	-	-	-	-	-	2.78	0.57	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.22	0.44		1	1.60	-	-	-	-	-	-	-	-	-	-	2.49	0.57	-
29	0.25	0.50	-	-	1.82	-	-	-	-	-	-	-	-	-	-	2.84	0.65	-
30	0.23	0.52	9	5	1.62	-	-	2718.	26.6	14.4	-	3.3	-	-	0.68	2.72	0.47	0.64
31	0.26	0.59	-	-	1.85	-	-	3068.	30.0	16.2	-	3.7	-	-	0.76	3.07	0.53	0.72
32	0.27	0.63	17	38	1.95	0.43	1.2	2833a	24.8	16.2	-	2.9	-	-	0.71	2.96	0.58	0.63
33	0.30	0.70	-	-	2.16	0.48	1.3	3138a	27.4	17.9	-	3.2	-	-	0.79	3.28	0.64	0.70
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	0.60	9	4	2.03	-	-	2744a	21.5	16.3	-	2.9	-	-	0.82	3.15	0.73	0.65
37	-	0.66	-	-	2.25	-	-	3038a	23.9	18.0	-	3.2	-	-	0.91	3.49	0.81	0.72
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	0.71	1.30		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	0.75	1.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.92	60	19	2.11	-	-	-	5.3	-	-	-	-	-	-	-	-	-
62	-	1.00	-	-	2.29	-	-	-	5.8	-	-	-	-	-	-	-	-	-
63	-	1.05	35	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	1.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	0.11		2	2.34	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	0.11	-	-	2.55	-	-	-	-	-	-	-	-	-	-	-	-	-
68	0.12	0.06		1	0.83	-	-	-	-	-	-	3.6	-	-	-	-	-	-
69	0.14	0.07	-	-	0.96	-	-	-	-	-	-	4.1	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	0.32	0.68		1	1.11	0.24	-	-	-	-	-	-	-	-	-	-	-	-
73	0.35	0.73	-	-	1.20	0.26	-	-	-	-	-	-	-	-	-	-	-	-
74	-	0.64		1	1.25	-	-	-	-	-	-	3.1	-	-	-	-	-	-
75	-	0.69	-	-	1.35	-	-	-	-	-	-	3.3	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	23	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-SEEDS W SOME HULLS, MECH-EXTD	5-01-625	89.5	2.60*	-	2.96*	-	2.13*	-	2.42*
02	GRND, MN 36% PROTEIN, (5)		100.0	2.90*	-	3.30*	-	2.38*	-	2.71*
03	COTTONSEED MEAL, MECHANICAL EXTRACTED		-	-	-	-	-	-	-	-
04	(AAFCO)		-	-	-	-	-	-	-	-
05	-SEEDS W SOME HULLS, MECH-EXTD	5-01-617	92.6	3.05*	-	3.06*	-	2.50*	-	2.51*
06	GRND, MN 41% PROTEIN MX 14% FIBER MN		100.0	3.30*	-	3.30*	-	2.70*	-	2.71*
07	2% FAT, (5)		-	-	-	-	-	-	-	-
08	-SEEDS W SOME HULLS, MECH-EXTD	5-01-615	92.6	2.69*	-	2.84*	-	2.21*	-	2.33*
09	GRND, MN 36% PROTEIN MX 17% FIBER MN		100.0	2.90*	-	3.07*	-	2.38*	-	2.51*
10	2% FAT, (5)		-	-	-	-	-	-	-	-
11	-SEEDS W SOME HULLS, SOLV-EXTD GRND, (5)	5-08-607	92.3	2.32*	-	2.69*	-	1.90*	-	2.21*
12			100.0	2.51*	-	2.91*	-	2.06*	-	2.39*
13	-SEEDS W SOME HULLS, SOLV-EXTD	5-01-632	92.2	-	-	2.89*	-	-	-	2.37*
14	GRND, MN 36% PROTEIN, (5)		100.0	-	-	3.13*	-	-	-	2.57*
15	COTTONSEED MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
16	-SEEDS W SOME HULLS, SOLV-EXTD	5-01-621	91.6	1.86*	-	2.79*	-	1.53*	-	2.29*
17	GRND, MN 41% PROTEIN MX 14% FIBER MN		100.0	2.03*	-	3.05*	-	1.67*	-	2.50*
18	0.5% FAT, (5)		-	-	-	-	-	-	-	-
19	GRAINS		-	-	-	-	-	-	-	-
20	-SCREENINGS, UNCLEANED, MN 12% GRAIN MX	4-02-153	92.1	2.36*	-	2.68*	2514.*	1.93*	-	2.20*
21	3% WILD OATS MX 17% BUCKWHEAT AND		100.0	2.56*	-	2.91*	2731.*	2.10*	-	2.39*
22	LARGE SEEDS MX 68% SMALL WEED SEEDS		-	-	-	-	-	-	-	-
23	CHAFF HULLS DUST SCOURINGS NOXIOUS		-	-	-	-	-	-	-	-
24	SEEDS, (4)		-	-	-	-	-	-	-	-
25	-SCREENINGS, GR 1 MN 35% GRAIN MX 7%	4-02-154	89.3	3.12*	-	3.25*	3219.*	2.56*	-	2.66*
26	FIBER MX 6% FOREIGN MATERIAL MX 8%		100.0	3.50*	-	3.63*	3606.*	2.87*	-	2.98*
27	WILD OATS, (4)		-	-	-	-	-	-	-	-
28	-SCREENINGS, GR 2 MX 11% FIBER MX 10%	4-02-155	91.1	3.13*	-	3.24*	3263.*	2.56*	-	2.66*
29	FOREIGN MATERIAL MX 49% WILD OATS, (4)		100.0	3.43*	-	3.56*	3582.*	2.82*	-	2.92*
30	-SCREENINGS, MN 70% GRAIN MX 6.5% ASH, (4)	4-02-156	89.9	2.30*	-	2.78*	2592.*	1.88*	-	2.28*
31	GRAIN SCREENINGS (AAFCO)		100.0	2.55*	-	3.09*	2881.*	2.09*	-	2.53*
32	-SCREENINGS, REFUSE MX 100% SMALL WEED	4-02-151	91.1	1.88*	-	2.66*	2017.*	1.54*	-	2.18*
33	SEEDS CHAFF HULLS DUST SCOURINGS		100.0	2.06*	-	2.93*	2215.*	1.69*	-	2.40*
34	NOXIOUS SEEDS, (4)		-	-	-	-	-	-	-	-
35	-BREWERS GRAINS, DEHY, MX 3% DRIED	5-02-141	91.5	2.67*	-	2.80*	2030.*	2.19*	-	2.30*
36	SPENT HOPS, (5)		100.0	2.91*	-	3.06*	2218.*	2.39*	-	2.51*
37	BREWERS DRIED GRAINS (AAFCO)		-	-	-	-	-	-	-	-
38	-DISTILLERS GRAINS, DEHY, (5)	5-02-144	92.6	3.20*	-	3.27*	-	2.63*	-	2.68*
39			100.0	3.46*	-	3.53*	-	2.84*	-	2.90*
40	GRAIN SCREENINGS (AAFCO)		-	-	-	-	-	-	-	-
41	-SEE GRAINS, SCREENINGS, MN 70% GRAIN		-	-	-	-	-	-	-	-
42	MX 6.5% ASH, (4)		-	-	-	-	-	-	-	-
43	GRAIN SORGHUM DISTILLERS DRIED GRAINS (AAFCO)		-	-	-	-	-	-	-	-
44	-SEE SORGHUM VULGARE GRAIN VARIETY,		-	-	-	-	-	-	-	-
45	DISTILLERS GRAINS, DEHY, (5)		-	-	-	-	-	-	-	-
46	GRAIN SORGHUM FODDER, SUN-CURED		-	-	-	-	-	-	-	-
47	-SEE SORGHUM VULGARE GRAIN VARIETY,		-	-	-	-	-	-	-	-
48	AERIAL PART, S-C, (1)		-	-	-	-	-	-	-	-
49	GRASS-LEGUME		-	-	-	-	-	-	-	-
50	-HAY, S-C, GR SAMPLE US, (1)	1-02-287	91.5	-	-	-	-	-	-	-
51			100.0	-	-	-	-	-	-	-
52	-AERIAL PART, ENSILED, (3)	3-02-303	28.9	0.76*	-	0.78*	-	0.61*	-	0.64*
53			100.0	2.56*	-	2.70*	-	2.10*	-	2.21*
54	-AERIAL PART W MOLASSES ADDED, ENSILED, (3)	3-02-309	28.0	0.73*	-	0.72*	-	0.60*	-	0.59*
55			100.0	2.62*	-	2.58*	-	2.15*	-	2.12*
56	GROUND ALFALFA HAY (AAFCO)		-	-	-	-	-	-	-	-
57	-SEE MEDICAGO SATIVA, HAY, S-C GRND,		-	-	-	-	-	-	-	-
58	(1)		-	-	-	-	-	-	-	-
59	GROUND BROWN RICE (AAFCO)		-	-	-	-	-	-	-	-
60	-SEE ORYZA SATIVA, GROATS, GRND, (4)		-	-	-	-	-	-	-	-
61	GROUND CORN COB (AAFCO)		-	-	-	-	-	-	-	-
62	-SEE ZEA MAYS, COBS, GRND, (1)		-	-	-	-	-	-	-	-
63	GROUND CORN (AAFCO)		-	-	-	-	-	-	-	-
64	-SEE ZEA MAYS, GRAIN, GRND, MX 4%		-	-	-	-	-	-	-	-
65	FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
66	GROUND EAR CORN WITH HUSKS (AAFCO		-	-	-	-	-	-	-	-
67	-SEE ZEA MAYS, EARS W HUSKS, GRND, (4)		-	-	-	-	-	-	-	-
68	GROUND EAR CORN (AAFCO)		-	-	-	-	-	-	-	-
69	-SEE ZEA MAYS, EARS, GRND, (4)		-	-	-	-	-	-	-	-
70	GROUNDNUT OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
71	-SEE ARACHIS HYPOGAEA, KERNELS,		-	-	-	-	-	-	-	-
72	SOLV-EXTD GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
73	GROUND PADDY RICE (AAFCO)		-	-	-	-	-	-	-	-
74	-SEE ORYZA SATIVA, GRAIN W HULLS,		-	-	-	-	-	-	-	-
75	GRND, (4)		-	-	-	-	-	-	-	-
76	GROUND ROUGH RICE (AAFCO)		-	-	-	-	-	-	-	-
77	-SEE ORYZA SATIVA, GRAIN W HULLS,		-	-	-	-	-	-	-	-
78	GRND, (4)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	1.28*	0.76*	1.39*	59.*	-	67.*	-	-	38.6	4	8
02	-	-	1.43*	0.85*	1.55*	66.*	-	75.*	-	-	43.1	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	2568.	1.56*	1.02*	1.72*	69.*	-	69.*	-	-	40.7	3	5
06	-	2773.	1.69*	1.11*	1.86*	75.*	-	75.*	-	-	44.0	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	1.33*	0.79*	1.44*	61a*	-	64a*	-	-	31.7		1
09	-	-	1.43*	0.85*	1.55*	66a*	-	70a*	-	-	34.2	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	1892.	1.12*	0.51*	1.15*	53.*	-	61.*	-	-	31.3	20	32
12	-	2050.	1.21*	0.55*	1.24*	57.*	-	66.*	-	-	33.9	-	-
13	-	-	-	-	-	-	-	65a*	-		40.7	1	8
14	-	-	-	-	-	-	-	71a*	-	-	44.2	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	2413.	0.91*	0.10*	0.80*	42.*	-	63.*	-	-	41.6	7	15
17	-	2636.	0.99*	0.11*	0.87*	46.*	-	69.*	-	-	45.4	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	2414.*	-	1.14*	0.55*	1.18*	54.*	-	61.*	57.*	-	13.8	10	5
21	2622.*	-	1.24*	0.59*	1.29*	58.*	-	66.*	62.*	-	15.0	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	3090.*	-	1.64*	1.09*	1.80*	71.*	-	74.*	73.*	-	14.8	5	4
26	3462.*	-	1.84*	1.22*	2.02*	79.*	-	82.*	82.*	-	16.6	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	3133a*	-	1.63*	1.08*	1.79*	71a*	-	74a*	74a*	-	12.5		2
29	3439a*	-	1.79*	1.19*	1.97*	78a*	-	81a*	81a*	-	13.7	-	-
30	2488a*	1264a	1.11*	0.53*	1.15*	52a*	-	63a*	59a*	-	13.6	7	5
31	2766a*	1405a	1.24*	0.59*	1.28*	58a*	-	70a*	65a*	-	15.1	-	-
32	1936.*	-	0.92*	0.13*	0.81*	43.*	-	60.	46.*	-	12.4	21	10
33	2126.*	-	1.01*	0.14*	0.89*	47.*	-	66.	50.*	-	13.6	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	1625a*	2095a	1.32*	0.79*	1.43*	60a	48a	64a	46a	-	25.4	14	12
36	1775a*	2289a	1.44*	0.86*	1.56*	66a	52a	69a	50a	-	27.7	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	1.67*	1.11*	1.84*	73a*	-	74a	-	-	27.3	5	13
39	-	-	1.81*	1.20*	1.99*	79a*	-	80a	-	-	29.5	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	10.9		2
51	-	-	-	-	-	-	-	-	-	-	11.9	-	-
52	-	-	0.36*	0.17*	0.37*	17a*	-	18a*	-	-	3.2		2
53	-	-	1.24*	0.59*	1.28*	58a*	-	61a*	-	-	11.0	-	-
54	-	-	0.36*	0.18*	0.37*	17.*	-	16.*	-	-	3.3		2
55	-	-	1.27*	0.64*	1.33*	59.*	-	59.*	-	-	11.8	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	13.5	8	8	2.8	-	-	-
02	-	-	-	-	-	15.0	-	-	3.1	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	10.3	19	5	5.1	0.21		2
06	-	-	-	-	-	11.1	-	-	5.5	0.23	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	25.7		1	6.0	-	-	-
09	-	-	-	-	-	27.8	-	-	6.5	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	19.8	18	29	1.1	0.43	98	21
12	-	-	-	-	-	21.5	-	-	1.2	0.46	-	-
13	-	-	-	-	-	14.2	4	8	0.8	-	-	-
14	-	-	-	-	-	15.4	-	-	0.8	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	13.3	12	12	1.2	0.15		1
17	-	-	-	-	-	14.5	-	-	1.3	0.16	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	9.0*	10.1*	10.1*	-	-	14.2	42	4	5.8	-	-	-
21	9.8*	11.0*	11.0*	-	-	15.5	-	-	6.3	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	10.0*	11.1*	11.1*	-	-	6.2		3	2.5	0.14		1
26	11.3*	12.4*	12.4*	-	-	6.9	-	-	2.8	0.16	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	7.8*	8.9*	8.9*	-	-	7.6		1	3.9	-	-	-
29	8.6*	9.8*	9.8*	-	-	8.3	-	-	4.3	-	-	-
30	8.9*	10.0*	9.8	-	-	12.3	22	4	4.9	0.31	44	4
31	9.9*	11.1*	10.9	-	-	13.6	-	-	5.4	0.34	-	-
32	7.8*	8.8*	8.8	-	-	17.2	48	9	4.8	0.22	57	4
33	8.5*	9.7*	9.7	-	-	18.9	-	-	5.3	0.25	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	18.8	19.5	18.5	20.0	-	15.6	35	12	7.1	0.33	24	4
36	20.5	21.3	20.2	21.9	-	17.0	-	-	7.7	0.36	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	18.9	-	-	12.8	10	14	7.4	0.13		3
39	-	-	20.4	-	-	13.9	-	-	8.0	0.14	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	6.6*	7.0*	6.6*	-	-	4.9		2	10.9	-	-	-
51	7.3*	7.6*	7.3*	-	-	5.4	-	-	11.9	-	-	-
52	1.8*	1.8*	1.8*	-	-	9.3		2	0.9	0.27		1
53	6.2*	6.2*	6.2*	-	-	32.0	-	-	3.2	0.92	-	-
54	1.9*	1.9*	1.9*	-	-	9.0		2	1.1	0.30		2
55	6.9*	6.9*	6.9*	-	-	32.0	-	-	4.0	1.08	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	0.52	1.02		2	-	0.40	-	2710a	36.1	12.2	-	6.0	-	-	0.86	1.45	0.65	0.56
06	0.56	1.11	-	-	-	0.43	-	2927a	39.0	13.2	-	6.5	-	-	0.93	1.56	0.70	0.61
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	1.06	0.66	40	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	1.15	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	0.58	1.14		2	-	0.21	-	2861a	45.5	17.8	-	4.6	-	-	0.86	1.58	0.62	0.59
17	0.63	1.25	-	-	-	0.23	-	3125a	49.7	19.5	-	5.0	-	-	0.93	1.72	0.67	0.65
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.20	-	-	-	-	-	-	-	72.5	21.2	-	0.6	-	-	-	0.42	0.19	-
21	0.22	-	-	-	-	-	-	-	78.7	23.1	-	0.7	-	-	-	0.46	0.21	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0.18	0.43		1	-	-	-	-	69.0	12.8	-	1.4	-	-	-	0.40	0.17	-
26	0.20	0.48	-	-	-	-	-	-	77.3	14.3	-	1.6	-	-	-	0.45	0.19	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.22	-	-	-	-	-	-	-	40.0	10.9	-	1.2	-	-	-	0.48	0.12	-
29	0.24	-	-	-	-	-	-	-	43.9	12.0	-	1.3	-	-	-	0.53	0.13	-
30	-	0.32	28	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	0.27	44	4	-	-	-	-	47.5	23.1	-	0.7	-	-	-	0.49	0.15	-
33	-	0.29	-	-	-	-	-	-	52.2	25.3	-	0.7	-	-	-	0.53	0.16	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.14	0.56	23	3	0.08	0.31	-	1568a	42.9	8.5	-	1.5	-	-	0.30	1.04	0.48	0.36
36	0.15	0.61	-	-	0.09	0.34	-	1713a	46.9	9.3	-	1.7	-	-	0.32	1.14	0.53	0.39
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.14	0.79		3	1.19	0.45	-	-	46.8	11.6	-	3.8	-	-	-	0.82	0.49	0.22
39	0.15	0.85	-	-	1.28	0.49	-	-	50.5	12.2	-	4.1	-	-	-	0.89	0.52	0.23
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.08		1	-	0.20	-	-	6.0	-	-	-	-	-	-	-	-	-
53	-	0.26	-	-	-	0.69	-	-	20.7	-	-	-	-	-	-	-	-	-
54	-	0.10		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	GROUND SNAPPED CORN		-	-	-	-	-	-	-	-
02	-SEE ZEA MAYS, EARS W HUSKS, GRND, (4)		-	-	-	-	-	-	-	-
03	GROUND SOYBEANS (AAFCO)		-	-	-	-	-	-	-	-
04	-SEE GLYCINE MAX, SEEDS, GRND, (5)		-	-	-	-	-	-	-	-
05	GUAZUMA ULMIFOLIA		-	-	-	-	-	-	-	-
06	-FRUIT, DEHY GRND, (1)	1-11-661	85.9	2.14*	1.45*	2.05*	-	1.75*	1.19*	1.68*
07			100.0	2.49*	1.69*	2.38*	-	2.04*	1.39*	1.95*
08	GUILIELMA GASIPAES, PEACHPALM		-	-	-	-	-	-	-	-
09	-FRUIT, COOKED, GREEN, (4)	4-10-446	47.5	-	-	-	-	-	-	-
10			100.0	-	-	-	-	-	-	-
11	HEAT PROCESSED SOYBEANS (AAFCO)		-	-	-	-	-	-	-	-
12	-SEE GLYCINE MAX, SEEDS,		-	-	-	-	-	-	-	-
13	HEAT-PROCESSED GRND, (5)		-	-	-	-	-	-	-	-
14	HELIANTHUS ANNUUS, SUNFLOWER, COMMON		-	-	-	-	-	-	-	-
15	-FLOWERS AND SEEDS, (1)	1-09-736	86.9	-	-	0.64*	-	-	-	0.52*
16			100.0	-	-	0.74*	-	-	-	0.61*
17	-AERIAL PART, FRESH, (2)	2-10-697	15.0	-	-	-	-	-	-	-
18			100.0	-	-	-	-	-	-	-
19	-SEEDS, (5)	5-10-101	91.6	-	-	3.72*	-	-	-	3.05*
20			100.0	-	-	4.06*	-	-	-	3.33*
21	-SEEDS, MECH-EXTD GRND, (5)	5-10-698	90.7	2.73*	-	3.02*	-	2.24*	-	2.48*
22			100.0	3.01*	-	3.33*	-	2.47*	-	2.73*
23	-SEEDS, MECH EXTD GRND CAKED, (5)	5-09-706	92.0	2.70*	-	3.12*	-	2.22*	-	2.56*
24			100.0	2.94*	-	3.39*	-	2.41*	-	2.78*
25	-SEEDS, SOLV-EXTD, (5)	5-10-700	85.5	2.22*	-	2.65*	-	1.82*	-	2.17*
26			100.0	2.60*	-	3.10*	-	2.13*	-	2.54*
27	-SEEDS, SOLV EXTD GRND CAKED, (5)	5-10-699	84.6	-	-	2.80*	-	-	-	2.30*
28			100.0	-	-	3.31*	-	-	-	2.72*
29	HELIANTHUS SPP, SUNFLOWER		-	-	-	-	-	-	-	-
30	-SEEDS, MECH EXTD GRND, (5)	5-08-091	92.1	2.29*	-	2.83*	-	1.88*	-	2.32*
31			100.0	2.48*	-	3.07*	-	2.05*	-	2.52*
32	-SEEDS WO HULLS, EXTN UNSPECIFIED GRND, (5)	5-04-740	92.8	-	-	-	-	-	-	-
33			100.0	-	-	-	-	-	-	-
34	-SEEDS WO HULLS, MECH-EXTD GRND, (5)	5-04-738	92.9	2.98*	-	3.17*	-	2.44*	-	2.60*
35	SUNFLOWER MEAL (AAFCO)		100.0	3.21*	-	3.41*	-	2.63*	-	2.80*
36	-SEEDS WO HULLS, SOLV-EXTD GRND, (5)	5-04-739	92.7	2.73*	-	3.09*	-	2.23*	-	2.54*
37	SUNFLOWER MEAL (AAFCO)		100.0	2.94*	-	3.34*	-	2.41*	-	2.74*
38	HEMARTHRIA ALTISSIMA, SWAMP COUCH		-	-	-	-	-	-	-	-
39	-AERIAL PART, FRESH, (2)	2-10-410	23.9	-	-	-	-	-	-	-
40			100.0	-	-	-	-	-	-	-
41	HIBISCUS CANNABINUS, HIBISCUS, KENAF		-	-	-	-	-	-	-	-
42	-SEEDS, SOLV-EXTD GRND, (1)	1-10-407	93.8	-	-	-	-	-	-	-
43			100.0	-	-	-	-	-	-	-
44	HIBISCUS ROSA-SINENSIS, HIBISCUS, CHINESE		-	-	-	-	-	-	-	-
45	-LEAVES, FRESH, (2)	2-10-511	-	-	-	-	-	-	-	-
46			100.0	3.95*	-	3.18*	-	3.24*	-	2.61*
47	HIBISCUS SABDARIFFA, ROSELLE		-	-	-	-	-	-	-	-
48	-FRUIT, (4)	4-10-510	-	-	-	-	-	-	-	-
49			100.0	2.25*	-	3.14*	1832.*	1.85*	-	2.58*
50	HOMINY FEED (AAFCO)		-	-	-	-	-	-	-	-
51	-SEE ZEA MAYS, GRITS BY-PRODUCT, MN 5%		-	-	-	-	-	-	-	-
52	FAT, (4)		-	-	-	-	-	-	-	-
53	HOMINY, WHITE CORN, FEED		-	-	-	-	-	-	-	-
54	-SEE ZEA MAYS WHITE, GRITS BY-PRODUCT,		-	-	-	-	-	-	-	-
55	MN 5% FAT, (4)		-	-	-	-	-	-	-	-
56	HORDEUM DISTICHUM, BARLEY, 2-ROW		-	-	-	-	-	-	-	-
57	-HAY, S-C, (1)	1-10-406	99.1	2.28*	1.14*	2.20*	-	1.87*	0.93*	1.80*
58			100.0	2.30*	1.15*	2.22*	-	1.89*	0.94*	1.82*
59	-STRAW, S-C, (1)	1-10-229	97.3	2.16*	1.61*	2.07*	-	1.77*	1.32*	1.70*
60			100.0	2.22*	1.65*	2.13*	-	1.82*	1.35*	1.74*
61	-MALT, DEHY GRND, (4)	4-10-402	94.3	2.21*	-	2.84*	2276.*	1.81*	-	2.33*
62			100.0	2.34*	-	3.02*	2414.*	1.92*	-	2.47*
63	-BREWERS GRAIN, COOKED, (5)	5-10-403	42.3	1.36*	-	1.48*	-	1.12*	-	1.21*
64			100.0	3.22*	-	3.50*	-	2.64*	-	2.87*
65	-BREWERS GRAIN, DEHY, (5)	5-10-404	92.7	-	-	-	-	-	-	-
66			100.0	-	-	-	-	-	-	-
67	-BREWERS GRAIN, WET, (5)	5-10-405	22.5	0.64*	-	0.69*	-	0.53*	-	0.57*
68			100.0	2.86*	-	3.07*	-	2.34*	-	2.52*
69	HORDEUM LEPORINUM, BARLEYGRASS		-	-	-	-	-	-	-	-
70	-AERIAL PART, FRESH, (2)	2-07-758	93.6	-	-	2.37	-	-	-	1.94*
71			100.0	-	-	2.53	-	-	-	2.07*
72	HORDEUM VULGARE, BARLEY		-	-	-	-	-	-	-	-
73	-HAY, S-C, (1)	1-00-495	84.2	2.29*	1.51*	2.13*	-	1.88*	1.23*	1.75*
74			100.0	2.72*	1.79*	2.53*	-	2.23*	1.47*	2.08*
75	-STRAW, (1)	1-00-498	89.4	1.95*	1.53*	1.89*	-	1.60*	1.26*	1.55*
76			100.0	2.19*	1.71*	2.12*	-	1.79*	1.40*	1.74*
77	-GRAIN, (4)	4-00-549	89.2	3.18*	-	3.06*	3190.*	2.60*	-	2.51*
78			100.0	3.56*	-	3.43*	3576.*	2.92*	-	2.81*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein (N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	1.03*	0.45*	1.05*	48.*	36.*	46.*	-	-	4.4		1
07	-	-	1.20*	0.53*	1.23*	56.*	42.*	54.*	-	-	5.1	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	14.*	-	-	12.0		1
16	-	-	-	-	-	-	-	16.*	-	-	13.8	-	-
17	-	-	-	-	-	-	-	-	-	-	16.3		1
18	-	-	-	-	-	-	-	-	-	-	108.7	-	-
19	-	-	-	-	-	-	-	84.*	-	-	19.5	15	16
20	-	-	-	-	-	-	-	92.*	-	-	21.3	-	-
21	-	-	1.36*	0.84*	1.49*	62.*	-	69.*	-	-	40.3		2
22	-	-	1.50*	0.93*	1.64*	68.*	-	76.*	-	-	44.5	-	-
23	-	-	1.34*	0.80*	1.45*	61.*	-	71.*	-	-	48.2		1
24	-	-	1.45*	0.87*	1.58*	67.*	-	77.*	-	-	52.4	-	-
25	-	-	1.08*	0.53*	1.12*	50.*	-	60.*	-	-	40.1		2
26	-	-	1.26*	0.62*	1.32*	59.*	-	70.*	-	-	46.8	-	-
27	-	-	-	-	-	-	-	64.*	-	-	33.8		1
28	-	-	-	-	-	-	-	75.*	-	-	40.0	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	1.11*	0.49*	1.13*	52.*	-	64.*	-	-	41.0	1	12
31	-	-	1.20*	0.53*	1.22*	56.*	-	70.*	-	-	44.5	-	-
32	-	-	-	-	-	-	-	-	-	-	53.3		3
33	-	-	-	-	-	-	-	-	-	-	57.4	-	-
34	-	-	1.51*	0.98*	1.66*	68.*	-	72.*	-	-	41.0		1
35	-	-	1.63*	1.05*	1.79*	73.*	-	77.*	-	-	44.1	-	-
36	-	-	1.35*	0.81*	1.47*	62.*	-	70.*	-	-	46.3		3
37	-	-	1.45*	0.88*	1.58*	57.*	-	76.*	-	-	50.0	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	2.1		2
40	-	-	-	-	-	-	-	-	-	-	8.6	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	1.5		1
43	-	-	-	-	-	-	-	-	-	-	1.6	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-		1
46	-	-	2.21*	1.45*	2.37*	90.*	-	72.*	-	-	13.8	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-		1
49	1759.*	-	1.09*	0.32*	1.04*	51.*	-	71.*	42.*	-	11.5	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	1.10*	0.36*	1.07*	52.*	27.*	50.*	-	-	2.5		1
58	-	-	1.11*	0.37*	1.08*	52.*	27.*	50.*	-	-	2.5	-	-
59	-	-	1.05*	0.29*	0.99*	49.*	39.*	47.*	-	-	2.7		1
60	-	-	1.08*	0.30*	1.02*	50.*	41.*	48.*	-	-	2.8	-	-
61	2185.*	-	1.07*	0.38*	1.05*	50.*	-	65.*	52.*	-	14.5		1
62	2317.*	-	1.13*	0.40*	1.11*	53.*	-	68.*	55.*	-	15.4	-	-
63	-	-	0.69*	0.45*	0.76*	31.*	-	34.*	-	-	10.4		1
64	-	-	1.64*	1.06*	1.80*	73.*	-	79.*	-	-	24.6	-	-
65	-	-	-	-	-	-	-	-	-	-	13.9		1
66	-	-	-	-	-	-	-	-	-	-	15.0	-	-
67	-	-	0.32*	0.18*	0.34*	15.*	-	16.*	-	-	5.4		2
68	-	-	1.40*	0.82*	1.51*	65.*	-	70.*	-	-	23.9	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	50.*	-	-	10.1	21	6
71	-	-	-	-	-	-	-	54.*	-	-	10.8	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	1.11*	0.60*	1.18*	52.*	37.*	48.	-	-	8.7		2
74	-	-	1.32*	0.71*	1.41*	62.*	44.*	57.	-	-	10.4	-	-
75	-	-	0.95*	0.23*	0.89*	44.*	38.*	43.	-	-	4.6		3
76	-	-	1.06*	0.26*	0.99*	50.*	42.*	48.	-	-	5.1	-	-
77	2566.*	2640.	1.68*	1.12*	1.84*	72.	73.	69.	72.	-	11.1	19	9
78	2877.*	2960.	1.88*	1.26*	2.07*	81.	82.	78.	81.	-	12.5	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Coef. Var.	Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	N Ob
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	1.2*	1.6*	1.0*	-	-	27.4		1	1.9	-	-	-
07	1.4*	1.9*	1.2*	-	-	31.9	-	-	2.2	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	9.2	-	-	-
10	-	-	-	-	-	-	-	-	0.4	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	7.7*	8.0*	7.8*	-	-	34.8		1	18.6	-	-	-
16	8.9*	9.3*	9.0*	-	-	40.0	-	-	21.4	-	-	-
17	13.5*	13.5*	14.7*	-	-	24.3		1	3.3	-	-	-
18	90.3*	89.8*	98.3*	-	-	62.0	-	-	22.0	-	-	-
19	-	-	-	-	-	25.4	22	13	31.7	-	-	-
20	-	-	-	-	-	27.8	-	-	34.6	-	-	-
21	-	-	-	-	-	10.3		2	3.2	-	-	-
22	-	-	-	-	-	11.4	-	-	3.6	-	-	-
23	-	-	-	-	-	12.2		1	4.3	0.32		1
24	-	-	-	-	-	13.3	-	-	4.7	0.35	-	-
25	-	-	-	-	-	11.7		2	1.1	0.45		2
26	-	-	-	-	-	13.6	-	-	1.3	0.53	-	-
27	-	-	-	-	-	12.0		1	1.0	4.46		1
28	-	-	-	-	-	14.2	-	-	1.2	5.27	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	17.9	5	10	2.4	-	-	-
31	-	-	-	-	-	19.5	-	-	2.6	-	-	-
32	-	-	-	-	-	11.4	26	5	22.2	-	-	-
33	-	-	-	-	-	12.3	-	-	23.9	-	-	-
34	-	-	-	-	-	17.2		2	7.6	0.43		1
35	-	-	-	-	-	18.5	-	-	8.2	0.46	-	-
36	-	-	-	-	-	11.3		2	2.6	0.53		1
37	-	-	-	-	-	12.2	-	-	2.9	0.57	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	1.2*	1.2*	1.2*	-	-	7.4		2	-	-	-	-
40	5.2*	4.8*	5.0*	-	-	30.8	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-1.5*	-0.9*	-1.8*	-	-	86.8		1	0.2	-	-	-
43	-1.6*	-1.0*	-1.9*	-	-	92.5	-	-	0.2	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-		1	-	-	-	-
46	9.6*	9.2*	9.9*	-	-	13.9	-	-	3.1	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-		1	-	-	-	-
49	6.6*	7.8*	7.8*	-	-	25.2	-	-	0.5	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-0.8*	-0.2*	-1.1*	-	-	43.4		1	1.0	0.25		1
58	-0.8*	-0.2*	-1.1*	-	-	43.8	-	-	1.0	0.25	-	-
59	-0.5*		-0.8*	-	-	45.3		1	2.6	0.29		1
60	-0.6*		-0.8*	-	-	46.6	-	-	2.7	0.30	-	-
61	9.6*	10.7*	10.7*	-	-	17.0		1	2.8	-	-	-
62	10.1*	11.3*	11.3*	-	-	18.0	-	-	3.0	-	-	-
63	-	-	-	-	-	7.5		1	4.1	-	-	-
64	-	-	-	-	-	17.7	-	-	9.7	-	-	-
65	-	-	-	-	-	10.6		1	2.6	0.18		1
66	-	-	-	-	-	11.4	-	-	2.8	0.19	-	-
67	-	-	-	-	-	3.6		2	1.1	-	-	-
68	-	-	-	-	-	16.2	-	-	4.8	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	6.6*	6.2*	4.8	-	-	38.8		1	9.7	-	-	-
71	7.0*	6.7*	5.2	-	-	41.5	-	-	10.3	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	5.0*	5.3*	4.8	-	-	18.0		2	2.0	0.24		1
74	5.9*	6.3*	5.7	-	-	21.4	-	-	2.3	0.29	-	-
75	1.3*	1.7*	0.9	-	-	36.9		3	2.2	0.21	35	2
76	1.4*	1.9*	1.0	-	-	41.3	-	-	2.4	0.24	-	-
77	8.1	9.1	8.5	8.6	-	5.0	22	9	1.7	0.04		1
78	9.0	10.2	9.6	9.6	-	5.6	-	-	2.0	0.05	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	1.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	1.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	1.41		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	1.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	1.44		1	-	-	-	-	166.6	-	-	-	-	-	-	-	-	-
28	-	1.70	-	-	-	-	-	-	196.9	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	1.04		1	1.08	-	-	-	-	-	-	-	-	-	-	1.40	1.03	0.29
35	-	1.12	-	-	1.16	-	-	-	-	-	-	-	-	-	-	1.51	1.11	0.31
36	-	0.50		1	-	-	-	-	-	14.9	-	3.1	-	-	-	3.12	1.56	1.04
37	-	0.54	-	-	-	-	-	-	-	16.1	-	3.3	-	-	-	3.36	1.68	1.12
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	0.06	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	0.06	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	0.07	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	0.07	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.20		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.21		1	1.25	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	0.25	-	-	1.49	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.12	0.05	67	20	1.68	0.15	-	-	-	-	-	-	-	-	-	-	-	-
76	0.13	0.05	-	-	1.88	0.17	-	-	-	-	-	-	-	-	-	-	-	-
77	0.13	0.45		1	0.49	0.15	-	990▲	113.2	-	-	-	-	-	-	-	-	-
78	0.15	0.51	-	-	0.55	0.17	-	1110▲	126.9	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-GRAIN, GRND, (4)	4-00-526	88.0	2.74*	-	3.09*	3039.*	2.25*	-	2.54*
02			100.0	3.09*	-	3.48*	3420.*	2.53*	-	2.85*
03	-GRAIN SCREENINGS, (4)	4-00-542	88.9	2.79*	-	3.41*	3048.*	2.29*	-	2.79*
04			100.0	3.14*	-	3.84*	3431.*	2.58*	-	3.15*
05	-GRAIN, THRESHER-RUN, MN WT 48	4-08-159	90.0	3.02*	-	3.38*	3334.*	2.40*	-	2.77*
06	LB PER BUSHEL MN 10% MX 20% FOREIGN		100.0	3.35*	-	3.75*	3705.*	2.75*	-	3.08*
07	MATERIAL, (4)		-	-	-	-	-	-	-	-
08	-GRAIN, THRESHER-RUN, MN WT 48	4-08-158	90.0	3.01*	-	3.37*	3340.*	2.47*	-	2.76*
09	LB PER BUSHEL MX 10% FOREIGN MATERIAL,		100.0	3.34*	-	3.74*	3711.*	2.74*	-	3.07*
10	(4)		-	-	-	-	-	-	-	-
11	-GRAIN, THRESHER-RUN, MX WT 48	4-08-156	90.0	2.94*	-	3.32*	3278.*	2.41*	-	2.73*
12	LB PER BUSHEL MN 10% MX 20% FOREIGN		100.0	3.27*	-	3.69*	3642.*	2.68*	-	3.03*
13	MATERIAL, (4)		-	-	-	-	-	-	-	-
14	-GRAIN, THRESHER-RUN, MX WT 48	4-08-155	90.0	2.96*	-	3.36*	3306.*	2.43*	-	2.75*
15	LB PER BUSHEL MX 10% FOREIGN MATERIAL,		100.0	3.29*	-	3.73*	3673.*	2.70*	-	3.06*
16	(4)		-	-	-	-	-	-	-	-
17	-GRAIN, CAN 1 FEED MN WT 46 LB	4-00-531	88.0	3.01*	-	3.26*	3248.*	2.46*	-	2.67*
18	PER BUSHEL MX 4% FOREIGN MATERIAL, (4)		100.0	3.42*	-	3.70*	3691.*	2.80*	-	3.04*
19	-GRAIN, CAN 2 FEED MN WT 43 LB	4-00-532	87.4	2.98*	-	3.23*	3223.*	2.44*	-	2.65*
20	PER BUSHEL MX 10% FOREIGN MATERIAL,		100.0	3.41*	-	3.70*	3690.*	2.80*	-	3.04*
21	(4)		-	-	-	-	-	-	-	-
22	-GRAIN, CAN 3 FEED MX 20% FOREIGN MATERIAL, (4)	4-00-533	87.1	2.94*	-	3.20*	3199.*	2.41*	-	2.63*
23			100.0	3.38*	-	3.68*	3672.*	2.77*	-	3.02*
24	-GRAIN, GR 3 US MN WT 43 LB	4-00-537	88.1	2.91*	-	3.22*	3209.*	2.39*	-	2.64*
25	PER BUSHEL MX 3% FOREIGN MATERIAL, (4)		100.0	3.31*	-	3.66*	3643.*	2.71*	-	3.00*
26	-GRAIN, GR 2 US MN WT 45 LB	4-00-536	88.4	-	-	-	-	-	-	-
27	PER BUSHEL MX 2% FOREIGN MATERIAL, (4)		100.0	-	-	-	-	-	-	-
28	-GRAIN, GR 5 US MN WT 36 LB	4-00-540	88.6	2.78*	-	3.00*	3078.*	2.28*	-	2.46*
29	PER BUSHEL MX 6% FOREIGN MATERIAL, (4)		100.0	3.14*	-	3.39*	3474.*	2.58*	-	2.78*
30	-GRAIN, GR 1 US MN WT 47 LB	4-00-535	88.4	2.97*	-	3.27*	3254.*	2.44*	-	2.68*
31	PER BUSHEL MX 1% FOREIGN MATERIAL, (4)		100.0	3.36*	-	3.69*	3680.*	2.76*	-	3.03*
32	-GRAIN, PACIFIC COAST, (4)	4-07-939	89.2	2.97*	-	3.45*	3315.*	2.43*	-	2.83*
33			100.0	3.33*	-	3.86*	3718.*	2.73*	-	3.17*
34	-DISTILLERS SOLUBLES, DEHY, (5)	5-00-520	-	-	-	-	-	-	-	-
35	BARLEY DISTILLERS DRIED SOLUBLES (AAFCO)		100.0	3.42*	-	3.81*	-	2.80*	-	3.12*
36	-DISTILLERS STILLAGE, (5)	5-09-756	-	-	-	-	-	-	-	-
37			100.0	3.43*	-	3.98*	-	2.82*	-	3.26*
38	-MALT SPROUTS W HULLS, DEHY, MN 24% PROTEIN, (5)	5-00-545	92.1	2.48*	-	2.80*	-	2.03*	-	2.29*
39	MALT SPROUTS (AAFCO)		100.0	2.69*	-	3.04*	-	2.21*	-	2.49*
40	HYDROLYZED POULTRY FEATHERS (AAFCO)		-	-	-	-	-	-	-	-
41	-SEE POULTRY, FEATHERS, HYDROLYZED		-	-	-	-	-	-	-	-
42	DEHY GRND, MN 75% OF PROTEIN		-	-	-	-	-	-	-	-
43	DIGESTIBLE, (5)		-	-	-	-	-	-	-	-
44	HYMENACHNE AMPLEXICANS		-	-	-	-	-	-	-	-
45	-AERIAL PART, FRESH, (2)	2-11-064	-	-	-	-	-	-	-	-
46			100.0	2.62*	-	2.63*	-	2.15*	-	2.16*
47	HYPARRHENIA RUFA, JARAGUA		-	-	-	-	-	-	-	-
48	-AERIAL PART, DEHY, (1)	1-10-766	91.8	1.90*	1.91*	1.85*	-	1.55*	1.57*	1.52*
49			100.0	2.06*	2.08*	2.02*	-	1.69*	1.70*	1.66*
50	-AERIAL PART, DEHY GRND, (1)	1-10-767	90.0	1.86*	1.70*	1.85*	-	1.52*	1.40*	1.52*
51			100.0	2.06*	1.89*	2.06*	-	1.69*	1.55*	1.69*
52	-HAY, S-C, (1)	1-09-455	90.6	1.95*	1.51*	1.92*	-	1.60*	1.24*	1.58*
53			100.0	2.15*	1.66*	2.12*	-	1.77*	1.36*	1.74*
54	-AERIAL PART, FRESH, (2)	2-09-407	32.6	0.73*	-	0.79*	-	0.60*	-	0.65*
55			100.0	2.25*	-	2.43*	-	1.85*	-	2.00*
56	-AERIAL PART, FRESH, 11 TO 17 DAYS' GROWTH, (2)	2-09-795	22.5	0.53*	-	0.56*	-	0.44*	-	0.46*
57			100.0	2.37*	-	2.48*	-	1.94*	-	2.04*
58	-AERIAL PART, FRESH, 11 TO 17	2-10-752	17.0	-	-	0.41*	-	-	-	0.33*
59	DAYS' GROWTH, CUT 1, (2)		100.0	-	-	2.39*	-	-	-	1.96*
60	-AERIAL PART, FRESH, 11 TO 17	2-10-747	20.0	-	-	0.49*	-	-	-	0.40*
61	DAYS' GROWTH, CUT 2, (2)		100.0	-	-	2.45*	-	-	-	2.01*
62	-AERIAL PART, FRESH, 11 TO 17	2-10-760	20.0	0.53*	-	0.50*	-	0.43*	-	0.41*
63	DAYS' GROWTH, CUT 3, (2)		100.0	2.63*	-	2.48*	-	2.15*	-	2.04*
64	-AERIAL PART, FRESH, 11 TO 17	2-10-742	24.5	0.61*	-	0.62*	-	0.50*	-	0.51*
65	DAYS' GROWTH, CUT 4, (2)		100.0	2.49*	-	2.54*	-	2.04*	-	2.08*
66	-AERIAL PART, FRESH, 11 TO 17	2-10-748	32.5	0.77*	-	0.80*	-	0.63*	-	0.66*
67	DAYS' GROWTH, CUT 6, (2)		100.0	2.37*	-	2.46*	-	1.95*	-	2.02*
68	-AERIAL PART, FRESH, 11 TO 17	2-10-756	31.5	0.78*	-	0.79*	-	0.64*	-	0.65*
69	DAYS' GROWTH, CUT 7, (2)		100.0	2.46*	-	2.51*	-	2.02*	-	2.06*
70	-AERIAL PART, FRESH, 11 TO 17	2-10-743	37.5	0.94*	-	0.95*	-	0.77*	-	0.78*
71	DAYS' GROWTH, CUT 8, (2)		100.0	2.50*	-	2.53*	-	2.05*	-	2.08*
72	-AERIAL PART, FRESH, 11 TO 17	2-10-757	31.5	0.83*	-	0.83*	-	0.68*	-	0.68*
73	DAYS' GROWTH, CUT 9, (2)		100.0	2.64*	-	2.64*	-	2.17*	-	2.16*
74	-AERIAL PART, FRESH, 11 TO 17	2-10-749	28.0	0.72*	-	0.72*	-	0.59*	-	0.59*
75	DAYS' GROWTH, CUT 10, (2)		100.0	2.58*	-	2.58*	-	2.12*	-	2.12*
76	-AERIAL PART, FRESH, 11 TO 17	2-10-741	22.5	0.56*	-	0.56*	-	0.46*	-	0.46*
77	DAYS' GROWTH, CUT 12, (2)		100.0	2.48*	-	2.49*	-	2.04*	-	2.04*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	2917.*	-	1.37*	0.87*	1.51*	62.*	-	70.*	69.*	-	8.3		1
02	3283.*	-	1.55*	0.98*	1.70*	70.*	-	79.*	78.*	-	9.3	-	-
03	2926.*	-	1.40*	0.90*	1.54*	63.*	-	77.	69.*	-	11.5	3	4
04	3293.*	-	1.58*	1.01*	1.74*	71.*	-	87.	78.*	-	13.0	-	-
05	3201.*	-	1.56*	1.03*	1.71*	68.*	-	77.*	76.*	-	11.8	6	4
06	3557.*	-	1.73*	1.14*	1.90*	76.*	-	85.*	84.*	-	13.1	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	3206.*	-	1.55*	1.02*	1.71*	68.*	-	76.*	76.*	-	11.3	6	9
09	3562.*	-	1.72*	1.13*	1.89*	76.*	-	85.*	84.*	-	12.6	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	3147.*	-	1.50*	0.98*	1.65*	67.*	-	75.*	74.*	-	11.7	5	8
12	3497.*	-	1.67*	1.09*	1.84*	74.*	-	84.*	83.*	-	13.0	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	3174.*	-	1.51*	0.99*	1.67*	67.*	-	76.*	75.*	-	11.8		3
15	3526.*	-	1.68*	1.10*	1.86*	75.*	-	85.*	83.*	-	13.1	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	3118.*	2427.	1.56*	1.03*	1.72*	68.*	-	74.*	74.*	-	11.6	12	15
18	3543.*	2758.	1.77*	1.18*	1.95*	77.*	-	84.*	84.*	-	13.2	-	-
19	3094.*	-	1.55*	1.03*	1.70*	68.*	-	73.*	73.*	-	11.5	13	44
20	3542.*	-	1.77*	1.17*	1.95*	77.*	-	84.*	84.*	-	13.2	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	3071.*	-	1.52*	1.01*	1.68*	67.*	-	73.*	73.*	-	11.2	8	27
23	3525.*	-	1.75*	1.15*	1.92*	77.*	-	83.*	83.*	-	12.9	-	-
24	3081.*	-	1.49*	0.98*	1.65*	66.*	-	73.*	73.*	-	11.1		2
25	3497.*	-	1.69*	1.11*	1.87*	75.*	-	83.*	83.*	-	12.6	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	2955.*	-	1.40*	0.82*	1.54*	63.*	-	68.*	70.*	-	11.9	9	4
29	3335.*	-	1.58*	1.01*	1.74*	71.*	-	77.*	79.*	-	13.4	-	-
30	3124.*	-	1.53*	1.01*	1.69*	67.*	-	74.*	74.*	-	11.5		3
31	3533.*	-	1.73*	1.15*	1.91*	76.*	-	84.*	83.*	-	13.0	-	-
32	3182.*	2914.	1.52*	1.00*	1.68*	67.*	-	78.*	75.*	-	8.7		2
33	3569.*	3268.	1.71*	1.12*	1.88*	75.*	-	88.*	84.*	-	9.8	-	-
34	-	-	-	-	-	-	-	-	-	-	-		1
35	-	-	1.78*	1.18*	1.96*	78.*	-	86.*	-	-	31.8	-	-
36	-	-	-	-	-	-	-	-	-	-	-		1
37	-	-	1.79*	1.19*	1.97*	78.*	-	90.*	-	-	31.7	-	-
38	-	1431.	1.21*	0.64*	1.28*	56.*	-	63.	-	-	25.8	2	4
39	-	1554.	1.31*	0.69*	1.38*	61.*	-	69.	-	-	28.0	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	11	5
46	-	-	1.27*	0.64*	1.33*	59.*	-	60.*	-	-	10.6	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	0.93*	0.13*	0.82*	43.*	48.*	42.*	-	-	4.5		1
49	-	-	1.01*	0.14*	0.90*	47.*	52.*	46.*	-	-	4.9	-	-
50	-	-	0.91*	0.13*	0.81*	42.*	42.*	42.*	-	-	5.8		1
51	-	-	1.01*	0.14*	0.90*	47.*	47.*	47.*	-	-	6.4	-	-
52	-	-	0.95*	0.21*	0.88*	44.*	37.*	44.*	-	-	4.1	63	10
53	-	-	1.05*	0.23*	0.97*	49.*	41.*	48.*	-	-	4.5	-	-
54	-	-	0.36*	0.11*	0.34*	17.*	-	18.*	-	-	2.1	40	22
55	-	-	1.09*	0.32*	1.04*	51.*	-	55.*	-	-	6.4	-	-
56	-	-	0.26*	0.10*	0.26*	12.*	-	13.*	-	-	1.9		2
57	-	-	1.15*	0.43*	1.14*	54.*	-	56.*	-	-	8.6	-	-
58	-	-	-	-	-	-	-	9.*	-	-	2.8		1
59	-	-	-	-	-	-	-	54.*	-	-	16.4	-	-
60	-	-	-	-	-	-	-	11.*	-	-	2.9		1
61	-	-	-	-	-	-	-	56.*	-	-	14.6	-	-
62	-	-	0.25*	0.13*	0.27*	12.*	-	1.*	-	-	2.4		1
63	-	-	1.27*	0.64*	1.34*	60.*	-	56.*	-	-	11.8	-	-
64	-	-	0.30*	0.13*	0.30*	14.*	-	14.*	-	-	2.5		1
65	-	-	1.21*	0.53*	1.23*	57.*	-	58.*	-	-	10.4	-	-
66	-	-	0.37*	0.14*	0.37*	18.*	-	18.*	-	-	2.8		1
67	-	-	1.15*	0.43*	1.14*	54.*	-	56.*	-	-	8.5	-	-
68	-	-	0.38*	0.16*	0.38*	18.*	-	18.*	-	-	2.6		1
69	-	-	1.19*	0.51*	1.21*	56.*	-	57.*	-	-	8.4	-	-
70	-	-	0.45*	0.20*	0.46*	21.*	-	22.*	-	-	3.3		1
71	-	-	1.21*	0.54*	1.24*	57.*	-	57.*	-	-	8.7	-	-
72	-	-	0.40*	0.21*	0.42*	19.*	-	19.*	-	-	4.4		1
73	-	-	1.28*	0.66*	1.35*	60.*	-	60.*	-	-	13.9	-	-
74	-	-	0.35*	0.17*	0.36*	16.*	-	16.*	-	-	3.4		1
75	-	-	1.25*	0.61*	1.30*	59.*	-	59.*	-	-	12.2	-	-
76	-	-	0.27*	0.12*	0.28*	13.*	-	13.*	-	-	2.6		1
[illegible]		-	1.20*	0.53*	1.22*	56.*	-	57.*	-	-	11.5	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	4.1*	5.1*	5.1*	-	-	11.4		1	2.2	-	-	-
02	4.6*	5.8*	5.8*	-	-	12.8	-	-	2.5	-	-	-
03	7.0*	8.1*	9.2	-	-	9.3	67	4	2.3	0.41		1
04	7.2*	9.1*	10.4	-	-	10.5	-	-	2.6	0.46	-	-
05	7.3*	8.3*	8.3*	-	-	4.5	12	4	0.9	-	-	-
06	8.1*	9.3*	9.3*	-	-	4.9	-	-	1.0	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	6.8*	7.9*	7.9*	-	-	4.5	11	9	1.0	-	-	-
09	7.6*	8.8*	8.8*	-	-	5.0	-	-	1.1	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	7.2*	8.2*	8.2*	-	-	5.9	5	8	1.0	-	-	-
12	8.0*	9.1*	9.1*	-	-	6.6	-	-	1.1	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	7.2*	8.3*	8.3*	-	-	5.1		3	0.8	-	-	-
15	8.0*	9.2*	9.2*	-	-	5.7	-	-	0.9	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	7.2*	8.2*	8.2*	-	-	5.0	15	20	1.9	0.05	23	95
18	8.2*	9.3*	9.3*	-	-	5.7	-	-	2.2	0.06	-	-
19	7.1*	8.1*	8.1*	-	-	5.0	15	18	1.9	0.05	23	76
20	8.1*	9.3*	9.3*	-	-	5.7	-	-	2.2	0.06	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	6.8*	7.8*	7.8*	-	-	5.4	15	16	2.0	0.08	74	11
23	7.8*	9.0*	9.0*	-	-	6.2	-	-	2.3	0.09	-	-
24	6.7*	7.8*	7.8*	-	-	6.1		2	1.7	0.05		1
25	7.6*	8.8*	8.8*	-	-	6.9	-	-	1.9	0.06	-	-
26	-	-	-	-	-	-	-	-	-	0.05		1
27	-	-	-	-	-	-	-	-	-	0.06	-	-
28	7.4*	8.4*	9.0	-	-	8.2	14	4	2.0	-	-	-
29	8.3*	9.5*	10.2	-	-	9.3	-	-	2.3	-	-	-
30	7.0*	8.1*	8.1*	-	-	5.0		3	1.8	0.24		1
31	7.9*	9.1*	9.1*	-	-	5.7	-	-	2.1	0.27	-	-
32	4.5*	5.5*	5.5*	-	-	6.0		2	1.9	0.06		2
33	5.0*	6.2*	6.2*	-	-	6.7	-	-	2.1	0.07	-	-
34	-	-	-	-	-	-		1	-	-	-	-
35	-	-	-	-	-	13.1	-	-	8.1	-	-	-
36	-	-	-	-	-	-		1	-	-	-	-
37	-	-	-	-	-	11.1	-	-	10.1	-	-	-
38	-	-	21.6	-	-	17.3	37	5	1.4	0.24		2
39	-	-	23.5	-	-	18.8	-	-	1.6	0.26	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	11	5	-	-	-	-
46	6.9*	6.5*	6.9*	-	-	29.6	-	-	1.4	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	1.1*	1.6*	0.9*	-	-	32.8		1	3.2	-	-	-
49	1.2*	1.7*	1.0*	-	-	35.7	-	-	3.5	-	-	-
50	2.3*	2.7*	2.1*	-	-	33.2		1	2.5	0.45		1
51	2.5*	3.0*	2.4*	-	-	36.9	-	-	2.8	0.50	-	-
52	0.7*	1.2*	0.5*	-	-	32.5	8	10	1.8	0.50		2
53	0.8*	1.3*	0.6*	-	-	35.9	-	-	2.0	0.55	-	-
54	1.1*	1.0*	1.0*	-	20.9	10.5	8	92	0.7	0.13	31	74
55	3.4*	3.0*	3.0*	-	64.2	32.1	-	-	2.3	0.41	-	-
56	1.2*	1.1*	1.1*	-	-	7.3		2	1.0	-	-	-
57	5.2*	4.9*	5.0*	-	-	32.6	-	-	4.6	-	-	-
58	2.0*	1.9*	2.1*	-	-	6.3		1	0.3	-	-	-
59	11.8*	11.5*	12.3*	-	-	36.9	-	-	1.7	-	-	-
60	2.1*	2.0*	2.1*	-	-	7.1		1	0.4	-	-	-
61	10.3*	10.0*	10.6*	-	-	35.4	-	-	2.2	-	-	-
62	1.6*	1.5*	1.6*	-	-	6.7		1	0.2	-	-	-
63	7.9*	7.5*	8.0*	-	-	33.6	-	-	1.2	-	-	-
64	1.6*	1.6*	1.6*	-	-	8.0		1	0.4	-	-	-
65	6.7*	6.4*	6.7*	-	-	32.5	-	-	1.7	-	-	-
66	1.7*	1.5*	1.6*	-	-	11.5		1	0.5	-	-	-
67	5.1*	4.7*	4.9*	-	-	35.5	-	-	1.6	-	-	-
68	1.6*	1.5*	1.5*	-	-	9.9		1	0.5	-	-	-
69	5.0*	4.7*	4.8*	-	-	31.5	-	-	1.6	-	-	-
70	2.0*	1.8*	1.9*	-	-	11.7		1	0.6	-	-	-
71	5.3*	4.9*	5.1*	-	-	31.1	-	-	1.5	-	-	-
72	3.1*	2.9*	3.1*	-	-	9.1		1	0.6	-	-	-
73	9.7*	9.3*	9.9*	-	-	29.0	-	-	1.8	-	-	-
74	2.3*	2.2*	2.3*	-	-	8.5		1	0.5	-	-	-
75	8.3*	7.9*	8.4*	-	-	30.2	-	-	1.7	-	-	-
76	1.7*	1.6*	1.7*	-	-	8.0		1	0.4	-	-	-
77	7.7*	7.3*	7.7*	-	-	35.5	-	-	1.7	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	0.29		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	0.10	0.35	17	94	0.38	-	-	-1.	62.6	9.2	-	1.2	-	-	-	0.39	0.14	-
18	0.11	0.40	-	-	0.43	-	-	-1.	71.1	10.4	-	1.4	-	-	-	0.44	0.15	-
19	0.14	0.36	17	26	-	-	-	-	100.5	9.6	-	1.6	-	-	-	0.42	0.12	-
20	0.16	0.41	-	-	-	-	-	-	115.0	11.0	-	1.8	-	-	-	0.48	0.13	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.14	0.34	20	11	-	-	-	-	90.6	13.4	-	1.4	-	-	-	0.42	0.10	-
23	0.16	0.39	-	-	-	-	-	-	104.0	15.4	-	1.6	-	-	-	0.48	0.11	-
24	-	0.34		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.31		1	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-
27	-	0.35	-	-	-	-	-	-	-	-	-	0.7	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.36		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	0.33		2	-	-	-	1009_A	44.8	7.4	-	1.3	-	-	0.15	0.30	0.13	0.11
33	-	0.37	-	-	-	-	-	1131_A	50.3	8.3	-	1.5	-	-	0.17	0.34	0.15	0.13
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.18	0.77		3	0.21	0.79	-	-	57.7	-	-	10.4	-	-	0.25	1.34	0.35	0.41
39	0.19	0.84	-	-	0.23	0.86	-	-	62.7	-	-	11.2	-	-	0.28	1.45	0.38	0.45
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	0.15		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.13		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	0.05	0.04	42	74	0.29	0.03	-	-	-	-	-	-	-	-	-	-	-	-
55	0.14	0.13	-	-	0.90	0.08	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, 11 TO 17	2-10-753	35.0	0.82*	-	0.86*	-	0.68*	-	0.71*
02	DAYS' GROWTH, CUT 13, (2)		100.0	2.35*	-	2.46*	-	1.93*	-	2.02*
03	-AERIAL PART, FRESH, 11 TO 17	2-10-754	35.0	0.83*	-	0.86*	-	0.68*	-	0.71*
04	DAYS' GROWTH, CUT 14, (2)		100.0	2.36*	-	2.46*	-	1.94*	-	2.02*
05	-AERIAL PART, FRESH, 11 TO 17	2-10-758	32.5	0.79*	-	0.81*	-	0.65*	-	0.66*
06	DAYS' GROWTH, CUT 15, (2)		100.0	2.43*	-	2.48*	-	1.99*	-	2.03*
07	-AERIAL PART, FRESH, 11 TO 17	2-10-750	18.0	0.48*	-	0.47*	-	0.39*	-	0.39*
08	DAYS' GROWTH, CUT 16, (2)		100.0	2.65*	-	2.62*	-	2.17*	-	2.15*
09	-AERIAL PART, FRESH, 11 TO 17	2-10-755	27.5	0.69*	-	0.69*	-	0.56*	-	0.57*
10	DAYS' GROWTH, CUT 19, (2)		100.0	2.50*	-	2.52*	-	2.05*	-	2.07*
11	-AERIAL PART, FRESH, 11 TO 17	2-10-759	25.5	0.62*	-	0.61*	-	0.51*	-	0.50*
12	DAYS' GROWTH, CUT 20, (2)		100.0	2.45*	-	2.38*	-	2.01*	-	1.95*
13	-AERIAL PART, FRESH, 11 TO 17	2-10-751	30.0	0.71*	-	0.70*	-	0.58*	-	0.57*
14	DAYS' GROWTH, CUT 21, (2)		100.0	2.37*	-	2.32*	-	1.94*	-	1.90*
15	-AERIAL PART, FRESH, 11 TO 17	2-10-745	30.5	0.73*	-	0.71*	-	0.60*	-	0.58*
16	DAYS' GROWTH, CUT 23, (2)		100.0	2.40*	-	2.32*	-	1.96*	-	1.90*
17	-AERIAL PART, FRESH, 11 TO 17	2-10-761	28.5	0.69*	-	0.67*	-	0.57*	-	0.55*
18	DAYS' GROWTH, CUT 24, (2)		100.0	2.44*	-	2.34*	-	2.00*	-	1.92*
19	-AERIAL PART, FRESH, 11 TO 17	2-10-746	26.0	0.64*	-	0.60*	-	0.53*	-	0.49*
20	DAYS' GROWTH, CUT 25, (2)		100.0	2.48*	-	2.30*	-	2.03*	-	1.89*
21	-AERIAL PART, FRESH, 18 TO 24 DAYS' GROWTH, (2)	2-09-725	-	-	-	-	-	-	-	-
22			100.0	2.44*	-	2.52*	-	2.00*	-	2.07*
23	-AERIAL PART, FRESH, 18 TO 24	2-09-726	-	-	-	-	-	-	-	-
24	DAYS' GROWTH, CUT 2, (2)		100.0	2.81*	-	2.61*	-	2.30*	-	2.14*
25	-AERIAL PART, FRESH, 18 TO 24	2-09-727	-	-	-	-	-	-	-	-
26	DAYS' GROWTH, CUT 3, (2)		100.0	2.42*	-	2.53*	-	1.98*	-	2.08*
27	-AERIAL PART, FRESH, 18 TO 24	2-09-728	-	-	-	-	-	-	-	-
28	DAYS' GROWTH, CUT 4, (2)		100.0	2.41*	-	2.52*	-	1.97*	-	2.06*
29	-AERIAL PART, FRESH, 18 TO 24	2-09-729	-	-	-	-	-	-	-	-
30	DAYS' GROWTH, CUT 5, (2)		100.0	2.34*	-	2.47*	-	1.92*	-	2.03*
31	-AERIAL PART, FRESH, 18 TO 24	2-10-764	30.0	0.69*	-	0.75*	-	0.57*	-	0.61*
32	DAYS' GROWTH, CUT 5, (2)		100.0	2.31*	-	2.49*	-	1.89*	-	2.05*
33	-AERIAL PART, FRESH, 18 TO 24	2-09-739	-	-	-	-	-	-	-	-
34	DAYS' GROWTH, CUT 6, (2)		100.0	2.31*	-	2.49*	-	1.89*	-	2.04*
35	-AERIAL PART, FRESH, 18 TO 24	2-09-740	-	-	-	-	-	-	-	-
36	DAYS' GROWTH, CUT 7, (2)		100.0	2.31*	-	2.46*	-	1.89*	-	2.02*
37	-AERIAL PART, FRESH, 18 TO 24	2-10-765	24.5	0.62*	-	0.62*	-	0.51*	-	0.50*
38	DAYS' GROWTH, CUT 11, (2)		100.0	2.52*	-	2.51*	-	2.07*	-	2.06*
39	-AERIAL PART, FRESH, 18 TO 24	2-10-762	24.0	0.63*	-	0.59*	-	0.51*	-	0.48*
40	DAYS' GROWTH, CUT 17, (2)		100.0	2.61*	-	2.46*	-	2.14*	-	2.02*
41	-AERIAL PART, FRESH, 18 TO 24	2-10-763	33.0	0.78*	-	0.76*	-	0.64*	-	0.62*
42	DAYS' GROWTH, CUT 22, (2)		100.0	2.37*	-	2.29*	-	1.94*	-	1.88*
43	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-10-098	23.2	-	-	-	-	-	-	-
44			100.0	-	-	-	-	-	-	-
45	-AERIAL PART, FRESH, 25 TO 31	2-09-796	19.0	0.50*	-	0.51*	-	0.41*	-	0.42*
46	DAYS' GROWTH, CUT 1, (2)		100.0	2.65*	-	2.70*	-	2.17*	-	2.22*
47	-AERIAL PART, FRESH, 25 TO 31	2-09-797	22.0	0.51*	-	0.56*	-	0.42*	-	0.46*
48	DAYS' GROWTH, CUT 2, (2)		100.0	2.33*	-	2.54*	-	1.91*	-	2.08*
49	-AERIAL PART, FRESH, 25 TO 31	2-09-798	22.0	0.51*	-	0.56*	-	0.42*	-	0.46*
50	DAYS' GROWTH, CUT 3, (2)		100.0	2.32*	-	2.53*	-	1.91*	-	2.08*
51	-AERIAL PART, FRESH, 25 TO 31	2-09-799	23.0	0.53*	-	0.57*	-	0.43*	-	0.47*
52	DAYS' GROWTH, CUT 4, (2)		100.0	2.30*	-	2.49*	-	1.89*	-	2.04*
53	-AERIAL PART, FRESH, 25 TO 31	2-09-759	30.5	0.72*	-	0.76*	-	0.59*	-	0.62*
54	DAYS' GROWTH, CUT 5, (2)		100.0	2.37*	-	2.48*	-	1.95*	-	2.03*
55	-AERIAL PART, FRESH, 25 TO 31	2-09-760	20.0	0.49*	-	0.51*	-	0.40*	-	0.42*
56	DAYS' GROWTH, CUT 6, (2)		100.0	2.46*	-	2.57*	-	2.02*	-	2.11*
57	-AERIAL PART, FRESH, 25 TO 31	2-09-761	25.0	0.54*	-	0.62*	-	0.44*	-	0.51*
58	DAYS' GROWTH, CUT 7, (2)		100.0	2.14*	-	2.48*	-	1.76*	-	2.03*
59	-AERIAL PART, FRESH, 25 TO 31	2-09-762	25.0	0.57*	-	0.62*	-	0.47*	-	0.51*
60	DAYS' GROWTH, CUT 8, (2)		100.0	2.30*	-	2.49*	-	1.88*	-	2.04*
61	-AERIAL PART, FRESH, 25 TO 31	2-09-763	22.0	0.52*	-	0.56*	-	0.43*	-	0.46*
62	DAYS' GROWTH, CUT 9, (2)		100.0	2.38*	-	2.56*	-	1.95*	-	2.10*
63	-AERIAL PART, FRESH, 25 TO 31	2-09-764	19.0	0.43*	-	0.46*	-	0.36*	-	0.38*
64	DAYS' GROWTH, CUT 10, (2)		100.0	2.28*	-	2.41*	-	1.87*	-	1.98*
65	-AERIAL PART, FRESH, 25 TO 31	2-09-500	21.0	0.45*	-	0.52*	-	0.37*	-	0.43*
66	DAYS' GROWTH, CUT 11, (2)		100.0	2.17*	-	2.48*	-	1.78*	-	2.03*
67	-AERIAL PART, FRESH, 25 TO 31	2-09-501	21.0	0.50*	-	0.50*	-	0.41*	-	0.41*
68	DAYS' GROWTH, CUT 12, (2)		100.0	2.36*	-	2.36*	-	1.93*	-	1.94*
69	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-099	29.6	-	-	-	-	-	-	-
70			100.0	-	-	-	-	-	-	-
71	-AERIAL PART, FRESH, 39 TO 45	2-09-502	20.9	0.50*	-	0.53*	-	0.41*	-	0.44*
72	DAYS' GROWTH, CUT 1, (2)		100.0	2.40*	-	2.55*	-	1.97*	-	2.09*
73	-AERIAL PART, FRESH, 39 TO 45	2-09-503	21.0	0.50*	-	0.53*	-	0.41*	-	0.43*
74	DAYS' GROWTH, CUT 2, (2)		100.0	2.39*	-	2.51*	-	1.96*	-	2.06*
75	-AERIAL PART, FRESH, 39 TO 45	2-09-504	27.0	0.64*	-	0.64*	-	0.52*	-	0.52*
76	DAYS' GROWTH, CUT 3, (2)		100.0	2.35*	-	2.35*	-	1.93*	-	1.93*
77	-AERIAL PART, FRESH, 39 TO 45	2-09-505	25.0	0.55*	-	0.60*	-	0.45*	-	0.49*
78	DAYS' GROWTH, CUT 4, (2)		100.0	2.19*	-	2.41*	-	1.79*	-	1.97*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.40*	0.14*	0.39*	19.*	-	20.*	-	-	2.3		1
02	-	-	1.14*	0.41*	1.12*	53.*	-	56.*	-	-	6.7	-	-
03	-	-	0.40*	0.15*	0.39*	19.*	-	20.*	-	-	2.9		1
04	-	-	1.14*	0.42*	1.13*	54.*	-	56.*	-	-	8.2	-	-
05	-	-	0.38*	0.16*	0.38*	18.*	-	18.*	-	-	2.4		1
06	-	-	1.17*	0.48*	1.18*	55.*	-	56.*	-	-	7.5	-	-
07	-	-	0.23*	0.12*	0.24*	11.*	-	11.*	-	-	2.6		1
08	-	-	1.29*	0.66*	1.35*	60.*	-	59.*	-	-	14.7	-	-
09	-	-	0.33*	0.15*	0.34*	16.*	-	16.*	-	-	2.8		1
10	-	-	1.21*	0.54*	1.23*	57.*	-	57.*	-	-	10.2	-	-
11	-	-	0.30*	0.13*	0.31*	14.*	-	14.*	-	-	2.2		1
12	-	-	1.18*	0.50*	1.20*	56.*	-	54.*	-	-	8.7	-	-
13	-	-	0.34*	0.13*	0.34*	16.*	-	16.*	-	-	2.0		1
14	-	-	1.14*	0.43*	1.13*	54.*	-	53.*	-	-	6.5	-	-
15	-	-	0.35*	0.14*	0.35*	17.*	-	16.*	-	-	2.3		1
16	-	-	1.16*	0.45*	1.16*	54.*	-	53.*	-	-	7.4	-	-
17	-	-	0.34*	0.14*	0.34*	16.*	-	15.*	-	-	2.5		1
18	-	-	1.18*	0.49*	1.19*	55.*	-	53.*	-	-	8.6	-	-
19	-	-	0.31*	0.14*	0.32*	15.*	-	14.*	-	-	2.2		1
20	-	-	1.20*	0.52*	1.22*	56.*	-	52.*	-	-	8.5	-	-
21	-	-	-	-	-	-	-	-	-	-	-	21	4
22	-	-	1.18*	0.49*	1.19*	55.*	-	57.*	-	-	7.2	-	-
23	-	-	-	-	-	-	-	-	-	-	-	10	4
24	-	-	1.39*	0.78*	1.48*	64.*	-	59.*	-	-	6.5	-	-
25	-	-	-	-	-	-	-	-	-	-	-	12	4
26	-	-	1.17*	0.47*	1.17*	55.*	-	57.*	-	-	5.1	-	-
27	-	-	-	-	-	-	-	-	-	-	-	12	4
28	-	-	1.16*	0.46*	1.16*	55.*	-	57.*	-	-	4.7	-	-
29	-	-	-	-	-	-	-	-	-	-	-	14	5
30	-	-	1.13*	0.40*	1.11*	53.*	-	56.*	-	-	4.3	-	-
31	-	-	0.33*	0.11*	0.33*	16.*	-	17.*	-	-	2.7		1
32	-	-	1.12*	0.37*	1.09*	52.*	-	57.*	-	-	9.1	-	-
33	-	-	-	-	-	-	-	-	-	-	-	11	7
34	-	-	1.11*	0.37*	1.08*	52.*	-	56.*	-	-	4.1	-	-
35	-	-	-	-	-	-	-	-	-	-	-	7	4
36	-	-	1.11*	0.37*	1.08*	52.*	-	56.*	-	-	3.7	-	-
37	-	-	0.30*	0.14*	0.31*	14.*	-	14.*	-	-	2.8		1
38	-	-	1.22*	0.56*	1.25*	57.*	-	57.*	-	-	11.5	-	-
39	-	-	0.30*	0.15*	0.32*	14.*	-	13.*	-	-	3.7		1
40	-	-	1.27*	0.63*	1.33*	59.*	-	56.*	-	-	15.3	-	-
41	-	-	0.38*	0.14*	0.37*	18.*	-	17.*	-	-	2.6		1
42	-	-	1.15*	0.43*	1.14*	54.*	-	52.*	-	-	7.8	-	-
43	-	-	-	-	-	-	-	-	-	-	2.2		1
44	-	-	-	-	-	-	-	-	-	-	9.3	-	-
45	-	-	0.24*	0.13*	0.26*	11.*	-	12.*	-	-	2.1		1
46	-	-	1.29*	0.66*	1.35*	60.*	-	61.*	-	-	11.2	-	-
47	-	-	0.25*	0.09*	0.24*	12.*	-	13.*	-	-	2.5		1
48	-	-	1.13*	0.39*	1.10*	53.*	-	58.*	-	-	11.5	-	-
49	-	-	0.25*	0.09*	0.24*	12.*	-	13.*	-	-	2.2		1
50	-	-	1.12*	0.39*	1.10*	53.*	-	57.*	-	-	10.1	-	-
51	-	-	0.26*	0.09*	0.25*	12.*	-	13.*	-	-	1.4		1
52	-	-	1.11*	0.37*	1.08*	52.*	-	57.*	-	-	6.3	-	-
53	-	-	0.35*	0.13*	0.35*	16.*	-	17.*	-	-	2.5		2
54	-	-	1.15*	0.43*	1.14*	54.*	-	56.*	-	-	8.1	-	-
55	-	-	0.24*	0.10*	0.24*	11.*	-	12.*	-	-	2.0		1
56	-	-	1.19*	0.50*	1.20*	56.*	-	58.*	-	-	9.9	-	-
57	-	-	0.26*	0.05*	0.24*	12.*	-	14.*	-	-	2.5		1
58	-	-	1.04*	0.22*	0.96*	49.*	-	56.*	-	-	10.0	-	-
59	-	-	0.28*	0.09*	0.27*	13.*	-	14.*	-	-	2.6		1
60	-	-	1.11*	0.36*	1.08*	52.*	-	56.*	-	-	10.2	-	-
61	-	-	0.25*	0.10*	0.25*	12.*	-	13.*	-	-	2.1		1
62	-	-	1.15*	0.44*	1.15*	54.*	-	58.*	-	-	9.3	-	-
63	-	-	0.21*	0.07*	0.20*	10.*	-	10.*	-	-	1.7		1
64	-	-	1.10*	0.35*	1.07*	52.*	-	55.*	-	-	9.1	-	-
65	-	-	0.22*	0.05*	0.21*	10.*	-	12.*	-	-	2.1		1
66	-	-	1.05*	0.24*	0.98*	49.*	-	56.*	-	-	10.1	-	-
67	-	-	0.24*	0.09*	0.24*	11.*	-	11.*	-	-	1.6		1
68	-	-	1.14*	0.42*	1.13*	53.*	-	54.*	-	-	7.5	-	-
69	-	-	-	-	-	-	-	-	-	-	2.2		1
70	-	-	-	-	-	-	-	-	-	-	7.6	-	-
71	-	-	0.24*	0.10*	0.24*	11.*	-	12.*	-	-	2.1		1
72	-	-	1.16*	0.46*	1.16*	54.*	-	58.*	-	-	10.0	-	-
73	-	-	0.24*	0.09*	0.24*	11.*	-	12.*	-	-	1.6		1
74	-	-	1.15*	0.44*	1.15*	54.*	-	57.*	-	-	7.8	-	-
75	-	-	0.31*	0.11*	0.30*	14.*	-	14.*	-	-	1.9		1
76	-	-	1.14*	0.41*	1.12*	53.*	-	53.*	-	-	6.9	-	-
77	-	-	0.27*	0.06*	0.25*	12.*	-	14.*	-	-	2.0		1
78	-	-	1.06*	0.26*	0.99*	50.*	-	55.*	-	-	7.8	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.3*	1.1*	1.1*	-	-	11.7		1	0.6	-	-	-
02	3.6*	3.2*	3.2*	-	-	33.5	-	-	1.6	-	-	-
03	1.7*	1.6*	1.6*	-	-	12.1		1	0.6	-	-	-
04	4.9*	4.5*	4.6*	-	-	34.7	-	-	1.7	-	-	-
05	1.4*	1.3*	1.3*	-	-	10.2		1	0.5	-	-	-
06	4.3*	3.9*	4.0*	-	-	31.5	-	-	1.6	-	-	-
07	1.9*	1.8*	1.9*	-	-	6.9		1	0.3	-	-	-
08	10.4*	10.0*	10.7*	-	-	27.3	-	-	1.6	-	-	-
09	1.8*	1.7*	1.8*	-	-	8.9		1	0.4	-	-	-
10	6.6*	6.2*	6.5*	-	-	32.5	-	-	1.6	-	-	-
11	1.3*	1.3*	1.3*	-	-	7.7		1	0.4	-	-	-
12	5.3*	4.9*	5.1*	-	-	30.2	-	-	1.5	-	-	-
13	1.0*	0.9*	0.9*	-	-	9.8		1	0.5	-	-	-
14	3.4*	3.0*	3.0*	-	-	32.7	-	-	1.5	-	-	-
15	1.3*	1.2*	1.2*	-	-	10.0		1	0.5	-	-	-
16	4.2*	3.8*	3.9*	-	-	32.7	-	-	1.5	-	-	-
17	1.5*	1.4*	1.4*	-	-	9.3		1	0.4	-	-	-
18	5.2*	4.8*	5.0*	-	-	32.7	-	-	1.5	-	-	-
19	1.3*	1.2*	1.3*	-	-	9.9		1	0.4	-	-	-
20	5.1*	4.7*	4.9*	-	-	38.2	-	-	1.5	-	-	-
21	-	-	-	-	-	-		4	-	-	-	-
22	4.0*	3.6*	3.7*	-	-	29.4	-	-	2.0	-	-	-
23	-	-	-	-	-	-	1	4	-	-	-	-
24	3.4*	3.0*	3.0*	-	-	28.0	-	-	3.4	-	-	-
25	-	-	-	-	-	-	2	4	-	-	-	-
26	2.2*	1.8*	1.7*	-	-	30.1	-	-	2.1	-	-	-
27	-	-	-	-	-	-	2	4	-	-	-	-
28	1.9*	1.5*	1.4*	-	-	30.6	-	-	1.6	-	-	-
29	-	-	-	-	-	-	3	5	-	-	-	-
30	1.5*	1.1*	1.0*	-	-	31.0	-	-	1.8	-	-	-
31	1.7*	1.6*	1.6*	-	-	10.7		1	0.6	-	-	-
32	5.6*	5.3*	5.5*	-	-	35.7	-	-	2.1	-	-	-
33	-	-	-	-	-	-	5	7	-	-	-	-
34	1.4*	1.0*	0.8*	-	-	32.4	-	-	1.7	-	-	-
35	-	-	-	-	-	-	3	4	-	-	-	-
36	1.1*	0.7*	0.5*	-	-	31.5	-	-	1.8	-	-	-
37	1.9*	1.8*	1.9*	-	-	8.3		1	0.4	-	-	-
38	7.7*	7.3*	7.7*	-	-	33.7	-	-	1.6	-	-	-
39	2.6*	2.5*	2.7*	-	-	6.6		1	0.3	-	-	-
40	10.9*	10.5*	11.2*	-	-	27.6	-	-	1.3	-	-	-
41	1.5*	1.4*	1.4*	-	-	11.3		1	0.5	-	-	-
42	4.5*	4.2*	4.3*	-	-	34.2	-	-	1.6	-	-	-
43	1.3*	1.3*	1.3*	-	13.5	7.6		1	0.9	-	-	-
44	5.8*	5.4*	5.7*	-	58.1	32.6	-	-	3.7	-	-	-
45	1.4*	1.3*	1.4*	-	-	6.0		1	0.4	-	-	-
46	7.4*	7.1*	7.4*	-	-	31.3	-	-	2.3	-	-	-
47	1.7*	1.6*	1.7*	-	-	7.0		1	0.6	-	-	-
48	7.6*	7.3*	7.7*	-	-	31.8	-	-	2.8	-	-	-
49	1.4*	1.3*	1.4*	-	-	7.2		1	0.6	-	-	-
50	6.5*	6.1*	6.4*	-	-	32.7	-	-	2.8	-	-	-
51	0.7*	0.7*	0.7*	-	-	7.5		1	0.6	-	-	-
52	3.2*	2.8*	2.8*	-	-	32.6	-	-	2.6	-	-	-
53	1.5*	1.3*	1.4*	-	-	9.8		1	1.3	-	-	-
54	4.8*	4.4*	4.6*	-	-	32.0	-	-	4.3	-	-	-
55	1.3*	1.2*	1.2*	-	-	6.1		1	0.5	-	-	-
56	6.3*	5.9*	6.2*	-	-	30.3	-	-	2.7	-	-	-
57	1.6*	1.5*	1.6*	-	-	7.9		1	0.9	-	-	-
58	6.4*	6.0*	6.3*	-	-	31.5	-	-	3.6	-	-	-
59	1.6*	1.6*	1.6*	-	-	7.5		1	0.7	-	-	-
60	6.6*	6.2*	6.5*	-	-	30.1	-	-	2.6	-	-	-
61	1.3*	1.2*	1.3*	-	-	7.4		1	0.5	-	-	-
62	5.8*	5.5*	5.7*	-	-	33.7	-	-	2.4	-	-	-
63	1.1*	1.0*	1.0*	-	-	6.5		1	0.4	-	-	-
64	5.6*	5.3*	5.5*	-	-	34.1	-	-	2.1	-	-	-
65	1.4*	1.3*	1.3*	-	-	6.6		1	0.7	-	-	-
66	6.5*	6.1*	6.4*	-	-	31.4	-	-	3.3	-	-	-
67	0.9*	0.9*	0.8*	-	-	7.6		1	0.3	-	-	-
68	4.2*	3.9*	4.0*	-	-	36.0	-	-	1.5	-	-	-
69	1.3*	1.2*	1.2*	-	19.1	10.0		1	1.0	-	-	-
70	4.3*	4.0*	4.1*	-	64.5	33.7	-	-	3.4	-	-	-
71	1.3*	1.3*	1.3*	-	-	6.5		1	0.6	-	-	-
72	6.4*	6.0*	6.3*	-	-	31.3	-	-	2.7	-	-	-
73	0.9*	0.9*	0.9*	-	-	6.5		1	0.5	-	-	-
74	4.5*	4.1*	4.2*	-	-	30.8	-	-	2.3	-	-	-
75	1.0*	0.9*	0.9*	-	-	9.3		1	0.4	-	-	-
76	3.8*	3.4*	3.4*	-	-	34.5	-	-	1.5	-	-	-
77	1.1*	1.0*	1.1*	-	-	7.7		1	0.6	-	-	-
78	4.5*	4.2*	4.3*	-	-	31.0	-	-	2.5	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-AERIAL PART, FRESH, 39 TO 45	2-09-506	24.0	0.45*	-	0.57*	-	0.37*	-	0.47*
02	DAYS' GROWTH, CUT 5, (2)		100.0	1.89*	-	2.39*	-	1.55*	-	1.96*
03	-AERIAL PART, FRESH, 39 TO 45	2-09-507	19.0	0.44*	-	0.45*	-	0.36*	-	0.37*
04	DAYS' GROWTH, CUT 6, (2)		100.0	2.33*	-	2.36*	-	1.91*	-	1.94*
05	-AERIAL PART, FRESH, 39 TO 45	2-09-508	20.0	0.43*	-	0.48*	-	0.36*	-	0.39*
06	DAYS' GROWTH, CUT 7, (2)		100.0	2.17*	-	2.40*	-	1.78*	-	1.97*
07	-AERIAL PART, FRESH, 53 TO 59	2-09-509	28.0	0.56*	-	0.68*	-	0.46*	-	0.56*
08	DAYS' GROWTH, CUT 1, (2)		100.0	2.00*	-	2.43*	-	1.64*	-	1.99*
09	-AERIAL PART, FRESH, 53 TO 59	2-09-510	30.0	0.79*	-	0.67*	-	0.65*	-	0.55*
10	DAYS' GROWTH, CUT 2, (2)		100.0	2.64*	-	2.24*	-	2.17*	-	1.84*
11	-AERIAL PART, FRESH, 53 TO 59	2-09-511	30.0	0.69*	-	0.72*	-	0.56*	-	0.59*
12	DAYS' GROWTH, CUT 3, (2)		100.0	2.29*	-	2.39*	-	1.87*	-	1.96*
13	-AERIAL PART, FRESH, 53 TO 59	2-09-512	27.0	0.60*	-	0.66*	-	0.49*	-	0.54*
14	DAYS' GROWTH, CUT 4, (2)		100.0	2.23*	-	2.44*	-	1.82*	-	2.00*
15	-AERIAL PART, FRESH, 53 TO 59	2-09-513	19.0	0.41*	-	0.44*	-	0.33*	-	0.36*
16	DAYS' GROWTH, CUT 5, (2)		100.0	2.13*	-	2.33*	-	1.75*	-	1.91*
17	-AERIAL PART, FRESH, 53 TO 59	2-09-514	21.0	0.46*	-	0.50*	-	0.38*	-	0.41*
18	DAYS' GROWTH, CUT 6, (2)		100.0	2.21*	-	2.36*	-	1.82*	-	1.93*
19	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-10-112	25.9	0.62*	-	0.62*	-	0.51*	-	0.51*
20			100.0	2.39*	-	2.41*	-	1.96*	-	1.98*
21	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-216	23.9	-	-	-	-	-	-	-
22			100.0	-	-	-	-	-	-	-
23	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-10-217	19.1	0.44*	-	0.47*	-	0.36*	-	0.38*
24			100.0	2.32*	-	2.45*	-	1.91*	-	2.01*
25	-AERIAL PART, FRESH, RIPE SEED, (2)	2-10-214	-	-	-	-	-	-	-	-
26			100.0	2.56*	-	2.59*	-	2.10*	-	2.12*
27	-AERIAL PART, FRESH, POST RIPE, (2)	2-10-124	51.7	1.17*	-	1.15*	-	0.96*	-	0.95*
28			100.0	2.26*	-	2.23*	-	1.85*	-	1.83*
29	-AERIAL PART, FRESH, CUT 18, (2)	2-10-744	19.0	0.49*	-	0.46*	-	0.40*	-	0.37*
30			100.0	2.59*	-	2.40*	-	2.12*	-	1.97*
31	-AERIAL PART, ENSILED, (3)	3-10-740	-	-	-	-	-	-	-	-
32			100.0	-	-	-	-	-	-	-
33	ICTALURUS SPP. FISH, CATFISH		-	-	-	-	-	-	-	-
34	-WHOLE, RAW, (5)	5-07-965	22.0	-	-	-	-	-	-	-
35			100.0	-	-	-	-	-	-	-
36	INDIGOFERA SPP. INDIGO		-	-	-	-	-	-	-	-
37	-AERIAL PART, FRESH, (2)	2-09-747	-	-	-	-	-	-	-	-
38			100.0	3.17*	-	2.99*	-	2.60*	-	2.45*
39	IPOMOEA BATATAS. SWEETPOTATO		-	-	-	-	-	-	-	-
40	-AERIAL PART, FRESH, (2)	2-04-784	15.4	0.42*	-	0.46*	-	0.34*	-	0.38*
41			100.0	2.70*	-	3.01*	-	2.22*	-	2.47*
42	-STEMS, FRESH, (2)	2-10-514	8.7	0.25*	-	0.26*	-	0.21*	-	0.21*
43			100.0	2.92*	-	2.95*	-	2.40*	-	2.42*
44	-ROOTS, COOKED, (4)	4-10-519	44.9	-	-	1.71*	1815.*	-	-	1.40*
45			100.0	-	-	3.80*	4041.*	-	-	3.12*
46	-ROOTS, DEHY GRND, (4)	4-08-536	87.4	2.94*	-	3.29*	3343.*	2.41*	-	2.70*
47			100.0	3.36*	-	3.76*	3824.*	2.76*	-	3.08*
48	-ROOTS, FRESH, (4)	4-04-798	36.4	-	-	1.35*	1415.*	-	-	1.11*
49			100.0	-	-	3.73*	3891.*	-	-	3.06*
50	-ROOTS WO PEEL, COOKED, (4)	4-10-516	47.1	-	-	-	-	-	-	-
51			100.0	-	-	-	-	-	-	-
52	-ROOTS WO PEEL, FRESH, (4)	4-10-518	44.4	-	-	-	-	-	-	-
53			100.0	-	-	-	-	-	-	-
54	-SKINS, COOKED, (4)	4-10-512	32.6	1.03*	-	1.20*	1235.*	0.84*	-	0.98*
55			100.0	3.15*	-	3.57*	3790.*	2.58*	-	3.01*
56	-SKINS, FRESH, (4)	4-10-515	45.2	1.42*	-	1.66*	1711.*	1.17*	-	1.36*
57			100.0	3.15*	-	3.68*	3785.*	2.58*	-	3.01*
58	IRRADIATED DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
59	-SEE SACCHAROMYCES CEREVISIAE		-	-	-	-	-	-	-	-
60	IRRADIATED, DEHY, (7)		-	-	-	-	-	-	-	-
61	IXOPHORUS UNISETUS. HONDURAS		-	-	-	-	-	-	-	-
62	-HAY, S-C, (1)	1-10-513	90.7	1.82*	1.31*	1.88*	-	1.49*	1.08*	1.54*
63			100.0	2.00*	1.45*	2.07*	-	1.64*	1.19*	1.70*
64	-AERIAL PART, FRESH, (2)	2-09-401	20.4	-	-	-	-	-	-	-
65			100.0	-	-	-	-	-	-	-
66	-AERIAL PART, FRESH, 25 TO	2-09-557	16.0	0.42*	-	0.42*	-	0.35*	-	0.34*
67	31 DAYS' GROWTH, CUT 1, (2)		100.0	2.67*	-	2.62*	-	2.19*	-	2.14*
68	-AERIAL PART, FRESH, 25 TO	2-09-558	14.0	0.38*	-	0.39*	-	0.31*	-	0.32*
69	31 DAYS' GROWTH, CUT 2, (2)		100.0	2.71*	-	2.79*	-	2.22*	-	2.29*
70	-AERIAL PART, FRESH, 25 TO	2-09-559	12.0	0.29*	-	0.31*	-	0.24*	-	0.26*
71	31 DAYS' GROWTH, CUT 3, (2)		100.0	2.39*	-	2.60*	-	1.96*	-	2.13*
72	-AERIAL PART, FRESH, 25 TO	2-09-560	12.0	0.26*	-	0.29*	-	0.22*	-	0.24*
73	31 DAYS' GROWTH, CUT 4, (2)		100.0	2.20*	-	2.44*	-	1.81*	-	2.00*
74	-AERIAL PART, FRESH, 25 TO	2-09-561	14.0	0.34*	-	0.37*	-	0.28*	-	0.30*
75	31 DAYS' GROWTH, CUT 5, (2)		100.0	2.41*	-	2.64*	-	1.98*	-	2.16*
76	-AERIAL PART, FRESH, 25 TO	2-09-562	15.0	0.36*	-	0.37*	-	0.29*	-	0.30*
77	31 DAYS' GROWTH, CUT 6, (2)		100.0	2.39*	-	2.47*	-	1.96*	-	2.03*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.23*		0.18*	10.*	-	13.*	-	-	1.8		1
02	-	-	0.94*	0.03*	0.76*	43.*	-	54.*	-	-	7.5	-	-
03	-	-	0.21*	0.07*	0.21*	10.*	-	10.*	-	-	1.5		1
04	-	-	1.13*	0.39*	1.10*	53.*	-	54.*	-	-	8.0	-	-
05	-	-	0.71*	0.05*	0.20*	10.*	-	11.*	-	-	1.7		1
06	-	-	1.05*	0.24*	0.98*	49.*	-	54.*	-	-	8.4	-	-
07	-	-	0.27*	0.02*	0.24*	13.*	-	15.*	-	-	1.9		1
08	-	-	0.98*	0.07*	0.84*	45.*	-	55.*	-	-	6.9	-	-
09	-	-	0.38*	0.20*	0.40*	18.*	-	15.*	-	-	0.9		1
10	-	-	1.28*	0.65*	1.35*	60.*	-	51.*	-	-	2.9	-	-
11	-	-	0.33*	0.11*	0.32*	16.*	-	16.*	-	-	2.2		1
12	-	-	1.11*	0.35*	1.07*	52.*	-	54.*	-	-	7.5	-	-
13	-	-	0.29*	0.08*	0.28*	14.*	-	15.*	-	-	1.9		1
14	-	-	1.08*	0.30*	1.02*	50.*	-	55.*	-	-	7.0	-	-
15	-	-	0.20*	0.04*	0.18*	9.*	-	10.*	-	-	1.3		1
16	-	-	1.04*	0.21*	0.95*	48.*	-	53.*	-	-	7.0	-	-
17	-	-	0.23*	0.06*	0.21*	11.*	-	11.*	-	-	1.6		1
18	-	-	1.07*	0.29*	1.01*	50.*	-	53.*	-	-	7.4	-	-
19	-	-	0.30*	0.12*	0.30*	14.*	-	14.*	-	-	1.5	9	4
20	-	-	1.16*	0.45*	1.15*	54.*	-	55.*	-	-	5.8	-	-
21	-	-	-	-	-	-	-	-	-	-	4.4		2
22	-	-	-	-	-	-	-	-	-	-	18.4	-	-
23	-	-	0.21*	0.07*	0.21*	10.*	-	11.*	-	-	1.2	32	7
24	-	-	1.12*	0.39*	1.10*	53.*	-	56.*	-	-	6.5	-	-
25	-	-	-	-	-	-	-	-	-	-	-		1
26	-	-	1.24*	0.59*	1.29*	58.*	-	59.*	-	-	10.1	-	-
27	-	-	0.57*	0.17*	0.54*	27.*	-	26.*	-	-	1.5	11	6
28	-	-	1.09*	0.33*	1.05*	51.*	-	51.*	-	-	2.9	-	-
29	-	-	0.24*	0.12*	0.25*	11.*	-	10.*	-	-	2.4		1
30	-	-	1.26*	0.62*	1.31*	59.*	-	55.*	-	-	12.4	-	-
31	-	-	-	-	-	-	-	-	-	-	-	20	10
32	-	-	-	-	-	-	-	-	-	-	4.0	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	17.6		1
35	-	-	-	-	-	-	-	-	-	-	80.0	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-		1
38	-	-	1.60*	1.03*	1.76*	72.*	-	68.*	-	-	21.3	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	0.20*	0.11*	0.21*	9.*	-	10.*	-	-	2.4	13	16
41	-	-	1.32*	0.70*	1.40*	61.*	-	68.*	-	-	15.8	-	-
42	-	-	0.13*	0.08*	0.14*	6.*	-	6.*	-	-	1.7		1
43	-	-	1.44*	0.86*	1.57*	66.*	-	67.*	-	-	19.5	-	-
44	1742.*	-	-	-	-	-	-	39.*	41.*	-	1.4		1
45	3880.*	-	-	-	-	-	-	86.*	92.*	-	3.1	-	-
46	3210.*	-	1.52*	1.00*	1.67*	67.*	-	75.*	76.*	-	6.1	26	7
47	3671.*	-	1.73*	1.15*	1.91*	76.*	-	85.*	87.*	-	7.0	-	-
48	1358.*	-	-	-	-	-	-	31.*	32.*	-	1.2	78	32
49	3735.*	-	-	-	-	-	-	85.*	88.*	-	3.2	-	-
50	-	-	-	-	-	-	-	-	-	-	1.6		1
51	-	-	-	-	-	-	-	-	-	-	3.4	-	-
52	-	-	-	-	-	-	-	-	-	-	1.6		1
53	-	-	-	-	-	-	-	-	-	-	3.6	-	-
54	1186.*	-	0.52*	0.33*	0.57*	23.*	-	27.*	28.*	-	1.7		1
55	3638.*	-	1.59*	1.02*	1.74*	71.*	-	83.*	86.*	-	5.3	-	-
56	1642.*	-	0.72*	0.46*	0.79*	32.*	-	38.*	39.*	-	2.8		1
57	3634.*	-	1.59*	1.01*	1.74*	71.*	-	83.*	86.*	-	6.3	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	0.89*	0.07*	0.77*	41.*	32.*	43.*	-	-	4.9		1
63	-	-	0.98*	0.08*	0.85*	45.*	35.*	47.*	-	-	5.4	-	-
64	-	-	-	-	-	-	-	-	-	-	2.0	32	6
65	-	-	-	-	-	-	-	-	-	-	9.9	-	-
66	-	-	0.21*	0.11*	0.22*	10.*	-	9.*	-	-	1.6		1
67	-	-	1.30*	0.68*	1.37*	61.*	-	59.*	-	-	9.9	-	-
68	-	-	0.18*	0.10*	0.20*	9.*	-	9.*	-	-	2.4		1
69	-	-	1.32*	0.71*	1.40*	61.*	-	63.*	-	-	17.1	-	-
70	-	-	0.14*	0.05*	0.14*	7.*	-	7.*	-	-	1.6		1
71	-	-	1.16*	0.45*	1.15*	54.*	-	59.*	-	-	13.5	-	-
72	-	-	0.13*	0.03*	0.12*	6.*	-	7.*	-	-	1.4		1
73	-	-	1.07*	0.28*	1.00*	50.*	-	55.*	-	-	11.9	-	-
74	-	-	0.16*	0.06*	0.16*	8.*	-	8.*	-	-	2.1		1
75	-	-	1.16*	0.46*	1.17*	55.*	-	60.*	-	-	14.9	-	-
76	-	-	0.17*	0.07*	0.17*	8.*	-	8.*	-	-	1.6		1
77	-	-	1.15*	0.45*	1.15*	54.*	-	56.*	-	-	11.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.0*	0.9*	0.9*	-	-	8.9		1	0.8	-	-	-
02	4.2*	3.9*	4.0*	-	-	37.1	-	-	3.2	-	-	-
03	0.9*	0.8*	0.9*	-	-	6.7		1	0.3	-	-	-
04	4.7*	4.4*	4.5*	-	-	35.3	-	-	1.7	-	-	-
05	1.0*	0.9*	1.0*	-	-	6.9		1	0.5	-	-	-
06	5.0*	4.6*	4.8*	-	-	34.3	-	-	2.4	-	-	-
07	1.1*	1.0*	1.0*	-	-	10.6		1	0.8	-	-	-
08	3.8*	3.4*	3.4*	-	-	37.9	-	-	3.0	-	-	-
09	0.1*			-	-	10.1		1	1.5	-	-	-
10	0.4*		-0.2*	-	-	33.8	-	-	5.2	-	-	-
11	1.3*	1.2*	1.2*	-	-	10.3		1	0.6	-	-	-
12	4.2*	3.9*	4.0*	-	-	34.3	-	-	1.9	-	-	-
13	1.0*	0.9*	1.0*	-	-	8.6		1	0.7	-	-	-
14	3.9*	3.5*	3.5*	-	-	32.0	-	-	2.5	-	-	-
15	0.7*	0.7*	0.7*	-	-	7.8		1	0.4	-	-	-
16	3.8*	3.5*	3.5*	-	-	41.2	-	-	2.0	-	-	-
17	0.9*	0.8*	0.9*	-	-	7.8		1	0.4	-	-	-
18	4.2*	3.8*	3.9*	-	-	37.1	-	-	2.0	-	-	-
19	0.7*	0.6*	0.6*	-	16.2	8.3	4	4	0.4	0.13	26	4
20	2.8*	2.4*	2.4*	-	62.6	32.2	-	-	1.4	0.50	-	-
21	3.2*	3.2*	3.4*	-	-	19.1		2	1.2	0.58		2
22	15.6*	13.2*	14.2*	-	-	79.8	-	-	5.1	2.42	-	-
23	0.7*	0.6*	0.6*	-	-	6.7	11	7	0.3	0.07	43	7
24	3.4*	3.0*	3.0*	-	-	34.9	-	-	1.5	0.38	-	-
25	-	-	-	-	-	-		1	-	-		1
26	6.5*	6.1*	6.4*	-	-	33.2	-	-	4.4	0.94	-	-
27	0.2*			-	-	19.7	4	6	0.6	0.18	13	6
28	0.4*		-0.2*	-	-	38.1	-	-	1.1	0.35	-	-
29	1.6*	1.5*	1.6*	-	-	6.1		1	0.3	-	-	-
30	8.4*	8.1*	8.5*	-	-	32.1	-	-	1.4	-	-	-
31	-	-	-	-	-	-	5	10	-	-	7	10
32				-	-	35.5	-	-	1.4	0.39	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	3.1	-	-	-
35	-	-	-	-	-	-	-	-	14.1	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-		1	-	-	-	-
38	16.0*	15.6*	16.9*	-	-	20.8	-	-	3.3	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	1.6	1.7*	1.8*	-	-	2.9	20	16	0.7	-	-	-
41	10.3	11.0*	11.7*	-	-	18.9	-	-	4.4	-	-	-
42	1.3*	1.2*	1.3*	-	-	1.2		1	0.3	-	-	-
43	14.5*	14.1*	15.2*	-	-	13.4	-	-	3.0	-	-	-
44	-0.4*			-	-	1.3		1	0.2	-	-	-
45	-1.0*	0.1*	0.1*	-	-	2.8	-	-	0.4	-	-	-
46	2.2*	3.2*	3.2*	-	-	3.4	25	7	1.4	-	-	-
47	2.5*	3.7*	3.7*	-	-	3.9	-	-	1.6	-	-	-
48	-0.3*	0.1*	0.1*	-	-	1.8	98	12	0.5	-	-	-
49	-0.9*	0.2*	0.2*	-	-	5.0	-	-	1.4	-	-	-
50	-0.3*	0.2*	0.2*	-	-	0.7		1	0.2	-	-	-
51	-0.8*	0.4*	0.4*	-	-	1.5	-	-	0.5	-	-	-
52	-0.2*	0.2*	0.2*	-	-	0.8		1	0.1	-	-	-
53	-0.6*	0.5*	0.5*	-	-	1.8	-	-	0.2	-	-	-
54	0.3*	0.7*	0.7*	-	-	1.9		1	0.5	-	-	-
55	0.9*	2.1*	2.1*	-	-	5.8	-	-	1.4	-	-	-
56	0.8*	1.4*	1.4*	-	-	2.3		1	0.4	-	-	-
57	1.8*	3.0*	3.0*	-	-	5.0	-	-	0.9	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	1.5*	1.9*	1.3*	-	-	32.0		1	0.8	-	-	-
63	1.6*	2.1*	1.4*	-	-	35.3	-	-	0.9	-	-	-
64	1.3*	1.2*	1.3*	-	-	-	-	-	-	0.09		3
65	6.3*	5.9*	6.2*	-	-	-	-	-	-	0.4A	-	-
66	1.0*	0.9*	1.0*	-	-	4.4		1	0.6	-	-	-
67	6.3*	5.9*	6.2*	-	-	27.6	-	-	3.5	-	-	-
68	1.7*	1.7*	1.8*	-	-	3.6		1	0.6	-	-	-
69	12.5*	12.1*	13.0*	-	-	25.5	-	-	4.4	-	-	-
70	1.1*	1.1*	1.2*	-	-	2.9		1	0.5	-	-	-
71	9.4*	9.0*	9.6*	-	-	24.5	-	-	3.8	-	-	-
72	1.0*	0.9*	1.0*	-	-	3.4		1	0.3	-	-	-
73	8.0*	7.6*	8.1*	-	-	28.1	-	-	2.6	-	-	-
74	1.5*	1.4*	1.5*	-	-	3.8		1	0.5	-	-	-
75	10.6*	10.2*	10.9*	-	-	27.4	-	-	3.6	-	-	-
76	1.1*	1.0*	1.1*	-	-	4.9		1	0.3	-	-	-
77	7.2*	6.9*	7.2*	-	-	32.7	-	-	2.1	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	0.03	0.03	40	4	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.11	0.11	-	-	1.16	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.16		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.04	60	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.07	0.03	35	6	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.13	0.05	-	-	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	18	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	0.11	0.11	-	-	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	0.33	-	-	-	17.0	-	-	0.3	-	-	-	-	-	-
35	-	-	-	-	1.50	-	-	-	77.3	-	-	1.4	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.09		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-AERIAL PART, FRESH, 25 TO	2-09-563	14.0	0.36*	-	0.37*	-	0.30*	-	0.30*
02	31 DAYS' GROWTH, CUT 7, (2)		100.0	2.60*	-	2.66*	-	2.14*	-	2.18*
03	-AERIAL PART, FRESH, 25 TO	2-09-564	16.0	-	-	0.42*	-	-	-	0.35*
04	31 DAYS' GROWTH, CUT 8, (2)		100.0	-	-	2.63*	-	-	-	2.16*
05	-AERIAL PART, FRESH, 25 TO	2-09-565	14.0	0.30*	-	0.35*	-	0.25*	-	0.29*
06	31 DAYS' GROWTH, CUT 9, (2)		100.0	2.14*	-	2.53*	-	1.76*	-	2.08*
07	-AERIAL PART, FRESH, 25 TO	2-09-566	16.0	0.40*	-	0.42*	-	0.33*	-	0.34*
08	31 DAYS' GROWTH, CUT 10, (2)		100.0	2.50*	-	2.60*	-	2.05*	-	2.13*
09	-AERIAL PART, FRESH, 25 TO	2-09-567	15.0	0.43*	-	0.41*	-	0.35*	-	0.34*
10	31 DAYS' GROWTH, CUT 11, (2)		100.0	2.88*	-	2.75*	-	2.37*	-	2.25*
11	-AERIAL PART, FRESH, 25 TO	2-09-568	19.0	0.53*	-	0.52*	-	0.43*	-	0.42*
12	31 DAYS' GROWTH, CUT 13, (2)		100.0	2.77*	-	2.72*	-	2.27*	-	2.23*
13	-AERIAL PART, FRESH, 39 TO	2-09-569	16.0	0.48*	-	0.43*	-	0.40*	-	0.35*
14	45 DAYS' GROWTH, CUT 1, (2)		100.0	3.02*	-	2.68*	-	2.47*	-	2.20*
15	-AERIAL PART, FRESH, 39 TO	2-09-570	15.0	0.35*	-	0.37*	-	0.28*	-	0.30*
16	45 DAYS' GROWTH, CUT 2, (2)		100.0	2.31*	-	2.47*	-	1.90*	-	2.02*
17	-AERIAL PART, FRESH, 39 TO	2-09-571	15.0	0.33*	-	0.37*	-	0.27*	-	0.30*
18	45 DAYS' GROWTH, CUT 3, (2)		100.0	2.20*	-	2.45*	-	1.81*	-	2.01*
19	-AERIAL PART, FRESH, 39 TO	2-09-572	16.0	0.40*	-	0.42*	-	0.33*	-	0.34*
20	45 DAYS' GROWTH, CUT 4, (2)		100.0	2.50*	-	2.60*	-	2.05*	-	2.13*
21	-AERIAL PART, FRESH, 39 TO	2-09-573	14.0	0.32*	-	0.34*	-	0.26*	-	0.28*
22	45 DAYS' GROWTH, CUT 5, (2)		100.0	2.28*	-	2.41*	-	1.87*	-	1.98*
23	-AERIAL PART, FRESH, 39 TO	2-09-574	16.0	-	-	0.43*	-	-	-	0.35*
24	45 DAYS' GROWTH, CUT 6, (2)		100.0	-	-	2.66*	-	-	-	2.18*
25	-AERIAL PART, FRESH, 39 TO	2-09-575	19.0	0.47*	-	0.49*	-	0.39*	-	0.40*
26	45 DAYS' GROWTH, CUT 7, (2)		100.0	2.48*	-	2.55*	-	2.03*	-	2.09*
27	-AERIAL PART, FRESH, 39 TO	2-09-576	19.0	0.50*	-	0.51*	-	0.41*	-	0.42*
28	45 DAYS' GROWTH, CUT 8, (2)		100.0	2.63*	-	2.69*	-	2.16*	-	2.21*
29	-AERIAL PART, FRESH, 53 TO	2-09-577	18.0	0.45*	-	0.46*	-	0.37*	-	0.38*
30	59 DAYS' GROWTH, CUT 1, (2)		100.0	2.51*	-	2.56*	-	2.06*	-	2.10*
31	-AERIAL PART, FRESH, 53 TO	2-09-578	15.0	0.36*	-	0.38*	-	0.29*	-	0.31*
32	59 DAYS' GROWTH, CUT 2, (2)		100.0	2.37*	-	2.52*	-	1.95*	-	2.06*
33	-AERIAL PART, FRESH, 53 TO	2-09-579	18.0	0.47*	-	0.46*	-	0.38*	-	0.38*
34	59 DAYS' GROWTH, CUT 3, (2)		100.0	2.59*	-	2.58*	-	2.12*	-	2.12*
35	-AERIAL PART, FRESH, 53 TO	2-09-580	20.0	0.44*	-	0.49*	-	0.36*	-	0.40*
36	59 DAYS' GROWTH, CUT 4, (2)		100.0	2.18*	-	2.44*	-	1.79*	-	2.00*
37	-AERIAL PART, FRESH, 53 TO	2-09-581	18.0	0.42*	-	0.43*	-	0.34*	-	0.35*
38	59 DAYS' GROWTH, CUT 5, (2)		100.0	2.33*	-	2.39*	-	1.91*	-	1.96*
39	-AERIAL PART, FRESH, 53 TO	2-09-582	16.0	0.41*	-	0.41*	-	0.34*	-	0.33*
40	59 DAYS' GROWTH, CUT 6, (2)		100.0	2.56*	-	2.55*	-	2.10*	-	2.09*
41	-AERIAL PART, FRESH, 53 TO	2-09-583	20.0	0.49*	-	0.52*	-	0.40*	-	0.42*
42	59 DAYS' GROWTH, CUT 7, (2)		100.0	2.44*	-	2.58*	-	2.00*	-	2.11*
43	-AERIAL PART, FRESH, 196 TO	2-09-790	15.0	0.44*	-	0.39*	-	0.36*	-	0.32*
44	202 DAYS' GROWTH, (2)		100.0	2.92*	-	2.57*	-	2.40*	-	2.11*
45	KRAMERIA		-	-	-	-	-	-	-	-
46	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-10-113	20.7	0.52*	-	0.54*	-	0.43*	-	0.44*
47			100.0	2.52*	-	2.61*	-	2.06*	-	2.14*
48	LACTALBUMIN, DRIED		-	-	-	-	-	-	-	-
49	-SEE BOS SPP, WHEY ALBUMIN, HEAT-AND		-	-	-	-	-	-	-	-
50	ACID-PRECIPITATED DEHY, MN 75%		-	-	-	-	-	-	-	-
51	PROTEIN, (5)		-	-	-	-	-	-	-	-
52	LARD		-	-	-	-	-	-	-	-
53	-SEE SUS SCROFA, LARD, (4)		-	-	-	-	-	-	-	-
54	LATHYRUS SPP. PEAVINE		-	-	-	-	-	-	-	-
55	-AERIAL PART, FRESH, (2)	2-03-669	20.9	-	-	0.68*	-	-	-	0.55*
56			100.0	-	-	3.23*	-	-	-	2.65*
57	LAURUS PERSEA, LAUREL, PERSEA		-	-	-	-	-	-	-	-
58	-PULP, FRESH, (1)	1-11-376	25.6	-	-	-	-	-	-	-
59			100.0	-	-	-	-	-	-	-
60	LEPTOCHLOA VIRGATA, SPRANGETOP, TROPICS		-	-	-	-	-	-	-	-
61	-AERIAL PART, FRESH, (2)	2-10-728	54.9	1.48*	-	1.47*	-	1.21*	-	1.20*
62			100.0	2.69*	-	2.67*	-	2.21*	-	2.19*
63	LESPEDEZA SPP. LESPEDEZA		-	-	-	-	-	-	-	-
64	-HAY, S-C, MIDBLOOM, (1)	1-02-511	94.1	-	-	-	-	-	-	-
65			100.0	-	-	-	-	-	-	-
66	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-02-539	31.1	0.85*	-	0.86*	-	0.69*	-	0.70*
67			100.0	2.72*	-	2.76*	-	2.23*	-	2.26*
68	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-02-540	-	-	-	-	-	-	-	-
69			100.0	-	-	-	-	-	-	-
70	-AERIAL PART, FRESH, RIPE SEED, (2)	2-02-542	36.3	-	-	-	-	-	-	-
71			100.0	-	-	-	-	-	-	-
72	LIMESTONE		-	-	-	-	-	-	-	-
73	-GRND, MN 33% CA, (6)	6-02-632	99.5	-	-	-	-	-	-	-
74	LIMESTONE, GROUND (AAFCO)		100.0	-	-	-	-	-	-	-
75	LINSEED MEAL, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
76	-SEE LINUM USITATISSIMUM, SEEDS,		-	-	-	-	-	-	-	-
77	MECH-EXTD GRND, MX 10% FIBER, (5)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.18*	0.09*	0.18*	8.*	-	8.*	-	-	2.2		1
02	-	-	1.26*	0.63*	1.32*	59.*	-	60.*	-	-	15.8	-	-
03	-	-	-	-	-	-	-	10.*	-	-	2.1		1
04	-	-	-	-	-	-	-	60.*	-	-	13.0	-	-
05	-	-	0.15*	0.03*	0.13*	7.*	-	8.*	-	-	2.0		1
06	-	-	1.04*	0.22*	0.96*	49.*	-	57.*	-	-	14.2	-	-
07	-	-	0.19*	0.09*	0.20*	9.*	-	9.*	-	-	2.0		1
08	-	-	1.21*	0.54*	1.24*	57.*	-	59.*	-	-	12.2	-	-
09	-	-	0.21*	0.13*	0.23*	10.*	-	9.*	-	-	2.2		1
10	-	-	1.42*	0.84*	1.54*	65.*	-	62.*	-	-	14.8	-	-
11	-	-	0.26*	0.14*	0.27*	12.*	-	12.*	-	-	2.7		1
12	-	-	1.35*	0.75*	1.44*	63.*	-	62.*	-	-	14.0	-	-
13	-	-	0.24*	0.15*	0.26*	11.*	-	10.*	-	-	1.6		1
14	-	-	1.50*	0.93*	1.64*	68.*	-	61.*	-	-	10.0	-	-
15	-	-	0.17*	0.06*	0.16*	8.*	-	8.*	-	-	1.3		1
16	-	-	1.12*	0.38*	1.09*	52.*	-	56.*	-	-	8.6	-	-
17	-	-	0.16*	0.04*	0.15*	7.*	-	8.*	-	-	1.6		1
18	-	-	1.07*	0.28*	1.00*	50.*	-	56.*	-	-	10.7	-	-
19	-	-	0.19*	0.09*	0.20*	9.*	-	9.*	-	-	2.0		1
20	-	-	1.21*	0.54*	1.23*	57.*	-	59.*	-	-	12.2	-	-
21	-	-	0.15*	0.05*	0.15*	7.*	-	8.*	-	-	1.0		1
22	-	-	1.10*	0.35*	1.07*	52.*	-	55.*	-	-	6.9	-	-
23	-	-	-	-	-	-	-	10.*	-	-	2.0		1
24	-	-	-	-	-	-	-	60.*	-	-	12.2	-	-
25	-	-	0.23*	0.10*	0.23*	11.*	-	11.*	-	-	1.4		1
26	-	-	1.20*	0.57*	1.22*	56.*	-	58.*	-	-	7.5	-	-
27	-	-	0.24*	0.12*	0.25*	11.*	-	12.*	-	-	2.8		1
28	-	-	1.28*	0.65*	1.34*	60.*	-	61.*	-	-	14.7	-	-
29	-	-	0.22*	0.10*	0.22*	10.*	-	10.*	-	-	1.3		1
30	-	-	1.21*	0.55*	1.25*	57.*	-	58.*	-	-	7.3	-	-
31	-	-	0.17*	0.06*	0.17*	8.*	-	9.*	-	-	1.3		1
32	-	-	1.15*	0.43*	1.14*	54.*	-	57.*	-	-	8.8	-	-
33	-	-	0.23*	0.11*	0.24*	11.*	-	11.*	-	-	1.4		1
34	-	-	1.26*	0.62*	1.31*	59.*	-	59.*	-	-	8.0	-	-
35	-	-	0.21*	0.05*	0.20*	10.*	-	11.*	-	-	1.7		1
36	-	-	1.06*	0.26*	0.99*	49.*	-	55.*	-	-	8.6	-	-
37	-	-	0.20*	0.07*	0.20*	9.*	-	10.*	-	-	1.6		1
38	-	-	1.12*	0.39*	1.10*	53.*	-	54.*	-	-	8.7	-	-
39	-	-	0.20*	0.09*	0.21*	9.*	-	9.*	-	-	1.2		1
40	-	-	1.24*	0.59*	1.28*	58.*	-	58.*	-	-	7.8	-	-
41	-	-	0.24*	0.10*	0.24*	11.*	-	12.*	-	-	2.2		1
42	-	-	1.18*	0.49*	1.19*	55.*	-	58.*	-	-	11.2	-	-
43	-	-	0.22*	0.13*	0.24*	10.*	-	9.*	-	-	0.9		1
44	-	-	1.44*	0.87*	1.57*	66.*	-	58.*	-	-	6.3	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	0.25*	0.11*	0.26*	12.*	-	12.*	-	-	2.0		2
47	-	-	1.22*	0.55*	1.25*	57.*	-	59.*	-	-	9.8	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	15▲*	-	-	5.3		1
56	-	-	-	-	-	-	-	73▲*	-	-	25.5	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	1.7	29	4
59	-	-	-	-	-	-	-	-	-	-	6.8	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	0.72*	0.38*	0.76*	34.*	-	33.*	-	-	5.5		1
62	-	-	1.31*	0.69*	1.39*	61.*	-	61.*	-	-	10.0	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	0.41*	0.22*	0.44*	19▲*	-	19▲*	-	-	5.8		1
67	-	-	1.33*	0.72*	1.41*	62▲*	-	63▲*	-	-	18.7	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	4.6		1
71	-	-	-	-	-	-	-	-	-	-	12.8	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.6*	1.5*	1.6*	-	-	3.8		1	0.3	-	-	-
02	11.3*	10.9*	11.7*	-	-	27.2	-	-	2.3	-	-	-
03	1.4*	1.4*	1.5*	-	-	5.7		1	0.8	-	-	-
04	8.9*	8.6*	9.1*	-	-	35.9	-	-	4.9	-	-	-
05	1.4*	1.3*	1.4*	-	-	4.3		1	0.5	-	-	-
06	9.9*	9.6*	10.2*	-	-	30.9	-	-	3.3	-	-	-
07	1.3*	1.3*	1.3*	-	-	4.1		1	0.6	-	-	-
08	8.3*	7.9*	8.4*	-	-	25.7	-	-	4.0	-	-	-
09	1.6*	1.5*	1.6*	-	-	3.9		1	0.7	-	-	-
10	10.5*	10.1*	10.8*	-	-	25.9	-	-	4.9	-	-	-
11	1.9*	1.8*	1.9*	-	-	4.8		1	0.6	-	-	-
12	9.8*	9.4*	10.0*	-	-	25.5	-	-	3.3	-	-	-
13	1.0*	1.0*	1.0*	-	-	3.8		1	0.6	-	-	-
14	6.4*	6.0*	6.3*	-	-	23.7	-	-	3.8	-	-	-
15	0.8*	0.7*	0.7*	-	-	4.4		1	0.4	-	-	-
16	5.2*	4.8*	5.0*	-	-	29.3	-	-	2.4	-	-	-
17	1.0*	1.0*	1.0*	-	-	5.4		1	0.4	-	-	-
18	7.0*	6.6*	6.9*	-	-	35.9	-	-	2.5	-	-	-
19	1.3*	1.3*	1.3*	-	-	4.4		1	0.5	-	-	-
20	8.3*	7.9*	8.4*	-	-	27.2	-	-	2.9	-	-	-
21	0.5*	0.5*	0.5*	-	-	4.7		1	0.3	-	-	-
22	3.8*	3.4*	3.4*	-	-	33.5	-	-	1.9	-	-	-
23	1.3*	1.3*	1.3*	-	-	4.1		1	1.0	-	-	-
24	8.3*	7.9*	8.4*	-	-	25.7	-	-	6.3	-	-	-
25	0.8*	0.7*	0.8*	-	-	5.5		1	0.5	-	-	-
26	4.2*	3.9*	4.0*	-	-	29.1	-	-	2.6	-	-	-
27	2.0*	1.9*	2.0*	-	-	5.0		1	0.6	-	-	-
28	10.4*	10.0*	10.7*	-	-	26.4	-	-	3.3	-	-	-
29	0.7*	0.7*	0.7*	-	-	4.9		1	0.4	-	-	-
30	4.1*	3.7*	3.8*	-	-	27.4	-	-	2.5	-	-	-
31	0.8*	0.8*	0.8*	-	-	4.5		1	0.5	-	-	-
32	5.4*	5.0*	5.2*	-	-	29.7	-	-	3.4	-	-	-
33	0.8*	0.8*	0.8*	-	-	4.7		1	0.5	-	-	-
34	4.7*	4.3*	4.5*	-	-	26.2	-	-	3.0	-	-	-
35	1.0*	1.0*	1.0*	-	-	6.1		1	0.6	-	-	-
36	5.2*	4.8*	5.0*	-	-	30.4	-	-	3.0	-	-	-
37	0.9*	0.9*	0.9*	-	-	6.2		1	0.3	-	-	-
38	5.3*	4.9*	5.1*	-	-	34.4	-	-	1.9	-	-	-
39	0.7*	0.7*	0.7*	-	-	4.7		1	0.6	-	-	-
40	4.5*	4.2*	4.3*	-	-	29.1	-	-	3.5	-	-	-
41	1.5*	1.4*	1.5*	-	-	5.9		2	0.6	-	-	-
42	7.4*	7.0*	7.4*	-	-	29.3	-	-	3.1	-	-	-
43	0.5*	0.4*	0.4*	-	-	4.5		1	0.6	-	-	-
44	3.2*	2.9*	2.9*	-	-	30.2	-	-	3.9	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	1.3*	1.2*	1.3*	-	-	6.4		2	0.5	0.08		2
47	6.2*	5.8*	6.1*	-	-	31.0	-	-	2.4	0.40	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	4.1*	4.0*	4.3*	-	-	4.1		1	0.9	-	-	-
56	19.6*	19.2*	20.8*		-	19.8	-	-	4.4	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	0.7*	0.8*	0.7*	-	-	2.1	12	4	15.9	-	-	-
59	2.8*	3.3*	2.7*	-	-	8.0	-	-	62.1	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	3.5*	3.3*	3.5*	-	-	13.8		1	0.9	-	-	-
62	6.4*	6.0*	6.3*	-	-	25.1	-	-	1.6	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	1.12		1
65	-	-	-	-	-	-	-	-	-	1.19	-	-
66	4.3*	4.2*	4.5*	-	-	8.5		1	0.8	-	-	-
67	13.8*	13.5*	14.4*	-	-	27.3	-	-	2.7	-	-	-
68	-	-	-	-	-	-	-	-	-	-		1
69	-	-	-	-	-	-	-	-	-	1.35	-	-
70	3.2*	3.0*	3.2*	-	-	16.3		1	0.8	0.37		1
71	8.8*	8.4*	8.9*	-	-	44.9	-	-	2.1	1.02	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	41.62		1
74	-	-	-	-	-	-	-	-	-	41.83	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	0.11	0.04		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	0.53	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	0.25	0.24		1	0.99	-	-	-	-	-	-	-	-	-	-	-	-	-
65	0.27	0.26	-	-	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.27	0.21	-	-	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-
70	0.06	0.11		1	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-
71	0.16	0.31	-	-	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	2.05	0.01		2	0.11	0.04	-	-	-	-	-	-	-	-	-	-	-	-
74	2.06	0.02	-	-	0.12	0.04	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	LINSEED MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
02	-SEE LINUM USITATISSIMUM, SEEDS,		-	-	-	-	-	-	-	-
03	SOLV-EXTD GRND, MX 10% FIBER, (5)		-	-	-	-	-	-	-	-
04	LINSEED OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
05	-SEE LINUM USITATISSIMUM, SEEDS,		-	-	-	-	-	-	-	-
06	MECH-EXTD GRND, MX 10% FIBER, (5)		-	-	-	-	-	-	-	-
07	LINSEED OIL MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
08	-SEE LINUM USITATISSIMUM, SEEDS,		-	-	-	-	-	-	-	-
09	MECH-EXTD GRND, MX 10% FIBER, (5)		-	-	-	-	-	-	-	-
10	LINSEED OIL MEAL, OLD PROCESS		-	-	-	-	-	-	-	-
11	-SEE LINUM USITATISSIMUM, SEEDS,		-	-	-	-	-	-	-	-
12	MECH-EXTD GRND, MX 10% FIBER, (5)		-	-	-	-	-	-	-	-
13	LINSEED OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
14	-SEE LINUM USITATISSIMUM, SEEDS,		-	-	-	-	-	-	-	-
15	SOLV-EXTD GRND, MX 10% FIBER, (5)		-	-	-	-	-	-	-	-
16	LINUM USITATISSIMUM, FLAX		-	-	-	-	-	-	-	-
17	-SEED SCREENINGS, (4)	4-02-056	91.3	3.20*	-	2.59*	3044.*	2.62*	-	2.12*
18			100.0	3.50*	-	2.84*	3334.*	2.87*	-	2.33*
19	-SEED SCREENINGS, EXTN UNSPECIFIED GRND, (5)	5-02-053	91.6	2.90*	-	2.40*	-	2.38*	-	1.96*
20			100.0	3.16*	-	2.61*	-	2.59*	-	2.14*
21	-SEEDS, MECH-EXTD CAKED,	5-02-043	89.3	3.12*	-	3.22*	-	2.56*	-	2.64*
22	COMMERCIAL MX 0.5% ACID INSOLUBLE ASH,		100.0	3.49*	-	3.60*	-	2.86*	-	2.96*
23	(5)		-	-	-	-	-	-	-	-
24	-SEEDS, MECH-EXTD GRND, MX 10% FIBER, (5)	5-02-045	91.1	3.38*	-	3.29*	3029.*	2.77*	-	2.70*
25	LINSEED MEAL, MECHANICAL EXTRACTED (AAFCO)		100.0	3.71*	-	3.61*	3324.*	3.04*	-	2.96*
26	-SEEDS, SOLV-EXTD GRND, MX 10% FIBER, (5)	5-02-048	94.0	3.33*	-	3.37*	-	2.73*	-	2.77*
27			100.0	3.54*	-	3.59*	-	2.91*	-	2.94*
28	LIVER MEAL		-	-	-	-	-	-	-	-
29	-SEE ANIMAL, LIVERS, DEHY GRND, (5)		-	-	-	-	-	-	-	-
30	LOLIUM MULTIFLORUM, RYEGRASS, ITALIAN TETRONE		-	-	-	-	-	-	-	-
31	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-531	23.5	0.75*	-	0.64*	-	0.61*	-	0.53*
32			100.0	3.17*	-	2.72*	-	2.60*	-	2.23*
33	-AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)	2-10-532	19.0	0.55*	-	0.51*	-	0.45*	-	0.42*
34			100.0	2.89*	-	2.68*	-	2.37*	-	2.20*
35	-AERIAL PART, FRESH, MIDBLOOM, CUT 1, (2)	2-10-528	22.3	0.69*	-	0.62*	-	0.56*	-	0.51*
36			100.0	3.07*	-	2.79*	-	2.52*	-	2.29*
37	-AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)	2-10-529	22.8	0.60*	-	0.60*	-	0.49*	-	0.49*
38			100.0	2.65*	-	2.64*	-	2.17*	-	2.16*
39	-AERIAL PART, FRESH, MIDBLOOM, CUT 3, (2)	2-10-530	25.0	0.64*	-	0.65*	-	0.53*	-	0.53*
40			100.0	2.57*	-	2.58*	-	2.11*	-	2.12*
41	-AERIAL PART, FRESH, CUT 1, (2)	2-10-524	14.0	0.40*	-	0.41*	-	0.33*	-	0.33*
42			100.0	2.89*	-	2.91*	-	2.37*	-	2.38*
43	LOLIUM MULTIFLORUM, RYEGRASS, ITALIAN		-	-	-	-	-	-	-	-
44	WESTERWOLTH		-	-	-	-	-	-	-	-
45	-AERIAL PART, FRESH, JOINTING AND BOOT, CUT 1,	2-10-537	16.0	0.45*	-	0.46*	-	0.37*	-	0.38*
46	(2)		100.0	2.83*	-	2.86*	-	2.32*	-	2.35*
47	-AERIAL PART, FRESH, EARLY BLOOM, CUT 4, (2)	2-10-536	17.7	0.47*	-	0.47*	-	0.38*	-	0.39*
48			100.0	2.64*	-	2.68*	-	2.16*	-	2.20*
49	-AERIAL PART, FRESH, CUT 1, (2)	2-10-533	14.1	0.37*	-	0.39*	-	0.30*	-	0.32*
50			100.0	2.60*	-	2.76*	-	2.13*	-	2.26*
51	-AERIAL PART, FRESH, CUT 2, (2)	2-10-534	15.0	0.50*	-	0.42*	-	0.41*	-	0.35*
52			100.0	3.36*	-	2.81*	-	2.76*	-	2.31*
53	-AERIAL PART, FRESH, CUT 3, (2)	2-10-535	17.3	0.48*	-	0.48*	-	0.40*	-	0.39*
54			100.0	2.79*	-	2.75*	-	2.29*	-	2.26*
55	LOLIUM MULTIFLORUM, RYEGRASS, ITALIAN		-	-	-	-	-	-	-	-
56	-HAY, S-C, 25 TO 31 DAYS' GROWTH, (1)	1-10-732	-	-	-	-	-	-	-	-
57			100.0	2.78*	1.42*	2.72*	-	2.28*	1.16*	2.23*
58	-HAY, S-C, JOINTING AND BOOT, (1)	1-04-065	82.2	2.24*	1.61*	2.13*	-	1.84*	1.32*	1.74*
59			100.0	2.73*	1.96*	2.59*	-	2.24*	1.60*	2.12*
60	-HAY, S-C FERTILIZED, 25 TO 31 DAYS' GROWTH, (1)	1-10-736	-	-	-	-	-	-	-	-
61			100.0	-	-	-	-	-	-	-
62	-HAY, S-C FERTILIZED, 39 TO 45 DAYS' GROWTH, (1)	1-10-734	-	-	-	-	-	-	-	-
63			100.0	2.76*	1.88*	2.64*	-	2.26*	1.54*	2.16*
64	-HAY, S-C FERTILIZED, 46 TO 52 DAYS' GROWTH, (1)	1-10-733	-	-	-	-	-	-	-	-
65			100.0	2.72*	1.88*	2.62*	-	2.23*	1.54*	2.15*
66	-HAY, S-C FERTILIZED, 53 TO 59 DAYS' GROWTH, (1)	1-10-735	-	-	-	-	-	-	-	-
67			100.0	-	-	-	-	-	-	-
68	-AERIAL PART, FRESH, (2)	2-04-073	21.4	0.48*	-	0.57*	-	0.40*	-	0.47*
69			100.0	2.25*	-	2.67*	-	1.84*	-	2.19*
70	LOLIUM PERENNE, RYEGRASS, PERENNIAL		-	-	-	-	-	-	-	-
71	-AERIAL PART, FRESH, 18 TO 24 DAYS' GROWTH, (2)	2-10-200	-	-	-	-	-	-	-	-
72			100.0	-	-	2.79*	-	-	-	2.29*
73	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-201	-	-	-	-	-	-	-	-
74			100.0	2.69*	-	2.74*	-	2.20*	-	2.25*
75	-AERIAL PART, FRESH, 46 TO 52 DAYS' GROWTH, (2)	2-10-730	-	-	-	-	-	-	-	-
76			100.0	-	-	-	-	-	-	-
77	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-10-202	-	-	-	-	-	-	-	-
78			100.0	1.75*	-	2.47*	-	1.43*	-	2.02*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	2922▲*	-	1.68*	1.12*	1.84*	73▲*	-	59▲*	69▲*	-	17.1	17	5
18	3201▲*	-	1.84*	1.22*	2.02*	79▲*	-	64▲*	76▲*	-	18.8	-	-
19	-	-	1.46*	0.94*	1.61*	66▲*	-	54▲*	-	-	24.3		3
20	-	-	1.59*	1.02*	1.75*	72▲*	-	59▲*	-	-	26.5	-	-
21	-	-	1.63*	1.09*	1.80*	71▲*	-	73▲*	-	-	32.7		1
22	-	-	1.83*	1.22*	2.01*	79▲*	-	82▲*	-	-	36.6	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	2357.*	1520.	1.83*	1.21*	1.99*	77.	-	75.*	69.	-	35.3	4	8
25	2587.*	1668.	2.00*	1.33*	2.18*	84.	-	82.*	75.	-	38.8	-	-
26	-	1467▲	1.76*	1.17*	1.93*	76▲*	-	77▲	-	-	33.3		2
27	-	1561▲	1.87*	1.25*	2.05*	80▲*	-	81▲	-	-	35.4	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	0.38*	0.24*	0.41*	17.*	-	15.*	-	-	2.9		1
32	-	-	1.60*	1.03*	1.76*	72.*	-	62.*	-	-	12.3	-	-
33	-	-	0.27*	0.16*	0.29*	12.*	-	12.*	-	-	1.7		1
34	-	-	1.42*	0.84*	1.54*	66.*	-	61.*	-	-	9.0	-	-
35	-	-	0.34*	0.22*	0.38*	16.*	-	14.*	-	-	3.3		1
36	-	-	1.54*	0.97*	1.69*	70.*	-	63.*	-	-	14.9	-	-
37	-	-	0.29*	0.15*	0.31*	14.*	-	14.*	-	-	2.6		2
38	-	-	1.28*	0.66*	1.35*	60.*	-	60.*	-	-	11.6	-	-
39	-	-	0.31*	0.15*	0.32*	15.*	-	15.*	-	-	2.1		1
40	-	-	1.25*	0.60*	1.29*	58.*	-	59.*	-	-	8.3	-	-
41	-	-	0.20*	0.12*	0.22*	9.*	-	9.*	-	-	2.9		1
42	-	-	1.42*	0.84*	1.54*	66.*	-	66.*	-	-	20.8	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	0.22*	0.13*	0.24*	10.*	-	10.*	-	-	3.0		2
46	-	-	1.39*	0.80*	1.49*	64.*	-	65.*	-	-	18.4	-	-
47	-	-	0.23*	0.12*	0.24*	11.*	-	11.*	-	-	2.3		1
48	-	-	1.28*	0.65*	1.34*	60.*	-	61.*	-	-	13.1	-	-
49	-	-	0.18*	0.09*	0.19*	8.*	-	9.*	-	-	2.4		2
50	-	-	1.26*	0.62*	1.32*	59.*	-	63.*	-	-	16.9	-	-
51	-	-	0.26*	0.17*	0.29*	11.*	-	10.*	-	-	2.1		1
52	-	-	1.73*	1.15*	1.91*	76.*	-	64.*	-	-	13.9	-	-
53	-	-	0.24*	0.13*	0.25*	11.*	-	11.*	-	-	2.6		1
54	-	-	1.37*	0.77*	1.46*	63.*	-	62.*	-	-	15.2	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-		1
57	-	-	1.36*	0.76*	1.46*	63.*	34.*	62.*	-	-	17.1	-	-
58	-	-	1.09*	0.59*	1.16*	51▲*	40▲*	48▲*	-	-	12.6		1
59	-	-	1.33*	0.72*	1.41*	62▲*	49▲*	59▲*	-	-	15.3	-	-
60	-	-	-	-	-	-	-	-	-	-	-		3
61	-	-	-	-	-	-	-	-	-	-	21.8	-	-
62	-	-	-	-	-	-	-	-	-	-	-	11	4
63	-	-	1.35*	0.75*	1.44*	63.*	47.*	60.*	-	-	15.4	-	-
64	-	-	-	-	-	-	-	-	-	-	-		1
65	-	-	1.33*	0.72*	1.41*	62.*	47.*	59.*	-	-	15.8	-	-
66	-	-	-	-	-	-	-	-	-	-	-		3
67	-	-	-	-	-	-	-	-	-	-	15.1	-	-
68	-	-	0.23*	0.07*	0.22*	11.*	-	13.*	-	-	4.2		1
69	-	-	1.09*	0.32*	1.04*	51.*	-	60.*	-	-	19.5	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-		1
72	-	-	-	-	-	-	-	63.*	-	-	21.5	-	-
73	-	-	-	-	-	-	-	-	-	-	-		2
74	-	-	1.31*	0.69*	1.38*	61.*	-	62.*	-	-	16.0	-	-
75	-	-	-	-	-	-	-	-	-	-	-		1
76	-	-	-	-	-	-	-	-	-	-	12.3	-	-
77	-	-	-	-	-	-	-	-	-	-	-		1
78	-	-	0.88*	0.19*	0.65*	40.*	-	56.*	-	-	15.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	12.1*	13.2*	9.6	-	-	11.8	20	4	9.9	0.32	22	5
18	13.3*	14.4*	10.5	-	-	12.9	-	-	10.9	0.35	-	-
19	-	-	-	-	-	11.7		3	7.2	0.44		2
20	-	-	-	-	-	12.7	-	-	7.9	0.48	-	-
21	-	-	-	-	-	8.8		1	3.4	-	-	-
22	-	-	-	-	-	9.8	-	-	3.8	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	31.1	-	-	31.8	-	8.8	17	6	5.3	0.44		2
25	34.1	-	-	34.9	-	9.6	-	-	5.8	0.48	-	-
26	-	-	28.5	-	-	8.5		2	6.1	0.41		2
27	-	-	30.3	-	-	9.0	-	-	6.5	0.44	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	2.0*	1.9*	2.0*	-	-	5.7		1	1.1	0.12		1
32	8.3*	8.0*	8.5*	-	-	24.3	-	-	4.5	0.51	-	-
33	1.1*	1.0*	1.0*	-	-	5.1		1	0.6	-	-	-
34	5.5*	5.2*	5.4*	-	-	27.0	-	-	3.3	-	-	-
35	2.4*	2.3*	2.4*	-	-	5.8		1	1.1	0.09		1
36	10.6*	10.2*	10.9*	-	-	26.1	-	-	4.8	0.42	-	-
37	1.8*	1.7*	1.8*	-	-	7.1		2	1.0	-	-	-
38	7.7*	7.4*	7.8*	-	-	31.0	-	-	4.2	-	-	-
39	1.2*	1.1*	1.2*	-	-	7.6		1	0.8	-	-	-
40	4.9*	4.6*	4.7*	-	-	30.3	-	-	3.3	-	-	-
41	2.2*	2.1*	2.3*	-	-	3.6		1	0.5	0.09		1
42	15.6*	15.7*	16.4*	-	-	25.8	-	-	3.8	0.62	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	2.2*	2.1*	2.3*	-	-	4.1		2	0.7	0.11		1
46	13.6*	13.2*	14.2*	-	-	25.7	-	-	4.4	0.69	-	-
47	1.6*	1.5*	1.6*	-	-	5.3		1	0.7	-	-	-
48	9.0*	8.7*	9.2*	-	-	30.2	-	-	3.9	-	-	-
49	1.7*	1.7*	1.8*	-	-	4.0		2	0.6	0.07		2
50	12.3*	11.9*	12.7*	-	-	28.3	-	-	4.0	0.53	-	-
51	1.5*	1.4*	1.5*	-	-	3.7		1	0.7	-	-	-
52	9.7*	9.3*	9.9*	-	-	24.6	-	-	4.6	-	-	-
53	1.9*	1.8*	1.9*	-	-	4.7		1	0.7	-	-	-
54	10.8*	10.4*	11.2*	-	-	27.2	-	-	4.1	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-		1	-	-	-	-
57	11.7*	12.0*	11.9*	-	-	20.9	-	-	5.1	-	-	-
58	8.4*	8.6*	8.5*	-	-	17.9		2	2.5	-	-	-
59	10.2*	10.5*	10.3*	-	-	21.7	-	-	3.0	-	-	-
60	-	-	-	-	-	-		3	-	-	-	-
61	15.8*	16.1*	16.2*	-	-	24.8	-	-	-	-	-	-
62	-	-	-	-	-	-	7	4	-	-	-	-
63	10.3*	10.6*	10.4*	-	-	23.0	-	-	3.6	-	-	-
64	-	-	-	-	-	-		1	-	-	-	-
65	10.6*	11.0*	10.8*	-	-	25.3	-	-	3.5	-	-	-
66	-	-	-	-	-	-		3	-	-	-	-
67	10.0*	10.4*	10.1*	-	-	29.6	-	-	-	-	-	-
68	3.1*	3.0*	3.3*	-	-	4.3		1	0.9	0.14		2
69	14.5*	14.1*	15.2*	-	-	20.0	-	-	4.0	0.64	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-		1	-	-	-	-
72	16.2*	15.8*	17.0*	-	-	22.1	-	-	5.0	-	-	-
73	-	-	-	-	-	-		1	-	-	-	-
74	11.5*	11.1*	11.9*	-	-	22.7	-	-	4.6	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	8.3*	8.0*	8.5*	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-		1	-	-	-	-
78	10.7*	10.3*	11.0*	-	-	20.0	-	-	3.8	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.42	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	0.63		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	0.59	0.88		3	1.24	0.36	-	1712a	35.5	13.2	-	2.9	-	-	0.63	1.24	0.60	0.56
25	0.64	0.96	-	-	1.36	0.39	-	1878a	39.0	14.4	-	3.2	-	-	0.69	1.36	0.66	0.62
26	0.62	0.86		2	1.43	-	-	1277a	26.4	9.6	-	2.4	-	-	0.69	1.31	0.63	0.62
27	0.66	0.92	-	-	1.52	-	-	1358a	28.1	10.3	-	2.5	-	-	0.73	1.39	0.67	0.66
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.04	0.06		1	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-
32	0.18	0.27	-	-	1.72	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.03	0.05		1	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-
36	0.13	0.24	-	-	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	0.02	0.07		1	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-
42	0.13	0.48	-	-	1.98	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	0.03	0.05		1	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-
46	0.18	0.29	-	-	3.26	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	0.02	0.05		2	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-
50	0.15	0.33	-	-	2.46	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	0.07	0.09		2	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.35	0.40	-	-	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-04-080	-	-	-	-	-	-	-	-
02			100.0	3.00*	-	2.95*	-	2.46*	-	2.41*
03	-AERIAL PART, FRESH, EARLY BLOOM, CUT 2, (2)	2-10-523	25.7	0.61*	-	0.67*	-	0.50*	-	0.55*
04			100.0	2.37*	-	2.60*	-	1.95*	-	2.14*
05	-AERIAL PART, FRESH, LATE BLOOM, (2)	2-10-731	-	-	-	-	-	-	-	-
06			100.0	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH, CUT 1, (2)	2-10-525	16.8	0.46*	-	0.49*	-	0.37*	-	0.40*
08			100.0	2.72*	-	2.91*	-	2.23*	-	2.39*
09	-AERIAL PART, FRESH, CUT 3, (2)	2-10-527	23.7	0.57*	-	0.61*	-	0.47*	-	0.50*
10			100.0	2.42*	-	2.59*	-	1.98*	-	2.13*
11	-AERIAL PART, FRESH	2-10-729	-	-	-	-	-	-	-	-
12	FERTILIZED, 25 TO 31 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
13	-FRESH, CUT 2, (2)	2-10-526	20.4	0.60*	-	0.56*	-	0.49*	-	0.46*
14			100.0	2.93*	-	2.72*	-	2.40*	-	2.23*
15	LOLIUM PERENNE, TRIFOLIUM PRATENSE. RYEGRASS,		-	-	-	-	-	-	-	-
16	PERENNIAL-CLOVER, RED		-	-	-	-	-	-	-	-
17	-TRIFOLIUM PRATENSE, AERIAL	2-10-203	-	-	-	-	-	-	-	-
18	PART, FRESH, 18 TO 24 DAYS' GROWTH,		100.0	-	-	2.97*	-	-	-	2.44*
19	(2)		-	-	-	-	-	-	-	-
20	-TRIFOLIUM PRATENSE, AERIAL	2-10-204	-	-	-	-	-	-	-	-
21	PART, FRESH, 39 TO 45 DAYS' GROWTH,		100.0	2.41*	-	2.74*	-	1.97*	-	2.25*
22	(2)		-	-	-	-	-	-	-	-
23	-TRIFOLIUM PRATENSE, AERIAL	2-10-205	-	-	-	-	-	-	-	-
24	PART, FRESH, 60 TO 66 DAYS' GROWTH,		100.0	2.22*	-	2.62*	-	1.82*	-	2.15*
25	(2)		-	-	-	-	-	-	-	-
26	LOLIUM SPP. RYEGRASS		-	-	-	-	-	-	-	-
27	-AERIAL PART, FRESH, (2)	2-04-062	20.6	0.56*	-	0.53*	-	0.46*	-	0.43*
28			100.0	2.74*	-	2.57*	-	2.24*	-	2.11*
29	LOTUS CORNICULATUS. DEERVETCH, BIRDSFOOT		-	-	-	-	-	-	-	-
30	-AERIAL PART, FRESH, (2)	2-08-080	7.6	0.26*	-	0.22*	-	0.21*	-	0.18*
31			100.0	3.45*	-	2.88*	-	2.83*	-	2.37*
32	LOTUS CORNICULATUS. TREFOIL, BIRDSFOOT		-	-	-	-	-	-	-	-
33	-HAY, S-C, (1)	1-05-044	89.7	2.19*	1.75*	1.99	-	1.79*	1.43*	1.63*
34			100.0	2.44*	1.95*	2.22	-	2.00*	1.60*	1.82*
35	-AERIAL PART, FRESH, (2)	2-07-998	25.0	0.85*	-	0.67*	-	0.70*	-	0.55*
36			100.0	3.40*	-	2.68*	-	2.78*	-	2.20*
37	LYCOPERSICON ESCULENTUM. TOMATO		-	-	-	-	-	-	-	-
38	-FRUIT, DEHY GRND, (4)	4-09-738	-	-	-	-	-	-	-	-
39			100.0	-	-	-	-	-	-	-
40	-PULP, DEHY, (5)	5-05-041	92.4	2.64*	-	2.43*	-	2.17*	-	2.00*
41	DRIED TOMATO POMACE (AAFCO)		100.0	2.86*	-	2.64*	-	2.36*	-	2.16*
42	-SEEDS, (5)	5-09-755	-	-	-	-	-	-	-	-
43			100.0	-	-	4.77*	-	-	-	3.91*
44	MALT SPROUTS (AAFCO)		-	-	-	-	-	-	-	-
45	-SEE HORDEUM VULGARE, MALT SPROUTS W		-	-	-	-	-	-	-	-
46	HULLS, DEHY, MN 24% PROTEIN, (5)		-	-	-	-	-	-	-	-
47	MALUS SPP. APPLES		-	-	-	-	-	-	-	-
48	-PULP, DEHY GRND, (4)	4-00-423	89.1	2.75*	-	2.82*	2887.*	2.25*	-	2.31*
49	DRIED APPLE POMACE (AAFCO)		100.0	3.08*	-	3.16*	3240.*	2.53*	-	2.59*
50	MANGEL, ROOTS		-	-	-	-	-	-	-	-
51	-SEE BETA SPP MANGELS, ROOTS, (2)		-	-	-	-	-	-	-	-
52	MANIHOT ESCULENTA. CASSAVA, COMMON		-	-	-	-	-	-	-	-
53	-LEAVES, DEHY GRND, (1)	1-10-768	93.6	-	-	3.16*	-	-	-	2.59*
54			100.0	-	-	3.38*	-	-	-	2.77*
55	-LEAVES, FRESH, (2)	2-01-153	26.9	-	-	1.35*	-	-	-	1.11*
56			100.0	-	-	5.03*	-	-	-	4.12*
57	-PEELINGS, COOKED, (4)	4-10-539	32.9	1.10*	-	1.21*	1245.*	0.90*	-	0.99*
58			100.0	3.34*	-	3.68*	3786.*	2.74*	-	3.02*
59	-PEELINGS, FRESH, (4)	4-09-900	27.1	0.79*	-	0.95*	953.*	0.65*	-	0.78*
60			100.0	2.91*	-	3.49*	3514.*	2.39*	-	2.86*
61	-PULP, FRESH, (4)	4-10-769	34.7	-	-	1.31*	1402.*	-	-	1.08*
62			100.0	-	-	3.79*	4043.*	-	-	3.11*
63	-ROOT, COOKED, (4)	4-10-538	35.6	-	-	-	-	-	-	-
64			100.0	-	-	-	-	-	-	-
65	-ROOT, DEHY GRND, (4)	4-09-598	87.0	-	-	3.35*	3291.*	-	-	2.75*
66			100.0	-	-	3.85*	3784.*	-	-	3.16*
67	-ROOT FLOUR, FINE GRND, (4)	4-01-154	91.7	-	-	3.53*	-	-	-	2.89*
68			100.0	-	-	3.85*	-	-	-	3.16*
69	-ROOT, FRESH, (4)	4-09-599	33.4	-	-	1.25*	1324.*	-	-	1.02*
70			100.0	-	-	3.73*	3967.*	-	-	3.06*
71	-ROOT WO PEELINGS, COOKED, (4)	4-10-540	47.0	-	-	-	-	-	-	-
72			100.0	-	-	-	-	-	-	-
73	-ROOT WO PEELINGS, FRESH, (4)	4-09-901	34.1	-	-	1.29*	-	-	-	1.06*
74			100.0	-	-	3.80*	-	-	-	3.11*
75	MANIHOT SPP. CASSAVA		-	-	-	-	-	-	-	-
76	-ROOTS, (4)	4-01-150	47.1	-	-	1.67*	1906.*	-	-	1.37*
77			100.0	-	-	3.55*	4046.*	-	-	2.91*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein (N×6.25) Conf. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-		1
02	-	-	1.49*	0.92*	1.63*	68▲*	-	67▲*	-	-	19.7	-	-
03	-	-	0.29*	0.11*	0.29*	14.*	-	15.*	-	-	3.0		2
04	-	-	1.15*	0.43*	1.14*	54.*	-	59.*	-	-	11.7	-	-
05	-	-	-	-	-	-	-	-	-	-	-		1
06	-	-	-	-	-	-	-	-	-	-	7.9	-	-
07	-	-	0.22*	0.12*	0.24*	10.*	-	11.*	-	-	3.3		3
08	-	-	1.32*	0.71*	1.41*	62.*	-	66.*	-	-	19.7	-	-
09	-	-	0.28*	0.11*	0.28*	13.*	-	14.*	-	-	2.6		1
10	-	-	1.17*	0.47*	1.17*	55.*	-	59.*	-	-	10.8	-	-
11	-	-	-	-	-	-	-	-	-	-	-		1
12	-	-	-	-	-	-	-	-	-	-	22.7	-	-
13	-	-	0.29*	0.18*	0.32*	14.*	-	13.*	-	-	2.7		1
14	-	-	1.44*	0.87*	1.57*	66.*	-	62.*	-	-	13.0	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-		1
18	-	-	-	-	-	-	-	67.*	-	-	23.3	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-		1
21	-	-	1.16*	0.46*	1.16*	55.*	-	62.*	-	-	17.5	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-		1
24	-	-	1.08*	0.30*	1.02*	50.*	-	60.*	-	-	16.0	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	0.28*	0.15*	0.29*	13▲*	-	12▲*	-	-	2.1		2
28	-	-	1.34*	0.73*	1.42*	62▲*	-	58▲*	-	-	10.0	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	0.14*	0.09*	0.15*	6.*	-	5.*	-	-	0.9		1
31	-	-	1.80*	1.19*	1.98*	78.*	-	65.*	-	-	12.4	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	1.06*	0.44*	1.06*	50▲*	44▲*	50▲	-	-	13.0	11	4
34	-	-	1.18*	0.49*	1.19*	55▲*	49▲*	55▲	-	-	14.5	-	-
35	-	-	0.44*	0.29*	0.48*	19▲*	-	15▲*	-	-	3.7		1
36	-	-	1.76*	1.16*	1.94*	77▲*	-	61▲*	-	-	14.8	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-		1
39	-	-	-	-	-	-	-	-	-	-	23.3	-	-
40	-	-	1.30*	0.76*	1.40*	60▲	-	55▲*	-	-	22.0		5
41	-	-	1.40*	0.82*	1.52*	65▲	-	60▲*	-	-	23.2	-	-
42	-	-	-	-	-	-	-	-	-	-	-		1
43	-	-	-	-	-	-	-	108.*	-	-	31.6	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	2772.*	-	1.37*	0.87*	1.51*	62.	-	64.*	65.*	-	4.4	14	4
49	3111.*	-	1.54*	0.97*	1.69*	70.	-	72.*	73.*	-	4.9	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	72.*	-	-	22.0		3
54	-	-	-	-	-	-	-	77.*	-	-	23.5	-	-
55	-	-	-	-	-	-	-	31.*	-	-	7.1	20	12
56	-	-	-	-	-	-	-	114.*	-	-	26.5	-	-
57	1196.*	-	0.56*	0.37*	0.62*	25.*	-	27.*	28.*	-	2.6		1
58	3634.*	-	1.72*	1.13*	1.89*	76.*	-	83.*	86.*	-	7.9	-	-
59	915.*	-	0.39*	0.23*	0.42*	18.*	-	21.*	22.*	-	1.6	35	18
60	3373.*	-	1.43*	0.85*	1.56*	66.*	-	79.*	80.*	-	5.7	-	-
61	1346.*	-	-	-	-	-	-	30.*	32.*	-	0.9	16	4
62	3882.*	-	-	-	-	-	-	86.*	92.*	-	2.6	-	-
63	-	-	-	-	-	-	-	-	-	-	1.4		1
64	-	-	-	-	-	-	-	-	-	-	4.0	-	-
65	3159.*	-	-	-	-	-	-	76.*	75.*	-	6.1		2
66	3632.*	-	-	-	-	-	-	87.*	86.*	-	7.0	-	-
67	-	-	-	-	-	-	-	80.*	-	-	2.6		2
68	-	-	-	-	-	-	-	87.*	-	-	2.8	-	-
69	1271.*	-	-	-	-	-	-	28.*	30.*	-	1.1	89	27
70	3808.*	-	-	-	-	-	-	85.*	90.*	-	3.3	-	-
71	-	-	-	-	-	-	-	-	-	-	1.4		1
72	-	-	-	-	-	-	-	-	-	-	3.0	-	-
73	-	-	-	-	-	-	-	29.*	-	-	0.7	26	14
74	-	-	-	-	-	-	-	86.*	-	-	2.0	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	1830.*	-	-	-	-	-	-	38.	43.*	-	1.3		3
77	3884.*	-	-	-	-	-	-	81.	92.*	-	2.7	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01			-	-	-	-		1	-	-	-	-
02	14.6*	14.3*	15.4*	-	-	20.3	-	-	2.1	-	-	-
03	2.0*	1.9*	2.0*	-	-	8.7		2	0.9	-	-	-
04	7.0*	7.5*	7.9*	-	-	33.9	-	-	3.5	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	4.6*	4.2*	4.4*	-	-	-	-	-	-	-	-	-
07	2.5*	2.4*	2.6*	-	-	4.8		3	0.8	0.10		3
08	14.6*	14.3*	15.4*	-	-	28.8	-	-	4.6	0.61	-	-
09	1.7*	1.6*	1.7*	-	-	8.3		1	1.1	-	-	-
10	7.1*	6.7*	7.1*	-	-	34.9	-	-	4.8	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	17.2*	16.8*	18.1*	-	-	-	-	-	-	-	-	-
13	1.8*	1.7*	1.9*	-	-	5.9		1	0.9	-	-	-
14	8.9*	8.6*	9.1*	-	-	29.9	-	-	4.4	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-		1	-	-	-	-
18	17.7*	17.3*	18.7*	-	-	21.2	-	-	5.9	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-		1	-	-	-	-
21	12.8*	12.4*	13.3*	-	-	22.6	-	-	4.7	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-		1	-	-	-	-
24	11.5*	11.1*	11.9*	-	-	19.8	-	-	4.0	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	1.3	1.2*	1.3*	-	-	5.3		2	0.8	-	-	-
28	6.2	6.1*	6.4*	-	-	25.5	-	-	3.8	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	0.6*	0.6*	0.6*	-	-	2.0		1	0.3	-	-	-
31	8.4*	8.1*	8.5*	-	-	26.9	-	-	3.6	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	8.6*	8.9*	9.0	-	-	31.3	17	4	1.6	1.57		1
34	9.5*	9.9*	10.0	-	-	34.0	-	-	1.8	1.75	-	-
35	2.6*	2.5*	2.7*	-	-	7.1		1	1.1	0.44		1
36	10.5*	10.1*	10.8*	-	-	28.4	-	-	4.4	1.76	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-		1	-	-		1
39	17.4*	18.6*	18.6*	-	-	28.6	-	-	12.4	0.93	-	-
40	12.5	-	-	-	-	24.3	29	5	9.8	0.41		2
41	13.5	-	-	-	-	26.3	-	-	10.6	0.44	-	-
42	-	-	-	-	-	-		1	-	-	-	-
43	-	-	-	-	-	8.7	-	-	30.6	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-1.3	1.5*	1.6	-	-	14.8	10	4	4.8	0.11		2
49	-1.4	1.7*	1.8	-	-	16.6	-	-	5.4	0.13	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	16.2*	16.4*	16.6*	-	-	13.9		3	11.3	-	-	-
54	17.3*	17.5*	17.7*	-	-	14.8	-	-	12.1	-	-	-
55	5.5*	5.4*	5.8*	-	-	3.7	32	12	3.1	0.88		2
56	20.4*	20.0*	21.7*	-	-	13.6	-	-	11.6	3.28	-	-
57	1.1*	1.5*	1.5*	-	-	2.6		1	0.2	-	-	-
58	3.3*	4.5*	4.5*	-	-	8.0	-	-	0.6	-	-	-
59	0.3*	0.7*	0.7*	-	-	3.3	27	17	0.5	-	-	-
60	1.3*	2.5*	2.5*	-	-	12.2	-	-	1.7	-	-	-
61	-0.4*			-	-	0.9	37	4	0.1	-	-	-
62	-1.5*	-0.3*	-0.3*	-	-	2.6	-	-	0.4	-	-	-
63		0.3*	0.3*	-	-	0.9		1		-	-	-
64	-0.2*	0.9*	0.9*	-	-	2.4	-	-	0.1	-	-	-
65	2.2*	3.2*	3.2*	-	-	1.5		3	2.6	-	-	-
66	2.5*	3.7*	3.7*	-	-	1.7	-	-	3.0	-	-	-
67	-1.2*	-0.1*	-0.1*	-	-	1.9		2	0.6	-	-	-
68	-1.3*	-0.1*	-0.1*	-	-	2.1	-	-	0.6	-	-	-
69	-0.2*	0.1*	0.1*	-	-	1.8	74	26	0.3	-	-	-
70	-0.9*	0.3*	0.3*	-	-	5.5	-	-	0.9	-	-	-
71	-0.5*			-	-	1.0		1	0.1	-	-	-
72	-1.1*			-	-	2.1	-	-	0.2	-	-	-
73	-0.6*	-0.2*	-0.2*	-	-	1.1	36	13	0.2	-	-	-
74	-2.0*	-0.8*	-0.8*	-	-	3.3	-	-	0.7	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-0.6*			-	-	1.7		3	0.3	0.03		1
77	-1.4*	-0.2*		-	-	3.7	-	-	0.7	0.07	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	0.03	0.06		3	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-
08	0.21	0.35	-	-	1.80	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	0.56	0.20		1	1.63	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.62	0.22	-	-	1.82	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	0.05		1	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	0.20	-	-	1.84	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	0.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	0.18	0.54		2	3.35	-	-	-	-	-	-	6.1	-	-	-	1.61	0.10	0.20
41	0.20	0.59	-	-	3.63	-	-	-	-	-	-	6.6	-	-	-	1.74	0.11	0.22
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	0.06	0.10		2	0.43	0.02	-	-	-	-	-	-	-	-	-	-	-	-
49	0.07	0.12	-	-	0.49	0.02	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.05		2	-	-	-	-	18.1	-	-	2.9	-	-	-	-	-	-
56	-	0.19	-	-	-	-	-	-	67.2	-	-	10.7	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	0.01		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-ROOTS, DEHY GRND, (4)	4-01-152	88.7	2.87*	-	3.18*	3388.*	2.35*	-	2.60*
02			100.0	3.24*	-	3.58*	3821.*	2.65*	-	2.94*
03	MEADOW HAY		-	-	-	-	-	-	-	-
04	-SEE NATIVE PLANTS INTERMOUNTAIN, HAY,		-	-	-	-	-	-	-	-
05	S-C, (1)		-	-	-	-	-	-	-	-
06	MEAT AND BONE MEAL DIGESTER TANKAGE		-	-	-	-	-	-	-	-
07	-SEE ANIMAL, CARCASS RESIDUE W BLOOD W		-	-	-	-	-	-	-	-
08	BONE, DRY OR WET RENDERED DEHY GRND,		-	-	-	-	-	-	-	-
09	MN 9% INDIGESTIBLE MATERIAL MN 4.4% P,		-	-	-	-	-	-	-	-
10	(5)		-	-	-	-	-	-	-	-
11	MEAT AND BONE MEAL TANKAGE (AAFCO)		-	-	-	-	-	-	-	-
12	-SEE ANIMAL, CARCASS RESIDUE W BLOOD W		-	-	-	-	-	-	-	-
13	BONE, DRY OR WET RENDERED DEHY GRND,		-	-	-	-	-	-	-	-
14	MN 9% INDIGESTIBLE MATERIAL MN 4.4% P,		-	-	-	-	-	-	-	-
15	(5)		-	-	-	-	-	-	-	-
16	MEAT AND BONE MEAL (AAFCO)		-	-	-	-	-	-	-	-
17	-SEE ANIMAL, CARCASS RESIDUE W BONE,		-	-	-	-	-	-	-	-
18	DRY RENDERED DEHY GRND, MN 9%		-	-	-	-	-	-	-	-
19	INDIGESTIBLE MATERIAL MN 4.4% P, (5)		-	-	-	-	-	-	-	-
20	MEAT AND BONE SCRAP		-	-	-	-	-	-	-	-
21	-SEE ANIMAL, CARCASS RESIDUE W BONE,		-	-	-	-	-	-	-	-
22	DRY RENDERED DEHY GRND, MN 9%		-	-	-	-	-	-	-	-
23	INDIGESTIBLE MATERIAL MN 4.4% P, (5)		-	-	-	-	-	-	-	-
24	MEAT, CATTLE, MEAL		-	-	-	-	-	-	-	-
25	-SEE BOS SPP, CARCASS RESIDUE, DRY		-	-	-	-	-	-	-	-
26	RENDERED DEHY GRND, (5)		-	-	-	-	-	-	-	-
27	MEAT MEAL TANKAGE (AAFCO)		-	-	-	-	-	-	-	-
28	-SEE ANIMAL, CARCASS RESIDUE W BLOOD,		-	-	-	-	-	-	-	-
29	DRY OR WET RENDERED DEHY GRND, MN 9%		-	-	-	-	-	-	-	-
30	INDIGESTIBLE MATERIAL MX 4.4% P, (5)		-	-	-	-	-	-	-	-
31	MEAT MEAL (AAFCO)		-	-	-	-	-	-	-	-
32	-SEE ANIMAL, CARCASS RESIDUE, DRY		-	-	-	-	-	-	-	-
33	RENDERED DEHY GRND, MN 9% INDIGESTIBLE		-	-	-	-	-	-	-	-
34	MATERIAL MX 4.4% P, (5)		-	-	-	-	-	-	-	-
35	MEAT SCRAP		-	-	-	-	-	-	-	-
36	-SEE ANIMAL, CARCASS RESIDUE, DRY		-	-	-	-	-	-	-	-
37	RENDERED DEHY GRND, MN 9% INDIGESTIBLE		-	-	-	-	-	-	-	-
38	MATERIAL MX 4.4% P, (5)		-	-	-	-	-	-	-	-
39	MEDICAGO SATIVA, ALFALFA		-	-	-	-	-	-	-	-
40	-AERIAL PART, DEHY, (1)	1-00-047	91.5	2.35*	1.74*	2.35*	-	1.93*	1.43*	1.93*
41			100.0	2.57*	1.90*	2.57*	-	2.11*	1.56*	2.11*
42	-AERIAL PART, DEHY, EARLY VEGETATIVE, (1)	1-00-041	91.1	2.38*	-	2.33*	-	1.96*	-	1.91*
43			100.0	2.62*	-	2.56*	-	2.15*	-	2.10*
44	-AERIAL PART, DEHY GRND, (1)	1-00-025	88.9	2.35*	1.71*	2.36	-	1.93*	1.40*	1.93*
45	DEHYDRATED ALFALFA MEAL (AAFCO)		100.0	2.64*	1.92*	2.65	-	2.17*	1.58*	2.17*
46	-AERIAL PART, DEHY GRND, LATE VEGETATIVE, (1)	1-00-018	89.5	2.25*	1.86*	2.02*	-	1.85*	1.53*	1.66*
47			100.0	2.52*	2.08*	2.26*	-	2.07*	1.71*	1.85*
48	-AERIAL PART, DEHY GRND, MN 17% PROTEIN, (1)	1-00-023	92.7	2.54*	1.87*	2.40*	-	2.09*	1.53*	1.96*
49			100.0	2.74*	2.02*	2.58*	-	2.25*	1.66*	2.12*
50	-AERIAL PART, DEHY GRND, MN 15% PROTEIN, (1)	1-00-022	92.4	2.42*	1.86*	2.34*	-	1.98*	1.52*	1.92*
51			100.0	2.62*	2.01*	2.53*	-	2.15*	1.65*	2.08*
52	-AERIAL PART, DEHY GRND, MN 20% PROTEIN, (1)	1-00-024	92.1	2.66*	1.81*	2.47*	-	2.18*	1.49*	2.03*
53			100.0	2.89*	1.97*	2.68*	-	2.37*	1.62*	2.20*
54	-AERIAL PART, DEHY GRND PELLETED, (1)	1-07-848	88.0	2.48*	1.08*	2.30	-	2.03*	0.89*	1.89*
55			100.0	2.81*	1.23*	2.62	-	2.31*	1.01*	2.15*
56	-HAY, S-C, (1)	1-00-078	87.4	2.08*	1.83*	2.09*	1333.*	1.70*	1.50*	1.71*
57			100.0	2.38*	2.10*	2.39*	1526.*	1.95*	1.72*	1.96*
58	-HAY, S-C, 60 TO 66 DAYS' GROWTH, (1)	1-10-775	-	-	-	-	-	-	-	-
59			100.0	2.54*	-	2.53*	-	2.08*	-	2.08*
60	-HAY, S-C, LATE VEGETATIVE, (1)	1-00-054	89.3	2.48*	-	2.19*	-	2.03*	-	1.80*
61			100.0	2.77*	-	2.46*	-	2.27*	-	2.01*
62	-HAY, S-C, EARLY BLOOM, (1)	1-00-059	90.1	1.92	1.90*	2.35*	-	2.12	1.55*	1.93*
63			100.0	2.13	2.10*	2.61*	-	2.35	1.72*	2.14*
64	-HAY, S-C, MIDBLOOM, (1)	1-00-063	85.7	2.18*	1.78*	2.17*	-	1.78*	1.46*	1.78*
65			100.0	2.54*	2.08*	2.53*	-	2.08*	1.71*	2.07*
66	-HAY, S-C, FULL BLOOM, (1)	1-00-068	85.0	2.11*	-	2.05*	-	1.73*	-	1.68*
67			100.0	2.48*	-	2.41*	-	2.03*	-	1.98*
68	-HAY, S-C, RIPE SEED, (1)	1-00-071	92.0	-	-	-	-	-	-	-
69			100.0	-	-	-	-	-	-	-
70	-HAY, S-C FERTILIZED, 25 TO 31 DAYS' GROWTH, (1)	1-10-773	-	-	-	-	-	-	-	-
71			100.0	-	-	-	-	-	-	-
72	-HAY, S-C FERTILIZED, 39 TO 45 DAYS' GROWTH, (1)	1-10-772	-	-	-	-	-	-	-	-
73			100.0	-	-	-	-	-	-	-
74	-HAY, S-C FERTILIZED, 53 TO 59 DAYS' GROWTH, (1)	1-10-771	-	-	-	-	-	-	-	-
75			100.0	-	-	-	-	-	-	-
76	-HAY, S-C FERTILIZED, 60 TO 66 DAYS' GROWTH, (1)	1-10-774	-	-	-	-	-	-	-	-
77			100.0	2.54*	-	2.55*	-	2.08*	-	2.09*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	3253.*	-	1.46*	0.95*	1.61*	65.*	-	72.*	77.*	-	2.5	58	5
02	3669.*	-	1.65*	1.07*	1.81*	73.*	-	81.*	87.*	-	2.8	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	1.14*	0.55*	1.18*	53.*	43.*	53.*	-	-	17.1	12	6
41	-	-	1.25*	0.60*	1.29*	58.*	47.*	58.*	-	-	18.7	-	-
42	-	-	1.16*	0.58*	1.21*	54.*	-	53.*	-	-	19.1		1
43	-	-	1.27*	0.64*	1.33*	59.*	-	58.*	-	-	21.0	-	-
44	-	-	1.14*	0.58*	1.20*	53▲*	43▲*	49▲	-	-	16.3	14	12
45	-	-	1.28*	0.66*	1.35*	60▲*	48▲*	55▲	-	-	18.4	-	-
46	-	-	1.09*	0.50*	1.12*	51▲*	47▲*	46▲	-	-	15.1	5	4
47	-	-	1.22*	0.56*	1.25*	57▲*	52▲*	51▲	-	-	16.9	-	-
48	-	1213▲	1.24*	0.68*	1.32*	58▲*	47▲*	54▲*	-	-	17.7		5
49	-	1309▲	1.34*	0.73*	1.43*	62▲*	51▲*	59▲*	-	-	19.1	-	-
50	-	666▲	1.17*	0.59*	1.23*	55▲*	47▲*	53▲*	-	-	15.6	2	5
51	-	722▲	1.27*	0.64*	1.33*	59▲*	50▲*	57▲*	-	-	16.9	-	-
52	-	1585.	1.31*	0.77*	1.42*	60.*	45.*	56.*	-	-	20.1		3
53	-	1721.	1.42*	0.84*	1.54*	65.*	49.*	61.*	-	-	21.8	-	-
54	-	-	1.21*	0.69*	1.30*	56▲*	26▲*	50▲	-	-	18.3		3
55	-	-	1.38*	0.79*	1.48*	64▲*	29▲*	57▲	-	-	20.7	-	-
56	1153.*	-	1.00*	0.38*	1.00*	47.	46.	47.	30.	-	15.0	23	26
57	1320.*	-	1.15*	0.44*	1.14*	54.	53.	54.	35.	-	17.2	-	-
58	-	-	-	-	-	-	-	-	-	-	-		2
59	-	-	1.23*	0.57*	1.27*	58.*	-	57.*	-	-	21.1	-	-
60	-	-	1.21*	0.68*	1.30*	56▲	-	50▲*	-	-	18.4		2
61	-	-	1.36*	0.76*	1.45*	63▲	-	56▲*	-	-	20.6	-	-
62	-	-	1.27*	0.74*	0.86*	52.	48.*	53.	-	-	17.5	9	10
63	-	-	1.41*	0.82*	0.95*	58.	53.*	59.	-	-	19.5	-	-
64	-	-	1.05*	0.49*	1.09*	49.	45.*	49.	-	-	14.7	10	4
65	-	-	1.23*	0.57*	1.27*	58.	52.*	57.	-	-	17.2	-	-
66	-	-	1.02*	0.44*	1.04*	48.	-	46.	-	-	14.2		3
67	-	-	1.20*	0.52*	1.22*	56.	-	55.	-	-	16.7	-	-
68	-	-	-	-	-	-	-	-	-	-	12.7		3
69	-	-	-	-	-	-	-	-	-	-	13.9	-	-
70	-	-	-	-	-	-	-	-	-	-	-		3
71	-	-	-	-	-	-	-	-	-	-	32.4	-	-
72	-	-	-	-	-	-	-	-	-	-	-		3
73	-	-	-	-	-	-	-	-	-	-	29.1	-	-
74	-	-	-	-	-	-	-	-	-	-	-		3
75	-	-	-	-	-	-	-	-	-	-	21.4	-	-
76	-	-	-	-	-	-	-	-	-	-	-	4	13
77	-	-	1.23*	0.57*	1.27*	58.*	-	58.*	-	-	21.9	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-1.1*	-0.1*	-0.1*	-	-	9.8	28	5	0.6	-	-	-
02	-1.3*	-0.1*	-0.1*	-	-	11.1	-	-	0.7	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	12.3	12.3*	12.3	-	-	23.4	25	6	2.9	-	-	-
41	13.5	13.4*	13.5	-	-	25.6	-	-	3.2	-	-	-
42	13.0*	14.0*	14.0*	-	-	25.6		1	2.1	-	-	-
43	15.1*	15.4*	15.4*	-	-	28.1	-	-	2.3	-	-	-
44	11.4*	11.7*	10.9	-	-	24.4	24	12	2.8	1.47	21	4
45	12.9*	13.1*	12.2	-	-	27.5	-	-	3.1	1.65	-	-
46	10.3*	10.6*	10.4	-	-	25.8	16	4	1.7	-	-	-
47	11.6*	11.9*	11.6	-	-	28.9	-	-	1.8	-	-	-
48	12.5*	12.7*	12.7*	-	-	23.3	8	5	2.5	1.53		3
49	13.5*	13.7*	13.7*	-	-	25.2	-	-	2.7	1.65	-	-
50	10.7*	10.9*	10.8*	-	-	25.6	6	5	2.3	1.32		2
51	11.5*	11.9*	11.7*	-	-	27.7	-	-	2.5	1.51	-	-
52	14.6*	14.8*	14.9*	-	-	20.9		3	2.7	1.65		3
53	15.8*	16.0*	16.1*	-	-	22.7	-	-	2.9	1.79	-	-
54	13.1*	13.3*	11.7	-	-	19.9		3	4.2	0.80		1
55	14.9*	15.1*	13.3	-	-	22.6	-	-	4.8	0.91	-	-
56	9.8	11.1	10.5	7.1	-	25.8	24	26	2.4	0.71	57	5
57	11.3	12.7	12.0	8.1	-	29.5	-	-	2.7	0.81	-	-
58	-	-	-	-	-	-		2	-	-	-	-
59	15.3*	15.5*	15.5*	-	-	30.8	-	-	2.6	-	-	-
60	13.0	13.4*	12.9	-	-	27.1		2	2.4	2.19		1
61	14.6	15.0*	14.4	-	-	30.4	-	-	2.7	2.45	-	-
62	12.8	12.7*	13.7	-	-	26.9	12	9	2.0	1.26		2
63	14.2	14.1*	15.2	-	-	29.8	-	-	2.2	1.40	-	-
64	10.5	10.4*	12.0	-	-	27.1	5	4	1.6	1.42		3
65	12.2	12.1*	14.0	-	-	31.7	-	-	1.8	1.66	-	-
66	10.2	10.0*	10.5	-	-	27.1		3	1.7	1.08		3
67	12.0	11.7*	12.3	-	-	31.9	-	-	2.0	1.27	-	-
68	8.2*	8.5*	8.3*	-	-	36.5	18	4	1.0	1.26		2
69	8.9*	9.3*	9.0*	-	-	39.7	-	-	1.1	1.37	-	-
70	-	-	-	-	-	-		3	-	-	-	-
71	25.0*	25.0*	25.6*	-	-	19.1	-	-	-	-	-	-
72	-	-	-	-	-	-		3	-	-	-	-
73	22.2*	22.3*	22.7*	-	-	21.6	-	-	-	-	-	-
74	-	-	-	-	-	-		3	-	-	-	-
75	15.5*	15.7*	15.8*	-	-	28.9	-	-	-	-	-	-
76	-	-	-	-	-	-	2	13	-	-	-	-
77	15.9*	16.1*	16.2*	-	-	30.6	-	-	2.9	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	0.22	0.76		2	1.29	-	-	-	-	-	-	-	-	-	-	-	-	-
45	0.25	0.85	-	-	1.46	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	0.30		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	0.22		3	-	-	-	892$_a$	17.8	23.8	-	13.1	-	-	0.35	1.00	0.19	0.25
49	-	0.24	-	-	-	-	-	962$_a$	19.2	25.7	-	14.1	-	-	0.38	1.08	0.21	0.27
50	-	0.25		1	1.17	-	-	889$_a$	38.7	18.0	-	9.9	-	-	0.27	0.81	0.26	0.18
51	-	0.27	-	-	1.26	-	-	963$_a$	41.9	19.5	-	10.7	-	-	0.29	0.87	0.28	0.20
52	-	0.29		3	-	-	-	911$_a$	31.1	33.3	-	12.9	-	-	0.36	1.00	0.32	0.24
53	-	0.31	-	-	-	-	-	989$_a$	33.8	36.1	-	14.0	-	-	0.39	1.08	0.35	0.26
54	-	0.77		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	0.68	0.28	98	5	1.90	0.28	-	-	48.8	17.2	-	7.1	-	-	-	-	-	-
57	0.78	0.32	-	-	2.18	0.32	-	-	55.9	19.7	-	8.1	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	0.23	0.33		1	2.11	0.56	-	-	-	-	-	-	-	-	-	-	-	-
61	0.25	0.36	-	-	2.36	0.63	-	-	-	-	-	-	-	-	-	-	-	-
62	0.27	0.17		3	1.87	0.27	-	-	-	-	-	-	-	-	-	-	-	-
63	0.30	0.19	-	-	2.08	0.30	-	-	-	-	-	-	-	-	-	-	-	-
64	0.26	0.22		3	1.41	0.26	-	-	-	-	-	4.1	-	-	-	-	-	-
65	0.30	0.26	-	-	1.65	0.30	-	-	-	-	-	4.8	-	-	-	-	-	-
66	0.31	0.20		3	1.49	-	-	-	-	-	-	-	-	-	-	-	-	-
67	0.36	0.23	-	-	1.76	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	0.17		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME / International Name / Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-HAY, S-C FERTILIZED, LATE VEGETATIVE, (1)	1-10-770	-	-	-	-	-	-	-	-
02			100.0	2.66*	-	2.62*	-	2.18*	-	2.14*
03	-HAY, S-C FERTILIZED, MIDBLOOM, (1)	1-10-411	82.3	2.30*	1.85*	2.22*	-	1.89*	1.52*	1.82*
04			100.0	2.80*	2.25*	2.69*	-	2.30*	1.84*	2.21*
05	-HAY, S-C FERTILIZED, RIPE SEED, (1)	1-10-394	90.0	2.40*	1.42*	2.38*	-	1.97*	1.16*	1.95*
06			100.0	2.67*	1.58*	2.64*	-	2.19*	1.29*	2.17*
07	-HAY, S-C GRND, (1)	1-00-111	88.2	2.18*	-	2.19*	-	1.79*	-	1.79*
08	SUN CURED ALFALFA MEAL (AAFCO)		100.0	2.47*	-	2.48*	-	2.02*	-	2.03*
09	GROUND ALFALFA HAY (AAFCO)		-	-	-	-	-	-	-	-
10	-HAY, S-C GRND, MIDBLOOM, (1)	1-10-412	85.0	2.14*	1.68*	2.11*	-	1.75*	1.37*	1.73*
11			100.0	2.51*	1.97*	2.48*	-	2.06*	1.62*	2.03*
12	-HAY, S-C GRND FERTILIZED, (1)	1-10-401	85.8	2.05*	1.71*	2.05*	-	1.68*	1.40*	1.68*
13			100.0	2.38*	1.99*	2.39*	-	1.95*	1.63*	1.96*
14	-LEAVES, DEHY GRND, (1)	1-00-137	90.8	2.43*	-	2.47*	-	1.99*	-	2.03*
15	DEHYDRATED ALFALFA LEAF MEAL (AAFCO)		100.0	2.67*	-	2.72*	-	2.19*	-	2.23*
16	-LEAVES, S-C GRND, (1)	1-00-147	87.2	2.32*	-	2.32*	-	1.90*	-	1.90*
17			100.0	2.66*	-	2.66*	-	2.18*	-	2.18*
18	-STEMS, S-C, (1)	1-00-164	89.1	-	-	1.81*	-	-	-	1.48*
19			100.0	-	-	2.03*	-	-	-	1.66*
20	-AERIAL PART, FRESH, (2)	2-00-196	26.4	0.77*	-	0.79*	-	0.63*	-	0.65*
21			100.0	2.91*	-	3.00*	-	2.39*	-	2.46*
22	-AERIAL PART, FRESH, LATE VEGETATIVE, (2)	2-00-181	20.7	0.61*	-	0.56*	531.*	0.50*	-	0.46*
23			100.0	2.95*	-	2.69*	2566.*	2.42*	-	2.20*
24	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-00-184	21.8	-	-	0.59*	-	-	-	0.49*
25			100.0	-	-	2.71*	-	-	-	2.22*
26	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-00-182	22.0	-	-	0.54*	-	-	-	0.44*
27			100.0	-	-	2.43*	-	-	-	2.00*
28	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-00-188	44.9	1.21*	-	1.08*	-	0.99*	-	0.89*
29			100.0	2.70*	-	2.42*	-	2.22*	-	1.98*
30	-AERIAL PART, FRESH, FULL BLOOM, CUT 2, (2)	2-00-187	34.4	0.82*	-	0.78*	-	0.67*	-	0.64*
31			100.0	2.38*	-	2.27*	-	1.95*	-	1.86*
32	-AERIAL PART, FRESH, CUT 1, (2)	2-00-191	17.1	0.48*	-	0.41*	-	0.39*	-	0.34*
33			100.0	2.78*	-	2.41*	-	2.28*	-	1.97*
34	-AERIAL PART, FRESH, CUT 2, (2)	2-00-193	17.7	0.46*	-	0.45*	-	0.38*	-	0.37*
35			100.0	2.60*	-	2.53*	-	2.14*	-	2.08*
36	-AERIAL PART, FRESH, CUT 3, (2)	2-00-194	18.7	-	-	0.61*	-	-	-	0.50*
37			100.0	-	-	3.27*	-	-	-	2.68*
38	-AERIAL PART, ENSILED, (3)	3-00-212	26.9	0.72	-	0.78	-	0.59*	-	0.64*
39			100.0	2.68	-	2.91	-	2.20*	-	2.39*
40	-AERIAL PART, WILTED ENSILED, (3)	3-00-221	38.4	0.99*	-	0.99*	-	0.81*	-	0.81*
41			100.0	2.59*	-	2.58*	-	2.12*	-	2.11*
42	-AERIAL PART W MOLASSES ADDED, ENSILED, (3)	3-00-238	29.4	0.80*	-	0.76*	-	0.65*	-	0.62*
43			100.0	2.70*	-	2.58*	-	2.22*	-	2.12*
44	MEDICAGO SATIVA, BROMUS INERMIS, ALFALFA-BROME,		-	-	-	-	-	-	-	-
45	SMOOTH		-	-	-	-	-	-	-	-
46	-BROMUS INERMIS, AERIAL PART, FRESH, (2)	2-00-262	21.6	0.63*	-	0.62*	-	0.52*	-	0.51*
47			100.0	2.93*	-	2.88*	-	2.40*	-	2.36*
48	-BROMUS INERMIS, AERIAL PART,	2-00-261	19.9	-	-	-	-	-	-	-
49	FRESH, EARLY BLOOM, (2)		100.0	-	-	-	-	-	-	-
50	MELANOGRAMMUS AEGLEFINUS, FISH, HADDOCK		-	-	-	-	-	-	-	-
51	-WHOLE, RAW, (5)	5-07-966	19.5	-	-	-	-	-	-	-
52			100.0	-	-	-	-	-	-	-
53	MELEAGRIS GALLOPAVO, TURKEY		-	-	-	-	-	-	-	-
54	- VISCERA, RAW, (5)	5-08-616	27.5	-	-	-	-	-	-	-
55			100.0	-	-	-	-	-	-	-
56	- VISCERA W FEET, RAW, (5)	5-08-618	35.5	-	-	-	-	-	-	-
57			100.0	-	-	-	-	-	-	-
58	- VISCERA, RAW, (5)	5-08-617	22.5	-	-	-	-	-	-	-
59			100.0	-	-	-	-	-	-	-
60	MELILOTUS ALBA, SWEETCLOVER, WHITE		-	-	-	-	-	-	-	-
61	-AERIAL PART, FRESH, (2)	2-09-597	-	-	-	-	-	-	-	-
62			100.0	-	-	3.08*	-	-	-	2.52*
63	MELILOTUS OFFICINALIS, SWEETCLOVER, YELLOW		-	-	-	-	-	-	-	-
64	-SEED SCREENINGS, (5)	5-08-007	87.3	-	-	-	-	-	-	-
65			100.0	-	-	-	-	-	-	-
66	MELINIS MINUTIFLORA, MOLASSESGRASS		-	-	-	-	-	-	-	-
67	-HAY, S-C, (1)	1-09-456	91.9	2.18*	1.85*	2.07*	-	1.78*	1.52*	1.70*
68			100.0	2.37*	2.01*	2.25*	-	1.94*	1.65*	1.85*
69	-AERIAL PART, FRESH, (2)	2-03-130	26.4	0.76*	-	0.57*	-	0.62*	-	0.47*
70			100.0	2.87*	-	2.17*	-	2.35*	-	1.78*
71	-AERIAL PART, FRESH, 11 TO	2-10-702	22.0	0.52*	-	0.56*	-	0.42*	-	0.46*
72	17 DAYS' GROWTH, CUT 1, (2)		100.0	2.35*	-	2.56*	-	1.93*	-	2.10*
73	-AERIAL PART, FRESH, 11 TO	2-10-701	22.5	0.58*	-	0.56*	-	0.47*	-	0.46*
74	17 DAYS' GROWTH, CUT 2, (2)		100.0	2.57*	-	2.49*	-	2.11*	-	2.04*
75	-AERIAL PART, FRESH, 11 TO	2-10-703	18.0	0.45*	-	0.45*	-	0.37*	-	0.37*
76	17 DAYS' GROWTH, CUT 3, (2)		100.0	2.49*	-	2.51*	-	2.04*	-	2.06*
77	-AERIAL PART, FRESH, 11 TO	2-10-704	22.5	0.60*	-	0.57*	-	0.49*	-	0.47*
78	17 DAYS' GROWTH, CUT 4, (2)		100.0	2.65*	-	2.53*	-	2.17*	-	2.08*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	6	8
02	-	-	1.29*	0.67*	1.36*	60.*	-	59.*	-	-	23.7	-	-
03	-	-	1.13*	0.64*	1.21*	52.*	47.*	50.*	-	-	17.0		1
04	-	-	1.37*	0.79*	1.47*	64.*	57.*	61.*	-	-	20.7	-	-
05	-	-	1.17*	0.61*	1.23*	54.*	35.*	54.*	-	-	16.5		1
06	-	-	1.30*	0.67*	1.37*	60.*	39.*	60.*	-	-	18.3	-	-
07	-	529.	1.05*	0.45*	1.07*	49.*	-	50.*	-	-	16.9	47	11
08	-	600.	1.19*	0.51*	1.21*	56.*	-	56.*	-	-	19.1	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	1.03*	0.47*	1.06*	49.*	42.*	48.*	-	-	13.7		2
11	-	-	1.22*	0.55*	1.25*	57.*	49.*	56.*	-	-	16.1	-	-
12	-	-	0.99*	0.38*	0.98*	46.*	43.*	47.*	-	-	13.6		1
13	-	-	1.15*	0.44*	1.15*	54.*	50.*	54.*	-	-	15.9	-	-
14	-	-	1.18*	0.62*	1.25*	55.*	-	56.*	-	-	23.7		2
15	-	-	1.30*	0.68*	1.37*	61.*	-	62.*	-	-	26.1	-	-
16	-	-	1.13*	0.53*	1.19*	53a*	-	53a*	-	-	20.3	31	5
17	-	-	1.29*	0.67*	1.36*	60a*	-	60a*	-	-	23.2	-	-
18	-	-	-	-	-	-	-	41a*	-	-	1.5		1
19	-	-	-	-	-	-	-	46a*	-	-	1.6	-	-
20	-	-	0.38*	0.23*	0.41*	17.*	-	18.*	-	-	5.3	34	14
21	-	-	1.44*	0.86*	1.56*	66.*	-	68.*	-	-	20.1	-	-
22	433.*	-	0.30*	0.18*	0.33*	14.*	-	13.	12.	-	4.4		3
23	2095.*	-	1.46*	0.88*	1.58*	67.*	-	61.	58.	-	21.2	-	-
24	-	-	-	-	-	-	-	13.	-	-	5.0		3
25	-	-	-	-	-	-	-	62.	-	-	23.1	-	-
26	-	-	-	-	-	-	-	12.	-	-	4.7		2
27	-	-	-	-	-	-	-	55.	-	-	21.5	-	-
28	-	-	0.59*	0.32*	0.63*	28.*	-	25.	-	-	8.4	25	4
29	-	-	1.32*	0.70*	1.39*	61.*	-	55.	-	-	18.6	-	-
30	-	-	0.39*	0.15*	0.39*	19.*	-	18.*	-	-	4.6		2
31	-	-	1.15*	0.43*	1.14*	54.*	-	51.*	-	-	13.4	-	-
32	-	-	0.23*	0.13*	0.25*	11.*	-	9.	-	-	3.3	8	6
33	-	-	1.36*	0.76*	1.46*	63.*	-	55.	-	-	19.3	-	-
34	-	-	0.22*	0.11*	0.23*	10.*	-	10.	-	-	3.6	6	6
35	-	-	1.26*	0.63*	1.32*	59.*	-	57.	-	-	20.3	-	-
36	-	-	-	-	-	-	-	14.*	-	-	3.9		3
37	-	-	-	-	-	-	-	74.*	-	-	20.6	-	-
38	-	-	0.35*	0.18*	0.37*	16.	-	15.*	-	-	4.3	20	12
39	-	-	1.30*	0.69*	1.38*	59.	-	55.*	-	-	16.0	-	-
40	-	-	0.40*	0.24*	0.50*	23a	-	22a*	-	-	7.3		2
41	-	-	1.25*	0.61*	1.31*	59a	-	58a*	-	-	19.0	-	-
42	-	-	0.39*	0.21*	0.41*	18a	-	17a*	-	-	5.1	7	4
43	-	-	1.32*	0.70*	1.40*	61a	-	59a*	-	-	17.3	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	0.31*	0.19*	0.34*	14.*	-	14.*	-	-	4.2		1
47	-	-	1.44*	0.87*	1.57*	66.*	-	65.*	-	-	19.6	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	18.3		1
52	-	-	-	-	-	-	-	-	-	-	93.8	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	12.1		1
55	-	-	-	-	-	-	-	-	-	-	44.0	-	-
56	-	-	-	-	-	-	-	-	-	-	12.1		1
57	-	-	-	-	-	-	-	-	-	-	34.0	-	-
58	-	-	-	-	-	-	-	-	-	-	12.2		1
59	-	-	-	-	-	-	-	-	-	-	54.0	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-		1
62	-	-	-	-	-	-	-	70.*	-	-	18.3	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	18.5		1
65	-	-	-	-	-	-	-	-	-	-	21.2	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	1.05*	0.39*	1.04*	49.*	46.*	47.*	-	-	5.6	19	9
68	-	-	1.14*	0.43*	1.13*	54.*	50.*	51.*	-	-	6.1	-	-
69	-	-	0.37*	0.22*	0.40*	17.*	-	13.*	-	-	2.6	31	17
70	-	-	1.41*	0.82*	1.52*	65.*	-	49.*	-	-	9.7	-	-
71	-	-	0.25*	0.09*	0.25*	12.*	-	13.*	-	-	2.5		1
72	-	-	1.14*	0.41*	1.12*	53.*	-	58.*	-	-	11.2	-	-
73	-	-	0.28*	0.13*	0.29*	13.*	-	13.*	-	-	2.8		1
74	-	-	1.24*	0.60*	1.29*	58.*	-	56.*	-	-	12.2	-	-
75	-	-	0.22*	0.10*	0.22*	10.*	-	10.*	-	-	2.1		1
76	-	-	1.20*	0.53*	1.23*	56.*	-	57.*	-	-	11.8	-	-
77	-	-	0.29*	0.15*	0.30*	14.*	-	13.*	-	-	2.7		1
78	-	-	1.29*	0.66*	1.35*	60.*	-	57.*	-	-	12.2	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	2	8	-	-	-	-
02	17.4*	17.6*	17.8*	-	-	29.7	-	-	1.8	-	-	-
03	12.2*	12.4*	12.5*	-	-	18.5		1	1.2	-	-	-
04	14.9*	15.1*	15.1*	-	-	22.5	-	-	1.4	-	-	-
05	11.5*	11.8*	11.7*	-	-	23.9		1	3.9	-	-	-
06	12.8*	13.1*	13.0*	-	-	26.6	-	-	4.3	-	-	-
07	11.9*	12.1*	12.1*	-	-	27.5	26	11	2.6	1.06	26	7
08	13.5*	13.8*	13.7*	-	-	31.2	-	-	3.0	1.20	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	9.3*	9.6*	9.4*	-	-	26.3		2	2.3	-	-	-
11	10.9*	11.2*	11.1*	-	-	30.9	-	-	2.7	-	-	-
12	9.2*	9.5*	9.3*	-	-	28.8		1	2.1	-	-	-
13	10.7*	11.0*	10.8*	-	-	33.6	-	-	2.4	-	-	-
14	17.8*	17.9*	18.2*	-	-	22.8		2	4.1	-	-	-
15	19.6*	19.7*	20.0*	-	-	25.1	-	-	4.5	-	-	-
16	14.9*	15.0*	15.2*	-	-	23.0	23	5	3.3	1.60		1
17	17.1*	17.3*	17.4*	-	-	26.3	-	-	3.8	1.83	-	-
18	-1.4*	-0.9*	-1.6*	-	-	40.3		1	1.4	-	-	-
19	-1.5*	-1.0*	-1.9*	-	-	45.2	-	-	1.5	-	-	-
20	4.1	3.8*	4.1	-	-	5.5	30	14	1.0	-	-	-
21	15.6	14.6*	15.4	-	-	21.0	-	-	3.8	-	-	-
22	3.3*	3.2*	3.4	3.1	-	4.9		3	0.7	0.47		1
23	15.9*	15.6*	16.4	15.1	-	23.6	-	-	3.2	2.26	-	-
24	3.8*	3.7*	4.0	-	-	6.2		3	0.9	0.51		2
25	17.5*	17.1*	18.3	-	-	28.3	-	-	3.9	2.36	-	-
26	3.6*	3.5*	3.5	-	-	7.3		2	1.0	0.52		1
27	16.2*	15.8*	15.7	-	-	33.0	-	-	4.4	2.36	-	-
28	6.2*	6.0*	6.3	-	-	11.3	16	4	1.6	0.78		3
29	13.7*	13.3*	14.0	-	-	25.2	-	-	3.5	1.73	-	-
30	3.2*	3.1*	3.1	-	-	11.3		2	1.0	-	-	-
31	9.3*	8.9*	9.1	-	-	32.9	-	-	2.9	-	-	-
32	2.4*	2.4*	2.4	-	-	4.5	15	6	0.7	0.03	10	4
33	14.3*	13.9*	13.9	-	-	26.1	-	-	4.1	0.15	-	-
34	2.7*	2.6*	2.7	-	-	4.9	8	6	0.7	0.03		1
35	15.1*	14.8*	15.0	-	-	27.4	-	-	3.8	0.15	-	-
36	2.9*	2.8*	3.0*	-	-	5.1	11	4	1.4	-	-	-
37	15.4*	15.0*	16.2*	-	-	27.2	-	-	7.4	-	-	-
38	2.1	2.9*	2.8	-	-	9.8		1	1.7	0.49	23	9
39	7.7	10.8*	10.2	-	-	36.3	-	-	6.3	1.82	-	-
40	4.9	5.2*	5.0	-	-	10.6		2	1.8	0.54		2
41	12.8	13.5*	13.0	-	-	27.7	-	-	4.7	1.40	-	-
42	3.5	3.5*	3.4	-	-	8.5	4	4	1.2	0.45		1
43	11.9	11.9*	11.4	-	-	28.8	-	-	4.0	1.53	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	3.1*	3.1*	3.3*	-	-	5.5		1	0.8	-	-	-
47	14.5*	14.2*	15.3*	-	-	25.3	-	-	3.6	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	0.1	0.02		1
52	-	-	-	-	-	-	-	-	0.5	0.12	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	11.1	-	-	-
55	-	-	-	-	-	-	-	-	40.5	-	-	-
56	-	-	-	-	-	-	-	-	18.3	-	-	-
57	-	-	-	-	-	-	-	-	51.5	-	-	-
58	-	-	-	-	-	-	-	-	5.1	-	-	-
59	-	-	-	-	-	-	-	-	22.5	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-		1	-	-	-	-
62	13.4*	13.0*	14.0*	-	-	22.0	-	-	6.0	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	15.5		1	-	0.82		1
65	-	-	-	-	-	17.8	-	-	-	0.94	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	2.0*	2.5*	1.9*	-	-	31.7	16	9	3.1	-	-	-
68	2.2*	2.7*	2.0*	-	-	34.5	-	-	3.3	-	-	-
69	1.6*	1.5*	0.6	-	-	7.6	16	14	0.9	0.09	62	22
70	5.1*	5.8*	2.3	-	-	28.8	-	-	3.3	0.33	-	-
71	1.6*	1.6*	1.6*	-	-	7.9		1	0.5	-	-	-
72	7.4*	7.1*	7.4*	-	-	35.8	-	-	2.4	-	-	-
73	1.9*	1.8*	1.9*	-	-	8.9		1	0.3	-	-	-
74	8.3*	7.9*	0.4*	-	-	39.5	-	-	1.4	-	-	-
75	1.4*	1.4*	1.4*	-	-	6.6		1	0.3	-	-	-
76	7.9*	7.5*	8.0*	-	-	36.4	-	-	1.7	-	-	-
77	1.9*	1.8*	1.9*	-	-	7.5		1	0.2	-	-	-
78	8.3*	7.9*	8.4*	-	-	33.3	-	-	1.1	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus Coef. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	0.26		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	0.25	8	8	-	0.24	170.5	451a	15.2	13.4	-	8.3	-	-	0.35	0.97	0.18	0.26
08	-	0.28	-	-	-	0.27	193.3	511a	17.2	15.1	-	9.4	-	-	0.40	1.10	0.20	0.30
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	38.9	33.1	-	14.9	-	-	-	1.06	0.30	0.40
15	-	-	-	-	-	-	-	-	42.8	36.4	-	16.4	-	-	-	1.17	0.33	0.45
16	0.33	0.23		1	1.96	-	-	-	-	-	-	-	-	-	-	-	-	-
17	0.30	0.26	-	-	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.05	0.07		1	0.49	0.12	-	-	-	-	-	-	-	-	-	-	-	-
23	0.25	0.35	-	-	2.36	0.60	-	-	-	-	-	-	-	-	-	-	-	-
24	0.07	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0.32	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0.07	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.32	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.12	0.09		3	0.96	0.14	-	-	-	6.4	-	-	-	-	-	-	-	-
29	0.27	0.20	-	-	2.13	0.31	-	-	-	14.2	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	0.37	0.06	34	4	0.04	0.06	-	-	-	-	-	-	-	-	-	-	-	-
33	2.17	0.33	-	-	0.25	0.36	-	-	-	-	-	-	-	-	-	-	-	-
34	0.04	0.06		1	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.20	0.36	-	-	3.13	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.10	0.07	38	9	0.64	0.10	-	-	-	-	-	-	-	-	-	-	-	-
39	0.36	0.26	-	-	2.38	0.36	-	-	-	-	-	-	-	-	-	-	-	-
40	0.13	0.13		2	0.90	0.14	-	-	-	-	-	-	-	-	-	-	-	-
41	0.33	0.33	-	-	2.34	0.	-	-	-	-	-	-	-	-	-	-	-	-
42	-	0.09		1	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.30	-	-	2.65	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.20		1	0.30	-	-	-	30.0	-	-	0.7	-	-	-	-	-	-
52	-	1.01	-	-	1.56	-	-	-	153.8	-	-	3.6	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.41		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.08	0.06	29	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	0.32	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, 11 TO	2-10-705	30.0	0.71*	-	0.76*	-	0.59*	-	0.62*
02	17 DAYS' GROWTH, CUT 6, (2)		100.0	2.38*	-	2.54*	-	1.95*	-	2.08*
03	-AERIAL PART, FRESH, 11 TO	2-10-706	28.0	0.66*	-	0.70*	-	0.54*	-	0.57*
04	17 DAYS' GROWTH, CUT 7, (2)		100.0	2.37*	-	2.50*	-	1.94*	-	2.05*
05	-AERIAL PART, FRESH, 11 TO	2-10-707	30.0	0.70*	-	0.75*	-	0.57*	-	0.61*
06	17 DAYS' GROWTH, CUT 8, (2)		100.0	2.32*	-	2.49*	-	1.90*	-	2.04*
07	-AERIAL PART, FRESH, 11 TO	2-10-708	27.5	0.68*	-	0.70*	-	0.56*	-	0.57*
08	17 DAYS' GROWTH, CUT 9, (2)		100.0	2.46*	-	2.53*	-	2.02*	-	2.07*
09	-AERIAL PART, FRESH, 11 TO	2-10-709	27.5	0.64*	-	0.66*	-	0.52*	-	0.54*
10	17 DAYS' GROWTH, CUT 10, (2)		100.0	2.31*	-	2.39*	-	1.90*	-	1.96*
11	-AERIAL PART, FRESH, 11 TO	2-10-710	21.0	0.52*	-	0.52*	-	0.42*	-	0.42*
12	17 DAYS' GROWTH, CUT 12, (2)		100.0	2.46*	-	2.49*	-	2.02*	-	2.04*
13	-AERIAL PART, FRESH, 11 TO	2-10-711	26.0	0.61*	-	0.64*	-	0.50*	-	0.52*
14	17 DAYS' GROWTH, CUT 13, (2)		100.0	2.33*	-	2.46*	-	1.91*	-	2.01*
15	-AERIAL PART, FRESH, 11 TO	2-10-712	26.5	0.63*	-	0.65*	-	0.51*	-	0.53*
16	17 DAYS' GROWTH, CUT 14, (2)		100.0	2.37*	-	2.45*	-	1.94*	-	2.01*
17	-AERIAL PART, FRESH, 11 TO	2-10-713	27.5	0.71*	-	0.69*	-	0.58*	-	0.57*
18	17 DAYS' GROWTH, CUT 15, (2)		100.0	2.57*	-	2.51*	-	2.11*	-	2.06*
19	-AERIAL PART, FRESH, 11 TO	2-10-714	18.0	0.47*	-	0.46*	-	0.38*	-	0.38*
20	17 DAYS' GROWTH, CUT 16, (2)		100.0	2.60*	-	2.58*	-	2.13*	-	2.11*
21	-AERIAL PART, FRESH, 11 TO	2-10-715	20.0	0.48*	-	0.49*	-	0.39*	-	0.40*
22	17 DAYS' GROWTH, CUT 18, (2)		100.0	2.38*	-	2.43*	-	1.95*	-	1.99*
23	-AERIAL PART, FRESH, 11 TO	2-10-716	23.5	0.53*	-	0.55*	-	0.43*	-	0.45*
24	17 DAYS' GROWTH, CUT 19, (2)		100.0	2.26*	-	2.36*	-	1.85*	-	1.93*
25	-AERIAL PART, FRESH, 11 TO	2-10-717	24.5	0.59*	-	0.56*	-	0.48*	-	0.46*
26	17 DAYS' GROWTH, CUT 20, (2)		100.0	2.40*	-	2.30*	-	1.97*	-	1.89*
27	-AERIAL PART, FRESH, 11 TO	2-10-718	20.0	0.51*	-	0.48*	-	0.42*	-	0.40*
28	17 DAYS' GROWTH, CUT 21, (2)		100.0	2.54*	-	2.42*	-	2.09*	-	1.99*
29	-AERIAL PART, FRESH, 11 TO	2-10-719	23.0	0.58*	-	0.57*	-	0.48*	-	0.47*
30	17 DAYS' GROWTH, CUT 23, (2)		100.0	2.54*	-	2.50*	-	2.09*	-	2.05*
31	-AERIAL PART, FRESH, 11 TO	2-10-720	23.0	0.61*	-	0.60*	-	0.50*	-	0.49*
32	17 DAYS' GROWTH, CUT 24, (2)		100.0	2.64*	-	2.62*	-	2.17*	-	2.15*
33	-AERIAL PART, FRESH, 11 TO	2-10-721	21.0	0.50*	-	0.51*	-	0.41*	-	0.42*
34	17 DAYS' GROWTH, CUT 25, (2)		100.0	2.38*	-	2.44*	-	1.95*	-	2.00*
35	-AERIAL PART, FRESH, 18 TO 24 DAYS' GROWTH, (2)	2-09-717	-	-	-	-	-	-	-	-
36			100.0	2.56*	-	2.62*	-	2.10*	-	2.15*
37	-AERIAL PART, FRESH, 18 TO	2-09-716	-	-	-	-	-	-	-	-
38	24 DAYS' GROWTH, CUT 1, (2)		100.0	2.30*	1.58*	2.26*	-	1.88*	1.29*	1.85*
39	-AERIAL PART, FRESH, 18 TO	2-09-719	-	-	-	-	-	-	-	-
40	24 DAYS' GROWTH, CUT 3, (2)		100.0	2.67*	-	2.68*	-	2.19*	-	2.20*
41	-AERIAL PART, FRESH, 18 TO	2-09-720	-	-	-	-	-	-	-	-
42	24 DAYS' GROWTH, CUT 4, (2)		100.0	2.71*	-	2.64*	-	2.22*	-	2.16*
43	-AERIAL PART, FRESH, 18 TO	2-09-721	32.0	0.79*	-	0.82*	-	0.65*	-	0.68*
44	24 DAYS' GROWTH, CUT 5, (2)		100.0	2.46*	-	2.57*	-	2.02*	-	2.11*
45	-AERIAL PART, FRESH, 18 TO	2-09-722	-	-	-	-	-	-	-	-
46	24 DAYS' GROWTH, CUT 6, (2)		100.0	2.83*	-	2.65*	-	2.32*	-	2.18*
47	-AERIAL PART, FRESH, 18 TO	2-09-724	-	-	-	-	-	-	-	-
48	24 DAYS' GROWTH, CUT 7, (2)		100.0	2.88*	-	2.65*	-	2.36*	-	2.17*
49	-AERIAL PART, FRESH, 18 TO	2-10-724	22.0	0.58*	-	0.56*	-	0.47*	-	0.46*
50	24 DAYS' GROWTH, CUT 11, (2)		100.0	2.62*	-	2.53*	-	2.15*	-	2.08*
51	-AERIAL PART, FRESH, 18 TO	2-10-723	33.0	0.86*	-	0.85*	-	0.70*	-	0.69*
52	24 DAYS' GROWTH, CUT 17, (2)		100.0	2.61*	-	2.56*	-	2.14*	-	2.10*
53	-AERIAL PART, FRESH, 18 TO	2-10-722	17.0	0.42*	-	0.41*	-	0.35*	-	0.33*
54	24 DAYS' GROWTH, CUT 22, (2)		100.0	2.49*	-	2.40*	-	2.04*	-	1.97*
55	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-09-515	26.0	0.69*	-	0.70*	-	0.57*	-	0.58*
56			100.0	2.66*	-	2.70*	-	2.18*	-	2.21*
57	-AERIAL PART, FRESH, 25 TO	2-09-516	23.0	0.52*	-	0.58*	-	0.43*	-	0.47*
58	31 DAYS' GROWTH, CUT 1, (2)		100.0	2.28*	-	2.51*	-	1.87*	-	2.05*
59	-AERIAL PART, FRESH, 25 TO	2-09-517	18.0	0.46*	-	0.47*	-	0.37*	-	0.39*
60	31 DAYS' GROWTH, CUT 2, (2)		100.0	2.54*	-	2.62*	-	2.08*	-	2.15*
61	-AERIAL PART, FRESH, 25 TO	2-09-518	26.0	0.86*	-	0.73*	-	0.70*	-	0.60*
62	31 DAYS' GROWTH, CUT 3, (2)		100.0	3.29*	-	2.79*	-	2.70*	-	2.29*
63	-AERIAL PART, FRESH, 25 TO	2-09-519	25.0	0.55*	-	0.64*	-	0.45*	-	0.52*
64	31 DAYS' GROWTH, CUT 6, (2)		100.0	2.21*	-	2.54*	-	1.81*	-	2.08*
65	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-09-718	-	-	-	-	-	-	-	-
66			100.0	2.73*	-	2.69*	-	2.24*	-	2.20*
67	-AERIAL PART, FRESH, 39 TO	2-09-520	21.0	0.56*	-	0.54*	-	0.46*	-	0.45*
68	45 DAYS' GROWTH, CUT 1, (2)		100.0	2.65*	-	2.59*	-	2.17*	-	2.12*
69	-AERIAL PART, FRESH, 39 TO	2-09-521	23.0	0.67*	-	0.59*	-	0.55*	-	0.48*
70	45 DAYS' GROWTH, CUT 2, (2)		100.0	2.93*	-	2.54*	-	2.40*	-	2.09*
71	-AERIAL PART, FRESH, 39 TO	2-09-522	19.0	0.45*	-	0.49*	-	0.37*	-	0.40*
72	45 DAYS' GROWTH, CUT 3, (2)		100.0	2.36*	-	2.59*	-	1.93*	-	2.12*
73	-AERIAL PART, FRESH, 39 TO	2-09-523	22.0	0.52*	-	0.57*	-	0.42*	-	0.46*
74	45 DAYS' GROWTH, CUT 4, (2)		100.0	2.34*	-	2.58*	-	1.92*	-	2.11*
75	-AERIAL PART, FRESH, 39 TO	2-09-524	21.0	0.61*	-	0.57*	-	0.50*	-	0.47*
76	45 DAYS' GROWTH, CUT 5, (2)		100.0	2.90*	-	2.70*	-	2.38*	-	2.22*
77	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-09-525	21.7	0.50*	-	0.54*	-	0.41*	-	0.44*
78			100.0	2.32*	-	2.47*	-	1.90*	-	2.03*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.34*	0.13*	0.34*	16.*	-	17.*	-	-	2.7		1
02	-	-	1.15*	0.44*	1.14*	54.*	-	58.*	-	-	8.9	-	-
03	-	-	0.32*	0.12*	0.32*	15.*	-	16.*	-	-	2.5		1
04	-	-	1.15*	0.43*	1.14*	54.*	-	57.*	-	-	8.9	-	-
05	-	-	0.34*	0.11*	0.33*	16.*	-	17.*	-	-	2.4		1
06	-	-	1.12*	0.38*	1.10*	53.*	-	56.*	-	-	7.9	-	-
07	-	-	0.33*	0.14*	0.33*	15.*	-	16.*	-	-	2.8		1
08	-	-	1.19*	0.51*	1.21*	56.*	-	57.*	-	-	10.2	-	-
09	-	-	0.31*	0.10*	0.30*	14.*	-	15.*	-	-	2.1		1
10	-	-	1.12*	0.38*	1.09*	52.*	-	54.*	-	-	7.8	-	-
11	-	-	0.25*	0.11*	0.25*	12.*	-	12.*	-	-	2.4		1
12	-	-	1.19*	0.51*	1.21*	56.*	-	56.*	-	-	11.3	-	-
13	-	-	0.29*	0.10*	0.29*	14.*	-	14.*	-	-	2.5		1
14	-	-	1.13*	0.39*	1.10*	53.*	-	56.*	-	-	9.7	-	-
15	-	-	0.30*	0.11*	0.30*	14.*	-	15.*	-	-	2.5		1
16	-	-	1.15*	0.43*	1.14*	54.*	-	55.*	-	-	9.5	-	-
17	-	-	0.34*	0.16*	0.36*	16.*	-	16.*	-	-	3.0		1
18	-	-	1.25*	0.60*	1.29*	58.*	-	57.*	-	-	10.9	-	-
19	-	-	0.23*	0.11*	0.24*	11.*	-	11.*	-	-	2.3		1
20	-	-	1.26*	0.62*	1.31*	59.*	-	58.*	-	-	12.6	-	-
21	-	-	0.23*	0.09*	0.23*	11.*	-	11.*	-	-	1.8		1
22	-	-	1.15*	0.44*	1.15*	54.*	-	55.*	-	-	9.2	-	-
23	-	-	0.26*	0.08*	0.25*	12.*	-	13.*	-	-	1.6		1
24	-	-	1.09*	0.33*	1.05*	51.*	-	53.*	-	-	6.8	-	-
25	-	-	0.28*	0.11*	0.28*	13.*	-	13.*	-	-	1.7		1
26	-	-	1.16*	0.46*	1.15*	55.*	-	52.*	-	-	7.0	-	-
27	-	-	0.25*	0.12*	0.25*	12.*	-	11.*	-	-	2.5		1
28	-	-	1.23*	0.58*	1.27*	58.*	-	55.*	-	-	12.7	-	-
29	-	-	0.28*	0.13*	0.29*	13.*	-	13.*	-	-	2.3		1
30	-	-	1.23*	0.58*	1.27*	58.*	-	57.*	-	-	10.1	-	-
31	-	-	0.30*	0.15*	0.31*	14.*	-	14.*	-	-	2.7		1
32	-	-	1.28*	0.66*	1.35*	60.*	-	59.*	-	-	11.6	-	-
33	-	-	0.24*	0.09*	0.24*	11.*	-	12.*	-	-	2.0		1
34	-	-	1.15*	0.44*	1.14*	54.*	-	55.*	-	-	9.6	-	-
35	-	-	-	-	-	-	-	-	-	-	-		2
36	-	-	1.24*	0.59*	1.29*	58.*	-	60.*	-	-	7.5	-	-
37	-	-	-	-	-	-	-	-	-	-	-		2
38	-	-	1.11*	0.36*	1.08*	52.*	38.*	51.*	-	-	5.1	-	-
39	-	-	-	-	-	-	-	-	-	-	-	12	6
40	-	-	1.30*	0.68*	1.37*	61.*	-	61.*	-	-	7.1	-	-
41	-	-	-	-	-	-	-	-	-	-	-	10	4
42	-	-	1.32*	0.71*	1.40*	61.*	-	60.*	-	-	6.7	-	-
43	-	-	0.38*	0.16*	0.39*	18.*	-	19.*	-	-	2.3	26	4
44	-	-	1.19*	0.51*	1.21*	56.*	-	58.*	-	-	7.1	-	-
45	-	-	-	-	-	-	-	-	-	-	-		3
46	-	-	1.39*	0.80*	1.50*	64.*	-	60.*	-	-	6.6	-	-
47	-	-	-	-	-	-	-	-	-	-	-		2
48	-	-	1.42*	0.83*	1.53*	65.*	-	60.*	-	-	4.6	-	-
49	-	-	0.28*	0.14*	0.29*	13.*	-	13.*	-	-	3.0		1
50	-	-	1.27*	0.64*	1.33*	59.*	-	57.*	-	-	13.7	-	-
51	-	-	0.42*	0.21*	0.44*	19.*	-	19.*	-	-	4.6		1
52	-	-	1.26*	0.63*	1.32*	59.*	-	58.*	-	-	14.0	-	-
53	-	-	0.20*	0.09*	0.21*	10.*	-	9.*	-	-	1.7		1
54	-	-	1.20*	0.53*	1.23*	56.*	-	54.*	-	-	10.0	-	-
55	-	-	0.34*	0.17*	0.35*	16.*	-	16.*	-	-	2.5		1
56	-	-	1.29*	0.67*	1.36*	60.*	-	61.*	-	-	9.6	-	-
57	-	-	0.25*	0.08*	0.24*	12.*	-	13.*	-	-	2.1		1
58	-	-	1.10*	0.35*	1.06*	52.*	-	57.*	-	-	9.3	-	-
59	-	-	0.22*	0.10*	0.23*	10.*	-	11.*	-	-	2.2		1
60	-	-	1.23*	0.57*	1.26*	58.*	-	59.*	-	-	12.4	-	-
61	-	-	0.44*	0.29*	0.48*	19.*	-	16.*	-	-	2.9		1
62	-	-	1.68*	1.10*	1.85*	75.*	-	63.*	-	-	11.2	-	-
63	-	-	0.27*	0.07*	0.25*	13.*	-	14.*	-	-	2.4		1
64	-	-	1.07*	0.28*	1.01*	50.*	-	58.*	-	-	9.7	-	-
65	-	-	-	-	-	-	-	-	-	-	-	8	5
66	-	-	1.33*	0.72*	1.42*	62.*	-	61.*	-	-	8.0	-	-
67	-	-	0.27*	0.14*	0.28*	13.*	-	12.*	-	-	2.0		1
68	-	-	1.29*	0.66*	1.35*	60.*	-	59.*	-	-	9.6	-	-
69	-	-	0.33*	0.20*	0.36*	15.*	-	13.*	-	-	2.1		1
70	-	-	1.45*	0.87*	1.57*	66.*	-	58.*	-	-	9.3	-	-
71	-	-	0.22*	0.08*	0.21*	10.*	-	11.*	-	-	2.0		1
72	-	-	1.14*	0.42*	1.13*	53.*	-	59.*	-	-	10.5	-	-
73	-	-	0.25*	0.09*	0.24*	12.*	-	13.*	-	-	2.2		1
74	-	-	1.13*	0.40*	1.11*	53.*	-	58.*	-	-	10.2	-	-
75	-	-	0.30*	0.18*	0.33*	14.*	-	13.*	-	-	1.8		1
76	-	-	1.43*	0.85*	1.55*	66.*	-	61.*	-	-	8.7	-	-
77	-	-	0.24*	0.08*	0.24*	11.*	-	12.*	-	-	1.5		3
78	-	-	1.12*	0.39*	1.10*	53.*	-	56.*	-	-	7.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.6*	1.5*	1.6*	-	-	10.0		1	0.7	-	-	-
02	5.5*	5.1*	5.3*	-	-	33.3	-	-	2.2	-	-	-
03	1.5*	1.4*	1.5*	-	-	9.9		1	0.5	-	-	-
04	5.5*	5.1*	5.3*	-	-	35.5	-	-	1.7	-	-	-
05	1.4*	1.3*	1.3*	-	-	10.6		1	0.5	-	-	-
06	4.6*	4.2*	4.4*	-	-	35.3	-	-	1.8	-	-	-
07	1.8*	1.7*	1.8*	-	-	9.2		1	0.5	-	-	-
08	6.6*	6.2*	6.5*	-	-	33.6	-	-	1.7	-	-	-
09	1.2*	1.1*	1.2*	-	-	10.5		1	0.4	-	-	-
10	4.5*	4.2*	4.3*	-	-	38.2	-	-	1.6	-	-	-
11	1.6*	1.5*	1.6*	-	-	8.2		1	0.3	-	-	-
12	7.5*	7.1*	7.5*	-	-	39.1	-	-	1.6	-	-	-
13	1.6*	1.5*	1.6*	-	-	10.7		1	0.4	-	-	-
14	6.1*	5.8*	6.0*	-	-	41.0	-	-	1.7	-	-	-
15	1.6*	1.5*	1.5*	-	-	10.0		1	0.5	-	-	-
16	6.0*	5.6*	5.8*	-	-	37.6	-	-	1.7	-	-	-
17	2.0*	1.9*	2.0*	-	-	9.4		1	0.3	-	-	-
18	7.2*	6.8*	7.1*	-	-	34.2	-	-	1.2	-	-	-
19	1.5*	1.5*	1.6*	-	-	6.1		1	0.3	-	-	-
20	8.6*	8.2*	8.7*	-	-	33.7	-	-	1.4	-	-	-
21	1.1*	1.1*	1.1*	-	-	7.5		1	0.3	-	-	-
22	5.7*	5.3*	5.6*	-	-	37.6	-	-	1.6	-	-	-
23	0.9*	0.8*	0.8*	-	-	9.8		1	0.3	-	-	-
24	3.7*	3.3*	3.3*	-	-	41.7	-	-	1.4	-	-	-
25	0.9*	0.9*	0.9*	-	-	9.0		1	0.3	-	-	-
26	3.8*	3.5*	3.5*	-	-	36.9	-	-	1.4	-	-	-
27	1.7*	1.7*	1.8*	-	-	6.0		1	0.3	-	-	-
28	8.7*	8.3*	8.8*	-	-	30.2	-	-	1.5	-	-	-
29	1.5*	1.4*	1.5*	-	-	7.5		1	0.3	-	-	-
30	6.5*	6.1*	6.4*	-	-	32.8	-	-	1.3	-	-	-
31	1.8*	1.7*	1.8*	-	-	6.5		1	0.3	-	-	-
32	7.7*	7.4*	7.8*	-	-	28.2	-	-	1.4	-	-	-
33	1.3*	1.2*	1.2*	-	-	7.8		1	0.4	-	-	-
34	6.0*	5.7*	5.9*	-	-	37.4	-	-	1.7	-	-	-
35	-	-	-	-	-	-		2	-	-	-	-
36	4.3*	3.9*	4.0*	-	-	29.3	-	-	1.6	-	-	-
37	-	-	-	-	-	-		2	-	-	-	-
38	1.4*	1.9*	1.2*	-	-	32.3	-	-	1.7	-	-	-
39	-	-	-	-	-	-	2	6	-	-	-	-
40	3.9*	3.5*	3.6*	-	-	29.9	-	-	2.5	-	-	-
41	-	-	-	-	-	-	2	4	-	-	-	-
42	3.6*	3.3*	3.3*	-	-	28.7	-	-	2.8	-	-	-
43	1.3*	1.1*	1.2*	-	-	10.6	13	4	1.0	-	-	-
44	3.9*	3.6*	3.6*	-	-	33.0	-	-	3.0	-	-	-
45	-	-	-	-	-	-		3	-	-	-	-
46	3.5*	3.2*	3.2*	-	-	31.7	-	-	3.3	-	-	-
47	-	-	-	-	-	-		2	-	-	-	-
48	1.8*	1.5*	1.3*	-	-	29.6	-	-	3.1	-	-	-
49	2.1*	2.0*	2.1*	-	-	7.9		1	0.3	-	-	-
50	9.5*	9.2*	9.8*	-	-	36.1	-	-	1.5	-	-	-
51	3.2*	3.1*	3.3*	-	-	12.0		1	0.5	-	-	-
52	9.3*	9.4*	10.0*	-	-	36.3	-	-	1.6	-	-	-
53	1.1*	1.0*	1.1*	-	-	5.6		1	0.3	-	-	-
54	6.4*	6.0*	6.3*	-	-	33.2	-	-	1.5	-	-	-
55	1.6*	1.5*	1.5*	-	-	7.9		1	0.6	-	-	-
56	6.0*	5.6*	5.9*	-	-	30.6	-	-	2.3	-	-	-
57	1.3*	1.3*	1.3*	-	-	7.2		1	0.8	-	-	-
58	5.8*	5.5*	5.7*	-	-	31.4	-	-	3.5	-	-	-
59	1.5*	1.5*	1.5*	-	-	5.1		1	0.5	-	-	-
60	8.4*	8.1*	8.6*	-	-	28.6	-	-	2.9	-	-	-
61	1.9*	1.8*	1.9*	-	-	6.9		1	1.0	-	-	-
62	7.4*	7.1*	7.4*	-	-	26.6	-	-	3.8	-	-	-
63	1.5*	1.4*	1.5*	-	-	9.6		1	0.7	-	-	-
64	6.1*	5.7*	6.0*	-	-	38.2	-	-	2.6	-	-	-
65	-	-	-	-	-	-	2	4	-	-	-	-
66	4.7*	4.3*	4.5*	-	-	28.5	-	-	2.5	-	-	-
67	1.3*	1.2*	1.2*	-	-	6.6		1	0.9	-	-	-
68	6.0*	5.6*	5.9*	-	-	31.6	-	-	4.1	-	-	-
69	1.3*	1.3*	1.3*	-	-	7.0		1	1.2	-	-	-
70	5.8*	5.5*	5.7*	-	-	30.4	-	-	5.2	-	-	-
71	1.3*	1.2*	1.3*	-	-	6.6		1	0.8	-	-	-
72	6.9*	6.5*	6.8*	-	-	34.9	-	-	4.0	-	-	-
73	1.4*	1.4*	1.4*	-	-	7.8		1	0.6	-	-	-
74	6.6*	6.2*	6.5*	-	-	35.4	-	-	2.9	-	-	-
75	1.1*	1.0*	1.1*	-	-	6.7		1	0.7	-	-	-
76	5.3*	4.9*	5.1*	-	-	32.0	-	-	3.4	-	-	-
77	0.8*	0.8*	0.8*	-	-	6.9		3	0.8	-	-	-
78	3.8*	3.5*	3.5*	-	-	32.0	-	-	3.7	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Mat.	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, 53 TO	2-09-526	23.0	0.55*	-	0.58*	-	0.45*	-	0.48*
02	59 DAYS' GROWTH, CUT 1, (2)		100.0	2.41*	-	2.53*	-	1.98*	-	2.07*
03	-AERIAL PART, FRESH, 53 TO	2-09-527	24.0	0.58*	-	0.61*	-	0.48*	-	0.50*
04	59 DAYS' GROWTH, CUT 2, (2)		100.0	2.42*	-	2.55*	-	1.98*	-	2.09*
05	-AERIAL PART, FRESH, 53 TO	2-09-528	20.0	-	-	-	-	-	-	-
06	59 DAYS' GROWTH, CUT 3, (2)		100.0	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH, 53 TO	2-09-529	27.0	-	-	-	-	-	-	-
08	59 DAYS' GROWTH, CUT 4, (2)		100.0	-	-	-	-	-	-	-
09	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-10-727	-	-	-	-	-	-	-	-
10			100.0	-	-	-	-	-	-	-
11	-AERIAL PART. FRESH, 123	2-09-723	-	-	-	-	-	-	-	-
12	TO 129 DAYS' GROWTH, (2)		100.0	2.75*	-	2.60*	-	2.26*	-	2.13*
13	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-241	19.9	0.51*	-	0.53*	-	0.42*	-	0.43*
14			100.0	2.57*	-	2.64*	-	2.11*	-	2.16*
15	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-09-410	28.3	0.67*	-	0.72*	-	0.55*	-	0.59*
16			100.0	2.36*	-	2.53*	-	1.94*	-	2.08*
17	-AERIAL PART, FRESH	2-10-725	-	-	-	-	-	-	-	-
18	FERTILIZED, 39 TO 45 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
19	-AERIAL PART, FRESH	2-10-726	-	-	-	-	-	-	-	-
20	FERTILIZED, 60 TO 66 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
21	MILK, ALBUMIN, DRIED		-	-	-	-	-	-	-	-
22	-SEE BOS SPP, WHEY ALBUMIN, HEAT-AND		-	-	-	-	-	-	-	-
23	ACID-PRECIPITATED DEHY, MN 75%		-	-	-	-	-	-	-	-
24	PROTEIN, (5)		-	-	-	-	-	-	-	-
25	MILK, CATTLE, FRESH		-	-	-	-	-	-	-	-
26	-SEE BOS SPP, MILK, FRESH, (5)		-	-	-	-	-	-	-	-
27	MILK, SKIMMED, DRIED		-	-	-	-	-	-	-	-
28	-SEE BOS SPP, MILK, SKIMMED DEHY, MX		-	-	-	-	-	-	-	-
29	8% MOISTURE, (5)		-	-	-	-	-	-	-	-
30	MILK, WHOLE, DRIED		-	-	-	-	-	-	-	-
31	-SEE BOS SPP, MILK, DEHY, FEED GR MX		-	-	-	-	-	-	-	-
32	8% MOISTURE MN 26% FAT, (5)		-	-	-	-	-	-	-	-
33	MOLASSES, CANE, DRIED		-	-	-	-	-	-	-	-
34	-SEE SACCHARUM OFFICINARUM, MOLASSES,		-	-	-	-	-	-	-	-
35	DEHY, (4)		-	-	-	-	-	-	-	-
36	MOLASSES, CANE		-	-	-	-	-	-	-	-
37	-SEE SACCHARUM OFFICINARUM, MOLASSES,		-	-	-	-	-	-	-	-
38	MN 48% INVERT SUGAR MN 79.5 DEGREES		-	-	-	-	-	-	-	-
39	BRIX, (4)		-	-	-	-	-	-	-	-
40	MORUS SPP. MULBERRY		-	-	-	-	-	-	-	-
41	-LEAVES, FRESH, (2)	2-09-732	-	-	-	-	-	-	-	-
42			100.0	-	-	3.09*	-	-	-	2.53*
43	-STEMS, FRESH, (2)	2-09-733	-	-	-	-	-	-	-	-
44			100.0	-	-	-	-	-	-	-
45	MUSA PARADISACA. BANANA, PLANTAIN		-	-	-	-	-	-	-	-
46	-FRUIT, DEHY, RIPE, (4)	4-10-545	86.7	2.69*	-	3.21*	3259.*	2.20*	-	2.63*
47			100.0	3.10*	-	3.70*	3759.*	2.54*	-	3.03*
48	MUSA PARADISIACA. BANANA, PLANTAIN		-	-	-	-	-	-	-	-
49	-FRUIT, FRESH, (4)	4-10-431	21.1	0.65*	-	0.78*	799.*	0.54*	-	0.64*
50			100.0	3.10*	-	3.68*	3787.*	2.54*	-	3.02*
51	MUSA PARADISIACA, SAPIENTUM. BANANA, COMMON		-	-	-	-	-	-	-	-
52	-SAPIENTUM COMMON, AERIAL PART, FRESH, (2)	2-10-544	34.1	0.90*	-	0.91*	-	0.74*	-	0.75*
53			100.0	2.63*	-	2.68*	-	2.16*	-	2.20*
54	-SAPIENTUM COMMON, FRUIT WO PEEL, FRESH, (4)	4-11-005	26.4	-	-	1.01*	1021.*	-	-	0.83*
55			100.0	-	-	3.81*	3869.*	-	-	3.13*
56	MUSA SPP. BANANA		-	-	-	-	-	-	-	-
57	-LEAVES, DERIBBED DEHY GRND, (1)	1-00-482	-	-	-	-	-	-	-	-
58			100.0	-	-	2.59*	-	-	-	2.12*
59	-AERIAL PART, FRESH, (2)	2-00-483	8.1	0.22*	-	0.23*	-	0.18*	-	0.19*
60			100.0	2.67*	-	2.87*	-	2.19*	-	2.35*
61	-LEAVES, DERIBBED, (2)	2-09-908	19.2	0.53*	-	0.53*	-	0.44*	-	0.44*
62			100.0	2.77*	-	2.78*	-	2.27*	-	2.28*
63	-LEAVES, FRESH, (2)	2-09-902	16.1	0.45*	-	0.44*	-	0.37*	-	0.36*
64			100.0	2.83*	-	2.74*	-	2.32*	-	2.25*
65	-FRUIT, DEHY GRND, (4)	4-00-484	85.4	-	-	3.18*	3270.*	-	-	2.61*
66			100.0	-	-	3.73*	3831.*	-	-	3.06*
67	-FRUIT, FRESH, (4)	4-00-485	24.3	0.69*	-	0.86*	874.*	0.57*	-	0.71*
68			100.0	2.85*	-	3.56*	3596.*	2.34*	-	2.92*
69	NATIVE PLANTS. NATIVE PLANTS, INTERMOUNTAIN		-	-	-	-	-	-	-	-
70	-HAY, S-C, (1)	1-03-181	93.4	2.22*	1.73*	2.35*	-	1.82*	1.42*	1.93*
71			100.0	2.38*	1.86*	2.52*	-	1.95*	1.52*	2.07*
72	NATIVE PLANTS. NATIVE PLANTS, MIDWEST		-	-	-	-	-	-	-	-
73	-HAY, S-C, MILK STAGE, (1)	1-03-185	89.6	-	-	-	-	-	-	-
74			100.0	-	-	-	-	-	-	-
75	OAT GROATS (AAFCO)		-	-	-	-	-	-	-	-
76	-SEE AVENA SATIVA, GROATS, (4)		-	-	-	-	-	-	-	-
77	OAT MEAL		-	-	-	-	-	-	-	-
78	-SEE AVENA SATIVA, CEREAL BY-PRODUCT,		-	-	-	-	-	-	-	-
79	MX 4% FIBER, (4)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.27*	0.11*	0.27*	13.*	-	13.*	-	-	2.4		1
02	-	-	1.16*	0.46*	1.17*	55.*	-	57.*	-	-	10.5	-	-
03	-	-	0.28*	0.11*	0.28*	13.*	-	14.*	-	-	2.1		1
04	-	-	1.17*	0.47*	1.17*	55.*	-	58.*	-	-	8.7	-	-
05	-	-	-	-	-	-	-	-	-	-	1.9		1
06	-	-	-	-	-	-	-	-	-	-	9.5	-	-
07	-	-	-	-	-	-	-	-	-	-	1.6		1
08	-	-	-	-	-	-	-	-	-	-	5.8	-	-
09	-	-	-	-	-	-	-	-	-	-	-		1
10	-	-	-	-	-	-	-	-	-	-	7.3	-	-
11	-	-	-	-	-	-	-	-	-	-	-		2
12	-	-	1.34*	0.74*	1.43*	62.*	-	59.*	-	-	5.4	-	-
13	-	-	0.25*	0.12*	0.26*	12.*	-	12.*	-	-	1.9		1
14	-	-	1.25*	0.60*	1.29*	58.*	-	60.*	-	-	9.7	-	-
15	-	-	0.32*	0.12*	0.32*	15.*	-	16.*	-	-	2.5	24	4
16	-	-	1.14*	0.42*	1.13*	54.*	-	57.*	-	-	8.7	-	-
17	-	-	-	-	-	-	-	-	-	-	-		3
18	-	-	-	-	-	-	-	-	-	-	10.1	-	-
19	-	-	-	-	-	-	-	-	-	-	-		3
20	-	-	-	-	-	-	-	-	-	-	9.7	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-		1
42	-	-	-	-	-	-	-	70.*	-	-	16.2	-	-
43	-	-	-	-	-	-	-	-	-	-	-		1
44	-	-	-	-	-	-	-	-	-	-	3.0	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	3129.*	-	1.35*	0.85*	1.48*	61.*	-	73.*	74.*	-	5.0		1
47	3609.*	-	1.55*	0.98*	1.70*	70.*	-	84.*	85.*	-	5.8	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	767.*	-	0.33*	0.21*	0.36*	15.*	-	18.*	18.*	-	1.0		2
50	3636.*	-	1.55*	0.98*	1.71*	70.*	-	83.*	86.*	-	4.8	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	0.44*	0.22*	0.46*	20.*	-	21.*	-	-	2.5		3
53	-	-	1.28*	0.65*	1.34*	60.*	-	61.*	-	-	7.3	-	-
54	981.*	-	-	-	-	-	-	23.*	23.*	-	1.2		1
55	3714.*	-	-	-	-	-	-	87.*	88.*	-	4.4	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-		1
58	-	-	-	-	-	-	-	59.*	-	-	21.5	-	-
59	-	-	0.11*	0.05*	0.11*	5.*	-	5.	-	-	0.5		3
60	-	-	1.30*	0.68*	1.37*	61.*	-	65.	-	-	6.0	-	-
61	-	-	0.26*	0.14*	0.28*	12.*	-	12.*	-	-	3.4		1
62	-	-	1.35*	0.75*	1.44*	63.*	-	63.*	-	-	17.5	-	-
63	-	-	0.22*	0.13*	0.24*	10.*	-	10.*	-	-	2.2		2
64	-	-	1.39*	0.79*	1.49*	64.*	-	62.*	-	-	13.5	-	-
65	3139▲*	-	-	-	-	-	-	72▲*	74▲*	-	3.4	42	4
66	3677▲*	-	-	-	-	-	-	85▲*	87▲*	-	4.0	-	-
67	839.*	-	0.34*	0.20*	0.37*	16.*	-	20.*	20.*	-	1.7		1
68	3452.*	-	1.40*	0.82*	1.51*	65.*	-	81.*	82.*	-	6.9	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	1.07*	0.41*	1.07*	50▲*	43▲*	53▲*	-	-	7.8	11	8
71	-	-	1.15*	0.44*	1.14*	54▲*	46▲*	57▲*	-	-	8.3	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.6*	1.5*	1.6*	-	-	7.1		1	0.5	-	-	-
02	6.9*	6.5*	6.8*	-	-	31.0	-	-	2.3	-	-	-
03	1.3*	1.2*	1.2*	-	-	7.7		1	0.7	-	-	-
04	5.3*	4.9*	5.1*	-	-	32.1	-	-	3.1	-	-	-
05	1.2*	1.1*	1.2*	-	-	9.8		1	0.6	-	-	-
06	5.9*	5.6*	5.8*	-	-	49.0	-	-	3.1	-	-	-
07	0.8*	0.7*	0.7*	-	-	9.7		1	0.8	-	-	-
08	2.8*	2.5*	2.4*	-	-	35.9	-	-	3.1	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	4.1*	3.7*	3.8*	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-		2	-	-	-	-
12	2.5*	2.1*	2.0*	-	-	32.2	-	-	3.4	-	-	-
13	1.2*	1.1*	1.2*	-	-	6.1		1	0.4	0.11		1
14	6.1*	5.7*	6.0*	-	-	30.5	-	-	1.8	0.55	-	-
15	1.5*	1.4*	1.4*	-	-	9.7		3	0.6	-	-	-
16	5.3*	4.9*	5.1*	-	-	34.3	-	-	2.1	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	6.5*	6.1*	6.4*	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-		1
20	6.1*	5.8*	6.0*	-	-	-	-	-	-	0.43	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-		1	-	-		1
42	11.7*	11.3*	12.1*	-	-	15.4	-	-	7.6	2.31	-	-
43	-	-	-	-	-	-		1	-	-		1
44	0.5*	0.1*	-0.1*	-	-	54.0	-	-	2.1	0.83	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	1.1*	2.2*	2.2*	-	-	3.2		1	1.4	0.07		1
47	1.3*	2.5*	2.5*	-	-	3.7	-	-	1.6	0.08	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	0.1*	0.3*	0.3*	-	-	0.9		2	0.3	-	-	-
50	0.4*	1.6*	1.6*	-	-	4.4	-	-	1.4	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	1.4*	1.3*	1.3*	-	-	10.1		3	0.7	-	-	-
53	4.1*	3.7*	3.8*	-	-	29.7	-	-	2.2	-	-	-
54		0.3*	0.3*	-	-	0.5		1	0.4	-	-	-
55		1.3*	1.3*	-	-	1.8	-	-	1.5	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-		1	-	-	-	-
58	15.6*	15.8*	15.9*	-	-	17.9	-	-	13.1	-	-	-
59	0.2*	0.2*	0.3	-	-	2.0		3	0.1	0.19		1
60	3.0*	2.6*	3.3	-	-	24.5	-	-	1.5	2.35	-	-
61	2.4*	2.4*	2.6*	-	-	4.5		1	0.6	-	-	-
62	12.8*	12.4*	13.3*	-	-	23.5	-	-	3.4	-	-	-
63	1.5*	1.4*	1.5*	-	-	4.1		1	0.5	-	-	-
64	9.4*	9.0*	9.6*	-	-	25.5	-	-	3.0	-	-	-
65	-0.2*	0.7*	0.7*	-	-	2.8	82	5	1.2	-	-	-
66	-0.2*	0.9*	0.9*	-	-	3.3	-	-	1.4	-	-	-
67	0.6*	0.9*	0.9*	-	-	1.8		1	0.6	0.16		1
68	2.4*	3.6*	3.6*	-	-	7.3	-	-	2.4	0.64	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	3.9*	4.3*	4.7	-	-	30.5	4	8	2.3	0.54	24	7
71	4.1*	4.6*	5.0	-	-	32.7	-	-	2.5	0.58	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	0.47		1
74	-	-	-	-	-	-	-	-	-	0.52	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	0.02		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	0.11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	0.33	0.24	–	–	2.24	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	0.21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	0.06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	0.18		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	0.21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	0.01		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	0.09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	0.02		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	0.07	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	0.15	11	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	0.16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	0.35	0.07		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	0.39	0.08	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
79	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	OAT MILL BY-PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
02	-SEE AVENA SATIVA, GROATS BY-PRODUCT,		-	-	-	-	-	-	-	-
03	MX 22% FIBER, (1)		-	-	-	-	-	-	-	-
04	OATS, GRAIN, HEAVY		-	-	-	-	-	-	-	-
05	-SEE AVENA SATIVA, GRAIN, GR 2 HEAVY		-	-	-	-	-	-	-	-
06	US MN WT 36 LB PER BUSHEL MX 3%		-	-	-	-	-	-	-	-
07	FOREIGN MATERIAL, (4)		-	-	-	-	-	-	-	-
08	OATS, GRAIN, LIGHT		-	-	-	-	-	-	-	-
09	-SEE AVENA SATIVA, GRAIN, GR 4 US MN		-	-	-	-	-	-	-	-
10	WT 27 LB PER BUSHEL MX 5% FOREIGN		-	-	-	-	-	-	-	-
11	MATERIAL, (4)		-	-	-	-	-	-	-	-
12	ONCORHYNCHUS SPP, SALMO SPP. FISH, SALMON		-	-	-	-	-	-	-	-
13	-SALMO SPP SALMON, WHOLE, RAW, (5)	5-02-011	32.1	-	-	-	-	-	-	-
14			100.0	-	-	-	-	-	-	-
15	OPUNTIA SPP. CACTUS, PRICKLYPEAR		-	-	-	-	-	-	-	-
16	-AERIAL PART, FRESH, (2)	2-01-061	16.8	-	-	0.47*	-	-	-	0.39*
17			100.0	-	-	2.82*	-	-	-	2.31*
18	ORANGE PULP, DRIED		-	-	-	-	-	-	-	-
19	-SEE CITRUS SINENSIS ORANGE, PULP WO		-	-	-	-	-	-	-	-
20	FINES, SHREDDED DEHY, (4)		-	-	-	-	-	-	-	-
21	ORYZA SATIVA. RICE		-	-	-	-	-	-	-	-
22	-BRAN, (1)	1-09-465	88.9	-	1.62*	2.33*	-	-	1.33*	1.91*
23			100.0	-	1.82*	2.62*	-	-	1.50*	2.15*
24	-HULLS, (1)	1-08-075	89.9	1.68*	1.81*	0.59*	-	1.38*	1.48*	0.48*
25	RICE HULLS (AAFCO)		100.0	1.87*	2.01*	0.65*	-	1.54*	1.65*	0.54*
26	-STRAW, (1)	1-03-925	88.8	1.80*	1.59*	1.59*	-	1.47*	1.31*	1.31*
27			100.0	2.03*	1.79*	1.80*	-	1.66*	1.47*	1.47*
28	-STRAW, GRND, (1)	1-09-712	79.2	1.55*	1.58*	1.52*	-	1.27*	1.30*	1.25*
29			100.0	1.96*	2.00*	1.92*	-	1.60*	1.64*	1.57*
30	-BRAN W GERM, DRY MILLED, (4)	4-03-929	89.4	3.65*	-	3.69*	3446.*	3.00*	-	3.03*
31			100.0	4.09*	-	4.12*	3852.*	3.35*	-	3.38*
32	-BRAN W GERM, DRY MILLED, MX 13%	4-03-928	91.6	3.59*	-	3.24*	3483.*	2.94*	-	2.66*
33	FIBER CACO3 DECLARED ABOVE 3% MN, (4)		100.0	3.92*	-	3.54*	3803.*	3.22*	-	2.90*
34	RICE BRAN (AAFCO)		-	-	-	-	-	-	-	-
35	-BRAN W GERM, SOLV-EXTD, MN 14%	4-03-930	89.1	2.20*	-	2.00*	2586.*	1.81*	-	2.29*
36	PROTEIN MX 14% FIBER, (4)		100.0	2.47*	-	3.14*	2901.*	2.03*	-	2.57*
37	SOLVENT EXTRACTED RICE BRAN (AAFCO)		-	-	-	-	-	-	-	-
38	-GRAIN, (4)	4-10-395	-	-	-	-	-	-	-	-
39			100.0	4.41*	-	4.21*	4125.*	3.62*	-	3.46*
40	-GRAIN W HULLS, (4)	4-03-939	86.5	2.60*	-	3.05*	3048.*	2.13*	-	2.50*
41			100.0	3.00*	-	3.53*	3524.*	2.46*	-	2.89*
42	-GRAIN W HULLS, GRND, (4)	4-03-938	87.1	2.61*	-	2.87*	2942.*	2.14*	-	2.36*
43	GROUND ROUGH RICE (AAFCO)		100.0	2.99*	-	3.30*	3376.*	2.45*	-	2.70*
44	GROUND PADDY RICE (AAFCO)		-	-	-	-	-	-	-	-
45	-GROATS, (4)	4-03-936	88.1	3.50*	-	3.38*	3422.*	2.87*	-	2.77*
46			100.0	3.97*	-	3.84*	3883.*	3.26*	-	3.15*
47	-GROATS, GRND, (4)	4-03-935	87.3	2.95*	-	3.03*	3154.*	2.42*	-	2.48*
48	GROUND BROWN RICE (AAFCO)		100.0	3.38*	-	3.47*	3611.*	2.77*	-	2.84*
49	-GROATS, POLISHED, (4)	4-03-942	86.8	-	-	3.49*	3639.*	-	-	2.86*
50			100.0	-	-	4.02*	4204.*	-	-	3.30*
51	-GROATS, POLISHED AND BROKEN, (4)	4-03-932	88.3	3.26*	-	3.43*	3392.*	2.68*	-	2.82*
52	CHIPPED RICE (AAFCO)		100.0	3.69*	-	3.89*	3839.*	3.03*	-	3.19*
53	BROKEN RICE (AAFCO)		-	-	-	-	-	-	-	-
54	BREWERS RICE (AAFCO)		-	-	-	-	-	-	-	-
55	-POLISHED RICE BY-PRODUCT, DEHY,	4-03-941	91.2	-	-	3.86*	-	-	-	3.16*
56	MX 32% FIBER, (4)		100.0	-	-	4.23*	-	-	-	3.47*
57	RICE MILL BY-PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
58	-POLISHINGS, DEHY, (4)	4-03-943	90.6	3.51*	-	3.72*	3889.*	2.87*	-	3.05*
59	RICE POLISHINGS (AAFCO)		100.0	3.87*	-	4.10*	4290.*	3.17*	-	3.36*
60	-GERM, (5)	5-09-905	-	-	-	-	-	-	-	-
61			100.0	-	-	-	-	-	-	-
62	OYSTER SHELL FLOUR (AAFCO)		-	-	-	-	-	-	-	-
63	-SEE CRASSOSTREA SPP, OSTREA SPP,		-	-	-	-	-	-	-	-
64	SHELLS, FINE GRND, MN 33% CA, (6)		-	-	-	-	-	-	-	-
65	PADDY RICE		-	-	-	-	-	-	-	-
66	-SEE ORYZA SATIVA, GRAIN W HULLS, (4)		-	-	-	-	-	-	-	-
67	PANICUM ALTISSIMUM		-	-	-	-	-	-	-	-
68	-AERIAL PART, FRESH, (2)	2-11-046	31.0	-	-	-	-	-	-	-
69			100.0	-	-	-	-	-	-	-
70	-AERIAL PART, FRESH, CUT 1, (2)	2-11-047	16.8	0.49*	-	0.47*	-	0.40*	-	0.38*
71			100.0	2.90*	-	2.78*	-	2.38*	-	2.28*
72	-AERIAL PART, FRESH, CUT 2, (2)	2-11-048	23.0	0.45*	-	0.58*	-	0.37*	-	0.47*
73			100.0	1.98*	-	2.50*	-	1.62*	-	2.05*
74	-AERIAL PART, FRESH, CUT 3, (2)	2-11-049	24.9	0.60*	-	0.67*	-	0.49*	-	0.55*
75			100.0	2.39*	-	2.70*	-	1.96*	-	2.21*
76	-AERIAL PART, FRESH, CUT 4, (2)	2-11-050	21.1	0.47*	-	0.55*	-	0.38*	-	0.45*
77			100.0	2.20*	-	2.61*	-	1.80*	-	2.14*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	21.2		3
14	-	-	-	-	-	-	-	-	-	-	66.2	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	11.*	-	-	0.9		1
17	-	-	-	-	-	-	-	64.*	-	-	5.2	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	40.*	53.*	-	-	9.4	40	26
23	-	-	-	-	-	-	45.*	59.*	-	-	10.6	-	-
24	-	-	0.84*	0.04*	0.67*	38.*	45.*	13.*	-	-	4.7	78	10
25	-	-	0.93*	0.05*	0.75*	42.*	50.*	15.*	-	-	5.2	-	-
26	-	-	0.88*	0.09*	0.77*	41.	39.*	36.	-	-	4.8	31	29
27	-	-	0.59*	0.10*	0.87*	46.	44.*	41.	-	-	5.4	-	-
28	-	-	0.76*	0.02*	0.64*	35.*	40.*	34.*	-	-	6.0		1
29	-	-	0.96*	0.03*	0.81*	44.*	50.*	43.*	-	-	7.6	-	-
30	3308.*	-	2.10*	1.35*	2.21*	83.*	-	84.*	78.*	-	14.4	12	17
31	3698.*	-	2.34*	1.51*	2.48*	93.*	-	94.*	87.*	-	16.1	-	-
32	3344.*	-	2.01*	1.31*	2.15*	81.*	-	74.*	79.*	-	15.2		1
33	3650.*	-	2.19*	1.44*	2.35*	89.*	-	80.*	86.*	-	16.6	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	2483.*	-	1.06*	0.46*	1.08*	50.*	-	63.*	59.*	-	18.1	3	14
36	2785.*	-	1.19*	0.52*	1.21*	56.*	-	71.*	66.*	-	20.3	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	12	7
39	3960.*	-	2.69*	1.64*	2.73*	100.*	-	96.*	94.*	-	14.0	-	-
40	2926.*	-	1.29*	0.79*	1.41*	59.*	-	69.*	69.*	-	8.5		2
41	3383.*	-	1.49*	0.92*	1.63*	68.*	-	80.*	80.*	-	9.8	-	-
42	2824.*	-	1.29*	0.79*	1.41*	59.*	-	65.*	67.*	-	10.8		2
43	3241.*	-	1.48*	0.91*	1.62*	68.*	-	75.*	77.*	-	12.4	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	3285.*	-	1.97*	1.29*	2.10*	79.*	-	77.*	78.*	-	12.6	23	21
46	3727.*	-	2.23*	1.46*	2.39*	90.*	-	87.*	88.*	-	14.3	-	-
47	3027.*	-	1.53*	1.01*	1.68*	67.*	-	69.*	72.*	-	14.2	10	18
48	3466.*	-	1.75*	1.16*	1.93*	77.*	-	79.*	82.*	-	16.3	-	-
49	3503.*	-	-	-	-	-	-	79.*	83.*	-	12.5		2
50	4036.*	-	-	-	-	-	-	91.*	95.*	-	14.4	-	-
51	3256.*	-	1.76*	1.17*	1.92*	74.*	-	78.*	77.*	-	8.6		2
52	3686.*	-	1.99*	1.33*	2.17*	84.*	-	88.*	87.*	-	9.8	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	87.*	-	-	23.5		1
56	-	-	-	-	-	-	-	96.*	-	-	25.8	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	3081▲*	-	1.94*	1.28*	2.09*	79▲	-	84▲	88▲	-	13.1	10	10
59	3399▲*	-	2.14*	1.41*	2.30*	88▲	-	93▲	97▲	-	14.5	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	1.7		2
69	-	-	-	-	-	-	-	-	-	-	5.6	-	-
70	-	-	0.24*	0.14*	0.26*	11.*	-	11.*	-	-	2.5	10	4
71	-	-	1.43*	0.85*	1.55*	66.*	-	63.*	-	-	15.1	-	-
72	-	-	0.22*	0.01*	0.19*	10.*	-	13.*	-	-	2.3	10	4
73	-	-	0.97*	0.05*	0.83*	45.*	-	57.*	-	-	9.8	-	-
74	-	-	0.29*	0.11*	0.29*	14.*	-	15.*	-	-	3.8	9	4
75	-	-	1.15*	0.44*	1.15*	54.*	-	61.*	-	-	15.1	-	-
76	-	-	0.23*	0.06*	0.21*	11.*	-	13.*	-	-	2.6	18	4
77	-	-	1.07*	0.27*	1.00*	50.*	-	59.*	-	-	12.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	10.2	0.13		2
14	-	-	-	-	-	-	-	-	31.9	0.41	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	0.4*	0.3*	0.4	-	-	1.2		1	0.5	0.57		1
17	2.3*	1.9*	2.3	-	-	7.3	-	-	3.0	3.41	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	5.4*	5.8*	5.4*	-	-	15.4	47	67	7.3	0.29		2
23	6.1*	6.5*	6.0*	-	-	17.3	-	-	8.2	0.33	-	-
24	1.3*	1.7*	0.2	-	-	34.3	36	9	3.0	-	-	-
25	1.4*	1.9*	0.2	-	-	38.2	-	-	3.3	-	-	-
26	0.3	1.9*	1.4	-	-	31.3	11	14	1.9	0.15		1
27	0.3	2.1*	1.6	-	-	35.3	-	-	2.1	0.17	-	-
28	2.8*	3.1*	2.7*	-	-	21.2		1	1.9	-	-	-
29	3.5*	4.0*	3.4*	-	-	26.8	-	-	2.4	-	-	-
30	9.7*	10.7*	10.7*	-	-	9.5	29	21	14.6	-	-	-
31	10.8*	12.0*	12.0*	-	-	10.6	-	-	16.3	-	-	-
32	10.3*	11.4*	10.3	-	-	10.7		1	15.7	0.07		2
33	11.3*	12.4*	11.3	-	-	11.7	-	-	17.1	0.08	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	13.1*	14.1*	14.1*	-	-	9.6	13	14	2.9	-	-	-
36	14.6*	15.8*	15.8*	-	-	10.8	-	-	3.3	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	34	7	-	-	-	-
39	8.8*	10.0*	10.0*	-	-	4.8	-	-	16.0	-	-	-
40	4.3*	5.4*	6.4	-	-	8.4		2	1.3	-	-	-
41	5.0*	6.2*	7.4	-	-	9.7	-	-	1.5	-	-	-
42	6.5*	7.5*	7.5*	-	-	8.2		2	6.0	0.05		1
43	7.4*	8.6*	8.6*	-	-	9.4	-	-	6.8	0.06	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	8.0*	9.1*	9.1*	-	-	5.7	61	21	11.8	-	-	-
46	9.1*	10.3*	10.3*	-	-	6.4	-	-	13.4	-	-	-
47	9.6*	10.6*	10.6*	-	-	6.3	37	18	7.7	-	-	-
48	11.0*	12.2*	12.2*	-	-	7.2	-	-	8.8	-	-	-
49	8.0*	9.0*	9.0*	-	-	8.1		2	16.9	0.02		1
50	9.2*	10.4*	10.4*	-	-	9.3	-	-	19.5	0.02	-	-
51	4.4*	5.5*	5.5*	-	-	1.4		2	2.1	-	-	-
52	5.0*	6.2*	6.2*	-	-	1.6	-	-	2.4	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	17.9*	19.0*	19.0*	-	-	7.4		1	11.8	-	-	-
56	19.7*	20.8*	20.8*	-	-	8.1	-	-	12.9	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	8.7	9.5*	10.1	10.9	-	4.9	50	10	13.7	0.05		3
59	9.5	10.5*	11.1	12.0	-	5.4	-	-	15.1	0.06	-	-
60	-	-	-	-	-	-		1	-	-	-	-
61	-	-	-	-	-	15.9	-	-	5.9	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	0.8*	0.7*	0.7*	-	-	13.6		2	0.7	0.08		2
69	2.6*	2.3*	2.2*	-	-	43.9	-	-	2.4	0.27	-	-
70	1.8*	1.7*	1.9*	-	-	4.7	8	4	0.9	0.08	11	4
71	10.7*	10.4*	11.1*	-	-	27.9	-	-	5.1	0.46	-	-
72	1.4*	1.3*	1.4*	-	-	9.1	3	4	0.8	0.09	16	4
73	6.2*	5.9*	6.1*	-	-	39.5	-	-	3.3	0.37	-	-
74	2.7*	2.6*	2.8*	-	-	8.4	3	4	1.0	0.12	5	4
75	10.7*	10.4*	11.1*	-	-	33.7	-	-	3.9	0.48	-	-
76	1.8*	1.7*	1.8*	-	-	7.9		4	0.8	0.08	21	4
77	8.4*	8.1*	8.6*	-	-	37.3	-	-	3.6	0.40	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	0.23		3	0.42	-	-	-	61.7	-	-	1.0	-	-	-	-	-	-
14	-	0.71	-	-	1.31	-	-	-	192.3	-	-	3.1	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.01		1	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.08	-	-	2.53	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	1.55		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	1.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	0.96	1.61		2	1.76	0.18	-	-	306.8	23.8	-	2.7	-	-	0.10	0.56	0.24	0.15
33	1.05	1.75	-	-	1.92	0.20	-	-	335.0	26.0	-	2.9	-	-	0.11	0.61	0.26	0.16
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	0.10	0.39		1	0.22	0.05	-	-	48.5	-	-	-	-	-	-	-	-	-
43	0.11	0.45	-	-	0.25	0.06	-	-	55.6	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	0.02	0.04		1	0.09	0.08	1.6	402a	12.1	2.7	-	0.4	-	-	0.09	0.28	0.24	0.09
50	0.02	0.05	-	-	0.10	0.09	1.8	463a	13.9	3.1	-	0.5	-	-	0.11	0.32	0.28	0.10
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	0.66	1.25		3	1.02	0.17	-	1321a	452.9	58.9	-	1.8	-	-	0.10	0.55	0.21	0.13
59	0.72	1.37	-	-	1.13	0.19	-	1457a	499.6	65.0	-	2.0	-	-	0.11	0.61	0.23	0.14
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	0.07	19	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.09	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	0.09	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	0.08	14	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, CUT 5, (2)	2-11-051	26.6	0.66*	-	0.69*	-	0.54*	-	0.57*
			100.0	2.49*	-	2.59*	-	2.04*	-	2.12*
02			-	-	-	-	-	-	-	-
03	PANICUM MAXIMUM. GUINEAGRASS	1-02-336	95.9	2.02*	1.77*	2.07*	-	1.65*	1.45*	1.70*
04	-HAY, S-C, (1)		100.0	2.10*	1.85*	2.16*	-	1.72*	1.52*	1.77*
05		2-02-345	27.4	0.72	-	0.64*	-	0.59*	-	0.52*
06	-AERIAL PART, FRESH, (2)		100.0	2.64	-	2.33*	-	2.16*	-	1.91*
07		2-10-344	-	-	-	-	-	-	-	-
08	-AERIAL PART, FRESH, 18 TO 24 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
09		2-09-995	20.9	0.55	-	-	-	0.45*	-	-
10	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)		100.0	2.61	-	-	-	2.14*	-	-
11		2-09-600	22.2	-	-	-	-	-	-	-
12	-AERIAL PART, FRESH, 25 TO 31		100.0	-	-	-	-	-	-	-
13	DAYS' GROWTH, CUT 5, (2)	2-09-714	22.2	0.49*	-	0.56*	-	0.40*	-	0.46*
14	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)		100.0	2.21*	-	2.52*	-	1.82*	-	2.06*
15		2-09-910	-	-	-	-	-	-	-	-
16	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)		100.0	1.91	-	-	-	1.56*	-	-
17		2-10-563	-	-	-	-	-	-	-	-
18	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
19		2-10-094	-	-	-	-	-	-	-	-
20	-AERIAL PART, FRESH, 81 TO 87 DAYS' GROWTH, (2)		100.0	2.18	-	-	-	1.79*	-	-
21		2-02-338	22.4	0.55*	-	0.57*	-	0.45*	-	0.47*
22	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)		100.0	2.47*	-	2.55*	-	2.03*	-	2.09*
23		2-02-339	22.8	0.55*	-	0.51*	-	0.45*	-	0.42*
24	-AERIAL PART, FRESH, EARLY BLOOM, (2)		100.0	2.40*	-	2.23*	-	1.97*	-	1.83*
25		2-09-409	24.2	0.58*	-	0.59*	-	0.48*	-	0.49*
26	-AERIAL PART, FRESH, MIDBLOOM, (2)		100.0	2.41*	-	2.45*	-	1.98*	-	2.01*
27		2-10-342	-	-	-	-	-	-	-	-
28	-AERIAL PART, FRESH, LATE BLOOM, (2)		100.0	-	-	-	-	-	-	-
29		2-02-342	26.2	-	-	0.68*	-	-	-	0.56*
30	-AERIAL PART, FRESH, RIPE SEED, (2)		100.0	-	-	2.58*	-	-	-	2.12*
31		2-10-305	23.8	0.50*	-	0.60*	-	0.41*	-	0.49*
32	-AERIAL PART, FRESH		100.0	2.08*	-	2.52*	-	1.71*	-	2.07*
33	FERTILIZED, 39 TO 45 DAYS' GROWTH, (2)	2-10-306	17.8	0.45*	-	0.44*	-	0.37*	-	0.36*
34	-AERIAL PART, FRESH		100.0	2.53*	-	2.47*	-	2.07*	-	2.03*
35	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
36	1, (2)	2-10-307	21.0	0.49*	-	0.51*	-	0.41*	-	0.42*
37	-AERIAL PART, FRESH		100.0	2.35*	-	2.45*	-	1.93*	-	2.01*
38	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
39	2, (2)	2-10-308	20.4	0.50*	-	0.52*	-	0.41*	-	0.43*
40	-AERIAL PART, FRESH		100.0	2.46*	-	2.56*	-	2.02*	-	2.10*
41	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
42	3, (2)	2-10-309	23.7	0.57*	-	0.60*	-	0.47*	-	0.49*
43	-AERIAL PART, FRESH		100.0	2.42*	-	2.54*	-	1.98*	-	2.08*
44	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
45	4, (2)	2-10-310	19.8	0.48*	-	0.50*	-	0.39*	-	0.41*
46	-AERIAL PART, FRESH		100.0	2.41*	-	2.55*	-	1.98*	-	2.09*
47	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
48	5, (2)	2-10-311	18.7	0.42*	-	0.46*	-	0.34*	-	0.38*
49	-AERIAL PART, FRESH		100.0	2.25*	-	2.49*	-	1.84*	-	2.04*
50	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
51	6, (2)	2-10-312	18.6	0.45*	-	0.47*	-	0.37*	-	0.39*
52	-AERIAL PART, FRESH		100.0	2.44*	-	2.53*	-	2.00*	-	2.08*
53	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
54	7, (2)	2-10-320	23.2	0.48*	-	0.58*	-	0.39*	-	0.48*
55	-AERIAL PART, FRESH		100.0	2.06*	-	2.50*	-	1.69*	-	2.05*
56	FERTILIZED, 53 TO 59 DAYS' GROWTH, (2)	2-10-322	24.1	0.61*	-	0.58*	-	0.50*	-	0.48*
57	-AERIAL PART, FRESH		100.0	2.52*	-	2.41*	-	2.07*	-	1.97*
58	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
59	1, (2)	2-10-323	19.3	0.49*	-	0.47*	-	0.40*	-	0.38*
60	-AERIAL PART, FRESH		100.0	2.52*	-	2.42*	-	2.06*	-	1.98*
61	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
62	2, (2)	2-10-324	22.5	0.53*	-	0.57*	-	0.44*	-	0.47*
63	-AERIAL PART, FRESH		100.0	2.38*	-	2.53*	-	1.95*	-	2.07*
64	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
65	3, (2)	2-10-325	21.1	-	-	0.40*	-	-	-	0.33*
66	-AERIAL PART, FRESH		100.0	-	-	1.90*	-	-	-	1.56*
67	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
68	4, (2)	2-10-326	21.6	0.48*	-	0.53*	-	0.39*	-	0.44*
69	-AERIAL PART, FRESH		100.0	2.23*	-	2.47*	-	1.83*	-	2.02*
70	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
71	5, (2)	2-10-564	-	-	-	-	-	-	-	-
72	-AERIAL PART, FRESH		100.0	-	-	-	-	-	-	-
73	FERTILIZED, 60 TO 66 DAYS' GROWTH, (2)	2-10-333	26.1	0.43*	-	0.63*	-	0.36*	-	0.52*
74	-AERIAL PART, FRESH		100.0	1.67*	-	2.41*	-	1.37*	-	1.97*
75	FERTILIZED, 67 TO 73 DAYS' GROWTH, (2)	2-10-334	27.5	0.65*	-	0.66*	-	0.53*	-	0.54*
76	-AERIAL PART, FRESH		100.0	2.35*	-	2.41*	-	1.93*	-	1.98*
77	FERTILIZED, 67 TO 73 DAYS' GROWTH, CUT		-	-	-	-	-	-	-	-
78	1, (2)									

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.32*	0.14*	0.33*	15.*	-	16.*	-	-	2.5		3
02	-	-	1.20*	0.53*	1.23*	57.*	-	59.*	-	-	9.2	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.98*	0.17*	0.89*	46.*	44.*	47.*	-	-	10.2		2
05	-	-	1.02*	0.18*	0.93*	48.*	46.*	49.*	-	-	10.7	-	-
06	-	-	0.35*	0.18*	0.37*	16.	-	14.	-	-	3.2	25	29
07	-	-	1.28*	0.65*	1.35*	57.	-	53.	-	-	11.6	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.2[illegible]	0.1[illegible]*	0.28*	-	-	-	-	-	2.3		3
11	-	-	1.27*	0.63*	1.32*	-	-	-	-	-	11.2	-	-
12	-	-	-	-	-	-	-	-	-	-	2.9		1
13	-	-	-	-	-	-	-	-	-	-	13.1	-	-
14	-	-	0.24*	0.06*	0.22*	11.*	-	13.*	-	-	1.8		3
15	-	-	1.07*	0.29*	1.01*	50.*	-	57.*	-	-	8.3	-	-
16	-	-	-	-	-	-	-	-	-	-	-		2
17	-	-	0.94*	0.01*	0.77*	-	-	-	-	-	9.2	-	-
18	-	-	-	-	-	-	-	-	-	-	-		1
19	-	-	-	-	-	-	-	-	-	-	7.7	-	-
20	-	-	-	-	-	-	-	-	-	-	-		2
21	-	-	1.06*	0.25*	0.99*	-	-	-	-	-	8.9	-	-
22	-	-	0.27*	0.12*	0.27*	13.*	-	13.	-	-	2.4	16	8
23	-	-	1.20*	0.52*	1.22*	56.*	-	58.	-	-	10.9	-	-
24	-	-	0.26*	0.10*	0.26*	12.*	-	12.*	-	-	1.7		2
25	-	-	1.16*	0.45*	1.16*	54.*	-	51.*	-	-	7.6	-	-
26	-	-	0.28*	0.11*	0.28*	13.*	-	13.*	-	-	2.5	7	6
27	-	-	1.16*	0.46*	1.17*	55.*	-	56.*	-	-	10.2	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	15.*	-	-	3.0	21	13
31	-	-	-	-	-	-	-	59.*	-	-	11.6	-	-
32	-	-	0.24*	0.04*	0.22*	11.	-	14.*	-	-	2.5	13	4
33	-	-	1.01*	0.16*	0.91*	47.	-	57.*	-	-	10.3	-	-
34	-	-	0.22*	0.10*	0.22*	10.*	-	10.*	-	-	1.5		1
35	-	-	1.22*	0.56*	1.26*	57.*	-	56.*	-	-	8.7	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	0.24*	0.09*	0.24*	11.*	-	12.*	-	-	1.9		1
38	-	-	1.14*	0.42*	1.12*	53.*	-	55.*	-	-	8.9	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	0.24*	0.10*	0.25*	11.*	-	12.*	-	-	2.0		1
41	-	-	1.19*	0.51*	1.21*	56.*	-	58.*	-	-	9.9	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	0.28*	0.11*	0.28*	13.*	-	14.*	-	-	2.1		1
44	-	-	1.17*	0.47*	1.17*	55.*	-	58.*	-	-	8.8	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	0.23*	0.09*	0.23*	11.*	-	11.*	-	-	2.4		1
47	-	-	1.16*	0.46*	1.17*	55.*	-	58.*	-	-	12.0	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	0.20*	0.06*	0.19*	10.*	-	11.*	-	-	1.5		1
50	-	-	1.09*	0.32*	1.04*	51.*	-	56.*	-	-	8.1	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	0.22*	0.09*	0.22*	10.*	-	11.*	-	-	2.1		1
53	-	-	1.18*	0.49*	1.19*	55.*	-	57.*	-	-	11.5	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	0.23*	0.03*	0.21*	11.	-	13.*	-	-	1.6		1
56	-	-	1.01*	0.14*	0.90*	47.	-	57.*	-	-	7.1	-	-
57	-	-	0.29*	0.13*	0.30*	14.*	-	13.*	-	-	2.0		1
58	-	-	1.22*	0.56*	1.25*	57.*	-	55.*	-	-	8.3	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.24*	0.11*	0.24*	11.*	-	11.*	-	-	1.6		1
61	-	-	1.22*	0.56*	1.25*	57.*	-	55.*	-	-	8.2	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	0.26*	0.10*	0.26*	12.*	-	13.*	-	-	1.6		1
64	-	-	1.15*	0.44*	1.14*	54.*	-	57.*	-	-	7.2	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	9.*	-	-	1.7		1
67	-	-	-	-	-	-	-	43.*	-	-	7.9	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	0.23*	0.06*	0.22*	11.*	-	12.*	-	-	1.7		1
70	-	-	1.08*	0.30*	1.03*	51.*	-	56.*	-	-	7.9	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-		3
73	-	-	-	-	-	-	-	-	-	-	8.5	-	-
74	-	-	0.22*	0.07*	0.15*	10.	-	14.*	-	-	1.6		1
75	-	-	0.85*	0.28*	0.59*	38.	-	55.*	-	-	6.2	-	-
76	-	-	0.31*	0.11*	0.31*	15.*	-	15.*	-	-	1.7		1
77	-	-	1.13*	0.41*	1.12*	53.*	-	55.*	-	-	6.3	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.5*	1.4*	1.5*	-	-	8.7		3	0.9	0.08		3
02	5.7*	5.4*	5.6*	-	-	32.8	-	-	3.3	0.32	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	5.9*	6.3*	5.9*	-	-	33.9		2	1.4	-	-	-
05	6.2*	6.6*	6.2*	-	-	35.3	-	-	1.5	-	-	-
06	2.1	2.0*	1.8	-	-	8.0	13	45	1.0	0.14	68	16
07	7.5	7.4*	6.5	-	-	29.3	-	-	3.5	0.50	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	67.8	-	-	-	-	-	-	-
10	1.5	1.5*	1.6*	-	12.9	5.9		1	0.9	-	-	-
11	7.2	7.0*	7.4*	-	61.7	28.0	-	-	4.4	-	-	-
12	2.0*	1.9*	2.0*	-	-	-	-	-	-	-	-	-
13	9.0*	8.7*	9.2*	-	-	-	-	-	-	-	-	-
14	1.1*	1.0*	1.0*	-	14.3	8.0		2	0.7	-	-	-
15	4.9*	4.6*	4.7*	-	64.3	36.1	-	-	3.0	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	4.0	5.3*	5.6*	-	68.2	-	-	-	3.2	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	4.4*	4.1*	4.2*	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	5.0	5.1*	5.3*	-	71.2	-	-	-	3.0	-	-	-
22	1.6*	1.5*	1.3	-	15.5	8.0	9	8	0.4	0.07	29	7
23	7.2*	6.8*	5.7	-	69.2	35.8	-	-	1.7	0.31	-	-
24	1.0*	0.9*	0.9	-	16.7	9.1		2	0.3	-	-	-
25	4.5*	4.0*	3.7	-	73.1	40.0	-	-	1.2	-	-	-
26	1.6*	1.5*	1.6*	-	-	8.4	14	4	0.4	0.06		3
27	6.6*	6.2*	6.5*	-	-	34.9	-	-	1.8	0.24	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	72.4	-	-	-	-	-	-	-
30	2.0*	1.9*	2.0*	-	-	11.0	12	13	1.0	0.16	36	12
31	7.7*	7.4*	7.8*	-	-	42.0	-	-	3.7	0.62	-	-
32	2.0	1.5*	1.6*	-	-	7.2		1	0.6	-	-	-
33	8.5	6.3*	6.6*	-	-	30.2	-	-	2.6	-	-	-
34	0.9*	0.9*	0.9*	-	-	5.7		1	0.2	0.11		1
35	5.3*	4.9*	5.1*	-	-	32.3	-	-	1.2	0.62	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	1.1*	1.1*	1.1*	-	-	7.1		1	0.4	0.12		1
38	5.5*	5.1*	5.3*	-	-	33.6	-	-	1.9	0.59	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	1.3*	1.2*	1.3*	-	-	5.9		1	0.6	0.15		1
41	6.3*	5.9*	6.2*	-	-	28.7	-	-	2.8	0.73	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	1.3*	1.2*	1.2*	-	-	7.3		1	0.6	0.19		1
44	5.4*	5.0*	5.2*	-	-	30.6	-	-	2.5	0.79	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	1.6*	1.5*	1.6*	-	-	6.3		1	0.5	0.13		1
47	8.1*	7.7*	8.2*	-	-	31.6	-	-	2.5	0.64	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	0.9*	0.8*	0.8*	-	-	6.2		1	0.6	-	-	-
50	4.8*	4.4*	4.5*	-	-	32.9	-	-	3.0	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	1.4*	1.4*	1.4*	-	-	5.9		1	0.4	-	-	-
53	7.7*	7.3*	7.7*	-	-	31.7	-	-	2.2	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	0.9	0.8*	0.8*	-	-	7.3		1	0.5	-	-	-
56	3.8	3.6*	3.6*	-	-	31.4	-	-	2.2	-	-	-
57	1.2*	1.1*	1.1*	-	-	8.4		1	0.3	0.10		1
58	4.9*	4.6*	4.7*	-	-	34.7	-	-	1.1	0.42	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	0.9*	0.9*	0.9*	-	-	6.6		1	0.2	0.10		1
61	4.9*	4.5*	4.6*	-	-	34.0	-	-	1.1	0.54	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	0.9*	0.8*	0.8*	-	-	7.1		1	0.5	0.12		1
64	4.0*	3.6*	3.7*	-	-	31.7	-	-	2.4	0.55	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	1.0*	0.9*	0.9*	-	-	7.1		1	2.2	0.11		1
67	4.6*	4.2*	4.4*	-	-	33.7	-	-	10.4	0.52	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	1.0*	0.9*	0.9*	-	-	7.5		1	0.5	0.12		1
70	4.6*	4.2*	4.4*	-	-	34.9	-	-	2.4	0.57	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-		1
73	5.1*	4.7*	4.9*	-	-	-	-	-	-	0.65	-	-
74	0.4	0.7*	0.7*	-	-	9.4		1	0.5	-	-	-
75	1.5	2.8*	2.8*	-	-	35.9	-	-	2.0	-	-	-
76	0.9*	0.8*	0.8*	-	-	9.0		1	0.4	-	-	-
77	3.2*	2.9*	2.9*	-	-	32.8	-	-	1.6	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	0.07		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	0.07	0.08	99	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	0.27	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.06	30	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.04		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.18	27	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	0.43	0.19	-	-	2.36	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH	2-10-335	24.2	0.50*	-	0.60*	-	0.46*	-	0.49*
02	FERTILIZED, 67 TO 73 DAYS' GROWTH, CUT		100.0	2.31*	-	2.48*	-	1.90*	-	2.04*
03	2, (2)		-	-	-	-	-	-	-	-
04	-AERIAL PART, FRESH	2-10-336	22.1	0.52*	-	0.54*	-	0.42*	-	0.44*
05	FERTILIZED, 67 TO 73 DAYS' GROWTH, CUT		100.0	2.33*	-	2.45*	-	1.91*	-	2.01*
06	3, (2)		-	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH	2-10-337	22.0	0.45*	-	0.53*	-	0.37*	-	0.44*
08	FERTILIZED, 67 TO 73 DAYS' GROWTH, CUT		100.0	2.03*	-	2.43*	-	1.67*	-	1.99*
09	4, (2)		-	-	-	-	-	-	-	-
10	-AERIAL PART, FRESH FERTILIZED, CUT 2, (2)	2-10-086	-	-	-	-	-	-	-	-
11			100.0	-	-	-	-	-	-	-
12	-AERIAL PART, FRESH FERTILIZED, CUT 3, (2)	2-10-087	-	-	-	-	-	-	-	-
13			100.0	-	-	-	-	-	-	-
14	-LEAVES, FRESH, (2)	2-09-596	-	-	-	-	-	-	-	-
15			100.0	2.25*	-	2.45*	-	1.84*	-	2.01*
16	-LEAVES, FRESH FERTILIZED, 39	2-10-313	20.6	0.51*	-	0.54*	-	0.42*	-	0.45*
17	TO 45 DAYS' GROWTH, CUT 1, (2)		100.0	2.49*	-	2.64*	-	2.04*	-	2.17*
18	-LEAVES, FRESH FERTILIZED, 39	2-10-314	19.6	0.49*	-	0.52*	-	0.40*	-	0.43*
19	TO 45 DAYS' GROWTH, CUT 2, (2)		100.0	2.50*	-	2.65*	-	2.05*	-	2.18*
20	-LEAVES, FRESH FERTILIZED, 39	2-10-315	21.4	0.52*	-	0.55*	-	0.43*	-	0.45*
21	TO 45 DAYS' GROWTH, CUT 3, (2)		100.0	2.44*	-	2.56*	-	2.00*	-	2.10*
22	-LEAVES, FRESH FERTILIZED, 39	2-10-316	23.4	0.60*	-	0.61*	-	0.49*	-	0.50*
23	TO 45 DAYS' GROWTH, CUT 4, (2)		100.0	2.58*	-	2.61*	-	2.11*	-	2.14*
24	-LEAVES, FRESH FERTILIZED, 39	2-10-317	20.2	0.50*	-	0.53*	-	0.41*	-	0.43*
25	TO 45 DAYS' GROWTH, CUT 5, (2)		100.0	2.46*	-	2.62*	-	2.02*	-	2.15*
26	-LEAVES, FRESH FERTILIZED, 39	2-10-318	22.0	0.54*	-	0.58*	-	0.44*	-	0.47*
27	TO 45 DAYS' GROWTH, CUT 6, (2)		100.0	2.45*	-	2.61*	-	2.01*	-	2.14*
28	-LEAVES, FRESH FERTILIZED, 39	2-10-319	21.7	0.55*	-	0.57*	-	0.45*	-	0.47*
29	TO 45 DAYS' GROWTH, CUT 7, (2)		100.0	2.56*	-	2.62*	-	2.10*	-	2.15*
30	-LEAVES, FRESH FERTILIZED, 53	2-10-327	26.0	0.60*	-	0.66*	-	0.49*	-	0.54*
31	TO 59 DAYS' GROWTH, CUT 1, (2)		100.0	2.30*	-	2.53*	-	1.88*	-	2.07*
32	-LEAVES, FRESH FERTILIZED, 53	2-10-328	19.8	0.46*	-	0.50*	-	0.37*	-	0.41*
33	TO 59 DAYS' GROWTH, CUT 2, (2)		100.0	2.30*	-	2.52*	-	1.89*	-	2.07*
34	-LEAVES, FRESH FERTILIZED, 53	2-10-330	24.1	0.60*	-	0.62*	-	0.49*	-	0.51*
35	TO 59 DAYS' GROWTH, CUT 3, (2)		100.0	2.50*	-	2.59*	-	2.05*	-	2.12*
36	-LEAVES, FRESH FERTILIZED, 53	2-10-331	26.8	0.67*	-	0.70*	-	0.55*	-	0.57*
37	TO 59 DAYS' GROWTH, CUT 4, (2)		100.0	2.50*	-	2.61*	-	2.05*	-	2.14*
38	-LEAVES, FRESH FERTILIZED, 53	2-10-332	23.7	0.57*	-	0.60*	-	0.46*	-	0.49*
39	TO 59 DAYS' GROWTH, CUT 5, (2)		100.0	2.39*	-	2.53*	-	1.96*	-	2.08*
40	-LEAVES, FRESH FERTILIZED, 67	2-10-338	24.3	0.52*	-	0.60*	-	0.43*	-	0.49*
41	TO 73 DAYS' GROWTH, CUT 1, (2)		100.0	2.15*	-	2.47*	-	1.77*	-	2.02*
42	-LEAVES, FRESH FERTILIZED, 67	2-10-339	23.7	0.56*	-	0.59*	-	0.46*	-	0.48*
43	TO 73 DAYS' GROWTH, CUT 2, (2)		100.0	2.38*	-	2.49*	-	1.95*	-	2.04*
44	-LEAVES, FRESH FERTILIZED, 67	2-10-340	25.3	0.61*	-	0.65*	-	0.50*	-	0.53*
45	TO 73 DAYS' GROWTH, CUT 3, (2)		100.0	2.42*	-	2.57*	-	1.98*	-	2.11*
46	-LEAVES, FRESH FERTILIZED, 67	2-10-341	25.4	0.58*	-	0.64*	-	0.48*	-	0.52*
47	TO 73 DAYS' GROWTH, CUT 4, (2)		100.0	2.28*	-	2.51*	-	1.87*	-	2.06*
48	PANICUM PURPURASCENS. PARAGRASS		-	-	-	-	-	-	-	-
49	-AERIAL PART, DEHY, (1)	1-03-514	89.7	-	-	1.18*	-	-	-	0.96*
50			100.0	-	-	1.31*	-	-	-	1.07*
51	-HAY, S-C, (1)	1-03-517	93.0	1.79*	1.22*	1.58*	-	1.47*	1.00*	1.30*
52			100.0	2.15*	1.47*	1.90*	-	1.77*	1.20*	1.56*
53	-AERIAL PART, FRESH, (2)	2-03-525	31.3	0.75*	-	0.75*	-	0.61*	-	0.61*
54			100.0	2.39*	-	2.40*	-	1.96*	-	1.96*
55	-AERIAL PART, FRESH, 11	2-11-679	13.0	-	-	0.35*	-	-	-	0.28*
56	TO 17 DAYS' GROWTH, CUT 1, (2)		100.0	-	-	2.65*	-	-	-	2.18*
57	-AERIAL PART, FRESH, 11	2-11-680	18.5	0.48*	-	0.48*	-	0.39*	-	0.39*
58	TO 17 DAYS' GROWTH, CUT 2, (2)		100.0	2.57*	-	2.58*	-	2.11*	-	2.11*
59	-AERIAL PART, FRESH, 11	2-11-682	18.0	0.46*	-	0.47*	-	0.38*	-	0.38*
60	TO 17 DAYS' GROWTH, CUT 3, (2)		100.0	2.57*	-	2.59*	-	2.11*	-	2.13*
61	-AERIAL PART, FRESH, 11	2-11-683	20.0	0.53*	-	0.52*	-	0.44*	-	0.42*
62	TO 17 DAYS' GROWTH, CUT 4, (2)		100.0	2.66*	-	[illegible]	-	2.18*	-	2.12*
63	-AERIAL PART, FRESH, 11	2-11-685	22.5	0.57*	-	[illegible]	-	0.47*	-	0.48*
64	TO 17 DAYS' GROWTH, CUT 6, (2)		100.0	2.54*	-	[illegible]	-	2.08*	-	2.14*
65	-AERIAL PART, FRESH, 11	2-11-686	15.0	0.42*	-	[illegible]	-	0.34*	-	0.34*
66	TO 17 DAYS' GROWTH, CUT 8, (2)		100.0	2.78*	-	[illegible]	-	2.28*	-	2.25*
67	-AERIAL PART, FRESH, 11	2-11-687	21.5	0.56*	-	[illegible]	-	0.46*	-	0.46*
68	TO 17 DAYS' GROWTH, CUT 9, (2)		100.0	2.60*	-	2.59*	-	2.14*	-	2.12*
69	-AERIAL PART, FRESH, 11	2-11-688	20.0	0.52*	-	0.52*	-	0.43*	-	0.43*
70	TO 17 DAYS' GROWTH, CUT 10, (2)		100.0	2.60*	-	2.60*	-	2.13*	-	2.13*
71	-AERIAL PART, FRESH, 11	2-11-690	15.0	0.40*	-	0.38*	-	0.33*	-	0.31*
72	TO 17 DAYS' GROWTH, CUT 12, (2)		100.0	2.65*	-	2.54*	-	2.17*	-	2.09*
73	-AERIAL PART, FRESH, 11	2-11-691	25.0	0.60*	-	0.62*	-	0.49*	-	0.51*
74	TO 17 DAYS' GROWTH, CUT 13, (2)		100.0	2.41*	-	2.48*	-	1.97*	-	2.03*
75	-AERIAL PART, FRESH, 11	2-11-692	24.0	0.58*	-	0.59*	-	0.48*	-	0.49*
76	TO 17 DAYS' GROWTH, CUT 14, (2)		100.0	2.43*	-	2.48*	-	2.00*	-	2.03*
77	-AERIAL PART, FRESH, 11	2-11-693	33.0	0.79*	-	0.82*	-	0.65*	-	0.67*
78	TO 17 DAYS' GROWTH, CUT 15, (2)		100.0	2.41*	-	2.48*	-	1.97*	-	2.03*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.27*	0.09*	0.26*	13.*	-	14.*	-	-	2.1		1
02	-	-	1.12*	0.38*	1.09*	53.*	-	56.*	-	-	8.7	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.25*	0.09*	0.24*	12.*	-	12.*	-	-	2.1		1
05	-	-	1.13*	0.40*	1.11*	53.*	-	56.*	-	-	9.5	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	0.22*	0.02*	0.19*	10.*	-	12.*	-	-	1.6		1
08	-	-	0.99*	0.11*	0.87*	46.*	-	55.*	-	-	7.2	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	5	5
11	-	-	-	-	-	-	-	-	-	-	5.5	-	-
12	-	-	-	-	-	-	-	-	-	-	-	8	5
13	-	-	-	-	-	-	-	-	-	-	4.7	-	-
14	-	-	-	-	-	-	-	-	-	-	-	41	4
15	-	-	1.09*	0.32*	1.04*	51.*	-	56.*	-	-	2.7	-	-
16	-	-	0.25*	0.11*	0.25*	12.*	-	12.*	-	-	2.9		1
17	-	-	1.20*	0.53*	1.23*	56.*	-	60.*	-	-	14.2	-	-
18	-	-	0.24*	0.11*	0.24*	11.*	-	12.*	-	-	2.8		1
19	-	-	1.21*	0.54*	1.24*	57.*	-	60.*	-	-	14.4	-	-
20	-	-	0.25*	0.10*	0.25*	12.*	-	12.*	-	-	2.4		1
21	-	-	1.18*	0.49*	1.19*	55.*	-	58.*	-	-	11.3	-	-
22	-	-	0.29*	0.14*	0.30*	14.*	-	14.*	-	-	2.2		1
23	-	-	1.25*	0.61*	1.30*	58.*	-	59.*	-	-	9.6	-	-
24	-	-	0.24*	0.10*	0.24*	11.*	-	12.*	-	-	2.5		1
25	-	-	1.19*	0.51*	1.21*	56.*	-	59.*	-	-	12.6	-	-
26	-	-	0.26*	0.11*	0.26*	12.*	-	13.*	-	-	2.7		1
27	-	-	1.19*	0.50*	1.20*	56.*	-	59.*	-	-	12.3	-	-
28	-	-	0.27*	0.13*	0.28*	13.*	-	13.*	-	-	2.8		1
29	-	-	1.24*	0.59*	1.28*	58.*	-	59.*	-	-	12.8	-	-
30	-	-	0.29*	0.09*	0.28*	14.*	-	15.*	-	-	2.4		1
31	-	-	1.11*	0.36*	1.08*	52.*	-	57.*	-	-	9.4	-	-
32	-	-	0.22*	0.07*	0.21*	10.*	-	11.*	-	-	1.8		1
33	-	-	1.11*	0.37*	1.08*	52.*	-	57.*	-	-	9.3	-	-
34	-	-	0.29*	0.13*	0.30*	14.*	-	14.*	-	-	2.2		1
35	-	-	1.21*	0.54*	1.23*	57.*	-	59.*	-	-	9.2	-	-
36	-	-	0.32*	0.14*	0.33*	15.*	-	16.*	-	-	2.9		1
37	-	-	1.21*	0.54*	1.24*	57.*	-	59.*	-	-	10.7	-	-
38	-	-	0.27*	0.11*	0.27*	13.*	-	14.*	-	-	2.4		1
39	-	-	1.15*	0.45*	1.15*	54.*	-	57.*	-	-	10.2	-	-
40	-	-	0.25*	0.06*	0.23*	12.*	-	14.*	-	-	2.0		1
41	-	-	1.05*	0.23*	0.97*	49.*	-	56.*	-	-	8.4	-	-
42	-	-	0.27*	0.10*	0.27*	13.*	-	13.*	-	-	2.3		1
43	-	-	1.15*	0.44*	1.14*	54.*	-	56.*	-	-	9.6	-	-
44	-	-	0.30*	0.12*	0.30*	14.*	-	15.*	-	-	3.0		1
45	-	-	1.17*	0.47*	1.17*	55.*	-	58.*	-	-	12.0	-	-
46	-	-	0.28*	0.09*	0.27*	13.*	-	14.*	-	-	2.4		1
47	-	-	1.10*	0.35*	1.07*	52.*	-	57.*	-	-	9.6	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	27.*	-	-	7.4		1
50	-	-	-	-	-	-	-	30.*	-	-	8.2	-	-
51	-	-	0.87*	0.19*	0.80*	41▲*	30▲*	36▲*	-	-	4.1		3
52	-	-	1.05*	0.23*	0.97*	49▲*	36▲*	43▲*	-	-	4.9	-	-
53	-	-	0.36*	0.14*	0.36*	17▲	-	17▲*	-	-	2.9	27	14
54	-	-	1.15*	0.44*	1.15*	54▲	-	54▲*	-	-	9.2	-	-
55	-	-	-	-	-	-	-	8.*	-	-	2.8		1
56	-	-	-	-	-	-	-	60.*	-	-	21.9	-	-
57	-	-	0.23*	0.11*	0.24*	11.*	-	11.*	-	-	3.2		1
58	-	-	1.25*	0.60*	1.29*	58.*	-	58.*	-	-	17.1	-	-
59	-	-	0.22*	0.11*	0.23*	11.*	-	11.*	-	-	2.9		1
60	-	-	1.25*	0.60*	1.29*	58.*	-	59.*	-	-	16.0	-	-
61	-	-	0.26*	0.13*	0.27*	12.*	-	12.*	-	-	2.6		1
62	-	-	1.29*	0.67*	1.36*	60.*	-	59.*	-	-	13.1	-	-
63	-	-	0.28*	0.13*	0.29*	13.*	-	13.*	-	-	3.1		1
64	-	-	1.23*	0.57*	1.27*	58.*	-	59.*	-	-	13.8	-	-
65	-	-	0.20*	0.11*	0.22*	9.*	-	9.*	-	-	3.3		1
66	-	-	1.36*	0.76*	1.46*	63.*	-	62.*	-	-	22.3	-	-
67	-	-	0.27*	0.13*	0.28*	13.*	-	13.*	-	-	3.1		1
68	-	-	1.26*	0.63*	1.32*	59.*	-	59.*	-	-	14.5	-	-
69	-	-	0.25*	0.12*	0.26*	12.*	-	12.*	-	-	3.0		1
70	-	-	1.26*	0.62*	1.32*	59.*	-	59.*	-	-	15.0	-	-
71	-	-	0.19*	0.10*	0.20*	9.*	-	9.*	-	-	2.3		1
72	-	-	1.29*	0.66*	1.36*	60.*	-	58.*	-	-	15.0	-	-
73	-	-	0.29*	0.12*	0.29*	14.*	-	14.*	-	-	2.3		1
74	-	-	1.16*	0.46*	1.16*	55.*	-	56.*	-	-	9.2	-	-
75	-	-	0.28*	0.12*	0.28*	13.*	-	13.*	-	-	2.4		1
76	-	-	1.18*	0.48*	1.18*	55.*	-	56.*	-	-	10.1	-	-
77	-	-	0.38*	0.15*	0.38*	18.*	-	19.*	-	-	2.6		1
78	-	-	1.16*	0.46*	1.17*	55.*	-	56.*	-	-	8.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.3*	1.2*	1.2*	-	-	8.2		1	0.5	-	-	-
02	5.3*	4.9*	5.1*	-	-	33.8	-	-	2.2	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	1.3*	1.2*	1.3*	-	-	7.7		1	0.4	-	-	-
05	6.0*	5.6*	5.8*	-	-	34.9	-	-	2.0	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	0.9*	0.8*	0.8*	-	-	8.7		1	0.6	-	-	-
08	4.0*	3.6*	3.7*	-	-	39.5	-	-	2.5	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	2.5*	2.2*	2.1*	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	1.9*	1.5*	1.4*	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	13	4	-	-	1	4
15	0.2*		-0.4*	-	-	33.2	-	-	1.5	0.29	-	-
16	2.1*	2.0*	2.1*	-	-	6.4		1	0.6	0.13		1
17	10.0*	9.6*	10.2*	-	-	31.3	-	-	3.0	0.62	-	-
18	2.0*	1.9*	2.0*	-	-	6.1		1	0.6	0.15		1
19	10.1*	9.8*	10.4*	-	-	31.1	-	-	3.1	0.79	-	-
20	1.6*	1.5*	1.6*	-	-	6.1		1	0.6	0.18		1
21	7.5*	7.1*	7.5*	-	-	28.5	-	-	2.8	0.84	-	-
22	1.4*	1.3*	1.4*	-	-	6.5		1	0.6	0.20		1
23	6.0*	5.7*	5.9*	-	-	27.9	-	-	2.6	0.84	-	-
24	1.7*	1.7*	1.8*	-	-	6.4		1	0.6	0.13		1
25	8.6*	8.2*	8.7*	-	-	31.7	-	-	3.2	0.64	-	-
26	1.8*	1.8*	1.9*	-	-	6.8		1	0.8	-	-	-
27	8.3*	8.0*	8.5*	-	-	30.8	-	-	3.6	-	-	-
28	1.9*	1.8*	1.9*	-	-	6.4		1	0.5	-	-	-
29	8.8*	8.4*	8.9*	-	-	29.3	-	-	2.4	-	-	-
30	1.5*	1.4*	1.5*	-	-	8.8		1	0.7	0.13		1
31	5.9*	5.5*	5.8*	-	-	34.0	-	-	2.8	0.50	-	-
32	1.1*	1.1*	1.1*	-	-	6.7		1	0.5	0.19		1
33	5.8*	5.4*	5.7*	-	-	33.9	-	-	2.7	0.95	-	-
34	1.4*	1.3*	1.3*	-	-	7.3		1	0.6	0.15		1
35	5.7*	5.3*	5.6*	-	-	30.4	-	-	2.5	0.64	-	-
36	1.9*	1.8*	1.9*	-	-	8.4		1	0.7	0.12		1
37	7.0*	6.6*	7.0*	-	-	31.5	-	-	2.7	0.45	-	-
38	1.6*	1.5*	1.5*	-	-	7.5		1	0.6	0.16		1
39	6.6*	6.2*	6.5*	-	-	31.6	-	-	2.5	0.66	-	-
40	1.2*	1.1*	1.2*	-	-	8.2		1	0.8	-	-	-
41	5.0*	4.7*	4.8*	-	-	33.7	-	-	3.3	-	-	-
42	1.4*	1.3*	1.4*	-	-	7.2		1	0.5	-	-	-
43	6.0*	5.7*	5.9*	-	-	30.4	-	-	2.2	-	-	-
44	2.0*	2.0*	2.1*	-	-	8.0		1	0.7	-	-	-
45	8.1*	7.7*	8.2*	-	-	31.8	-	-	2.7	-	-	-
46	1.5*	1.4*	1.5*	-	-	8.8		1	0.7	-	-	-
47	6.0*	5.7*	5.9*	-	-	34.6	-	-	2.6	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	3.7*	4.1*	3.6*	-	-	27.4		1	10.3	0.56		1
50	4.1*	4.5*	4.0*	-	-	30.5	-	-	11.5	0.62	-	-
51	1.0*	1.4*	0.4	-	-	27.3		3	1.0	-	-	-
52	1.2*	1.1*	0.5	-	-	32.9	-	-	1.3	-	-	-
53	1.9	1.7*	1.6	-	-	10.1	9	10	0.5	0.1.	52	4
54	5.9	5.3*	5.1	-	-	32.2	-	-	1.6	0.35	-	-
55	2.1*	2.1*	2.3*	-	-	4.5		1	0.3	-	-	-
56	16.5*	16.1*	17.4*	-	-	34.6	-	-	2.1	-	-	-
57	2.3*	2.2*	2.4*	-	-	6.0		1	0.4	-	-	-
58	12.4*	12.0*	12.9*	-	-	32.6	-	-	2.1	-	-	-
59	2.1*	2.0*	2.1*	-	-	5.9		1	0.4	-	-	-
60	11.5*	11.1*	11.9*	-	-	32.7	-	-	2.1	-	-	-
61	1.8*	1.7*	1.8*	-	-	6.1		1	0.3	-	-	-
62	9.0*	8.7*	9.2*	-	-	30.5	-	-	1.3	-	-	-
63	2.2*	2.1*	2.2*	-	-	7.2		1	0.5	-	-	-
64	9.6*	9.2*	9.9*	-	-	32.2	-	-	2.2	-	-	-
65	2.5*	2.5*	2.7*	-	-	3.8		1	0.2	-	-	-
66	16.8*	16.5*	17.8*	-	-	25.1	-	-	1.4	-	-	-
67	2.2*	2.1*	2.3*	-	-	6.5		1	0.4	-	-	-
68	10.2*	9.8*	10.5*	-	-	31.7	-	-	1.8	-	-	-
69	2.1*	2.1*	2.2*	-	-	6.3		1	0.4	-	-	-
70	10.6*	10.3*	11.0*	-	-	31.3	-	-	1.9	-	-	-
71	1.6*	1.5*	1.6*	-	-	5.1		1	0.2	-	-	-
72	10.6*	10.3*	11.0*	-	-	34.3	-	-	1.6	-	-	-
73	1.4*	1.3*	1.4*	-	-	8.8		1	0.4	-	-	-
74	5.7*	5.3*	5.6*	-	-	35.3	-	-	1.6	-	-	-
75	1.6*	1.5*	1.5*	-	-	8.4		1	0.4	-	-	-
76	6.5*	6.1*	6.4*	-	-	34.8	-	-	1.7	-	-	-
77	1.3*	1.4*	1.5*	-	-	11.2		1	0.5	-	-	-
78	4.7*	4.3*	4.4*	-	-	33.9	-	-	1.5	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	1	4	-	-	-	-	-	-		-	-	-	-	-	-	-
15	-	0.02	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
16	-	0.06		1	-	-	-	-	-	-		-	-	-	-	-	-	-
17	-	0.28	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
18	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	0.20	0.36		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	0.22	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	0.08	14	4	0.50	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.25	-	-	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, 11	2-11-694	16.5	0.44*	-	0.43*	-	0.36*	-	0.36*
02	TO 17 DAYS' GROWTH, CUT 16, (2)		100.0	2.65*	-	2.63*	-	2.17*	-	2.16*
03	-AERIAL PART, FRESH, 11	2-11-696	14.0	0.38*	-	0.36*	-	0.31*	-	0.30*
04	TO 17 DAYS' GROWTH, CUT 18, (2)		100.0	2.72*	-	2.59*	-	2.23*	-	2.12*
05	-AERIAL PART, FRESH, 11	2-11-697	17.5	0.47*	-	0.44*	-	0.39*	-	0.36*
06	TO 17 DAYS' GROWTH, CUT 19, (2)		100.0	2.71*	-	2.53*	-	2.22*	-	2.07*
07	-AERIAL PART, FRESH, 11	2-11-698	17.5	0.47*	-	0.45*	-	0.38*	-	0.37*
08	TO 17 DAYS' GROWTH, CUT 20, (2)		100.0	2.68*	-	2.58*	-	2.20*	-	2.12*
09	-AERIAL PART, FRESH, 18	2-11-684	23.5	0.60*	-	0.61*	-	0.49*	-	0.50*
10	TO 24 DAYS' GROWTH, CUT 5, (2)		100.0	2.55*	-	2.60*	-	2.09*	-	2.13*
11	-AERIAL PART, FRESH, 18	2-11-689	19.5	0.50*	-	0.49*	-	0.41*	-	0.41*
12	TO 24 DAYS' GROWTH, CUT 11, (2)		100.0	2.57*	-	2.54*	-	2.11*	-	2.08*
13	-AERIAL PART, FRESH, 18	2-11-695	25.5	0.64*	-	0.64*	-	0.53*	-	0.52*
14	TO 24 DAYS' GROWTH, CUT 17, (2)		100.0	2.52*	-	2.49*	-	2.07*	-	2.04*
15	-AERIAL PART, FRESH, 18	2-11-700	13.0	0.34*	-	0.33*	-	0.28*	-	0.27*
16	TO 24 DAYS' GROWTH, CUT 22, (2)		100.0	2.64*	-	2.55*	-	2.17*	-	2.09*
17	-AERIAL PART, FRESH, 25	2-10-343	19.9	-	-	-	-	-	-	-
18	TO 31 DAYS' GROWTH, CUT 5, (2)		100.0	-	-	-	-	-	-	-
19	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-266	-	-	-	-	-	-	-	-
20			100.0	-	-	-	-	-	-	-
21	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-11-341	-	-	-	-	-	-	-	-
22			100.0	-	-	-	-	-	-	-
23	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-10-265	-	-	-	-	-	-	-	-
24			100.0	-	-	-	-	-	-	-
25	-AERIAL PART, FRESH, 81 TO 87 DAYS' GROWTH, (2)	2-11-343	-	-	-	-	-	-	-	-
26			100.0	2.07	-	-	-	1.70*	-	-
27	-AERIAL PART, FRESH, RIPE SEED, (2)	2-03-523	22.0	0.42*	-	0.55*	-	0.34*	-	0.45*
28			100.0	1.91*	-	2.49*	-	1.57*	-	2.04*
29	-AERIAL PART, FRESH	2-10-249	-	-	-	-	-	-	-	-
30	FERTILIZED, [illegible] DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
31	-AERIAL PART, FRESH	2-11-342	-	-	-	-	-	-	-	-
32	FERTILIZED, 53 TO 59 DAYS' GROWTH, (2)		100.0	2.16	-	-	-	1.77*	-	-
33	-AERIAL PART, FRESH	2-10-250	-	-	-	-	-	-	-	-
34	FERTILIZED, 60 TO 66 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
35	PANICUM PURPURASCENS, PUERARIA SPP.		-	-	-	-	-	-	-	-
36	PARAGRASS-KUDZU		-	-	-	-	-	-	-	-
37	-PUERARIA SPP, AERIAL PART, FRESH, (2)	2-03-532	23.9	0.63*	-	0.61*	-	0.52*	-	0.50*
38			100.0	2.64*	-	2.57*	-	2.17*	-	2.10*
39	PANICUM SPP. PANICUM		-	-	-	-	-	-	-	-
40	-AERIAL PART, FRESH, (2)	2-03-499	30.9	0.66*	-	0.75*	-	0.54*	-	0.61*
41			100.0	2.14*	-	2.42*	-	1.75*	-	1.98*
42	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-361	36.4	1.21*	-	0.95*	-	0.99*	-	0.78*
43			100.0	3.31*	-	2.61*	-	2.72*	-	2.14*
44	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-03-498	24.4	0.64*	-	0.59*	-	0.52*	-	0.49*
45			100.0	2.61*	-	2.43*	-	2.14*	-	2.00*
46	PASPALAM NOTATUM. BAHIAGRASS		-	-	-	-	-	-	-	-
47	-AERIAL PART, DEHY GRND, (1)	1-10-820	89.4	1.94*	1.92*	1.93*	-	1.59*	1.58*	1.58*
48			100.0	2.17*	2.15*	2.16*	-	1.78*	1.76*	1.77*
49	PASPALUM CONJUGATUM. PASPALUM, SOUR		-	-	-	-	-	-	-	-
50	-AERIAL PART, FRESH, (2)	2-10-084	29.4	-	-	-	-	-	-	-
51			100.0	-	-	-	-	-	-	-
52	-AERIAL PART, FRESH, LATE VEGETATIVE, (2)	2-10-223	20.8	0.48*	-	0.50*	-	0.39*	-	0.41*
53			100.0	2.29*	-	2.41*	-	1.88*	-	1.98*
54	PASPALUM DILATATUM. DALLISGRASS		-	-	-	-	-	-	-	-
55	-AERIAL PART, FRESH, LATE VEGETATIVE, (2)	2-10-222	22.9	0.61*	-	0.61*	-	0.50*	-	0.50*
56			100.0	2.68*	-	2.66*	-	2.20*	-	2.18*
57	-AERIAL PART, FRESH, RIPE SEED, (2)	2-01-740	32.0	-	-	0.32*	-	-	-	0.29*
58			100.0	-	-	1.02*	-	-	-	0.92*
59	PASPALUM FASCICULATUM. PASPALUM, BROWNTOP		-	-	-	-	-	-	-	-
60	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-11-456	-	-	-	-	-	-	-	-
61			100.0	2.49	-	-	-	2.04*	-	-
62	-AERIAL PART, FRESH, 81 TO 87 DAYS' GROWTH, (2)	2-11-465	-	-	-	-	-	-	-	-
63			100.0	1.99	-	-	-	1.63*	-	-
64	PASPALUM NOTATUM. BAHIAGRASS		-	-	-	-	-	-	-	-
65	-HAY, S-C, (1)	1-00-462	90.7	2.06*	1.73*	2.08*	-	1.69*	1.42*	1.71*
66			100.0	2.27*	1.91*	2.30*	-	1.86*	1.56*	1.88*
67	-AERIAL PART, FRESH, (2)	2-00-464	31.3	0.79*	-	0.73*	-	0.65*	-	0.60*
68			100.0	2.54*	-	2.34*	-	2.08*	-	1.92*
69	-AERIAL PART, FRESH, LATE VEGETATIVE, (2)	2-10-224	30.3	0.92*	-	0.86*	-	0.75*	-	0.71*
70			100.0	3.03*	-	2.85*	-	2.49*	-	2.34*
71	PASPALUM NOTATUM. BAHIAGRASS, PENSACOLA		-	-	-	-	-	-	-	-
72	-AERIAL PART, DEHY GRND, (1)	1-10-816	90.0	1.80*	1.66*	1.95*	-	1.47*	1.36*	1.60*
73			100.0	2.00*	1.84*	2.16*	-	1.64*	1.51*	1.77*
74	PASPALUM PLICATULUM. PASPALUM, BROWNSEED		-	-	-	-	-	-	-	-
75	-AERIAL PART,	2-10-001	93.2	-	-	-	-	-	-	-
76	FRESH, 53 TO 59 DAYS' GROWTH, CUT 1,		100.0	-	-	-	-	-	-	-
77	(2)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.21*	0.11*	0.22*	10.*	-	10.*	-	-	1.9		1
02	-	-	1.29*	0.66*	1.35*	60.*	-	60.*	-	-	11.4	-	-
03	-	-	0.19*	0.10*	0.20*	9.*	-	8.*	-	-	2.5		1
04	-	-	1.33*	0.72*	1.41*	62.*	-	59.*	-	-	17.5	-	-
05	-	-	0.23*	0.12*	0.24*	11.*	-	10.*	-	-	2.5		1
06	-	-	1.32*	0.71*	1.40*	61.*	-	57.*	-	-	14.3	-	-
07	-	-	0.23*	0.12*	0.24*	11.*	-	10.*	-	-	2.6		1
08	-	-	1.30*	0.68*	1.38*	61.*	-	59.*	-	-	14.8	-	-
09	-	-	0.29*	0.14*	0.30*	14.*	-	14.*	-	-	3.4		1
10	-	-	1.23*	0.59*	1.27*	58.*	-	59.*	-	-	14.5	-	-
11	-	-	0.24*	0.12*	0.25*	11.*	-	11.*	-	-	2.6		1
12	-	-	1.25*	0.60*	1.29*	58.*	-	58.*	-	-	13.5	-	-
13	-	-	0.31*	0.14*	0.32*	15.*	-	14.*	-	-	2.4		1
14	-	-	1.22*	0.56*	1.25*	57.*	-	56.*	-	-	9.3	-	-
15	-	-	0.17*	0.09*	0.18*	8.*	-	8.*	-	-	1.9		1
16	-	-	1.28*	0.65*	1.35*	60.*	-	58.*	-	-	14.4	-	-
17	-	-	-	-	-	-	-	-	-	-	1.9		1
18	-	-	-	-	-	-	-	-	-	-	9.4	-	-
19	-	-	-	-	-	-	-	-	-	-	-		1
20	-	-	-	-	-	-	-	-	-	-	8.2	-	-
21	-	-	-	-	-	-	-	-	-	-	-		1
22	-	-	-	-	-	-	-	-	-	-	11.6	-	-
23	-	-	-	-	-	-	-	-	-	-	-		1
24	-	-	-	-	-	-	-	-	-	-	6.4	-	-
25	-	-	-	-	-	-	-	-	-	-	-		2
26	-	-	1.01*	0.15*	0.90*	-	-	-	-	-	8.5	-	-
27	-	-	0.21*		0.17*	10.*	-	12.*	-	-	2.0		1
28	-	-	0.94*	0.01*	0.78*	43.*	-	56.*	-	-	8.9	-	-
29	-	-	-	-	-	-	-	-	-	-	-		3
30	-	-	-	-	-	-	-	-	-	-	10.6	-	-
31	-	-	-	-	-	-	-	-	-	-	-		1
32	-	-	1.05*	0.24*	0.97*	-	-	-	-	-	12.5	-	-
33	-	-	-	-	-	-	-	-	-	-	-		3
34	-	-	-	-	-	-	-	-	-	-	8.2	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	0.31*	0.16*	0.32*	14.*	-	14.*	-	-	2.9		1
38	-	-	1.28*	0.66*	1.35*	60.*	-	58.*	-	-	12.0	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	0.32*	0.07*	0.30*	15.*	-	17.*	-	-	2.2		2
41	-	-	1.04*	0.21*	0.96*	49.*	-	55.*	-	-	7.1	-	-
42	-	-	0.62*	0.41*	0.68*	27.*	-	22.*	-	-	2.0		1
43	-	-	1.70*	1.12*	1.87*	75.*	-	59.*	-	-	5.4	-	-
44	-	-	0.31*	0.15*	0.32*	14.*	-	13.*	-	-	2.9		2
45	-	-	1.27*	0.63*	1.33*	59.*	-	55.*	-	-	11.9	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	0.94*	0.22*	0.88*	44.*	48.*	44.*	-	-	7.6		1
48	-	-	1.05*	0.25*	0.98*	49.*	54.*	49.*	-	-	8.5	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	2.8	40	19
51	-	-	-	-	-	-	-	-	-	-	9.4	-	-
52	-	-	0.23*	0.07*	0.22*	11.*	-	11.*	-	-	1.4		1
53	-	-	1.11*	0.36*	1.07*	52.*	-	55.*	-	-	6.8	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	0.30*	0.16*	0.32*	14.*	-	14.*	-	-	3.3		1
56	-	-	1.30*	0.69*	1.38*	61.*	-	60.*	-	-	14.4	-	-
57	-	-	-	-	-	-	-	7.*	-	-	3.6		2
58	-	-	-	-	-	-	-	22.*	-	-	11.1	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-		2
61	-	-	1.21*	0.53*	1.23*	-	-	-	-	-	11.0	-	-
62	-	-	-	-	-	-	-	-	-	-	-		2
63	-	-	0.98*	0.07*	0.84*	-	-	-	-	-	10.4	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	1.00*	0.31*	0.96*	47.*	43.*	47.*	-	-	11.5	13	10
66	-	-	1.10*	0.34*	1.06*	51.*	48.*	52.*	-	-	12.7	-	-
67	-	-	0.38*	0.10*	0.40*	18.*	-	17.*	-	-	2.3	36	26
68	-	-	1.23*	0.57*	1.27*	58.*	-	53.*	-	-	7.3	-	-
69	-	-	0.46*	0.28*	0.50*	21.*	-	20.*	-	-	2.8		3
70	-	-	1.51*	0.94*	1.65*	69.*	-	65.*	-	-	9.4	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	0.88*	0.07*	0.76*	41.*	41.*	44.*	-	-	9.5		1
73	-	-	0.98*	0.07*	0.84*	45.*	46.*	49.*	-	-	10.6	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.3*	1.2*	1.3*	-	-	4.5		1	0.2	-	-	-
02	7.6*	7.2*	7.6*	-	-	27.1	-	-	1.5	-	-	-
03	1.8*	1.7*	1.9*	-	-	4.3		1	0.2	-	-	-
04	12.8*	12.4*	13.3*	-	-	30.7	-	-	1.5	-	-	-
05	1.8*	1.7*	1.8*	-	-	5.6		1	0.2	-	-	-
06	10.0*	9.7*	10.3*	-	-	32.2	-	-	1.2	-	-	-
07	1.8*	1.8*	1.9*	-	-	5.4		1	0.2	-	-	-
08	10.5*	10.1*	10.8*	-	-	30.6	-	-	1.4	-	-	-
09	2.4*	2.3*	2.5*	-	-	8.0		1	0.5	-	-	-
10	10.2*	9.8*	10.5*	-	-	33.9	-	-	2.1	-	-	-
11	1.8*	1.8*	1.9*	-	-	6.6		1	0.3	-	-	-
12	9.4*	9.0*	9.6*	-	-	33.8	-	-	1.7	-	-	-
13	1.5*	1.4*	1.4*	-	-	7.9		1	0.4	-	-	-
14	5.8*	5.4*	5.7*	-	-	31.1	-	-	1.4	-	-	-
15	1.3*	1.3*	1.4*	-	-	3.7		1	0.2	-	-	-
16	10.1*	9.8*	10.4*	-	-	28.4	-	-	1.4	-	-	-
17	1.2*	1.1*	1.1*	-	-	-	-	-	-	-	-	-
18	5.9*	5.5*	5.8*	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	4.9*	4.5*	4.6*	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	7.7*	7.4*	7.8*	-	71.0	-	-	-	2.6	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	3.3*	3.0*	3.0*	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	4.4	4.8*	5.0*	-	69.0	-	-	-	3.4	-	-	-
27	1.2*	1.1*	1.2*	-	-	9.1		1	0.7	0.09		1
28	5.5*	5.1*	5.3*	-	-	41.4	-	-	3.2	0.39	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	6.9*	6.5*	6.8*	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	8.1	8.1*	8.5*	-	70.1	-	-	-	2.9	-	-	-
33	-	-	-	-	-	-	-	-	-	-		1
34	4.8*	4.5*	4.6*	-	-	-	-	-	-	0.48	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	1.9*	1.9*	2.0*	-	-	7.4		1	0.3	-	-	-
38	8.1*	7.8*	8.2*	-	-	31.2	-	-	1.2	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	1.2*	1.1*	1.1*	-	-	11.6		2	0.7	-	-	-
41	3.9*	3.5*	3.6*	-	-	37.5	-	-	2.2	-	-	-
42	0.9*	0.8*	0.7*	-	-	10.5		1	1.5	-	-	-
43	2.5*	2.1*	2.0*	-	-	28.8	-	-	4.1	-	-	-
44	2.0*	1.9*	2.0*	-	-	8.5		2	0.3	-	-	-
45	8.0*	7.6*	8.1*	-	-	34.8	-	-	1.3	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	3.8*	4.2*	3.8*	-	-	30.0		1	4.5	0.52		1
48	4.3*	4.7*	4.2*	-	-	33.6	-	-	5.0	0.58	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	1.7*	1.6*	1.7*	-	-	8.9		3	-	0.10	93	18
51	5.9*	5.5*	5.8*	-	-	30.3	-	-	-	0.33	-	-
52	0.8*	0.7*	0.7*	-	-	7.9		1	0.3	0.03		1
53	3.6*	3.3*	3.3*	-	-	38.2	-	-	1.3	0.13	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	2.3*	2.2*	2.4*	-	-	7.1		1	0.3	0.15		1
56	10.1*	9.7*	10.4*	-	-	31.1	-	-	1.5	0.64	-	-
57	2.4*	2.2*	2.4*	-	-	9.5		2	8.1	-	-	-
58	7.4*	7.0*	7.4*	-	-	29.5	-	-	25.3	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	6.5	6.9*	7.3*	-	67.3	-	-	-	2.9	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	5.3	6.4*	6.7*	-	71.1	-	-	-	2.8	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	7.2*	7.6*	7.2*	-	-	30.8	5	10	1.3	-	-	-
66	7.9*	8.3*	8.0*	-	-	33.9	-	-	1.4	-	-	-
67	1.3*	1.2*	1.2*	-	-	9.3	9	14	0.7	0.02		2
68	4.1*	3.7*	3.8*	-	-	29.7	-	-	2.3	0.05	-	-
69	1.8*	1.7*	1.7*	-	-	7.0		3	0.7	0.09		1
70	5.9*	5.5*	5.7*	-	-	23.0	-	-	2.2	0.31	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	5.5*	5.8*	5.4*	-	-	32.1		1	5.5	0.48		1
73	6.1*	6.5*	6.0*	-	-	35.7	-	-	6.1	0.53	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	8.1	-	-	-
76	-	-	-	-	-	-	-	-	8.7	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	0.17		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.33	0.18	-	-	2.20	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	0.18		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	0.06	36	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	0.01		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.20		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-221	24.0	0.65*	-	0.60*	-	0.53*	-	0.49*
02			100.0	2.71*	-	2.49*	-	2.22*	-	2.04*
03	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-10-220	21.3	0.54*	-	0.55*	-	0.44*	-	0.45*
04			100.0	2.52*	-	2.58*	-	2.06*	-	2.11*
05	-AERIAL PART, ENSILED, (3)	3-09-406	25.8	-	-	-	-	-	-	-
06			100.0	-	-	-	-	-	-	-
07	PASPALUM SPP. PASPALUM		-	-	-	-	-	-	-	-
08	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-03-540	-	-	-	-	-	-	-	-
09			100.0	2.15*	-	2.46*	-	1.76*	-	2.01*
10	-AERIAL PART, FRESH, RIPE SEED, (2)	2-03-542	24.9	0.59*	-	0.62*	-	0.48*	-	0.51*
11			100.0	2.35*	-	2.47*	-	1.93*	-	2.03*
12	PASPALUM URVILLEI. VASEYGRASS		-	-	-	-	-	-	-	-
13	-AERIAL PART, FRESH, LATE VEGETATIVE, (2)	2-10-227	31.7	0.85*	-	0.85*	-	0.70*	-	0.69*
14			100.0	2.69*	-	2.67*	-	2.21*	-	2.19*
15	-AERIAL PART, FRESH, RIPE SEED, (2)	2-05-072	21.1	0.57*	-	0.56*	-	0.47*	-	0.46*
16			100.0	2.71*	-	2.67*	-	2.22*	-	2.19*
17	PEANUT MEAL AND HULLS (AAFCO)		-	-	-	-	-	-	-	-
18	-SEE ARACHIS HYPOGAEA, KERNELS W SKINS		-	-	-	-	-	-	-	-
19	W HULLS, MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
20	PEANUT OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
21	-SEE ARACHIS HYPOGAEA, KERNELS,		-	-	-	-	-	-	-	-
22	SOLV-EXTD GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
23	PEANUT OIL MEAL W SHELLS, MECHANICAL EXTRACTED		-	-	-	-	-	-	-	-
24	-SEE ARACHIS HYPOGAEA, KERNELS W SKINS		-	-	-	-	-	-	-	-
25	W HULLS, MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
26	PEA VINE SILAGE		-	-	-	-	-	-	-	-
27	-SEE PISUM SPP, AERIAL PART WO SEEDS,		-	-	-	-	-	-	-	-
28	ENSILED, (3)		-	-	-	-	-	-	-	-
29	PENNISETUM CILIARE. BUFFELGRASS		-	-	-	-	-	-	-	-
30	-HAY, S-C, (1)	1-10-353	92.5	1.86*	1.85*	1.92*	-	1.53*	1.51*	1.57*
31			100.0	2.02*	2.00*	2.07*	-	1.65*	1.64*	1.70*
32	-HAY, S-C, 18 TO 24 DAYS' GROWTH, (1)	1-10-117	90.9	1.84*	-	1.90*	-	1.50*	-	1.56*
33			100.0	2.02*	-	2.09*	-	1.66*	-	1.72*
34	-HAY, S-C, 32 TO 38 DAYS' GROWTH, (1)	1-10-118	92.2	1.82*	-	1.90*	-	1.49*	-	1.56*
35			100.0	1.97*	-	2.06*	-	1.62*	-	1.69*
36	-HAY, S-C, 46 TO 52 DAYS' GROWTH, (1)	1-10-119	92.6	1.78*	-	1.91*	-	1.46*	-	1.57*
37			100.0	1.92*	-	2.07*	-	1.58*	-	1.69*
38	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-253	19.4	0.50*	-	0.50*	-	0.41*	-	0.41*
39			100.0	2.57*	-	2.59*	-	2.11*	-	2.13*
40	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-10-252	18.1	0.41*	-	0.47*	-	0.34*	-	0.38*
41			100.0	2.29*	-	2.57*	-	1.87*	-	2.11*
42	PENNISETUM CLANDESTINUM. KIKUYUGRASS		-	-	-	-	-	-	-	-
43	-HAY, S-C, (1)	1-09-454	93.1	2.23*	1.79*	2.18*	-	1.83*	1.47*	1.79*
44			100.0	2.40*	1.92*	2.34*	-	1.97*	1.58*	1.92*
45	-AERIAL PART, FRESH, (2)	2-09-400	23.4	0.63*	-	0.63*	-	0.52*	-	0.51*
46			100.0	2.70*	-	2.68*	-	2.22*	-	2.20*
47	-AERIAL PART, FRESH, 18 TO 24 DAYS' GROWTH, (2)	2-10-189	-	-	-	-	-	-	-	-
48			100.0	2.14*	-	2.62*	-	1.75*	-	2.15*
49	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-230	-	-	-	-	-	-	-	-
50			100.0	2.31*	-	2.59*	-	1.89*	-	2.12*
51	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-10-190	-	-	-	-	-	-	-	-
52			100.0	2.00*	-	2.22*	-	1.64*	-	1.82*
53	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-05-665	-	-	-	-	-	-	-	-
54			100.0	-	-	2.67*	-	-	-	2.19*
55	-AERIAL PART, FRESH	2-10-226	19.1	0.50*	-	0.50*	-	0.41*	-	0.41*
56	FERTILIZED, LATE VEGETATIVE, (2)		100.0	2.60*	-	2.62*	-	2.13*	-	2.14*
57	PENNISETUM CLANDESTINUM, TRIFOLIUM PRATENSE.		-	-	-	-	-	-	-	-
58	KIKUYUGRASS-CLOVER, RED		-	-	-	-	-	-	-	-
59	-TRIFOLIUM PRATENSE,	2-10-191	-	-	-	-	-	-	-	-
60	AERIAL PART, FRESH, 18 TO 24 DAYS'		100.0	-	-	2.59*	-	-	-	2.12*
61	GROWTH, (2)		-	-	-	-	-	-	-	-
62	-TRIFOLIUM PRATENSE,	2-10-192	-	-	-	-	-	-	-	-
63	AERIAL PART, FRESH, 39 TO 45 DAYS'		100.0	2.41*	-	2.61*	-	1.97*	-	2.14*
64	GROWTH, (2)		-	-	-	-	-	-	-	-
65	-TRIFOLIUM PRATENSE,	2-10-193	-	-	-	-	-	-	-	-
66	AERIAL PART, FRESH, 60 TO 66 DAYS'		100.0	2.37*	-	2.50*	-	1.94*	-	2.05*
67	GROWTH, (2)		-	-	-	-	-	-	-	-
68	PENNISETUM CLANDESTINUM, TRIFOLIUM REPENS.		-	-	-	-	-	-	-	-
69	KIKUYUGRASS-CLOVER, WHITE		-	-	-	-	-	-	-	-
70	-TRIFOLIUM REPENS, AERIAL PART, FRESH, (2)	2-10-235	-	-	-	-	-	-	-	-
71			100.0	2.70*	-	2.68*	-	2.22*	-	2.20*
72	-TRIFOLIUM REPENS,	2-10-236	-	-	-	-	-	-	-	-
73	AERIAL PART, FRESH FERTILIZED, (2)		100.0	2.69*	-	2.69*	-	2.20*	-	2.20*
74	PENNISETUM PURPUREUM. NAPIERGRASS		-	-	-	-	-	-	-	-
75	-HAY, S-C, (1)	1-08-462	90.6	2.02*	-	2.04*	-	1.66*	-	1.67*
76			100.0	2.23*	-	2.25*	-	1.83*	-	1.84*
77	-AERIAL PART, FRESH, (2)	2-03-166	21.8	0.61*	-	0.52*	-	0.50*	-	0.43*
78			100.0	2.78*	-	2.41*	-	2.28*	-	1.97*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.37*	0.17*	0.34*	15.*	-	14.*	-	-	3.1		1
02	-	-	1.32*	0.71*	1.40*	62.*	-	57.*	-	-	13.1	-	-
03	-	-	0.26*	0.12*	0.27*	12.*	-	12.*	-	-	1.9		1
04	-	-	1.22*	0.55*	1.25*	57.*	-	58.*	-	-	8.8	-	-
05	-	-	-	-	-	-	-	-	-	-	1.4		1
06	-	-	-	-	-	-	-	-	-	-	5.3	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-		1
09	-	-	1.04*	0.22*	0.96*	49.*	-	56.*	-	-	8.4	-	-
10	-	-	0.28*	0.10*	0.28*	13.*	-	14.*	-	-	1.2		1
11	-	-	1.14*	0.41*	1.12*	53.*	-	56.*	-	-	4.9	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	0.42*	0.22*	0.44*	19.*	-	19.*	-	-	1.9		1
14	-	-	1.31*	0.70*	1.39*	61.*	-	60.*	-	-	6.0	-	-
15	-	-	0.28*	0.15*	0.30*	13.*	-	13.*	-	-	1.2		1
16	-	-	1.32*	0.71*	1.40*	61.*	-	61.*	-	-	5.7	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	0.91*	0.09*	0.79*	42.*	46.*	43.*	-	-	8.1		3
31	-	-	0.99*	0.09*	0.86*	46.*	50.*	47.*	-	-	8.8	-	-
32	-	-	0.90*	0.09*	0.78*	42.*	-	43.*	-	-	10.1	23	28
33	-	-	0.99*	0.09*	0.86*	46.*	-	47.*	-	-	11.1	-	-
34	-	-	0.89*	0.04*	0.76*	41.*	-	43.*	-	-	7.6	29	16
35	-	-	0.97*	0.04*	0.82*	45.*	-	47.*	-	-	8.2	-	-
36	-	-	0.88*		0.73*	40.*	-	43.*	-	-	6.6	35	12
37	-	-	0.95*		0.79*	44.*	-	47.*	-	-	7.2	-	-
38	-	-	0.24*	0.12*	0.25*	11.*	-	11.*	-	-	2.7		1
39	-	-	1.25*	0.60*	1.29*	58.*	-	59.*	-	-	14.0	-	-
40	-	-	0.20*	0.06*	0.19*	9.*	-	11.*	-	-	3.1		1
41	-	-	1.11*	0.35*	1.07*	52.*	-	50.*	-	-	17.0	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	1.08*	0.42*	1.08*	51.*	45.*	49.*	-	-	10.0	35	9
44	-	-	1.16*	0.45*	1.16*	54.*	48.*	53.*	-	-	10.8	-	-
45	-	-	0.31*	0.16*	0.33*	14.*	-	14.*	-	-	3.1	39	69
46	-	-	1.32*	0.70*	1.39*	61.*	-	61.*	-	-	13.4	-	-
47	-	-	-	-	-	-	-	-	-	-	-		1
48	-	-	1.04*	0.21*	0.95*	48.*	-	59.*	-	-	20.7	-	-
49	-	-	-	-	-	-	-	-	-	-	-		1
50	-	-	1.12*	0.37*	1.09*	52.*	-	59.*	-	-	16.0	-	-
51	-	-	-	-	-	-	-	-	-	-	-		1
52	-	-	0.98*	0.07*	0.84*	45.*	-	50.*	-	-	9.7	-	-
53	-	-	-	-	-	-	-	-	-	-	-		2
54	-	-	-	-	-	-	-	61.	-	-	20.0	-	-
55	-	-	0.24*	0.12*	0.25*	11.*	-	11.*	-	-	1.6		1
56	-	-	1.26*	0.62*	1.32*	59.*	-	59.*	-	-	8.3	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-		1
60	-	-	-	-	-	-	-	59.*	-	-	22.4	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-		1
63	-	-	1.16*	0.46*	1.16*	55.*	-	59.*	-	-	15.8	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-		1
66	-	-	1.14*	0.42*	1.13*	54.*	-	57.*	-	-	12.7	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	26	20
71	-	-	1.32*	0.70*	1.40*	61.*	-	61.*	-	-	10.8	-	-
72	-	-	-	-	-	-	-	-	-	-	-	39	19
73	-	-	1.31*	0.69*	1.38*	61.*	-	61.*	-	-	11.9	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	0.98*	0.27*	0.93*	46.*	-	46.*	-	-	14.0	26	22
76	-	-	1.08*	0.30*	1.02*	51.*	-	51.*	-	-	15.4	-	-
77	-	-	0.30*	0.17*	0.32*	14.	-	12.	-	-	2.2	41	28
78	-	-	1.36*	0.76*	1.46*	63.	-	55.	-	-	10.3	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs
	%	%	%	%	%	%			%	%		
01	2.2*	2.1*	2.2*	-	-	7.6		1	0.2	0.13		1
02	9.0*	8.6*	9.2*	-	-	31.6	-	-	1.0	0.53	-	-
03	1.1*	1.1*	1.1*	-	-	6.4		1	0.4	0.04		1
04	5.3*	5.0*	5.2*	-	-	30.0	-	-	1.8	0.18	-	-
05	0.3*	0.3*	0.3*	-	-	-	-	-	-	-	-	-
06	1.0*	1.0*	1.0*	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-		1	-	-		1
09	5.0*	4.7*	4.8*	-	-	33.2	-	-	3.2	0.29	-	-
10	0.5*	0.4*	0.4*	-	-	7.8		1	0.4	0.09		1
11	2.1*	1.7*	1.6*	-	-	31.5	-	-	1.7	0.36	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	0.9*	0.8*	0.8*	-	-	9.0		1	0.8	-	-	-
14	3.0*	2.6*	2.6*	-	-	28.5	-	-	2.4	-	-	-
15	0.6*	0.5*	0.5*	-	-	6.0		1	0.5	-	-	-
16	2.7*	2.4*	2.3*	-	-	28.2	-	-	2.4	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	4.2*	4.6*	4.1*	-	-	35.1		3	3.8			2
31	4.6*	5.0*	4.5*	-	-	37.9	-	-	4.1		-	-
32	5.9*	6.3*	5.9*	-	-	31.9	7	28	1.5	-	-	-
33	6.5*	6.9*	6.5*	-	-	35.1	-	-	1.7	-	-	-
34	3.8*	4.2*	3.7*	-	-	35.5	3	16	1.3	-	-	-
35	4.1*	4.5*	4.0*	-	-	38.5	-	-	1.4	-	-	-
36	2.9*	3.3*	2.8*	-	-	40.6	4	12	0.9	-	-	-
37	3.1*	3.6*	3.0*	-	-	43.9	-	-	0.9	-	-	-
38	1.9*	1.8*	1.9*	-	-	6.5		1	0.4	0.11		1
39	9.8*	9.4*	10.0*	-	-	33.6	-	-	1.9	0.55	-	-
40	2.2*	2.2*	2.3*	-	-	4.8		1	0.5	0.06		1
41	12.4*	12.0*	12.8*	-	-	26.6	-	-	2.9	0.31	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	5.8*	6.2*	5.8*	-	-	25.8	16	9	2.2	1.52		1
44	6.3*	6.7*	6.2*	-	-	27.7	-	-	2.3	1.64	-	-
45	2.2*	2.1*	2.2*	-	-	6.3	22	11	0.4	0.10	98	38
46	9.3*	8.9*	9.5*	-	-	26.9	-	-	1.6	0.43	-	-
47	-	-	-	-	-	-		1	-	-	-	-
48	15.5*	15.1*	16.3*	-	-	21.1	-	-	3.1	-	-	-
49	-	-	-	-	-	-		1	-	-	-	-
50	11.5*	11.1*	11.9*	-	-	24.5	-	-	3.1	-	-	-
51	-	-	-	-	-	-		1	-	-	-	-
52	6.1*	5.8*	6.0*	-	-	24.4	-	-	2.0	-	-	-
53	-	-	-	-	-	-		1	-	-	-	-
54	14.9*	14.5*	12.4	-	-	39.3	-	-	4.3	-	-	-
55	0.9*	0.9*	0.9*	-	-	5.3		1	0.3	0.05		1
56	4.9*	4.6*	4.7*	-	-	27.5	-	-	1.7	0.28	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-		1	-	-	-	-
60	16.9*	16.5*	17.9*	-	-	19.2	-	-	3.8	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-		1	-	-	-	-
63	11.3*	10.9*	11.7*	-	-	22.4	-	-	2.7	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-		1	-	-	-	-
66	8.7*	8.3*	8.9*	-	-	25.3	-	-	2.2	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	6	20	-	-	-	-
71	7.1*	6.7*	7.1*	-	-	27.1	-	-	2.5	-	-	-
72	-	-	-	-	-	-	8	19	-	-	-	-
73	8.0*	7.6*	8.0*	-	-	27.6	-	-	2.3	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	9.3*	9.6*	9.4*	-	-	28.6	11	21	1.8	-	-	-
76	10.3*	10.6*	10.4*	-	-	31.5	-	-	1.9	-	-	-
77	1.4	1.4*	1.4	-	-	7.5	31	26	0.6	0.08	47	5
78	6.5	6.3*	6.5	-	-	34.5	-	-	2.8	0.35	-	-

Tables of [illegible]ed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	0.05		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-			2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	0.29	0.17		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	0.31	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	0.09	0.09	98	36	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-
46	0.39	0.37	-	-	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	0.06	0.07	53	4	-	-	-	-	2.3	-	-	680.0	-	-	-	-	-	-
78	0.27	0.33	-	-	-	-	-	-	10.4	-	-	125.0	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH, 25 TO 31 DAYS' GROWTH, (2)	2-09-412	31.8	0.85	-	-	-	0.70*	-	-
02			100.0	2.67	-	-	-	2.19*	-	-
03	-AERIAL PART, FRESH, 25	2-09-447	16.0	-	-	0.38*	-	-	-	0.31*
04	TO 31 DAYS' GROWTH, CUT 3, (2)		100.0	-	-	2.37*	-	-	-	1.95*
05	-AERIAL PART, FRESH, 25	2-09-448	18.0	0.40*	-	0.47*	-	0.33*	-	0.38*
06	TO 31 DAYS' GROWTH, CUT 4, (2)		100.0	2.25*	-	2.59*	-	1.84*	-	2.12*
07	-AERIAL PART, FRESH, 25	2-10-060	22.0	-	-	-	-	-	-	-
08	TO 31 DAYS' GROWTH, CUT 5, (2)		100.0	-	-	-	-	-	-	-
09	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-10-095	26.1	-	-	-	-	-	-	-
10			100.0	-	-	-	-	-	-	-
11	-AERIAL PART, FRESH, 39	2-10-068	14.9	0.28*	-	0.38*	-	0.23*	-	0.31*
12	TO 45 DAYS' GROWTH, CUT 1, (2)		100.0	1.87*	-	2.57*	-	1.54*	-	2.10*
13	-AERIAL PART, FRESH, 39	2-10-069	19.2	0.27*	-	0.49*	-	0.22*	-	0.41*
14	TO 45 DAYS' GROWTH, CUT 2, (2)		100.0	1.42*	-	2.57*	-	1.16*	-	2.11*
15	-AERIAL PART, FRESH, 39	2-10-070	27.0	0.30*	-	0.73*	-	0.25*	-	0.60*
16	TO 45 DAYS' GROWTH, CUT 3, (2)		100.0	1.11*	-	2.71*	-	0.91*	-	2.22*
17	-AERIAL PART, FRESH, 39	2-10-071	26.0	0.30*	-	0.67*	-	0.24*	-	0.55*
18	TO 45 DAYS' GROWTH, CUT 4, (2)		100.0	1.15*	-	2.60*	-	0.94*	-	2.13*
19	-AERIAL PART, FRESH, 39	2-10-072	15.8	0.25*	-	0.41*	-	0.21*	-	0.34*
20	TO 45 DAYS' GROWTH, CUT 5, (2)		100.0	1.59*	-	2.60*	-	1.31*	-	2.13*
21	-AERIAL PART, FRESH, 39	2-10-073	13.2	0.22*	-	0.34*	-	0.18*	-	0.28*
22	TO 45 DAYS' GROWTH, CUT 6, (2)		100.0	1.66*	-	2.61*	-	1.36*	-	2.14*
23	-AERIAL PART, FRESH, 39	2-10-074	15.4	0.24*	-	0.39*	-	0.20*	-	0.32*
24	TO 45 DAYS' GROWTH, CUT 7, (2)		100.0	1.55*	-	2.56*	-	1.27*	-	2.10*
25	-AERIAL PART, FRESH, 39	2-10-075	20.1	0.32*	-	0.53*	-	0.26*	-	0.43*
26	TO 45 DAYS' GROWTH, CUT 8, (2)		100.0	1.59*	-	2.64*	-	1.30*	-	2.16*
27	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-10-090	-	-	-	-	-	-	-	-
28			100.0	2.31	-	-	-	1.89*	-	-
29	-AERIAL PART, FRESH, 53	2-10-076	16.6	0.31*	-	0.41*	-	0.25*	-	0.34*
30	TO 59 DAYS' GROWTH, CUT 1, (2)		100.0	1.87*	-	2.47*	-	1.53*	-	2.03*
31	-AERIAL PART, FRESH, 53	2-10-077	19.5	0.28*	-	0.45*	-	0.23*	-	0.37*
32	TO 59 DAYS' GROWTH, CUT 2, (2)		100.0	1.42*	-	2.33*	-	1.16*	-	1.91*
33	-AERIAL PART, FRESH, 53	2-10-078	20.7	0.26*	-	0.52*	-	0.22*	-	0.42*
34	TO 59 DAYS' GROWTH, CUT 3, (2)		100.0	1.27*	-	2.49*	-	1.04*	-	2.04*
35	-AERIAL PART, FRESH, 53	2-10-080	14.4	0.28*	-	0.36*	-	0.23*	-	0.30*
36	TO 59 DAYS' GROWTH, CUT 5, (2)		100.0	1.96*	-	2.52*	-	1.61*	-	2.07*
37	-AERIAL PART, FRESH, 53	2-10-082	18.4	0.42*	-	0.47*	-	0.34*	-	0.38*
38	TO 59 DAYS' GROWTH, CUT 6, (2)		100.0	2.26*	-	2.53*	-	1.85*	-	2.08*
39	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-09-715	-	-	-	-	-	-	-	-
40			100.0	2.92*	-	2.63*	-	2.39*	-	2.16*
41	-AERIAL PART, FRESH, 81 TO 87 DAYS' GROWTH, (2)	2-10-091	-	-	-	-	-	-	-	-
42			100.0	2.18	-	-	-	1.79*	-	-
43	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-03-158	20.4	0.48*	-	0.48*	-	0.39*	-	0.40*
44			100.0	2.32*	-	2.36*	-	1.91*	-	1.94*
45	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-03-159	14.2	-	-	0.34*	-	-	-	0.28*
46			100.0	-	-	2.41*	-	-	-	1.97*
47	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-03-160	23.0	0.53*	-	0.58*	-	0.43*	-	0.47*
48			100.0	2.29*	-	2.52*	-	1.88*	-	2.06*
49	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-03-161	22.4	0.56*	-	0.51*	-	0.46*	-	0.42*
50			100.0	2.50*	-	2.26*	-	2.05*	-	1.85*
51	-AERIAL PART, FRESH, LATE BLOOM, (2)	2-03-162	23.0	0.53*	-	0.50*	-	0.43*	-	0.41*
52			100.0	2.30*	-	2.16*	-	1.89*	-	1.78*
53	-AERIAL PART, FRESH, RIPE SEED, (2)	2-03-164	26.7	-	-	0.67*	-	-	-	0.55*
54			100.0	-	-	2.52*	-	-	-	2.06*
55	-AERIAL PART, FRESH, CUT 1, (2)	2-10-432	13.2	0.37*	-	0.32*	-	0.30*	-	0.26*
56			100.0	2.78*	-	2.43*	-	2.28*	-	1.99*
57	-AERIAL PART, FRESH, CUT 7, (2)	2-09-701	-	-	-	-	-	-	-	-
58			100.0	2.42*	-	2.56*	-	1.98*	-	2.10*
59	-AERIAL PART, FRESH	2-10-436	-	-	-	-	-	-	-	-
60	CHOPPED FERTILIZED, 46 TO 52 DAYS'		100.0	2.29*	-	2.61*	-	1.88*	-	2.14*
61	GROWTH, (2)		-	-	-	-	-	-	-	-
62	-AERIAL PART, FRESH	2-10-356	-	-	-	-	-	-	-	-
63	CHOPPED FERTILIZED, 53 TO 59 DAYS'		100.0	2.34*	-	2.61*	-	1.92*	-	2.14*
64	GROWTH, (2)		-	-	-	-	-	-	-	-
65	-AERIAL PART, FRESH	2-10-355	-	-	-	-	-	-	-	-
66	CHOPPED FERTILIZED, JOINTING AND BOOT,		100.0	2.18*	-	2.33*	-	1.79*	-	1.91*
67	(2)		-	-	-	-	-	-	-	-
68	-AERIAL PART, FRESH	2-10-254	20.4	0.50*	-	0.51*	-	0.41*	-	0.42*
69	FERTILIZED, 32 TO 38 DAYS' GROWTH, (2)		100.0	2.46*	-	2.51*	-	2.02*	-	2.06*
70	-AERIAL PART, FRESH	2-10-268	20.9	0.47*	-	0.55*	-	0.38*	-	0.45*
71	FERTILIZED, 39 TO 45 DAYS' GROWTH, (2)		100.0	2.25*	-	2.62*	-	1.84*	-	2.15*
72	-AERIAL PART, FRESH	2-10-267	13.8	0.32*	-	0.34*	-	0.26*	-	0.28*
73	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.30*	-	2.49*	-	1.89*	-	2.04*
74	1, (2)		-	-	-	-	-	-	-	-
75	-AERIAL PART, FRESH	2-10-269	14.5	0.37*	-	0.38*	-	0.30*	-	0.31*
76	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.52*	-	2.58*	-	2.07*	-	2.12*
77	2, (2)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.41*	0.22*	0.44*	-	-	-	-	-	3.7	22	4
02	-	-	1.30*	0.68*	1.37*	-	-	-	-	-	11.7	-	-
03	-	-	-	-	-	-	-	9.*	-	-	2.0		1
04	-	-	-	-	-	-	-	54.*	-	-	12.2	-	-
05	-	-	0.20*	0.06*	0.19*	9.*	-	11.*	-	-	2.4		1
06	-	-	1.09*	0.32*	1.04*	51.*	-	59.*	-	-	13.2	-	-
07	-	-	-	-	-	-	-	-	-	-	2.7	17	4
08	-	-	-	-	-	-	-	-	-	-	12.2	-	-
09	-	-	-	-	-	-	-	-	-	-	2.9		2
10	-	-	-	-	-	-	-	-	-	-	10.9	-	-
11	-	-	0.14*		0.11*	6.	-	9.*	-	-	1.6		1
12	-	-	0.93*	0.05*	0.75*	43.	-	58.*	-	-	10.8	-	-
13	-	-	0.15*	0.11*	0.07*	6.	-	11.*	-	-	2.0		1
14	-	-	0.77*	0.60*	0.39*	32.	-	58.*	-	-	10.6	-	-
15	-	-	0.18*	0.27*	0.04*	7.	-	17.*	-	-	2.8		1
16	-	-	0.68*	1.02*	0.15*	25.	-	61.*	-	-	10.4	-	-
17	-	-	0.18*	0.24*	0.05*	7.	-	15.*	-	-	2.3		1
18	-	-	0.69*	0.97*	0.18*	26.	-	59.*	-	-	8.7	-	-
19	-	-	0.13*	0.05*	0.08*	6.	-	9.*	-	-	1.8		1
20	-	-	0.83*	0.37*	0.53*	36.	-	59.*	-	-	11.2	-	-
21	-	-	0.11*	0.03*	0.08*	5.	-	8.*	-	-	1.2		1
22	-	-	0.85*	0.29*	0.58*	38.	-	59.*	-	-	9.3	-	-
23	-	-	0.13*	0.06*	0.08*	5.	-	9.*	-	-	1.4		1
24	-	-	0.81*	0.43*	0.49*	35.	-	58.*	-	-	9.0	-	-
25	-	-	0.17*	0.07*	0.11*	7.	-	12.*	-	-	2.3		1
26	-	-	0.83*	0.38*	0.52*	36.	-	60.*	-	-	11.3	-	-
27	-	-	-	-	-	-	-	-	-	-	-		2
28	-	-	1.12*	0.37*	1.09*	-	-	-	-	-	11.1	-	-
29	-	-	0.15*		0.12*	7.	-	9.*	-	-	1.1		1
30	-	-	0.93*	0.06*	0.74*	42.	-	56.*	-	-	6.4	-	-
31	-	-	0.15*	0.11*	0.08*	6.	-	10.*	-	-	1.4		1
32	-	-	0.77*	0.59*	0.39*	32.	-	53.*	-	-	7.2	-	-
33	-	-	0.15*	0.16*	0.06*	6.	-	12.*	-	-	1.8		1
34	-	-	0.72*	0.79*	0.28*	29.	-	56.*	-	-	8.9	-	-
35	-	-	0.14*	0.01*	0.12*	6.	-	8.*	-	-	1.2		1
36	-	-	0.97*	0.04*	0.82*	45.	-	57.*	-	-	8.4	-	-
37	-	-	0.20*	0.06*	0.19*	9.	-	11.*	-	-	1.5		1
38	-	-	1.09*	0.33*	1.05*	51.	-	57.*	-	-	7.9	-	-
39	-	-	-	-	-	-	-	-	-	-	-		2
40	-	-	1.44*	0.86*	1.56*	66.*	-	60.*	-	-	9.0	-	-
41	-	-	-	-	-	-	-	-	-	-	-		2
42	-	-	1.06*	0.26*	0.99*	-	-	-	-	-	8.0	-	-
43	-	-	0.23*	0.08*	0.22*	11.*	-	11.	-	-	2.2	23	6
44	-	-	1.12*	0.39*	1.10*	53.*	-	54.	-	-	11.0	-	-
45	-	-	-	-	-	-	-	8▲*	-	-	1.8		1
46	-	-	-	-	-	-	-	55▲*	-	-	12.7	-	-
47	-	-	0.26*	0.08*	0.25*	12.*	-	13.*	-	-	2.1		1
48	-	-	1.11*	0.36*	1.07*	52.*	-	57.*	-	-	9.2	-	-
49	-	-	0.27*	0.12*	0.28*	13▲*	-	11▲*	-	-	1.3		1
50	-	-	1.21*	0.54*	1.24*	57▲*	-	51▲*	-	-	5.6	-	-
51	-	-	0.26*	0.08*	0.25*	12▲*	-	11▲	-	-	1.8		1
52	-	-	1.11*	0.37*	1.08*	52▲*	-	49▲	-	-	7.8	-	-
53	-	-	-	-	-	-	-	15.*	-	-	2.5		3
54	-	-	-	-	-	-	-	57.*	-	-	9.3	-	-
55	-	-	0.18*	0.10*	0.19*	8.*	-	7.*	-	-	1.8		1
56	-	-	1.36*	0.76*	1.46*	63.*	-	55.*	-	-	13.6	-	-
57	-	-	-	-	-	-	-	-	-	-	-		1
58	-	-	1.17*	0.47*	1.17*	55.*	-	58.*	-	-	9.9	-	-
59	-	-	-	-	-	-	-	-	-	-	-		1
60	-	-	1.11*	0.36*	1.07*	52.*	-	59.	-	-	6.7	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-		1
63	-	-	1.13*	0.40*	1.11*	53.*	-	59.	-	-	6.3	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-		3
66	-	-	1.06*	0.25*	0.99*	49.*	-	53.*	-	-	4.8	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	0.24*	0.10*	0.25*	11.*	-	12.*	-	-	2.0	4	6
69	-	-	1.19*	0.51*	1.21*	56.*	-	57.*	-	-	9.6	-	-
70	-	-	0.23*	0.07*	0.22*	11.	-	12.*	-	-	2.5	15	11
71	-	-	1.09*	0.32*	1.04*	51.	-	59.*	-	-	12.0	-	-
72	-	-	0.15*	0.05*	0.15*	7.*	-	8.*	-	-	1.0		2
73	-	-	1.11*	0.37*	1.08*	52.*	-	56.*	-	-	7.2	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	0.18*	0.08*	0.18*	8.*	-	9.*	-	-	1.2		2
76	-	-	1.22*	0.56*	1.25*	57.*	-	59.*	-	-	8.4	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	2.4	2.4*	2.5*	-	19.2	8.7		1	1.4	-	-	-
02	7.4	7.5*	7.9*	-	60.4	27.3	-	-	4.5	-	-	-
03	1.3*	1.3*	1.3*	-	-	4.8		1	0.9	-	-	-
04	8.3*	7.9*	8.4*	-	-	29.8	-	-	5.5	-	-	-
05	1.6*	1.6*	1.7*	-	-	5.1		1	0.8	-	-	-
06	9.1*	8.7*	9.3*	-	-	28.5	-	-	4.5	-	-	-
07	1.8*	1.7*	1.9*	-	-	-	-	-	-	0.07		1
08	8.3*	7.9*	8.4*	-	-	-	-	-	-	0.30	-	-
09	1.9*	1.8*	1.9*	-	13.7	7.0		1	1.3	-	-	-
10	7.2*	6.8*	7.2*	-	52.5	26.7	-	-	4.8	-	-	-
11	0.8	1.0*	1.1*	-	-	4.0		1	0.5	-	-	-
12	5.4	6.7*	7.1*	-	-	26.9	-	-	3.5	-	-	-
13	0.8	1.3*	1.3*	-	-	4.9		1	0.5	-	-	-
14	4.1	6.5*	6.9*	-	-	25.4	-	-	2.8	-	-	-
15	0.4	1.7*	1.8*	-	-	6.7		1	0.8	-	-	-
16	1.5	6.4*	6.7*	-	-	24.7	-	-	2.9	-	-	-
17	0.2	1.3*	1.3*	-	-	6.9		1	0.7	-	-	-
18	0.6	4.9*	5.1*	-	-	26.4	-	-	2.6	-	-	-
19	0.7	1.1*	1.2*	-	-	4.5		1	0.6	-	-	-
20	4.1	7.0*	7.4*	-	-	28.3	-	-	3.5	-	-	-
21	0.5	0.7*	0.7*	-	-	3.5		1	0.4	-	-	-
22	3.7	5.4*	5.7*	-	-	26.5	-	-	2.9	-	-	-
23	0.3	0.8*	0.8*	-	-	4.3		1	0.6	-	-	-
24	2.2	5.2*	5.4*	-	-	28.2	-	-	4.1	-	-	-
25	0.9	1.4*	1.5*	-	-	5.3		1	0.7	-	-	-
26	4.5	7.1*	7.5*	-	-	26.6	-	-	3.3	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	6.0	7.0*	7.3*	-	67.1	-	-	-	3.0	-	-	-
29	0.4	0.5*	0.5*	-	-	5.5		1	0.4	-	-	-
30	2.2	3.0*	3.0*	-	-	33.0	-	-	2.6	-	-	-
31	0.5	0.7*	0.7*	-	-	7.0		1	0.4	-	-	-
32	2.8	3.6*	3.7*	-	-	35.9	-	-	2.3	-	-	-
33	0.3	1.1*	1.1*	-	-	5.8		1	0.7	-	-	-
34	1.5	5.1*	5.3*	-	-	27.8	-	-	3.5	-	-	-
35	0.5	0.7*	0.7*	-	-	4.4		1	0.4	-	-	-
36	3.6	4.7*	4.8*	-	-	30.8	-	-	2.9	-	-	-
37	0.7	0.8*	0.8*	-	-	5.6		1	0.6	-	-	-
38	3.9	4.2*	4.4*	-	-	30.7	-	-	3.0	-	-	-
39	-	-	-	-	-	-		1	-	-	-	-
40	5.6*	5.2*	5.4*	-	-	29.5	-	-	4.0	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	4.2	4.3*	4.4*	-	69.9	-	-	-	2.8	-	-	-
43	1.5*	1.4*	1.3	-	-	6.1	9	6	0.5	0.08	12	4
44	7.2*	6.9*	6.4	-	-	29.9	-	-	2.6	0.38	-	-
45	1.2*	1.2*	1.3*	-	-	5.4		1	0.2	-	-	-
46	8.7*	8.3*	8.8*	-	-	38.0	-	-	1.4	-	-	-
47	1.3*	1.2*	1.3*	-	-	8.0		1	0.6	-	-	-
48	5.7*	5.3*	5.6*	-	-	34.9	-	-	2.5	-	-	-
49	0.6*	0.5*	0.5*	-	-	8.7		1	0.2	0.09		1
50	2.6*	2.3*	2.2*	-	-	38.7	-	-	0.9	0.40	-	-
51	1.0*	1.0*	0.8	-	-	9.0		1	0.3	-	-	-
52	4.5*	4.2*	3.6	-	-	39.0	-	-	1.1	-	-	-
53	1.5*	1.4*	1.5*	-	-	11.3		3	0.9	0.10		3
54	5.8*	5.4*	5.6*	-	-	42.4	-	-	3.5	0.38	-	-
55	1.2*	1.2*	1.3*	-	-	4.7		1	0.1	-	-	-
56	9.4*	9.1*	9.7*	-	-	35.5	-	-	1.1	-	-	-
57	-	-	-	-	-	-		1	-	-	-	-
58	6.3*	5.9*	6.2*	-	-	33.3	-	-	4.0	-	-	-
59	-	-	-	-	-	-		1	-	-	-	-
60	3.6*	3.2*	3.9	-	-	34.3	-	-	1.7	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-		1	-	-	-	-
63	3.2*	2.9*	3.4	-	-	37.8	-	-	1.5	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-		3	-	-	-	-
66	2.0*	1.6*	1.5*	-	-	32.7	-	-	2.0	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	1.2*	1.2*	1.2*	-	-	5.9	3	6	0.4	-	-	-
69	6.0*	5.7*	5.9*	-	-	28.6	-	-	1.9	-	-	-
70	1.4	1.6*	1.7*	-	-	6.1	10	8	0.7	-	-	-
71	6.5	7.7*	8.2*	-	-	29.2	-	-	3.2	-	-	-
72	0.6*	0.5*	0.5*	-	-	4.5		2	0.5	0.03		2
73	4.0*	3.6*	3.7*	-	-	32.3	-	-	3.3	0.22	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	0.7*	0.7*	0.7*	-	-	4.3		2	0.4	0.03		2
76	5.0*	4.7*	4.8*	-	-	29.6	-	-	2.7	0.24	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
02	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
03	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
05	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
06	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
07	0.03	0.05		1	0.40	–	–	–	–	–	–	–	–	–	–	–	–	–
08	0.14	0.24	–	–	1.80	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	0.08	48	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	0.39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	0.02	0.07		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	0.09	0.32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	0.17		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	0.63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
57	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	0.05		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	0.34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	0.06		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	0.39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART, FRESH	2-10-270	13.9	0.38*	-	0.37*	-	0.31*	-	0.30*
02	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.71*	-	2.66*	-	2.23*	-	2.18*
03	3, (2)		-	-	-	-	-	-	-	-
04	-AERIAL PART, FRESH	2-10-271	15.8	0.42*	-	0.42*	-	0.35*	-	0.34*
05	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.66*	-	2.64*	-	2.18*	-	2.17*
06	4, (2)		-	-	-	-	-	-	-	-
07	-AERIAL PART, FRESH	2-10-272	17.3	0.48*	-	0.46*	-	0.39*	-	0.38*
08	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.78*	-	2.67*	-	2.28*	-	2.19*
09	5, (2)		-	-	-	-	-	-	-	-
10	-AERIAL PART, FRESH	2-10-273	18.8	0.57*	-	0.51*	-	0.47*	-	0.42*
11	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	3.03*	-	2.73*	-	2.49*	-	2.24*
12	6, (2)		-	-	-	-	-	-	-	-
13	-AERIAL PART, FRESH	2-10-274	16.1	0.44*	-	0.44*	-	0.36*	-	0.36*
14	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.70*	-	2.70*	-	2.21*	-	2.21*
15	7, (2)		-	-	-	-	-	-	-	-
16	-AERIAL PART, FRESH	2-10-275	12.6	0.32*	-	0.33*	-	0.26*	-	0.27*
17	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.53*	-	2.61*	-	2.08*	-	2.14*
18	8, (2)		-	-	-	-	-	-	-	-
19	-AERIAL PART, FRESH	2-10-298	16.5	0.31*	-	0.44*	-	0.26*	-	0.36*
20	FERTILIZED, 53 TO 59 DAYS' GROWTH, (2)		100.0	1.89*	-	2.65*	-	1.55*	-	2.17*
21	-AERIAL PART, FRESH	2-10-299	17.8	0.38*	-	0.44*	-	0.32*	-	0.36*
22	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.15*	-	2.47*	-	1.77*	-	2.02*
23	1, (2)		-	-	-	-	-	-	-	-
24	-AERIAL PART, FRESH	2-10-300	15.4	0.38*	-	0.40*	-	0.31*	-	0.33*
25	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.46*	-	2.58*	-	2.02*	-	2.11*
26	2, (2)		-	-	-	-	-	-	-	-
27	-AERIAL PART, FRESH	2-10-301	16.2	0.42*	-	0.42*	-	0.34*	-	0.34*
28	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.58*	-	2.56*	-	2.11*	-	2.10*
29	3, (2)		-	-	-	-	-	-	-	-
30	-AERIAL PART, FRESH	2-10-302	18.0	0.47*	-	0.47*	-	0.39*	-	0.39*
31	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.61*	-	2.62*	-	2.14*	-	2.15*
32	4, (2)		-	-	-	-	-	-	-	-
33	-AERIAL PART, FRESH	2-10-303	18.7	0.50*	-	0.49*	-	0.41*	-	0.40*
34	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.69*	-	2.62*	-	2.21*	-	2.15*
35	5, (2)		-	-	-	-	-	-	-	-
36	-AERIAL PART, FRESH	2-10-304	13.9	0.33*	-	0.36*	-	0.27*	-	0.29*
37	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.40*	-	2.56*	-	1.97*	-	2.10*
38	6, (2)		-	-	-	-	-	-	-	-
39	-AERIAL PART, FRESH	2-10-566	-	-	-	-	-	-	-	-
40	FERTILIZED, 60 TO 66 DAYS' GROWTH, (2)		100.0	-	-	-	-	-	-	-
41	-AERIAL PART, FRESH	2-10-255	22.6	0.49*	-	0.54*	-	0.40*	-	0.45*
42	FERTILIZED, 67 TO 73 DAYS' GROWTH, (2)		100.0	2.18*	-	2.40*	-	1.79*	-	1.97*
43	-LEAVES, FRESH, 60 TO 66	2-10-434	27.2	0.65*	-	0.67*	-	0.53*	-	0.55*
44	DAYS' GROWTH, CUT 15, (2)		100.0	2.39*	-	2.45*	-	1.96*	-	2.01*
45	-LEAVES, FRESH	2-10-277	16.6	0.43*	-	0.44*	-	0.36*	-	0.36*
46	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.61*	-	2.65*	-	2.14*	-	2.17*
47	1, (2)		-	-	-	-	-	-	-	-
48	-LEAVES, FRESH	2-10-278	21.1	0.57*	-	0.56*	-	0.47*	-	0.46*
49	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.71*	-	2.66*	-	2.22*	-	2.18*
50	2, (2)		-	-	-	-	-	-	-	-
51	-LEAVES, FRESH	2-10-279	20.4	0.57*	-	0.57*	-	0.46*	-	0.47*
52	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.78*	-	2.80*	-	2.28*	-	2.30*
53	3, (2)		-	-	-	-	-	-	-	-
54	-LEAVES, FRESH	2-10-280	20.1	0.56*	-	0.55*	-	0.46*	-	0.45*
55	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.78*	-	2.75*	-	2.28*	-	2.26*
56	4, (2)		-	-	-	-	-	-	-	-
57	-LEAVES, FRESH	2-10-281	22.2	0.62*	-	0.61*	-	0.51*	-	0.50*
58	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.79*	-	2.76*	-	2.29*	-	2.27*
59	5, (2)		-	-	-	-	-	-	-	-
60	-LEAVES, FRESH	2-10-282	24.8	0.81*	-	0.70*	-	0.67*	-	0.57*
61	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	3.28*	-	2.82*	-	2.69*	-	2.31*
62	6, (2)		-	-	-	-	-	-	-	-
63	-LEAVES, FRESH	2-10-283	17.8	0.51*	-	0.52*	-	0.41*	-	0.42*
64	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.84*	-	2.89*	-	2.33*	-	2.37*
65	7, (2)		-	-	-	-	-	-	-	-
66	-LEAVES, FRESH	2-10-284	17.3	0.45*	-	0.47*	-	0.37*	-	0.39*
67	FERTILIZED, 39 TO 45 DAYS' GROWTH, CUT		100.0	2.62*	-	2.74*	-	2.15*	-	2.25*
68	8, (2)		-	-	-	-	-	-	-	-
69	-LEAVES, FRESH	2-10-292	20.1	0.52*	-	0.53*	-	0.42*	-	0.43*
70	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.57*	-	2.62*	-	2.11*	-	2.15*
71	1, (2)		-	-	-	-	-	-	-	-
72	-LEAVES, FRESH	2-10-293	20.5	0.61*	-	0.55*	-	0.50*	-	0.45*
73	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.96*	-	2.69*	-	2.43*	-	2.20*
74	2, (2)		-	-	-	-	-	-	-	-
75	-LEAVES, FRESH	2-10-294	22.6	0.64*	-	0.61*	-	0.53*	-	0.50*
76	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.85*	-	2.69*	-	2.34*	-	2.20*
77	3, (2)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.18*	0.10*	0.20*	9.*	-	8.*	-	-	1.5		2
02	-	-	1.32*	0.71*	1.40*	62.*	-	60.*	-	-	10.9	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.20*	0.11*	0.22*	10.*	-	10.*	-	-	1.8		2
05	-	-	1.29*	0.67*	1.36*	60.*	-	60.*	-	-	11.3	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	0.23*	0.13*	0.25*	11.*	-	10.*	-	-	2.0		2
08	-	-	1.36*	0.76*	1.46*	63.*	-	61.*	-	-	11.5	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.28*	0.18*	0.31*	13.*	-	12.*	-	-	2.1		2
11	-	-	1.51*	0.94*	1.65*	69.*	-	62.*	-	-	11.0	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	0.21*	0.11*	0.22*	10.*	-	10.*	-	-	2.2		2
14	-	-	1.31*	0.70*	1.39*	61.*	-	61.*	-	-	13.5	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	0.15*	0.07*	0.16*	7.*	-	7.*	-	-	1.4		2
17	-	-	1.23*	0.57*	1.26*	57.*	-	59.*	-	-	10.8	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	0.15*		0.13*	7.	-	10.*	-	-	2.0	14	6
20	-	-	0.94*	0.03*	0.76*	43.	-	60.*	-	-	11.9	-	-
21	-	-	0.19*	0.04*	0.17*	9.*	-	10.*	-	-	1.0		2
22	-	-	1.05*	0.23*	0.97*	49.*	-	56.*	-	-	5.8	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	0.18*	0.06*	0.19*	9.*	-	9.*	-	-	1.0		2
25	-	-	1.19*	0.51*	1.21*	56.*	-	58.*	-	-	6.7	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	0.20*	0.10*	0.21*	9.*	-	9.*	-	-	1.3		2
28	-	-	1.25*	0.60*	1.30*	58.*	-	58.*	-	-	8.0	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	0.23*	0.11*	0.24*	11.*	-	11.*	-	-	1.6		2
31	-	-	1.27*	0.63*	1.32*	59.*	-	59.*	-	-	8.7	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	0.25*	0.13*	0.26*	11.*	-	11.*	-	-	1.3		2
34	-	-	1.31*	0.70*	1.39*	61.*	-	59.*	-	-	6.9	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	0.16*	0.06*	0.16*	8.*	-	8.*	-	-	1.2		2
37	-	-	1.16*	0.45*	1.16*	54.*	-	58.*	-	-	8.4	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-		3
40	-	-	-	-	-	-	-	-	-	-	7.7	-	-
41	-	-	0.24*	0.06*	0.22*	11.*	-	12.*	-	-	1.0	6	5
42	-	-	1.06*	0.26*	0.99*	50.*	-	54.*	-	-	4.6	-	-
43	-	-	0.31*	0.12*	0.31*	15.*	-	15.*	-	-	1.6		1
44	-	-	1.15*	0.45*	1.15*	54.*	-	56.*	-	-	6.0	-	-
45	-	-	0.21*	0.10*	0.22*	10.*	-	10.*	-	-	2.0		1
46	-	-	1.27*	0.63*	1.32*	59.*	-	60.*	-	-	11.9	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	0.28*	0.15*	0.30*	13.*	-	13.*	-	-	2.4		1
49	-	-	1.32*	0.71*	1.40*	61.*	-	60.*	-	-	11.5	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	0.28*	0.15*	0.30*	13.*	-	13.*	-	-	3.5		1
52	-	-	1.36*	0.76*	1.45*	63.*	-	64.*	-	-	17.4	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	0.27*	0.15*	0.29*	13.*	-	13.*	-	-	3.1		1
55	-	-	1.36*	0.76*	1.46*	63.*	-	62.*	-	-	15.5	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	0.30*	0.17*	0.33*	14.*	-	14.*	-	-	3.5		1
58	-	-	1.37*	0.77*	1.46*	63.*	-	63.*	-	-	15.8	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.42*	0.27*	0.46*	18.*	-	16.*	-	-	3.2		1
61	-	-	1.68*	1.10*	1.85*	74.*	-	64.*	-	-	13.0	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	0.25*	0.14*	0.27*	11.*	-	12.*	-	-	3.6		1
64	-	-	1.39*	0.80*	1.50*	64.*	-	66.*	-	-	20.3	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	0.22*	0.11*	0.23*	10.*	-	11.*	-	-	2.7		1
67	-	-	1.27*	0.64*	1.33*	59.*	-	62.*	-	-	15.7	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	0.25*	0.12*	0.26*	12.*	-	12.*	-	-	2.3		1
70	-	-	1.24*	0.60*	1.29*	58.*	-	60.*	-	-	11.4	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	0.30*	0.18*	0.33*	14.*	-	13.*	-	-	2.3		1
73	-	-	1.47*	0.89*	1.60*	67.*	-	61.*	-	-	11.1	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	0.32*	0.18*	0.34*	15.*	-	14.*	-	-	2.8		1
76	-	-	1.40*	0.81*	1.51*	65.*	-	61.*	-	-	12.5	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Phosphorus	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.0*	1.0*	1.0*	-	-	3.8		2	0.5	0.05		2
02	7.2*	6.8*	7.2*	-	-	27.2	-	-	3.3	0.35	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	1.2*	1.1*	1.2*	-	-	4.3		2	0.5	0.05		2
05	7.5*	7.2*	7.6*	-	-	27.3	-	-	3.3	0.32	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	1.3*	1.3*	1.3*	-	-	4.7		2	0.6	0.06		2
08	7.7*	7.3*	7.8*	-	-	27.4	-	-	3.7	0.36	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	1.4*	1.3*	1.4*	-	-	4.9		2	0.7	0.07		2
11	7.2*	6.9*	7.2*	-	-	25.9	-	-	3.6	0.35	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	1.5*	1.5*	1.5*	-	-	4.5		2	0.5	-	-	-
14	9.4*	9.0*	9.6*	-	-	28.1	-	-	2.9	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	0.9*	0.8*	0.9*	-	-	3.8		2	0.4	-	-	-
17	7.1*	6.7*	7.1*	-	-	30.4	-	-	2.9	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	1.1	1.3*	1.3*	-	-	4.8	11	6	0.6	-	-	-
20	6.7	7.6*	8.0*	-	-	29.2	-	-	3.4	-	-	-
21	0.5*	0.4*	0.4*	-	-	6.4		2	0.5	0.04		2
22	2.9*	2.5*	2.4*	-	-	35.7	-	-	2.6	0.21	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	0.6*	0.5*	0.5*	-	-	4.9		2	0.4	0.02		2
25	3.6*	3.2*	3.2*	-	-	31.5	-	-	2.5	0.16	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	0.8*	0.7*	0.7*	-	-	5.0		2	0.6	0.04		2
28	4.7*	4.4*	4.5*	-	-	30.8	-	-	3.6	0.26	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	1.0*	0.9*	0.9*	-	-	5.3		2	0.5	0.05		2
31	5.3*	4.9*	5.1*	-	-	29.2	-	-	2.9	0.29	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	0.7*	0.6*	0.6*	-	-	5.2		2	0.5	0.06		2
34	3.8*	3.4*	3.4*	-	-	27.8	-	-	2.9	0.31	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	0.7*	0.6*	0.7*	-	-	4.6		2	0.3	0.03		2
37	5.0*	4.7*	4.8*	-	-	32.7	-	-	2.5	0.21	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-		1
40	4.4*	4.1*	4.2*	-	-	-	-	-	-	0.38	-	-
41	0.4*	0.3*	0.3*	-	-	7.9	1	5	0.4	-	-	-
42	1.8*	1.5*	1.3*	-	-	34.8	-	-	1.9	-	-	-
43	0.8*	0.7*	0.7*	-	-	8.2		1	0.5	0.20		1
44	3.0*	2.6*	2.6*	-	-	30.2	-	-	1.7	0.72	-	-
45	1.3*	1.3*	1.3*	-	-	4.7		1	0.5	0.06		2
46	8.0*	7.6*	8.1*	-	-	28.3	-	-	2.9	0.33	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	1.6*	1.5*	1.6*	-	-	6.0		1	0.7	0.08		2
49	7.7*	7.3*	7.7*	-	-	28.4	-	-	3.5	0.37	-	-
50	-	-	-	-	-	-	-	-	-	-		-
51	2.6*	2.5*	2.7*	-	-	5.4		1	0.8	0.08		2
52	12.7*	12.3*	13.2*	-	-	26.5	-	-	3.9	0.38	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	2.2*	2.1*	2.3*	-	-	5.0		1	0.7	0.07		2
55	11.1*	10.7*	11.4*	-	-	24.8	-	-	3.5	0.35	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	2.5*	2.4*	2.6*	-	-	5.9		1	0.8	0.08		2
58	11.3*	10.9*	11.7*	-	-	26.4	-	-	3.4	0.37	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	2.2*	2.1*	2.3*	-	-	5.8		1	1.0	0.10		2
61	8.9*	8.6*	9.1*	-	-	23.2	-	-	3.9	0.38	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	2.7*	2.6*	2.8*	-	-	4.8		1	0.7	-	-	-
64	15.1*	14.8*	15.9*	-	-	27.2	-	-	3.9	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	1.9*	1.9*	2.0*	-	-	5.2		1	0.7	-	-	-
67	11.2*	10.9*	11.6*	-	-	30.2	-	-	4.0	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	1.5*	1.4*	1.5*	-	-	6.0		1	0.7	0.07		2
70	7.6*	7.2*	7.6*	-	-	29.8	-	-	3.5	0.36	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	1.5*	1.4*	1.5*	-	-	6.0		1	0.8	0.06		2
73	7.3*	7.0*	7.3*	-	-	29.1	-	-	4.1	0.29	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	1.9*	1.8*	2.0*	-	-	6.4		1	1.0	0.08		2
76	8.5*	8.1*	8.6*	-	-	28.1	-	-	4.3	0.35	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	0.07		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	0.04		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	0.04		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	0.03		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	0.25	0.25	-	-	2.78	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	0.07		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.08		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.07		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	0.07		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.08		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.07	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	0.30	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-LEAVES, FRESH	2-10-295	23.2	0.65*	-	0.63*	-	0.53*	-	0.52*
02	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.81*	-	2.71*	-	2.30*	-	2.22*
03	4, (2)		-	-	-	-	-	-	-	-
04	-LEAVES, FRESH	2-10-296	23.3	0.64*	-	0.63*	-	0.53*	-	0.51*
05	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.75*	-	2.68*	-	2.25*	-	2.20*
06	5, (2)		-	-	-	-	-	-	-	-
07	-LEAVES, FRESH	2-10-297	21.5	0.54*	-	0.57*	-	0.45*	-	0.47*
08	FERTILIZED, 53 TO 59 DAYS' GROWTH, CUT		100.0	2.53*	-	2.65*	-	2.08*	-	2.17*
09	6, (2)		-	-	-	-	-	-	-	-
10	-LEAVES, FRESH	2-10-364	22.9	0.56*	-	0.58*	-	0.46*	-	0.48*
11	FERTILIZED, 60 TO 66 DAYS' GROWTH, CUT		100.0	2.46*	-	2.53*	-	2.02*	-	2.08*
12	14, (2)		-	-	-	-	-	-	-	-
13	-STEMS, FRESH FERTILIZED,	2-10-362	17.1	0.41*	-	0.40*	-	0.34*	-	0.33*
14	60 TO 66 DAYS' GROWTH, CUT 13, (2)		100.0	2.39*	-	2.33*	-	1.96*	-	1.91*
15	-STEMS, FRESH FERTILIZED,	2-10-363	13.8	0.34*	-	0.35*	-	0.28*	-	0.29*
16	60 TO 66 DAYS' GROWTH, CUT 14, (2)		100.0	2.48*	-	2.53*	-	2.03*	-	2.07*
17	-STEMS, FRESH FERTILIZED,	2-10-433	13.2	0.32*	-	0.32*	-	0.26*	-	0.26*
18	60 TO 66 DAYS' GROWTH, CUT 15, (2)		100.0	2.41*	-	2.41*	-	1.98*	-	1.98*
19	-AERIAL PART, ENSILED, (3)	3-03-170	23.7	0.52*	-	-	-	0.42*	-	-
20			100.0	2.18*	-	-	-	1.79*	-	-
21	PENNISETUM PURPUREUM, DWARF, NAPIERGRASS		-	-	-	-	-	-	-	-
22	-DWARF, AERIAL PART, FRESH, (2)	2-11-330	31.8	0.61*	-	0.77*	-	0.50*	-	0.63*
23			100.0	1.92*	-	2.41*	-	1.58*	-	1.98*
24	-DWARF, AERIAL PART,	2-09-435	12.0	-	-	0.34*	-	-	-	0.28*
25	FRESH, 25 TO 31 DAYS' GROWTH, CUT 1,		100.0	-	-	2.80*	-	-	-	2.29*
26	(2)		-	-	-	-	-	-	-	-
27	-DWARF, AERIAL PART,	2-09-436	12.0	-	-	0.30*	-	-	-	0.25*
28	FRESH, 25 TO 31 DAYS' GROWTH, CUT 2,		100.0	-	-	2.51*	-	-	-	2.06*
29	(2)		-	-	-	-	-	-	-	-
30	-DWARF, AERIAL PART,	2-09-437	14.0	0.30*	-	0.37*	-	0.25*	-	0.30*
31	FRESH, 25 TO 31 DAYS' GROWTH, CUT 3,		100.0	2.15*	-	2.61*	-	1.76*	-	2.14*
32	(2)		-	-	-	-	-	-	-	-
33	-DWARF, AERIAL PART,	2-09-438	18.0	0.37*	-	0.40*	-	0.30*	-	0.33*
34	FRESH, 25 TO 31 DAYS' GROWTH, CUT 4,		100.0	2.29*	-	2.53*	-	1.87*	-	2.07*
35	(2)		-	-	-	-	-	-	-	-
36	-DWARF, AERIAL PART,	2-09-439	12.0	0.29*	-	0.31*	-	0.24*	-	0.25*
37	FRESH, 25 TO 31 DAYS' GROWTH, CUT 5,		100.0	2.41*	-	2.56*	-	1.97*	-	2.10*
38	(2)		-	-	-	-	-	-	-	-
39	-DWARF, AERIAL PART,	2-09-440	11.0	0.21*	-	0.27*	-	0.17*	-	0.22*
40	FRESH, 25 TO 31 DAYS' GROWTH, CUT 6,		100.0	1.91*	-	2.45*	-	1.57*	-	2.01*
41	(2)		-	-	-	-	-	-	-	-
42	-DWARF, AERIAL PART,	2-09-441	11.0	-	-	0.27*	-	-	-	0.22*
43	FRESH, 25 TO 31 DAYS' GROWTH, CUT 7,		100.0	-	-	2.44*	-	-	-	2.00*
44	(2)		-	-	-	-	-	-	-	-
45	-DWARF, AERIAL PART,	2-09-442	12.0	-	-	0.31*	-	-	-	0.26*
46	FRESH, 25 TO 31 DAYS' GROWTH, CUT 8,		100.0	-	-	2.62*	-	-	-	2.15*
47	(2)		-	-	-	-	-	-	-	-
48	-DWARF, AERIAL PART,	2-09-443	14.0	-	-	0.34*	-	-	-	0.28*
49	FRESH, 25 TO 31 DAYS' GROWTH, CUT 9,		100.0	-	-	2.46*	-	-	-	2.02*
50	(2)		-	-	-	-	-	-	-	-
51	-DWARF, AERIAL PART,	2-09-444	15.0	0.35*	-	0.38*	-	0.29*	-	0.32*
52	FRESH, 25 TO 31 DAYS' GROWTH, CUT 10,		100.0	2.35*	-	2.56*	-	1.93*	-	2.10*
53	(2)		-	-	-	-	-	-	-	-
54	-DWARF, AERIAL PART,	2-09-445	16.0	0.35*	-	0.39*	-	0.29*	-	0.32*
55	FRESH, 25 TO 31 DAYS' GROWTH, CUT 11,		100.0	2.21*	-	2.45*	-	1.81*	-	2.01*
56	(2)		-	-	-	-	-	-	-	-
57	-DWARF, AERIAL PART,	2-09-446	17.0	0.37*	-	0.43*	-	0.31*	-	0.36*
58	FRESH, 25 TO 31 DAYS' GROWTH, CUT 12,		100.0	2.19*	-	2.55*	-	1.80*	-	2.09*
59	(2)		-	-	-	-	-	-	-	-
60	-DWARF, AERIAL PART, FRESH, CUT 4, (2)	2-11-318	34.7	0.57*	-	0.81*	-	0.47*	-	0.67*
61			100.0	1.65*	-	2.34*	-	1.35*	-	1.92*
62	PENNISETUM PURPUREUM, MERKERON, NAPIERGRASS		-	-	-	-	-	-	-	-
63	-MERKERON, AERIAL PART,	2-09-421	18.0	0.40*	-	0.45*	-	0.33*	-	0.37*
64	FRESH, 25 TO 31 DAYS' GROWTH, CUT 1,		100.0	2.21*	-	2.50*	-	1.81*	-	2.05*
65	(2)		-	-	-	-	-	-	-	-
66	-MERKERON, AERIAL PART,	2-09-422	17.0	0.38*	-	0.42*	-	0.31*	-	0.34*
67	FRESH, 25 TO 31 DAYS' GROWTH, CUT 2,		100.0	2.24*	-	2.45*	-	1.84*	-	2.01*
68	(2)		-	-	-	-	-	-	-	-
69	-MERKERON, AERIAL PART,	2-09-423	16.0	-	-	0.39*	-	-	-	0.32*
70	FRESH, 25 TO 31 DAYS' GROWTH, CUT 3,		100.0	-	-	2.43*	-	-	-	1.99*
71	(2)		-	-	-	-	-	-	-	-
72	-MERKERON, AERIAL PART,	2-09-424	15.0	0.33*	-	0.39*	-	0.27*	-	0.32*
73	FRESH, 25 TO 31 DAYS' GROWTH, CUT 5,		100.0	2.22*	-	2.58*	-	1.82*	-	2.11*
74	(2)		-	-	-	-	-	-	-	-
75	-MERKERON, AERIAL PART,	2-09-425	16.0	-	-	0.41*	-	-	-	0.34*
76	FRESH, 25 TO 31 DAYS' GROWTH, CUT 6,		100.0	-	-	2.57*	-	-	-	2.11*
77	(2)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.32*	0.18*	0.34*	15.*	-	14.*	-	-	2.9		1
02	-	-	1.37*	0.78*	1.48*	64.*	-	61.*	-	-	12.4	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.31*	0.17*	0.33*	15.*	-	14.*	-	-	2.6		1
05	-	-	1.34*	0.74*	1.43*	62.*	-	61.*	-	-	11.3	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	0.26*	0.12*	0.27*	12.*	-	13.*	-	-	2.7		1
08	-	-	1.23*	0.57*	1.26*	57.*	-	60.*	-	-	12.5	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	0.27*	0.12*	0.28*	13.*	-	13.*	-	-	1.5	11	6
11	-	-	1.19*	0.51*	1.21*	56.*	-	57.*	-	-	6.4	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	0.20*	0.08*	0.20*	9.*	-	9.*	-	-	0.8		1
14	-	-	1.15*	0.45*	1.15*	54.*	-	53.*	-	-	4.5	-	-
15	-	-	0.17*	0.07*	0.17*	8.*	-	8.*	-	-	0.4	34	6
16	-	-	1.20*	0.52*	1.22*	56.*	-	57.*	-	-	3.1	-	-
17	-	-	0.15*	0.06*	0.15*	7.*	-	7.*	-	-	0.5		1
18	-	-	1.17*	0.47*	1.17*	55.*	-	55.*	-	-	3.8	-	-
19	-	-	0.25*	0.06*	0.23*	12.*	-	-	-	-	1.4	30	9
20	-	-	1.06*	0.25*	0.99*	49.*	-	-	-	-	5.8	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	0.30*		0.25*	14.*	-	17.*	-	-	2.1		1
23	-	-	0.95*		0.79*	44.*	-	55.*	-	-	6.6	-	-
24	-	-	-	-	-	-	-	8.*	-	-	2.0		1
25	-	-	-	-	-	-	-	63.*	-	-	16.6	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	7.*	-	-	1.8		1
28	-	-	-	-	-	-	-	57.*	-	-	14.7	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	0.15*	0.03*	0.13*	7.*	-	8.*	-	-	2.2		1
31	-	-	1.04*	0.22*	0.96*	49.*	-	59.*	-	-	16.1	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	0.18*	0.06*	0.17*	8.*	-	9.*	-	-	1.8		1
34	-	-	1.11*	0.35*	1.07*	52.*	-	57.*	-	-	11.1	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	0.14*	0.06*	0.14*	7.*	-	7.*	-	-	1.3		1
37	-	-	1.16*	0.46*	1.16*	55.*	-	58.*	-	-	10.8	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	0.10*		0.09*	5.*	-	6.*	-	-	1.3		1
40	-	-	0.95*		0.78*	43.*	-	56.*	-	-	12.1	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	6.*	-	-	1.3		1
43	-	-	-	-	-	-	-	55.*	-	-	11.7	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	7.*	-	-	2.1		1
46	-	-	-	-	-	-	-	59.*	-	-	17.7	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	8.*	-	-	1.7		1
49	-	-	-	-	-	-	-	56.*	-	-	12.4	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	0.17*	0.06*	0.17*	8.*	-	9.*	-	-	1.9		1
52	-	-	1.14*	0.41*	1.12*	53.*	-	58.*	-	-	12.5	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	0.17*	0.05*	0.16*	8.*	-	9.*	-	-	1.7		1
55	-	-	1.07*	0.28*	1.01*	50.*	-	56.*	-	-	10.5	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	0.18*	0.05*	0.17*	8.*	-	10.*	-	-	2.2		1
58	-	-	1.06*	0.27*	1.00*	50.*	-	58.*	-	-	13.1	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.29*	0.10*	0.20*	13.*	-	18.*	-	-	1.2		1
61	-	-	0.85*	0.31*	0.57*	37.*	-	53.*	-	-	3.4	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	0.19*	0.05*	0.18*	9.*	-	10.*	-	-	2.0		1
64	-	-	1.07*	0.29*	1.01*	50.*	-	57.*	-	-	11.4	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	0.18*	0.05*	0.18*	9.*	-	9.*	-	-	1.6		1
67	-	-	1.08*	0.31*	1.03*	51.*	-	56.*	-	-	9.5	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	9.*	-	-	1.7		1
70	-	-	-	-	-	-	-	55.*	-	-	10.3	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	0.16*	0.04*	0.15*	8.*	-	9.*	-	-	2.0		1
73	-	-	1.08*	0.29*	1.02*	50.*	-	58.*	-	-	13.7	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	9.*	-	-	2.4		1
76	-	-	-	-	-	-	-	58.*	-	-	15.3	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	2.0*	1.9*	2.0*	-	-	6.3		1	0.8	0.06		2
02	8.4*	8.1*	8.5*	-	-	27.1	-	-	3.3	0.28	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	1.7*	1.7*	1.8*	-	-	6.1		1	0.7	0.10		2
05	7.5*	7.1*	7.5*	-	-	26.2	-	-	3.0	0.41	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	1.8*	1.8*	1.9*	-	-	6.7		1	0.7	0.06		2
08	8.5*	8.1*	8.6*	-	-	31.3	-	-	3.4	0.29	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	0.8*	0.7*	0.7*	-	-	6.5	1	6	0.5	0.06	11	6
11	3.4*	3.0*	3.0*	-	-	28.3	-	-	2.3	0.27	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	0.3*	0.2*	0.2*	-	-	6.2		1	0.2	0.03		1
14	1.7*	1.4*	1.2*	-	-	36.0	-	-	0.9	0.19	-	-
15	0.1*			-	-	4.0	3	6	0.2	0.02	43	6
16	0.6*	0.2*		-	-	29.1	-	-	1.2	0.12	-	-
17	0.1*	0.1*	0.1*	-	-	4.1		1	0.2	0.03		1
18	1.1*	0.8*	0.5*	-	-	31.0	-	-	1.2	0.23	-	-
19	0.3*	0.3*	0.3*	-	-	9.4	6	5	0.9	-	-	-
20	1.5*	1.5*	1.5*	-	-	39.5	-	-	3.7	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	1.1*	1.0*	1.0*	-	-	13.2		1	0.8	0.01		1
23	3.5*	3.1*	3.1*	-	-	41.6	-	-	2.6	0.04	-	-
24	1.4*	1.4*	1.5*	-	-	3.0		1	0.7	-	-	-
25	12.0*	11.6*	12.5*	-	-	25.0	-	-	5.4	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	1.2*	1.2*	1.3*	-	-	3.8		1	0.4	-	-	-
28	10.4*	10.0*	10.7*	-	-	31.6	-	-	3.2	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	1.6*	1.6*	1.7*	-	-	3.7		1	0.6	-	-	-
31	11.5*	11.2*	12.0*	-	-	26.5	-	-	3.9	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	1.2*	1.1*	1.2*	-	-	4.9		1	0.5	-	-	-
34	7.3*	7.0*	7.3*	-	-	30.4	-	-	3.2	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	0.8*	0.8*	0.8*	-	-	3.6		1	0.4	-	-	-
37	7.0*	6.7*	7.0*	-	-	30.0	-	-	3.7	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	0.9*	0.9*	0.9*	-	-	3.1		1	0.4	-	-	-
40	8.2*	7.8*	8.3*	-	-	28.5	-	-	3.7	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	0.9*	0.8*	0.9*	-	-	4.0		1	0.3	-	-	-
43	7.8*	7.4*	7.9*	-	-	36.2	-	-	2.9	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	1.6*	1.5*	1.6*	-	-	4.5		1	0.4	-	-	-
46	12.9*	12.6*	13.5*	-	-	37.9	-	-	3.4	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	1.2*	1.1*	1.2*	-	-	4.4		1	0.5	-	-	-
49	8.4*	8.1*	8.6*	-	-	31.6	-	-	3.8	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	1.3*	1.2*	1.3*	-	-	4.2		1	0.5	-	-	-
52	8.5*	8.2*	8.7*	-	-	28.1	-	-	3.3	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	1.1*	1.0*	1.1*	-	-	4.6		1	0.4	-	-	-
55	6.9*	6.5*	6.8*	-	-	28.8	-	-	2.7	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	1.5*	1.5*	1.6*	-	-	4.9		1	0.7	-	-	-
58	9.0*	8.6*	9.2*	-	-	28.8	-	-	3.8	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	0.3*	0.1*	0.1*	-	-	14.6		1	1.1	0.10		1
61	0.8*	0.4*	0.2*	-	-	41.9	-	-	3.2	0.30	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	1.4*	1.3*	1.4*	-	-	5.5		1	0.6	-	-	-
64	7.5*	7.2*	7.6*	-	-	30.8	-	-	3.1	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	1.0*	0.9*	1.0*	-	-	5.8		1	0.4	-	-	-
67	5.9*	5.6*	5.8*	-	-	34.2	-	-	2.4	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	1.1*	1.0*	1.1*	-	-	4.7		1	0.9	-	-	-
70	6.7*	6.3*	6.6*	-	-	29.6	-	-	5.5	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	1.4*	1.4*	1.5*	-	-	4.6		1	0.5	-	-	-
73	9.5*	9.1*	9.7*	-	-	30.6	-	-	3.7	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	1.7*	1.7*	1.8*	-	-	5.4		1	0.6	-	-	-
76	10.9*	10.5*	11.2*	-	-	34.0	-	-	3.8	-	-	-
77	-	-	-	-	-	-	-	-	-	-		

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	0.06		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	0.05		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.03	17	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	0.02	32	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.10		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	Kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-MERKERON, AERIAL PART,	2-09-426	13.0	-	-	0.32*	-	-	-	0.26*
02	FRESH, 25 TO 31 DAYS' GROWTH, CUT 7,		100.0	-	-	2.48*	-	-	-	2.04*
03	(2)		-	-	-	-	-	-	-	-
04	-MERKERON, AERIAL PART,	2-09-427	23.0	0.52*	-	0.59*	-	0.42*	-	0.48*
05	FRESH, 39 TO 45 DAYS' GROWTH, CUT 5,		100.0	2.24*	-	2.56*	-	1.84*	-	2.10*
06	(2)		-	-	-	-	-	-	-	-
07	-MERKERON, AERIAL PART,	2-09-428	19.0	-	-	0.44*	-	-	-	0.36*
08	FRESH, 39 TO 45 DAYS' GROWTH, CUT 6,		100.0	-	-	2.34*	-	-	-	1.92*
09	(2)		-	-	-	-	-	-	-	-
10	-MERKERON, AERIAL PART,	2-09-429	20.0	-	-	0.49*	-	-	-	0.40*
11	FRESH, 53 TO 59 DAYS' GROWTH, CUT 1,		100.0	-	-	2.44*	-	-	-	2.00*
12	(2)		-	-	-	-	-	-	-	-
13	-MERKERON, AERIAL PART,	2-09-430	12.0	0.27*	-	0.30*	-	0.22*	-	0.24*
14	FRESH, 53 TO 59 DAYS' GROWTH, CUT 2,		100.0	2.26*	-	2.49*	-	1.85*	-	2.04*
15	(2)		-	-	-	-	-	-	-	-
16	-MERKERON, AERIAL PART,	2-09-431	14.0	0.28*	-	0.33*	-	0.23*	-	0.27*
17	FRESH, 53 TO 59 DAYS' GROWTH, CUT 3,		100.0	1.97*	-	2.37*	-	1.62*	-	1.95*
18	(2)		-	-	-	-	-	-	-	-
19	-MERKERON, AERIAL PART,	2-09-432	13.0	-	-	0.32*	-	-	-	0.26*
20	FRESH, 53 TO 59 DAYS' GROWTH, CUT 4,		100.0	-	-	2.48*	-	-	-	2.04*
21	(2)		-	-	-	-	-	-	-	-
22	-MERKERON, AERIAL PART,	2-09-433	19.0	0.42*	-	0.45*	-	0.35*	-	0.37*
23	FRESH, 53 TO 59 DAYS' GROWTH, CUT 5,		100.0	2.22*	-	2.37*	-	1.82*	-	1.95*
24	(2)		-	-	-	-	-	-	-	-
25	-MERKERON, AERIAL PART,	2-09-434	18.0	0.42*	-	0.46*	-	0.34*	-	0.37*
26	FRESH, 53 TO 59 DAYS' GROWTH, CUT 6,		100.0	2.33*	-	2.54*	-	1.91*	-	2.08*
27	(2)		-	-	-	-	-	-	-	-
28	PENNISETUM PURPUREUM, MILLET. NAPIERGRASS		-	-	-	-	-	-	-	-
29	-MILLET, AERIAL PART,	2-09-449	12.0	0.27*	-	0.29*	-	0.22*	-	0.24*
30	FRESH, 39 TO 45 DAYS' GROWTH, CUT 4,		100.0	2.22*	-	2.45*	-	1.82*	-	2.01*
31	(2)		-	-	-	-	-	-	-	-
32	-MILLET, AERIAL PART,	2-09-450	18.0	0.41*	-	0.44*	-	0.33*	-	0.36*
33	FRESH, 39 TO 45 DAYS' GROWTH, CUT 5,		100.0	2.26*	-	2.43*	-	1.86*	-	1.99*
34	(2)		-	-	-	-	-	-	-	-
35	-MILLET, AERIAL PART,	2-09-451	19.0	0.44*	-	0.48*	-	0.36*	-	0.39*
36	FRESH, 39 TO 45 DAYS' GROWTH, CUT 6,		100.0	2.29*	-	2.51*	-	1.88*	-	2.06*
37	(2)		-	-	-	-	-	-	-	-
38	-MILLET, AERIAL PART,	2-09-414	18.0	-	-	-	-	-	-	-
39	FRESH, 39 TO 45 DAYS' GROWTH, CUT 7,		100.0	-	-	-	-	-	-	-
40	(2)		-	-	-	-	-	-	-	-
41	-MILLET, AERIAL PART,	2-09-415	14.0	0.31*	-	0.34*	-	0.25*	-	0.28*
42	FRESH, 53 TO 59 DAYS' GROWTH, CUT 1,		100.0	2.19*	-	2.45*	-	1.80*	-	2.01*
43	(2)		-	-	-	-	-	-	-	-
44	-MILLET, AERIAL PART,	2-09-416	13.0	0.25*	-	0.30*	-	0.20*	-	0.25*
45	FRESH, 53 TO 59 DAYS' GROWTH, CUT 2,		100.0	1.90*	-	2.32*	-	1.56*	-	1.91*
46	(2)		-	-	-	-	-	-	-	-
47	-MILLET, AERIAL PART,	2-09-417	14.0	0.29*	-	0.34*	-	0.24*	-	0.28*
48	FRESH, 53 TO 59 DAYS' GROWTH, CUT 3,		100.0	2.06*	-	2.42*	-	1.69*	-	1.98*
49	(2)		-	-	-	-	-	-	-	-
50	-MILLET, AERIAL PART,	2-09-418	12.0	0.27*	-	0.30*	-	0.22*	-	0.25*
51	FRESH, 53 TO 59 DAYS' GROWTH, CUT 4,		100.0	2.27*	-	2.54*	-	1.86*	-	2.08*
52	(2)		-	-	-	-	-	-	-	-
53	-MILLET, AERIAL PART,	2-09-419	18.0	0.42*	-	0.42*	-	0.35*	-	0.35*
54	FRESH, 53 TO 59 DAYS' GROWTH, CUT 5,		100.0	2.35*	-	2.34*	-	1.93*	-	1.92*
55	(2)		-	-	-	-	-	-	-	-
56	-MILLET, AERIAL PART,	2-09-420	15.0	0.35*	-	0.37*	-	0.29*	-	0.31*
57	FRESH, 53 TO 59 DAYS' GROWTH, CUT 6,		100.0	2.32*	-	2.49*	-	1.90*	-	2.04*
58	(2)		-	-	-	-	-	-	-	-
59	PENNSETUM PURPUREUM. NAPIERGRASS		-	-	-	-	-	-	-	-
60	-AERIAL PART, FRESH, 53 TO	2-10-079	17.3	0.20*	-	0.44*	-	0.17*	-	0.36*
61	59 DAYS' GROWTH, CUT 4, (2)		100.0	1.17*	-	2.55*	-	0.96*	-	2.09*
62	PHALARIS ARUNDINACEA. CANARYGRASS, REED		-	-	-	-	-	-	-	-
63	-HAY, S-C, (1)	1-01-104	89.0	2.14*	1.79	1.94*	-	1.76*	1.47*	1.59*
64			100.0	2.40*	2.01	2.18*	-	1.97*	1.65*	1.79*
65	-AERIAL PART, FRESH, (2)	2-01-113	25.3	0.87*	-	0.68*	-	0.71*	-	0.56*
66			100.0	3.44*	-	2.70*	-	2.82*	-	2.21*
67	PHALARIS SPP. CANARYGRASS		-	-	-	-	-	-	-	-
68	-AERIAL PART, FRESH, (2)	2-10-329	42.7	1.15*	-	1.14*	-	0.94*	-	0.93*
69			100.0	2.70*	-	2.67*	-	2.21*	-	2.19*
70	PHALARIS TUBEROSA, STENOPTERA. HARDINGGRASS		-	-	-	-	-	-	-	-
71	-STENOPTERA, AERIAL PART, FRESH, CUT 1, (2)	2-10-812	18.7	-	-	-	-	-	-	-
72			100.0	-	-	-	-	-	-	-
73	-STENOPTERA, AERIAL PART, FRESH, CUT 2, (2)	2-10-814	21.4	-	-	-	-	-	-	-
74			100.0	-	-	-	-	-	-	-
75	-STENOPTERA, AERIAL PART,	2-10-813	16.5	-	-	-	-	-	-	-
76	FRESH FERTILIZED, CUT 1, (2)		100.0	-	-	-	-	-	-	-
77	-STENOPTERA, AERIAL PART,	2-10-815	21.3	-	-	-	-	-	-	-
78	FRESH FERTILIZED, CUT 2, (2)		100.0	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	7.*	-	-	1.7		1
02	-	-	-	-	-	-	-	56.*	-	-	13.2	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.25*	0.07*	0.24*	12.*	-	13.*	-	-	2.7		1
05	-	-	1.09*	0.31*	1.04*	51.*	-	58.*	-	-	11.9	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	10.*	-	-	1.7		1
08	-	-	-	-	-	-	-	53.*	-	-	9.1	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	11.*	-	-	1.7		1
11	-	-	-	-	-	-	-	55.*	-	-	8.5	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	0.13*	0.04*	0.13*	6.*	-	7.*	-	-	1.1		1
14	-	-	1.09*	0.33*	1.05*	51.*	-	56.*	-	-	9.3	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	0.14*	0.01*	0.12*	6.*	-	8.*	-	-	0.9		1
17	-	-	0.97*	0.05*	0.83*	45.*	-	54.*	-	-	6.3	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	7.*	-	-	1.7		1
20	-	-	-	-	-	-	-	56.*	-	-	13.2	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	0.20*	0.06*	0.19*	10.*	-	10.*	-	-	1.5		1
23	-	-	1.08*	0.29*	1.02*	50.*	-	54.*	-	-	7.8	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	0.20*	0.07*	0.20*	10.*	-	10.*	-	-	2.0		1
26	-	-	1.13*	0.39*	1.10*	53.*	-	58.*	-	-	11.1	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	0.13*	0.03*	0.12*	6.*	-	7.*	-	-	0.9		1
30	-	-	1.07*	0.29*	1.02*	50.*	-	56.*	-	-	7.4	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	0.20*	0.06*	0.19*	9.*	-	10.*	-	-	1.5		1
33	-	-	1.09*	0.33*	1.05*	51.*	-	55.*	-	-	8.5	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	0.21*	0.07*	0.20*	10.*	-	11.*	-	-	1.9		1
36	-	-	1.11*	0.36*	1.07*	52.*	-	57.*	-	-	9.9	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	2.4		1
39	-	-	-	-	-	-	-	-	-	-	13.1	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	0.15*	0.04*	0.14*	7.*	-	8.*	-	-	1.1		1
42	-	-	1.06*	0.27*	1.00*	50.*	-	56.*	-	-	7.8	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	0.12*		0.10*	6.*	-	7.*	-	-	0.8		1
45	-	-	0.94*	0.02*	0.77*	43.*	-	53.*	-	-	6.5	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	0.14*	0.02*	0.12*	7.*	-	8.*	-	-	1.3		1
48	-	-	1.01*	0.14*	0.89*	47.*	-	55.*	-	-	9.1	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	0.13*	0.04*	0.13*	6.*	-	7.*	-	-	1.1		1
51	-	-	1.10*	0.34*	1.06*	52.*	-	58.*	-	-	8.9	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	0.20*	0.07*	0.20*	10.*	-	10.*	-	-	1.4		1
54	-	-	1.14*	0.41*	1.12*	53.*	-	53.*	-	-	7.8	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	0.17*	0.06*	0.16*	8.*	-	8.*	-	-	1.2		1
57	-	-	1.12*	0.39*	1.10*	53.*	-	56.*	-	-	7.7	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.12*	0.15*	0.03*	5.	-	10.*	-	-	1.5		1
61	-	-	0.69*	0.93*	0.20*	27.	-	58.*	-	-	8.6	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	1.03*	0.41*	1.03*	49▲*	44▲*	44▲	-	-	10.2	11	9
64	-	-	1.16*	0.46*	1.16*	55▲*	50▲*	49▲	-	-	11.5	-	-
65	-	-	0.45*	0.30*	0.50*	20.*	-	15.*	-	-	4.3		1
66	-	-	1.79*	1.19*	1.97*	78.*	-	61.*	-	-	17.2	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	0.56*	0.30*	0.59*	26.*	-	26.*	-	-	3.4		1
69	-	-	1.31*	0.70*	1.39*	61.*	-	61.*	-	-	8.0	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	3.1		1
72	-	-	-	-	-	-	-	-	-	-	16.5	-	-
73	-	-	-	-	-	-	-	-	-	-	3.4		1
74	-	-	-	-	-	-	-	-	-	-	15.7	-	-
75	-	-	-	-	-	-	-	-	-	-	3.1	9	15
76	-	-	-	-	-	-	-	-	-	-	18.5	-	-
77	-	-	-	-	-	-	-	-	-	-	3.6	10	15
78	-	-	-	-	-	-	-	-	-	-	16.8	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.2*	1.1*	1.2*	-	-	4.1		1	0.4	-	-	-
02	9.1*	8.7*	9.3*	-	-	31.8	-	-	3.3	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	1.8*	1.7*	1.9*	-	-	7.0		1	1.0	-	-	-
05	8.0*	7.6*	8.1*	-	-	30.4	-	-	4.3	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	1.1*	1.0*	1.0*	-	-	5.2		1	1.3	-	-	-
08	5.6*	5.3*	5.5*	-	-	27.6	-	-	6.7	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	1.0*	0.9*	1.0*	-	-	6.7		1	1.1	-	-	-
11	5.1*	4.7*	4.9*	-	-	33.7	-	-	5.4	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	0.7*	0.7*	0.7*	-	-	3.9		1	0.3	-	-	-
14	5.8*	5.5*	5.7*	-	-	32.1	-	-	2.9	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	0.5*	0.4*	0.4*	-	-	5.4		1	0.4	-	-	-
17	3.3*	2.9*	2.9*	-	-	30.7	-	-	2.6	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	1.2*	1.1*	1.2*	-	-	4.1		1	0.4	-	-	-
20	9.1*	8.7*	9.3*	-	-	31.8	-	-	3.3	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	0.9*	0.8*	0.8*	-	-	6.6		1	0.4	-	-	-
23	4.5*	4.2*	4.3*	-	-	34.6	-	-	2.1	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	1.3*	1.2*	1.3*	-	-	5.1		1	0.7	-	-	-
26	7.3*	6.9*	7.3*	-	-	28.5	-	-	4.0	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	0.5*	0.5*	0.5*	-	-	4.0		1	0.3	-	-	-
30	4.2*	3.8*	3.9*	-	-	33.5	-	-	2.5	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	0.9*	0.8*	0.9*	-	-	6.4		1	0.4	-	-	-
33	5.1*	4.7*	4.9*	-	-	35.5	-	-	2.1	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	1.2*	1.1*	1.2*	-	-	5.7		1	0.6	-	-	-
36	6.3*	5.9*	6.2*	-	-	30.0	-	-	3.3	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	1.6*	1.6*	1.7*	-	-	4.9		1	0.5	-	-	-
39	9.0*	8.6*	9.2*	-	-	27.1	-	-	2.5	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	0.6*	0.6*	0.6*	-	-	4.4		1	0.4	-	-	-
42	4.5*	4.2*	4.3*	-	-	31.8	-	-	3.1	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	0.4*	0.4*	0.4*	-	-	4.6		1	0.4	-	-	-
45	3.4*	3.0*	3.0*	-	-	35.5	-	-	2.9	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	0.8*	0.7*	0.8*	-	-	4.9		1	0.4	-	-	-
48	5.6*	5.3*	5.5*	-	-	35.0	-	-	2.9	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	0.7*	0.6*	0.6*	-	-	4.3		1	0.3	-	-	-
51	5.4*	5.1*	5.3*	-	-	35.7	-	-	2.8	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	0.8*	0.7*	0.8*	-	-	6.3		1	0.3	-	-	-
54	4.5*	4.2*	4.3*	-	-	34.9	-	-	1.6	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	0.7*	0.6*	0.6*	-	-	4.5		1	0.5	-	-	-
57	4.4*	4.1*	4.2*	-	-	30.3	-	-	3.2	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	0.9*	0.8*	0.9*	-	-	4.7		1	0.7	-	-	-
61	5.2*	4.8*	5.0*	-	-	27.0	-	-	4.0	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	6.1*	6.5*	6.4	-	62.8	30.1	11	9	2.8	0.37	18	7
64	6.9*	7.3*	7.2	-	70.5	33.8	-	-	3.1	0.41	-	-
65	3.2*	3.1*	3.3*	-	-	5.6		1	1.1	0.09		2
66	12.5*	12.1*	13.0*	-	-	22.0	-	-	4.4	0.36	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	2.0*	1.8*	1.9*	-	-	10.9		1	0.9	0.19		1
69	4.7*	4.3*	4.4*	-	-	25.5	-	-	2.1	0.44	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	2.2*	2.2*	2.3*	-	-	-	-	-	-	0.03		1
72	11.9*	11.5*	12.4*	-	-	-	-	-	-	0.15	-	-
73	2.4*	2.3*	2.5*	-	-	-	-	-	-	0.02		1
74	11.2*	10.9*	11.6*	-	-	-	-	-	-	0.11	-	-
75	2.2*	2.2*	2.4*	-	-	-	-	-	-	0.03	10	8
76	13.6*	13.3*	14.3*	-	-	-	-	-	-	0.21	-	-
77	2.6*	2.5*	2.7*	-	-	-	-	-	-	0.03	14	8
78	12.2*	11.8*	12.7*	-	-	-	-	-	-	0.16	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	0.21	0.23	13	7	2.80	-	-	-	-	-	-	-	-	-	-	-	-	-
64	0.23	0.25	-	-	3.15	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.08		2	0.92	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	0.33	-	-	3.64	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	0.06	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.14	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	0.04	0.06		1	0.89	-	-	-	-	-	-	-	-	-	-	-	-	-
72	0.24	0.32	-	-	4.77	-	-	-	-	-	-	-	-	-	-	-	-	-
73	0.05	0.09		1	0.67	-	-	-	-	-	-	-	-	-	-	-	-	-
74	0.22	0.42	-	-	4.06	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.05	0.07	9	8	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-
76	0.29	0.45	-	-	4.65	-	-	-	-	-	-	-	-	-	-	-	-	-
77	0.06	0.10	10	8	0.77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	0.28	0.47	-	-	3.60	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	PHASEOLUS ARTOPURPUREUS. BEAN, ARTOPURPUREUS		-	-	-	-	-	-	-	-
02	-HAY, S-C, (1)	1-11-[illegible]9	91.5	2.00*	-	2.13*	-	1.64*	-	1.75*
03			100.0	2.19*	-	2.33*	-	1.79*	-	1.91*
04	PHASEOLUS SPP. BEAN		-	-	-	-	-	-	-	-
05	-SEEDS, (5)	5-00-594	54.3	1.78*	-	2.09*	-	1.46*	-	1.72*
06			100.0	3.28*	-	3.85*	-	2.69*	-	3.16*
07	-SEEDS, GRND, (5)	5-10-108	90.5	-	-	-	-	-	-	-
08			100.0	-	-	-	-	-	-	-
09	PHASEOLUS VULGARIS. BEAN, KIDNEY		-	-	-	-	-	-	-	-
10	-STRAW, GRND, (1)	1-09-749	-	-	-	-	-	-	-	-
11			100.0	2.22*	1.31*	2.24*	-	1.82*	1.07*	1.84*
12	-SEEDS, (5)	5-00-600	90.3	3.65*	-	3.09*	-	3.00*	-	2.53*
13			100.0	4.05*	-	3.42*	-	3.32*	-	2.80*
14	PHASEOLUS VULGARIS. BEAN, NAVY		-	-	-	-	-	-	-	-
15	-SEEDS, (5)	5-00-623	89.8	3.97*	-	3.47*	-	3.25*	-	2.84*
16			100.0	4.43*	-	3.86*	-	3.63*	-	3.17*
17	PHLEUM PRATENSE. TIMOTHY		-	-	-	-	-	-	-	-
18	-HAY, S-C, JOINTING AND BOOT, (1)	1-04-881	86.9	2.40*	1.64*	2.58*	-	1.97*	1.35*	2.12*
19			100.0	2.76*	1.89*	2.97*	-	2.26*	1.55*	2.43*
20	-HAY, S-C, EARLY BLOOM, (1)	1-04-882	86.8	2.27*	1.59*	2.10*	-	1.86*	1.30*	1.72*
21			100.0	2.61*	1.83*	2.42*	-	2.14*	1.50*	1.98*
22	-HAY, S-C, MIDBLOOM, (1)	1-04-883	80.1	2.33*	1.64*	2.32*	-	1.91*	1.35*	1.90*
23			100.0	2.65*	1.86*	2.63*	-	2.17*	1.53*	2.16*
24	-HAY, S-C, LATE BLOOM, (1)	1-04-885	88.5	2.25*	1.69*	2.22*	-	1.85*	1.39*	1.82*
25			100.0	2.55*	1.91*	2.51*	-	2.09*	1.57*	2.06*
26	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-04-903	25.9	0.73*	-	0.66*	-	0.60*	-	0.54*
27			100.0	2.83*	-	2.56*	-	2.32*	-	2.10*
28	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-808	21.4	0.56*	-	0.56*	-	0.46*	-	0.46*
29			100.0	2.61*	-	2.61*	-	2.14*	-	2.14*
30	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-04-905	30.4	0.77*	-	0.82*	-	0.63*	-	0.67*
31			100.0	2.52*	-	2.71*	-	2.07*	-	2.22*
32	-AERIAL PART, FRESH, MIDBLOOM, CUT 2, (2)	2-10-807	25.8	0.60*	-	0.64*	-	0.49*	-	0.52*
33			100.0	2.31*	-	2.48*	-	1.89*	-	2.03*
34	-AERIAL PART, FRESH, CUT 1, (2)	2-10-809	22.8	0.57*	-	0.61*	-	0.46*	-	0.50*
35			100.0	2.48*	-	2.67*	-	2.03*	-	2.19*
36	-AERIAL PART, ENSILED, (3)	3-04-922	33.5	0.88*	-	0.87*	-	0.72*	-	0.72*
37			100.0	2.62*	-	2.61*	-	2.15*	-	2.14*
38	PHOSPHATE ROCK		-	-	-	-	-	-	-	-
39	-DEFLUORINATED GRND, MX 1 PART	6-01-780	-	-	-	-	-	-	-	-
40	F PER 100 PARTS P, (6)		100.0	-	-	-	-	-	-	-
41	PHOSPHATE, DEFLUORINATED (AAFCO)		-	-	-	-	-	-	-	-
42	PISUM SPP. PEA		-	-	-	-	-	-	-	-
43	-STRAW, (1)	1-03-577	84.7	2.15*	1.43*	1.52*	-	1.76*	1.18*	1.24*
44			100.0	2.54*	1.69*	1.79*	-	2.08*	1.39*	1.47*
45	-AERIAL PART WO SEEDS, ENSILED, (3)	3-03-596	24.5	0.63*	-	0.62*	-	0.52*	-	0.51*
46			100.0	2.58*	-	2.53*	-	2.11*	-	2.07*
47	-SEEDS, GRND, (5)	5-03-598	88.2	3.30*	-	3.36*	3316.*	2.71*	-	2.78*
48			100.0	3.74*	-	3.84*	3759.*	3.07*	-	3.15*
49	PLANT		-	-	-	-	-	-	-	-
50	-CHARCOAL, (6)	6-03-727	90.0	-	-	-	-	-	-	-
51			100.0	-	-	-	-	-	-	-
52	PLANTAGO PATAGONICA. INDIANWHEAT, PATAGONIA		-	-	-	-	-	-	-	-
53	-AERIAL PART, FRESH, (2)	2-10-805	-	-	-	-	-	-	-	-
54			100.0	-	-	-	-	-	-	-
55	POA PRATENSIS. BLUEGRASS, KENTUCKY		-	-	-	-	-	-	-	-
56	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-00-778	30.5	-	-	-	-	-	-	-
57			100.0	-	-	-	-	-	-	-
58	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-00-779	34.3	1.08*	-	1.04*	-	0.85*	-	0.85*
59			100.0	3.15*	-	3.03*	-	2.58*	-	2.49*
60	-AERIAL PART, FRESH, MIDBLOOM, (2)	2-00-780	32.8	0.99*	-	0.87*	-	0.81*	-	0.72*
61			100.0	3.02*	-	2.66*	-	2.47*	-	2.18*
62	-AERIAL PART, FRESH, MILK STAGE, (2)	2-00-782	-	-	-	-	-	-	-	-
63			100.0	2.88*	-	2.72*	-	2.36*	-	2.23*
64	POA SPP. BLUEGRASS		-	-	-	-	-	-	-	-
65	-AERIAL PART, FRESH, (2)	2-00-756	32.1	-	-	-	-	-	-	-
66			100.0	-	-	-	-	-	-	-
67	POMOLOBUS PSEUDOHARENGUS. FISH, ALEWIFE		-	-	-	-	-	-	-	-
68	-WHOLE, RAW, (5)	5-07-964	25.6	-	-	-	-	-	-	-
69			100.0	-	-	-	-	-	-	-
70	POTATO BY-PRODUCT, DRIED		-	-	-	-	-	-	-	-
71	-SEE SOLANUM TUBEROSUM, PROCESS		-	-	-	-	-	-	-	-
72	RESIDUE, DEHY, (4)		-	-	-	-	-	-	-	-
73	POTATO MEAL		-	-	-	-	-	-	-	-
74	-SEE SOLANUM TUBEROSUM, TUBERS, DEHY		-	-	-	-	-	-	-	-
75	GRND, (4)		-	-	-	-	-	-	-	-
76	POTATO POMACE, DRIED		-	-	-	-	-	-	-	-
77	-SEE SOLANUM TUBEROSUM, PROCESS		-	-	-	-	-	-	-	-
78	RESIDUE, DEHY, (4)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	0.97*	0.24*	0.91*	45.*	-	48.*	-	-	15.6		1
03	-	-	1.06*	0.26*	0.99*	50.*	-	53.*	-	-	17.0	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	0.91*	0.60*	1.00*	40.*	47.	48.	-	-	15.2	16	5
06	-	-	1.68*	1.10*	1.85*	74.*	86.	87.	-	-	27.9	-	-
07	-	-	-	-	-	-	-	-	-	-	28.4		1
08	-	-	-	-	-	-	-	-	-	-	31.4	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-		1
11	-	-	1.07*	0.29*	1.02*	50.*	31.*	51.*	-	-	5.3	-	-
12	-	-	2.09*	1.35*	2.21*	83▲*	-	70▲	-	-	22.8		3
13	-	-	2.31*	1.49*	2.45*	92▲*	-	78▲	-	-	25.3	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	1342▲	2.43*	1.48*	2.46*	90▲*	-	79▲*	-	-	22.7		3
16	-	1494▲	2.71*	1.65*	2.74*	100▲*	-	88▲*	-	-	25.3	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	1.17*	0.65*	1.25*	54▲	41▲*	59▲	-	-	9.9		3
19	-	-	1.35*	0.75*	1.45*	63▲	47▲*	67▲	-	-	11.4	-	-
20	-	-	1.10*	0.55*	1.15*	51▲	39▲*	48▲	-	-	6.6	17	4
21	-	-	1.27*	0.63*	1.32*	59▲	45▲*	55▲	-	-	7.6	-	-
22	-	-	1.13*	0.58*	1.19*	53▲	41▲*	53▲	-	-	9.2		2
23	-	-	1.28*	0.66*	1.35*	60▲	46▲*	60▲	-	-	10.5	-	-
24	-	-	1.09*	0.51*	1.13*	51▲	42▲*	50▲	-	-	6.8		3
25	-	-	1.23*	0.58*	1.27*	58▲	48▲*	57▲	-	-	7.7	-	-
26	-	-	0.36*	0.21*	0.39*	17▲*	-	15▲	-	-	2.6		2
27	-	-	1.39*	0.80*	1.49*	64▲*	-	58▲	-	-	9.9	-	-
28	-	-	0.27*	0.14*	0.28*	13.*	-	13.*	-	-	1.4		1
29	-	-	1.27*	0.63*	1.32*	59.*	-	59.*	-	-	6.7	-	-
30	-	-	0.37*	0.17*	0.38*	17▲*	-	19▲*	-	-	2.8		2
31	-	-	1.22*	0.56*	1.25*	57▲*	-	61▲*	-	-	9.1	-	-
32	-	-	0.29*	0.10*	0.28*	14.*	-	14.*	-	-	1.7		2
33	-	-	1.12*	0.38*	1.09*	52.*	-	56.*	-	-	6.6	-	-
34	-	-	0.27*	0.12*	0.28*	13.*	-	14.*	-	-	3.1		1
35	-	-	1.20*	0.52*	1.22*	56.*	-	61.*	-	-	13.6	-	-
36	-	-	0.43*	0.21*	0.45*	20▲	-	20▲*	-	-	3.5	1	4
37	-	-	1.27*	0.64*	1.33*	60▲	-	59▲*	-	-	10.6	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	1.04*	0.48*	1.07*	49▲	35▲*	34▲	-	-	7.6	28	4
44	-	-	1.23*	0.57*	1.26*	58▲	42▲*	41▲	-	-	8.9	-	-
45	-	-	0.31*	0.15*	0.32*	14▲*	-	14▲*	-	-	3.2		1
46	-	-	1.25*	0.60*	1.30*	58▲*	-	57▲*	-	-	13.1	-	-
47	2598.*	-	1.79*	1.19*	1.95*	75.*	68.	77.	75.	-	22.0	16	6
48	2944.*	-	2.03*	1.35*	2.20*	85.*	76.	87.	85.	-	25.0	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	33	5
54	-	-	-	-	-	-	-	-	-	-	10.1	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	0.54*	0.35*	0.60*	25▲*	-	24▲*	-	-	5.7		2
59	-	-	1.59*	1.01*	1.74*	71▲*	-	69▲*	-	-	16.6	-	-
60	-	-	0.49*	0.30*	0.54*	22▲*	-	20▲*	-	-	4.3		2
61	-	-	1.50*	0.93*	1.64*	68▲*	-	60▲*	-	-	13.2	-	-
62	-	-	-	-	-	-	-	-	-	-	-		1
63	-	-	1.42*	0.83*	1.53*	65▲*	-	62▲*	-	-	11.6	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	2.7	18	4
66	-	-	-	-	-	-	-	-	-	-	8.4	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	19.4		1
69	-	-	-	-	-	-	-	-	-	-	75.8	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	10.7*	10.9*	10.8*	-	-	34.4		1	3.1	-	-	-
03	11.7*	12.0*	11.6*	-	-	37.6	-	-	3.4	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	13.3	13.4	-	-	7.3	83	4	1.1	0.15		1
06	-	24.4	24.6	-	-	13.4	-	-	2.0	0.28	-	-
07	-	-	-	-	-	-	-	-	1.8	-	-	-
08	-	-	-	-	-	-	-	-	2.0	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-		1	-	-	-	-
11	1.5*	2.0*	1.3*	-	-	35.2	-	-	0.8	-	-	-
12	-	-	15.3	-	-	6.2		3	1.8	0.11		1
13	-	-	16.9	-	-	6.9	-	-	2.0	0.12	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	20.0	-	-	4.2		3	1.5	0.15		3
16	-	-	22.3	-	-	4.7	-	-	1.6	0.16	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	5.4	6.3*	6.3	-	-	28.4		3	2.1	-	-	-
19	6.2	7.2*	7.3	-	-	32.6	-	-	2.4	-	-	-
20	3.8	3.4*	3.6	-	-	29.0	4	4	2.2	0.46		2
21	4.4	3.9*	4.1	-	-	34.3	-	-	2.6	0.53	-	-
22	5.0	5.7*	5.6	-	-	30.6		2	2.2	0.36		1
23	5.7	6.4*	6.4	-	-	34.7	-	-	2.4	0.41	-	-
24	3.3	3.6*	3.0	-	-	28.8		3	2.6	-	-	-
25	3.7	4.0*	3.4	-	-	32.5	-	-	2.9	-	-	-
26	1.6*	1.5*	1.4	-	-	8.3		2	1.0	0.07		1
27	6.3*	5.9*	5.5	-	-	32.1	-	-	3.8	0.28	-	-
28	0.8*	0.7*	0.7*	-	-	6.6		1	0.6	0.09		1
29	3.6*	3.2*	3.2*	-	-	31.0	-	-	2.9	0.41	-	-
30	1.7*	1.6*	1.5	-	-	10.2		2	0.9	0.08		1
31	5.6*	5.2*	4.9	-	-	33.5	-	-	3.0	0.25	-	-
32	0.9*	0.8*	0.8*	-	-	9.1		2	1.0	-	-	-
33	3.5*	3.2*	3.2*	-	-	35.2	-	-	3.9	-	-	-
34	2.2*	2.1*	2.2*	-	-	7.1		1	1.0	0.09		1
35	9.4*	9.1*	9.7*	-	-	31.0	-	-	4.6	0.40	-	-
36	2.0	2.0*	1.9	-	-	11.8	1	4	1.1	0.20		1
37	5.9	5.0*	5.8	-	-	35.2	-	-	3.4	0.58	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-		2
40	-	-	-	-	-	-	-	-	-	32.00	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	4.0	4.3*	3.9	-	-	33.4	14	4	1.5	-	-	-
44	4.7	5.1*	4.6	-	-	39.5	-	-	1.7	-	-	-
45	2.0*	2.0*	1.9	-	-	7.3		1	0.8	0.32		1
46	8.1*	8.1*	7.7	-	-	29.8	-	-	3.3	1.31	-	-
47	-	18.3	19.0	19.3	-	10.3	84	6	1.4	-	-	-
48	-	20.7	21.5	21.9	-	11.7	-	-	1.5	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	4.70		1
51	-	-	-	-	-	-	-	-	-	5.22	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	6.5*	6.1*	6.4*	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	4.1*	4.0*	4.1	-	-	9.4		2	1.3	0.16		1
59	12.0*	11.7*	12.0	-	-	27.4	-	-	3.9	0.46	-	-
60	3.0*	2.9*	2.7	-	-	9.6		2	1.3	0.10		2
61	9.1*	8.7*	8.2	-	-	29.2	-	-	3.9	0.31	-	-
62	-	-	-	-	-	-		1	-	-	-	-
63	7.7*	7.4*	7.8*	-	-	30.3	-	-	3.6	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	1.6*	1.5*	1.6*	-	-	-	-	-	-	-	-	-
66	5.1*	4.7*	4.9*	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	4.9	-	-	-
69	-	-	-	-	-	-	-	-	19.1	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.10		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.41		1	0.99	-	-	-	25.2	-	-	2.1	-	-	-	-	-	-
13	-	0.45	-	-	1.10	-	-	-	27.9	-	-	2.4	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	0.17	0.52		3	1.24	0.23	-	1759▲	24.5	3.1	-	1.9	-	-	0.20	1.60	0.25	0.25
16	0.19	0.38	-	-	1.38	0.26	-	1960▲	27.3	3.4	-	2.1	-	-	0.22	1.78	0.28	0.28
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.22		2	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.25	-	-	0.92	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.14	0.17		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	0.16	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.02	0.06		1	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-
29	0.09	0.26	-	-	2.21	-	-	-	-	-	-	-	-	-	-	-	-	-
30	0.04	0.08		1	0.52	0.04	-	-	-	-	-	-	-	-	-	-	-	-
31	0.13	0.25	-	-	1.71	0.13	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.03	0.07		1	0.62	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.12	0.30	-	-	2.73	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	0.10		1	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	0.29	-	-	1.68	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	16.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	628▲	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	712▲	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	0.03		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	0.20	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	0.66	-	-	-	-	-	-	-	-	-	-	-	-
58	0.04	0.13		1	0.69	-	-	-	-	-	-	-	-	-	-	-	-	-
59	0.11	0.39	-	-	2.01	-	-	-	-	-	-	-	-	-	-	-	-	-
60	0.04	0.11		2	0.65	-	-	-	-	-	-	-	-	-	-	-	-	-
61	0.11	0.33	-	-	1.99	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.06		2	-	-	-	-	9.6	-	-	1.6	-	-	-	-	-	-
66	-	0.17	-	-	-	-	-	-	29.9	-	-	5.0	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	0.22		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine Kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	POTATO PULP, DRIED		-	-	-	-	-	-	-	-
02	-SEE SOLANUM TUBEROSUM, PROCESS		-	-	-	-	-	-	-	-
03	RESIDUE, DEHY, (4)		-	-	-	-	-	-	-	-
04	POTATO WASTE, DRIED		-	-	-	-	-	-	-	-
05	-SEE SOLANUM TUBEROSUM, PROCESS		-	-	-	-	-	-	-	-
06	RESIDUE, DEHY, (4)		-	-	-	-	-	-	-	-
07	POULTRY		-	-	-	-	-	-	-	-
08	-FEATHERS, HYDROLYZED DEHY GRND, MN	5-03-794	92.8	-	-	-	-	-	-	-
09	70% OF PROTEIN DIGESTIBLE, (5)		100.0	-	-	-	-	-	-	-
10	-FEATHERS, HYDROLYZED DEHY GRND, MN	5-03-795	91.6	-	-	2.72*	-	-	-	2.23*
11	75% OF PROTEIN DIGESTIBLE, (5)		100.0	-	-	2.97*	-	-	-	2.44*
12	HYDROLYZED POULTRY FEATHERS (AAFCO)		-	-	-	-	-	-	-	-
13	-VISCERA W FEET W HEADS, DRY OR WET	5-03-799	92.8	-	-	-	-	-	-	-
14	RENDERED DEHY GRND, (5)		100.0	-	-	-	-	-	-	-
15	-VISCERA W FEET W HEADS, DRY OR WET	5-03-798	93.4	4.07*	-	3.26*	-	3.34*	-	2.67*
16	RENDERED DEHY GRND, MX 16% ASH 4% ACID		100.0	4.36*	-	3.49*	-	3.58*	-	2.86*
17	INSOLUBLE ASH, (5)		-	-	-	-	-	-	-	-
18	POULTRY BY-PRODUCT MEAL (AAFCO)		-	-	-	-	-	-	-	-
19	POULTRY BY-PRODUCT MEAL (AAFCO)		-	-	-	-	-	-	-	-
20	-SEE POULTRY, VISCERA W FEET W HEADS,		-	-	-	-	-	-	-	-
21	DRY OR WET RENDERED DEHY GRND, MX 16%		-	-	-	-	-	-	-	-
22	ASH 4% ACID INSOLUBLE ASH, (5)		-	-	-	-	-	-	-	-
23	PRAIRIE HAY, MILK STAGE		-	-	-	-	-	-	-	-
24	-SEE NATIVE PLANTS MIDWEST, HAY, S-C,		-	-	-	-	-	-	-	-
25	MILK STAGE, (1)		-	-	-	-	-	-	-	-
26	PRIMARY DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
27	-SEE SACCHAROMYCES CEREVISIAE PRIMARY		-	-	-	-	-	-	-	-
28	SACCHAROMYCES, DEHY, MN 40% PROTEIN,		-	-	-	-	-	-	-	-
29	(7)		-	-	-	-	-	-	-	-
30	PROSOPIS CHILENSIS, MESQUITE, COMMON		-	-	-	-	-	-	-	-
31	-LEAVES, S-C, (1)	1-10-321	93.6	2.01*	1.85*	1.99*	-	1.65*	1.52*	1.63*
32			100.0	2.14*	1.98*	2.13*	-	1.76*	1.62*	1.74*
33	-PODS, S-C, (1)	1-10-399	86.5	2.11*	1.28*	2.14*	-	1.73*	1.05*	1.76*
34			100.0	2.44*	1.48*	2.48*	-	2.00*	1.21*	2.03*
35	-SEEDS W PODS, (1)	1-10-398	93.8	-	-	2.47*	-	-	-	2.02*
36			100.0	-	-	2.63*	-	-	-	2.16*
37	-SEEDS, GRND, (4)	4-10-400	95.4	2.71*	-	3.24*	2958.*	2.22*	-	2.66*
38			100.0	2.84*	-	3.39*	3100.*	2.33*	-	2.78*
39	PROSOPIS SPP. MESQUITE		-	-	-	-	-	-	-	-
40	-LEAVES PODS SEEDS, S-C, (1)	1-10-397	-	-	-	-	-	-	-	-
41			100.0	2.55*	1.61*	2.60*	-	2.09*	1.32*	2.14*
42	PSIDIUM GUAJAVA, GUAVAS		-	-	-	-	-	-	-	-
43	-PITS, (1)	1-09-737	90.0	2.03*	-	2.24*	-	1.66*	-	1.84*
44			100.0	2.25*	-	2.49*	-	1.85*	-	2.04*
45	-PITS, BOILED GRND, (1)	1-09-750	-	-	-	-	-	-	-	-
46			100.0	-	-	2.46*	-	-	-	2.02*
47	-PITS, GRND, (1)	1-09-710	91.4	-	-	1.68*	-	-	-	1.38*
48			100.0	-	-	1.84*	-	-	-	1.51*
49	PUERARIA PHASEOLOIDES, KUDZU, TROPICAL		-	-	-	-	-	-	-	-
50	-AERIAL PART, FRESH, (2)	2-10-228	22.5	0.55*	-	0.63*	-	0.45*	-	0.51*
51			100.0	2.43*	-	2.78*	-	1.99*	-	2.28*
52	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-10-428	-	-	-	-	-	-	-	-
53			100.0	2.86*	-	2.80*	-	2.34*	-	2.30*
54	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-242	26.2	-	-	-	-	-	-	-
55			100.0	-	-	-	-	-	-	-
56	PUERARIA SPP. KUDZU		-	-	-	-	-	-	-	-
57	-LEAVES, DEHY, (1)	1-10-810	89.4	-	-	2.08*	-	-	-	1.70*
58			100.0	-	-	2.32*	-	-	-	1.91*
59	PUERARIA THUNBERGIANA, KUDZU, THUNBERG		-	-	-	-	-	-	-	-
60	-AERIAL PART, FRESH, (2)	2-10-237	22.8	0.57*	-	0.62*	-	0.47*	-	0.51*
61			100.0	2.49*	-	2.73*	-	2.04*	-	2.24*
62	RAPESEED MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
63	-SEE BRASSICA SPP, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
64	GRND, (5)		-	-	-	-	-	-	-	-
65	RAPESEED MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
66	-SEE BRASSICA SPP, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
67	GRND, (5)		-	-	-	-	-	-	-	-
68	RAPESEED OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
69	-SEE BRASSICA SPP, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
70	GRND, (5)		-	-	-	-	-	-	-	-
71	RAPESEED OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
72	-SEE BRASSICA SPP, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
73	GRND, (5)		-	-	-	-	-	-	-	-
74	RICE BRAN (AAFCO)		-	-	-	-	-	-	-	-
75	-SEE ORYZA SATIVA, BRAN W GERM, DRY		-	-	-	-	-	-	-	-
76	MILLED, MX 13% FIBER CACO3 DECLARED		-	-	-	-	-	-	-	-
77	ABOVE 3% MN, (4)		-	-	-	-	-	-	-	-

ne o.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	1170.	-	-	-	-	-	-	-	-	82.9	5	43
09	-	1260.	-	-	-	-	-	-	-	-	89.3	-	-
10	-	2455▲	-	-	-	-	-	62▲*	-	-	73.3		1
11	-	2680▲	-	-	-	-	-	67▲*	-	-	80.0	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	61.0	4	5
14	-	-	-	-	-	-	-	-	-	-	65.7	-	-
15	-	2425.	2.45*	1.51*	2.51*	92.*	-	74.*	-	-	55.4		2
16	-	2596.	2.63*	1.62*	2.69*	99.*	-	79.*	-	-	59.3	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	0.97*	0.20*	0.90*	46.*	46.*	45.*	-	-	10.5		1
32	-	-	1.04*	0.22*	0.96*	49.*	50.*	48.*	-	-	11.2	-	-
33	-	-	1.02*	0.42*	1.03*	48.*	31.*	49.*	-	-	6.3		3
34	-	-	1.10*	0.49*	1.19*	55.*	36.*	56.*	-	-	7.3	-	-
35	-	-	-	-	-	-	-	56.*	-	-	8.8		1
36	-	-	-	-	-	-	-	60.*	-	-	9.4	-	-
37	2839.*	-	1.33*	0.77*	1.43*	61.*	-	73.*	67.*	-	10.7		1
38	2976.*	-	1.39*	0.81*	1.50*	64.*	-	77.*	70.*	-	11.2	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-		1
41	-	-	1.23*	0.58*	1.28*	58.*	39.*	59.*	-	-	9.9	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	0.98*	0.29*	0.94*	46.*	-	51.*	-	-	16.1		3
44	-	-	1.09*	0.32*	1.04*	51.*	-	57.*	-	-	17.9	-	-
45	-	-	-	-	-	-	-	-	-	-	-		1
46	-	-	-	-	-	-	-	56.*	-	-	8.3	-	-
47	-	-	-	-	-	-	-	38.*	-	-	10.1		1
48	-	-	-	-	-	-	-	42.*	-	-	11.1	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	0.26*	0.11*	0.27*	12.*	-	14.*	-	-	3.6		3
51	-	-	1.18*	0.48*	1.18*	55.*	-	63.*	-	-	15.8	-	-
52	-	-	-	-	-	-	-	-	-	-	-		1
53	-	-	1.40*	0.82*	1.52*	65.*	-	64.*	-	-	16.8	-	-
54	-	-	-	-	-	-	-	-	-	-	7.5		1
55	-	-	-	-	-	-	-	-	-	-	28.8	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	47.*	-	-	21.7		1
58	-	-	-	-	-	-	-	53.*	-	-	24.3	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	0.28*	0.12*	0.28*	13.*	-	14.*	-	-	3.8		3
61	-	-	1.21*	0.53*	1.23*	57.*	-	62.*	-	-	16.5	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	7.5	-	-	-
09	-	-	-	-	-	-	-	-	8.0	-	-	-
10	-	-	-	-	-	2.3		1	4.0	-	-	-
11	-	-	-	-	-	2.5	-	-	4.4	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	12.0	6.82		3
14	-	-	-	-	-	-	-	-	12.9	7.36	-	-
15	-	-	-	-	-	1.6		2	13.1	3.00		1
16	-	-	-	-	-	1.7	-	-	14.0	3.21	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	6.2*	6.6*	6.2*	-	-	26.5		1	1.7	2.81		1
32	5.7*	7.1*	6.6*	-	-	28.3	-	-	1.8	3.00	-	-
33	2.8*	3.2*	2.7*	-	-	23.6		3	1.2	0.21		1
34	3.3*	3.7*	3.1*	-	-	27.3	-	-	1.3	0.24	-	-
35	4.8*	5.2*	4.7*	-	-	13.0		1	1.1	0.28		1
36	5.1*	5.5*	5.0*	-	-	19.2	-	-	1.2	0.30	-	-
37	6.0*	7.2*	7.2*	-	-	14.7		1	1.4	0.25		1
38	6.3*	7.5*	7.5*	-	-	15.4	-	-	1.5	0.26	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-		1	-	-	-	-
41	5.5*	6.0*	5.5*	-	-	23.3	-	-	1.5	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	11.2*	11.4*	11.4*	-	-	33.6		3	4.6	-	-	-
44	12.4*	12.7*	12.6*	-	-	37.4	-	-	5.1	-	-	-
45	-	-	-	-	-	-		1	-	-	-	-
46	4.1*	4.6*	4.0*	-	-	32.8	-	-	9.3	-	-	-
47	5.9*	6.3*	5.9*	-	-	26.8		1	13.3	-	-	-
48	6.5*	6.9*	6.5*	-	-	29.3	-	-	14.6	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	2.6*	2.5*	2.6*	-	-	8.3		3	0.9	0.12		2
51	11.3*	11.0*	11.7*	-	-	37.0	-	-	4.1	0.53	-	-
52	-	-	-	-	-	-		1	-	-	-	-
53	12.2*	11.8*	12.6*	-	-	26.3	-	-	2.6	-	-	-
54	5.9*	5.8*	6.2*	-	-	8.7		1	0.4	0.10		1
55	22.4*	22.0*	23.8*	-	-	33.1	-	-	1.6	0.39	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	16.1*	16.2*	16.4*	-	-	22.2		1	12.4	-	-	-
58	18.0*	18.1*	18.3*	-	-	24.8	-	-	13.9	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	2.7*	2.6*	2.8*	-	-	6.7		3	0.9	0.23		1
61	11.9*	11.6*	12.4*	-	-	29.1	-	-	4.0	1.02	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coeff. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.47		3	-	-	-	-	7.3	3.4	-	0.8	29.9	-	2.87	1.44	0.47	0.53
09	-	0.51	-	-	-	-	-	-	7.8	3.7	-	0.9	32.2	-	3.09	1.53	0.51	0.57
10	-	-	-	-	-	-	-	854$_A$	29.9	10.7	-	2.1	-	-	2.90	1.94	0.58	0.48
11	-	-	-	-	-	-	-	932$_A$	32.6	11.7	-	2.3	-	-	3.17	2.11	0.63	0.53
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	2.96		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	3.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	1.70		1	-	-	-	5952$_A$	39.7	8.8	-	11.0	-	-	1.00	3.70	1.00	0.45
16	-	1.82	-	-	-	-	-	6373$_A$	42.5	9.4	-	11.8	-	-	1.07	3.96	1.07	0.48
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	0.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	0.07	0.02		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	0.31	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	0.11		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	0.07		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	RICE GRAIN, BROWN		-	-	-	-	-	-	-	-
02	-SEE ORYZA SATIVA, GROATS, (4)		-	-	-	-	-	-	-	-
03	RICE GRAIN WITHOUT HULLS, GROUND		-	-	-	-	-	-	-	-
04	-SEE ORYZA SATIVA, GROATS, GRND, (4)		-	-	-	-	-	-	-	-
05	RICE GRAIN WITHOUT HULLS		-	-	-	-	-	-	-	-
06	-SEE ORYZA SATIVA, GROATS, (4)		-	-	-	-	-	-	-	-
07	RICE MILL BY-PRODUCT (AAFCO)		-	-	-	-	-	-	-	-
08	-SEE ORYZA SATIVA, POLISHED RICE		-	-	-	-	-	-	-	-
09	BY-PRODUCT, DEHY, MX 32% FIBER, (4)		-	-	-	-	-	-	-	-
10	RICE, WHITE, POLISHED		-	-	-	-	-	-	-	-
11	-SEE ORYZA SATIVA, GROATS, POLISHED,		-	-	-	-	-	-	-	-
12	(4)		-	-	-	-	-	-	-	-
13	RICINUS COMMUNIS. CASTORBEAN		-	-	-	-	-	-	-	-
14	-SEEDS W HULLS, TOXICITY EXTD GRND, (5)	5-01-155	90.5	1.71*	-	2.24*	-	1.40*	-	1.84*
15			100.0	1.89*	-	2.48*	-	1.55*	-	2.03*
16	ROCK PHOSPHATE. ROCK PHOSPHATE		-	-	-	-	-	-	-	-
17	-GRND, (6)	6-03-945	-	-	-	-	-	-	-	-
18	ROCK PHOSPHATE, GROUND (AAFCO)		100.0	-	-	-	-	-	-	-
19	ROUGH RICE		-	-	-	-	-	-	-	-
20	-SEE ORYZA SATIVA, GRAIN W HULLS, (4)		-	-	-	-	-	-	-	-
21	RYE DISTILLERS DRIED GRAINS (AAFCO)		-	-	-	-	-	-	-	-
22	-SEE SECALE CEREALE, DISTILLERS		-	-	-	-	-	-	-	-
23	GRAINS, DEHY, (5)		-	-	-	-	-	-	-	-
24	RYE MIDDLINGS (AAFCO)		-	-	-	-	-	-	-	-
25	-SEE SECALE CEREALE, FLOUR BY-PRODUCT,		-	-	-	-	-	-	-	-
26	COARSE SIFT, MX 8.5% FIBER, (4)		-	-	-	-	-	-	-	-
27	SACCHAROMYCES CEREVISIAE. YEAST, BREWERS		-	-	-	-	-	-	-	-
28	SACCHAROMYCES		-	-	-	-	-	-	-	-
29	-DEHY GRND, MN 40%	7-05-527	93.8	-	-	3.20*	-	-	-	2.63*
30	PROTEIN, (7)		100.0	-	-	3.41*	-	-	-	2.80*
31	BREWERS DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
32	SACCHAROMYCES CEREVISIAE. YEAST, IRRADIATED		-	-	-	-	-	-	-	-
33	-DEHY, (7)	7-05-529	93.9	-	-	3.16*	-	-	-	2.59*
34	IRRADIATED DRIED YEAST (AAFCO)		100.0	-	-	3.37*	-	-	-	2.76*
35	SACCHAROMYCES CEREVISIAE. YEAST, PRIMARY		-	-	-	-	-	-	-	-
36	SACCHAROMYCES		-	-	-	-	-	-	-	-
37	-DEHY, MN 40% PROTEIN,	7-05-533	92.6	-	-	-	-	-	-	-
38	(7)		100.0	-	-	-	-	-	-	-
39	DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
40	PRIMARY DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
41	SACCHARUM OFFICINARUM. SUGARCANE		-	-	-	-	-	-	-	-
42	-AERIAL PART, DEHY GRND, (1)	1-09-705	88.9	-	-	2.13*	-	-	-	1.75*
43			100.0	-	-	2.40*	-	-	-	1.97*
44	-AERIAL PART, GRND, (1)	1-09-704	88.1	-	-	2.25*	-	-	-	1.85*
45			100.0	-	-	2.56*	-	-	-	2.10*
46	-AERIAL PART, S-C, (1)	1-04-685	88.3	2.22*	1.46*	2.14*	-	1.82*	1.20*	1.76*
47			100.0	2.51*	1.65*	2.43*	-	2.06*	1.36*	1.99*
48	-AERIAL PART, S-C GRND PELLETED, (1)	1-09-462	96.2	-	-	2.19*	-	-	-	1.80*
49			100.0	-	-	2.28*	-	-	-	1.87*
50	-PULP, DEHY, (1)	1-04-686	91.3	-	-	1.91*	-	-	-	1.57*
51			100.0	-	-	2.09*	-	-	-	1.72*
52	-PULP, DEHY GRND, (1)	1-09-757	46.4	1.01*	-	1.01*	-	0.83*	-	0.82*
53			100.0	2.18*	-	2.17*	-	1.79*	-	1.78*
54	-STALKS, S-C, (1)	1-09-594	-	-	-	-	-	-	-	-
55			100.0	-	-	2.26*	-	-	-	1.85*
56	-STALKS W MOLASSES ADDED, DEHY GRND, (1)	1-09-586	91.8	2.06*	1.66*	2.01*	-	1.69*	1.36*	1.65*
57			100.0	2.24*	1.81*	2.19*	-	1.84*	1.49*	1.79*
58	-STALKS W 5% MOLASSES	1-09-458	94.6	2.21*	1.81*	2.13*	-	1.81*	1.48*	1.75*
59	ADDED, S-C GRND PELLETED, (1)		100.0	2.34*	1.91*	2.25*	-	1.92*	1.57*	1.85*
60	-AERIAL PART, CHOPPED, (2)	2-09-700	25.5	0.80*	-	-	-	0.65*	-	-
61			100.0	3.13*	-	-	-	2.57*	-	-
62	-AERIAL PART, FRESH, (2)	2-04-689	21.9	0.56*	-	0.60*	-	0.46*	-	0.49*
63			100.0	2.56*	-	2.73*	-	2.10*	-	2.24*
64	-AERIAL PART, FRESH, LATE VEGETATIVE, (2)	2-10-258	20.9	0.54*	-	0.51*	-	0.44*	-	0.42*
65			100.0	2.57*	-	2.44*	-	2.11*	-	2.00*
66	-PULP, WET, (2)	2-09-909	34.7	-	-	-	-	-	-	-
67			100.0	-	-	-	-	-	-	-
68	-AERIAL PART, ENSILED, (3)	3-04-693	28.3	0.79*	-	-	-	0.65*	-	-
69			100.0	2.80*	-	-	-	2.29*	-	-
70	-MOLASSES, DEHY, (4)	4-04-695	94.0	-	-	2.60*	-	-	-	2.14*
71			100.0	-	-	2.77*	-	-	-	2.27*
72	-MOLASSES, MN 48% INVERT	4-04-696	77.7	3.29*	-	2.44*	2546.*	2.70*	-	2.00*
73	SUGAR MN 79.5 DEGREES BRIX, (4)		100.0	4.23*	-	3.13*	3277.*	3.47*	-	2.57*
74	CANE MOLASSES (AAFCO)		-	-	-	-	-	-	-	-
75	-PULP, SIFTED, (4)	4-04-700	85.2	-	-	-	-	-	-	-
76			100.0	-	-	-	-	-	-	-
77	SACCHARUM OFFICINARUM. SUGARCANE, H 37-1933		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	0.85*	0.03*	0.69*	39.*	-	51.*	-	-	35.5		2
15	-	-	0.94*	0.03*	0.75*	43.*	-	56.*	-	-	39.2	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	2419.	-	-	-	-	-	73.*	-	-	44.8		4
30	-	2580.	-	-	-	-	-	77.*	-	-	47.8	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	72.*	-	-	48.4		2
34	-	-	-	-	-	-	-	76.*	-	-	51.5	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	48.0		1
38	-	-	-	-	-	-	-	-	-	-	51.8	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	48.*	-	-	1.7		3
43	-	-	-	-	-	-	-	54.*	-	-	1.9	-	-
44	-	-	-	-	-	-	-	51.*	-	-	2.3	34	24
45	-	-	-	-	-	-	-	58.*	-	-	2.6	-	-
46	-	-	1.07*	0.49*	1.10*	50.*	36.*	49.*	-	-	3.7	26	31
47	-	-	1.21*	0.55*	1.25*	57.*	41.*	55.*	-	-	4.1	-	-
48	-	-	-	-	-	-	-	50.*	-	-	0.9		1
49	-	-	-	-	-	-	-	52.*	-	-	0.9	-	-
50	-	-	-	-	-	-	-	43.*	-	-	1.6		3
51	-	-	-	-	-	-	-	47.*	-	-	1.8	-	-
52	-	-	0.49*	0.12*	0.46*	23.*	-	23.*	-	-	2.7		1
53	-	-	1.06*	0.26*	0.99*	49.*	-	49.*	-	-	5.9	-	-
54	-	-	-	-	-	-	-	-	-	-	-		1
55	-	-	-	-	-	-	-	51.*	-	-	1.9	-	-
56	-	-	1.00*	0.29*	0.95*	47.*	41.*	46.*	-	-	5.8		1
57	-	-	1.09*	0.32*	1.04*	51.*	45.*	50.*	-	-	6.3	-	-
58	-	-	1.07*	0.38*	1.05*	50.*	45.*	48.*	-	-	6.6		1
59	-	-	1.13*	0.40*	1.11*	53.*	48.*	51.*	-	-	7.0	-	-
60	-	-	0.40*	0.26*	0.44*	18.*	-	-	-	-	0.7	10	7
61	-	-	1.57*	1.00*	1.73*	71.*	-	-	-	-	2.6	-	-
62	-	-	0.27*	0.13*	0.28*	13.*	-	14.*	-	-	0.8		1
63	-	-	1.24*	0.59*	1.28*	58.*	-	62.*	-	-	3.7	-	-
64	-	-	0.26*	0.13*	0.27*	12.*	-	12.*	-	-	2.6		3
65	-	-	1.25*	0.60*	1.30*	58.*	-	55.*	-	-	12.4	-	-
66	-	-	-	-	-	-	-	-	-	-	1.0		1
67	-	-	-	-	-	-	-	-	-	-	2.9	-	-
68	-	-	0.39*	0.22*	0.42*	18.*	-	-	-	-	1.3		3
69	-	-	1.37*	0.77*	1.47*	63.*	-	-	-	-	4.7	-	-
70	-	-	-	-	-	-	-	59.*	-	-	24.1		2
71	-	-	-	-	-	-	-	63.*	-	-	25.7	-	-
72	2444.*	2074.	1.94*	1.22*	2.01*	75.	-	55.	58.*	-	3.5		3
73	3146.*	2669.	2.49*	1.57*	2.59*	96.	-	71.	74.*	-	4.6	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	27.4	54	4	1.9	-	-	-
15	-	-	-	-	-	30.3	-	-	2.1	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-		1
18	-	-	-	-	-	-	-	-	-	30.00	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	38.5	-	-	2.7		4	0.9	0.13		4
30	-	-	41.1	-	-	2.9	-	-	1.0	0.14	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	19.9		3	1.1	0.78		2
34	-	-	-	-	-	21.2	-	-	1.2	0.83	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	3.1		1	1.0	0.36		1
38	-	-	-	-	-	3.3	-	-	1.1	0.39	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-1.2*	-0.7*	-1.4*	-	-	23.3		3	1.5	-	-	-
43	-1.3*	-0.8*	-1.6*	-	-	26.2	-	-	1.6	-	-	-
44	-0.6*	-0.1*	-0.9*	-	-	22.4	23	23	2.7	0.35		1
45	-0.7*	-0.2*	-1.0*	-	-	25.5	-	-	3.1	0.40	-	-
46	0.5*	0.9*	0.2*	-	-	25.9	13	31	2.0	-	-	-
47	0.5*	1.0*	0.3*	-	-	29.3	-	-	2.2	-	-	-
48	-2.1*	-1.5*	-2.4*	-	-	23.5		1	1.1	-	-	-
49	-2.1*	-1.6*	-2.5*	-	-	24.4	-	-	1.1	-	-	-
50	-1.3*	-0.8*	-1.6*	-	-	47.4	14	4	1.1	0.45		1
51	-1.4*	-0.9*	-1.7*	-	-	52.0	-	-	1.2	0.50	-	-
52	1.0*	1.2*	0.9*	-	-	22.8		1	1.7	-	-	-
53	2.0*	2.5*	1.9*	-	-	49.2	-	-	3.7	-	-	-
54	-	-	-	-	-	-		1	-	-	-	-
55	-1.3*	-0.7*	-1.6*	-	-	27.1	-	-	1.1	-	-	-
56	2.2*	2.7*	2.1*	-	-	36.6		1	2.5	-	-	-
57	2.4*	2.9*	2.2*	-	-	39.9	-	-	2.7	-	-	-
58	2.8*	3.3*	2.7*	-	-	33.8		1	2.8	-	-	-
59	3.0*	3.5*	2.8*	-	-	35.7	-	-	3.0	-	-	-
60				-	-	6.0	13	7	0.4	-	-	-
61	0.1*	-0.2*	-0.5*	-	-	23.6	-	-	1.7	-	-	-
62	0.2*	0.1*	0.1*	-	-	6.8		3	0.4	-	-	-
63	1.0*	0.7*	0.4*	-	-	30.9	-	-	1.9	-	-	-
64	1.8*	1.7*	1.8*	-	-	7.1		3	0.3	0.07		3
65	8.4*	8.1*	8.6*	-	-	34.0	-	-	1.5	0.32	-	-
66	0.1*			-	-	13.3		1	0.3	-	-	-
67	0.4*		-0.2*	-	-	38.4	-	-	0.9	-	-	-
68	0.1*	0.1*	0.1*	-	-	7.6		3	0.4	-	-	-
69	0.5*	0.5*	0.5*	-	-	26.7	-	-	1.3	-	-	-
70	18.4*	19.5*	19.5*	-	-	3.3		2	3.7	7.92		1
71	19.6*	20.7*	20.7*	-	-	3.6	-	-	3.9	8.42	-	-
72	2.0	1.1*	-0.9	-	-	7.7		1	0.5	0.86		3
73	2.6	1.4*	-1.2	-	-	9.9	-	-	0.7	1.10	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	35.3		2	1.2	-	-	-
76	-	-	-	-	-	41.4	-	-	1.4	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	0.23	1.46	4	4	1.73	0.38	-	3895a	448.7	110.1	-	35.1	-	-	0.50	3.00	0.70	0.50
30	0.25	1.56	-	-	1.84	0.41	-	4155a	478.6	117.4	-	37.4	-	-	0.53	3.20	0.75	0.53
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	1.42		2	2.14	-	-	-	-	-	-	18.5	-	-	-	3.70	1.00	0.73
34	-	1.31	-	-	2.28	-	-	-	-	-	-	19.7	-	-	-	3.94	1.06	0.78
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	0.36	1.72		1	-	0.57	-	-	300.7	312.0	-	38.8	6.2	-	0.50	3.80	1.00	0.40
38	0.39	1.86	-	-	-	0.62	-	-	324.7	336.9	-	41.9	6.7	-	0.54	4.10	1.08	0.43
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	0.25		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.06		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	1.75		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	1.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	0.35	0.08		3	2.74	0.34	-	899a	31.5	39.4	-	3.0	-	-	-	-	-	-
73	0.45	0.11	-	-	3.52	0.44	-	1157a	40.5	50.7	-	3.9	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition — Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/k
01	-AERIAL PART, S-C, (1)	1-09-464	96.2	2.08*	1.54*	2.07*	-	1.71*	1.26*	1.69
02			100.0	2.17*	1.60*	2.15*	-	1.78*	1.31*	1.76
03	SACCHARUM OFFICINARUM. SUGARCANE, PDJ 2878		-	-	-	-	-	-	-	-
04	-AERIAL PART, S-C, (1)	1-09-463	96.7	2.01*	1.70*	2.04*	-	1.65*	1.39*	1.67
05			100.0	2.08*	1.76*	2.11*	-	1.71*	1.44*	1.73
06	SAFFLOWER OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
07	-SEE CARTHAMUS TINCTORIUS, SEEDS,		-	-	-	-	-	-	-	-
08	MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
09	SAFFLOWER OIL MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
10	-SEE CARTHAMUS TINCTORIUS, SEEDS,		-	-	-	-	-	-	-	-
11	MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
12	SAFFLOWER SEED, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
13	-SEE CARTHAMUS TINCTORIUS, SEEDS,		-	-	-	-	-	-	-	-
14	MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
15	SALVIA MELLIFERA. SAGE, BLACK		-	-	-	-	-	-	-	-
16	-BROWSE, FRESH, STEM CURED, (2)	2-05-564	-	-	-	-	-	-	-	-
17			100.0	-	-	2.12	-	-	-	1.04
18	SCIAENOPS OCELLATA. FISH, REDFISH		-	-	-	-	-	-	-	-
19	-WHOLE OR CUTTINGS,	5-07-973	94.1	-	-	3.27*	-	-	-	2.68
20	COOKED MECH-EXTD DEHY GRND, (5)		100.0	-	-	3.48*	-	-	-	2.85
21	SCOMBER JAPONICUS. FISH, MACKEREL PACIFIC		-	-	-	-	-	-	-	-
22	-WHOLE, RAW, (5)	5-07-972	30.2	-	-	-	-	-	-	-
23			100.0	-	-	-	-	-	-	-
24	SCOMBER SCOMBRUS. FISH, MACKEREL ATLANTIC		-	-	-	-	-	-	-	-
25	-WHOLE, RAW, (5)	5-07-971	32.8	-	-	-	-	-	-	-
26			100.0	-	-	-	-	-	-	-
27	SEBASTODES SPP. FISH, ROCKFISH		-	-	-	-	-	-	-	-
28	-WHOLE, RAW, (5)	5-07-974	21.1	-	-	-	-	-	-	-
29			100.0	-	-	-	-	-	-	-
30	SECALE CEREALE. RYE		-	-	-	-	-	-	-	-
31	-STRAW, (1)	1-04-007	91.0	2.14*	1.27*	1.84*	-	1.76*	1.04*	1.51
32			100.0	2.36*	1.40*	2.02*	-	1.93*	1.15*	1.66
33	-AERIAL PART, FRESH, (2)	2-04-018	22.0	-	-	0.73*	-	-	-	0.60
34			100.0	-	-	3.31*	-	-	-	2.71
35	-FLOUR BY-PRODUCT, COARSE SIFT,	4-04-031	89.2	3.41*	-	3.17*	3220.*	2.80*	-	2.60
36	MX 8.5% FIBER, (4)		100.0	3.82*	-	3.55*	3610.*	3.13*	-	2.91
37	RYE MIDDLINGS (AAFCO)		-	-	-	-	-	-	-	-
38	-GRAIN, (4)	4-04-047	88.3	3.12*	-	3.32*	3468.*	2.56*	-	2.73
39			100.0	3.53*	-	3.77*	3928.*	2.90*	-	3.09
40	-DISTILLERS GRAINS, DEHY, (5)	5-04-023	92.2	2.17*	-	2.62*	-	1.78*	-	2.15
41	RYE DISTILLERS DRIED GRAINS (AAFCO)		100.0	2.35*	-	2.84*	-	1.93*	-	2.33
42	SELACHII (ORDER). FISH, SHARK		-	-	-	-	-	-	-	-
43	-WHOLE OR CUTTINGS,	5-02-018	89.0	2.40*	-	2.38*	-	1.96*	-	1.95
44	COOKED MECH-EXTD DEHY GRND, (5)		100.0	2.69*	-	2.67*	-	2.21*	-	2.19
45	SESAME OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
46	-SEE SESAMUM INDICUM, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
47	GRND, (5)		-	-	-	-	-	-	-	-
48	SESAMUM INDICUM. SESAME		-	-	-	-	-	-	-	-
49	-BRAN, (4)	4-09-587	92.5	-	-	-	-	-	-	-
50			100.0	-	-	-	-	-	-	-
51	-SEEDS, (5)	5-08-509	92.0	3.26*	-	3.40*	-	2.67*	-	2.79
52			100.0	3.54*	-	3.70*	-	2.90*	-	3.03
53	-SEEDS, MECH-EXTD GRND, (5)	5-04-220	92.2	3.18*	-	3.30*	-	2.61*	-	2.71
54			100.0	3.45*	-	3.59*	-	2.83*	-	2.94
55	-SEEDS, SOLV-EXTD GRND, (5)	5-09-906	90.6	-	-	2.68*	-	-	-	2.20
56			100.0	-	-	2.96*	-	-	-	2.43
57	SETARIA GENICULATA. BRISTLEGRASS, KNOTROOT		-	-	-	-	-	-	-	-
58	-AERIAL PART, FRESH, (2)	2-09-742	-	-	-	-	-	-	-	-
59			100.0	2.78*	-	2.70*	-	2.28*	-	2.21
60	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-10-804	44.2	1.15*	-	1.04*	-	0.94*	-	0.86
61			100.0	2.60*	-	2.36*	-	2.13*	-	1.94
62	SETARIA POIRETIANA. PALMGRASS, POIRET		-	-	-	-	-	-	-	-
63	-AERIAL PART, FRESH, (2)	2-10-427	-	-	-	-	-	-	-	-
64			100.0	2.70*	-	2.67*	-	2.21*	-	2.19
65	SETARIA SPHACELATA. BRISTLEGRASS, SPHACELATA		-	-	-	-	-	-	-	-
66	-AERIAL PART, FRESH, 39 TO 45 DAYS' GROWTH, (2)	2-11-272	17.8	-	-	-	-	-	-	-
67			100.0	-	-	-	-	-	-	-
68	SETARIA SPP. BRISTLEGRASS		-	-	-	-	-	-	-	-
69	-AERIAL PART, FRESH, (2)	2-00-876	-	-	-	-	-	-	-	-
70			100.0	2.60*	-	2.58*	-	2.13*	-	2.12
71	-LEAVES, FRESH, (2)	2-11-026	-	-	-	-	-	-	-	-
72			100.0	2.80*	-	2.85*	-	2.29*	-	2.34
73	SETARIA SPP. MILLET		-	-	-	-	-	-	-	-
74	-GRAIN, (4)	4-03-098	89.9	3.06*	-	2.52*	3245.*	2.51*	-	2.07
75			100.0	3.41*	-	2.80*	3611.*	2.79*	-	2.30
76	SITANION SPP. SQUIRRELTAIL		-	-	-	-	-	-	-	-
77	-AERIAL PART, FRESH, STEM CURED, (2)	2-05-566	-	-	-	-	-	-	-	-
78			100.0	-	-	2.01	-	-	-	1.70

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	1.01*	0.23*	0.94*	47.*	38.*	47.*	-	-	5.1		1
02	-	-	1.05*	0.24*	0.98*	49.*	39.*	49.*	-	-	5.3	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	0.98*	0.15*	0.88*	46.*	42.*	46.*	-	-	7.3		1
05	-	-	1.02*	0.16*	0.91*	47.*	43.*	48.*	-	-	7.5	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-		2
17	-	-	-	-	-	-	-	49▲	-	-	8.4	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	74▲*	-	-	56.8		1
20	-	-	-	-	-	-	-	79▲*	-	-	60.4	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	21.9		1
23	-	-	-	-	-	-	-	-	-	-	72.5	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	19.0		1
26	-	-	-	-	-	-	-	-	-	-	57.9	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	18.9		1
29	-	-	-	-	-	-	-	-	-	-	89.6	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	1.04*	0.38*	1.02*	49.*	31.*	42.	-	-	3.9	64	5
32	-	-	1.14*	0.42*	1.13*	53.*	34.*	46.	-	-	4.2	-	-
33	-	-	-	-	-	-	-	17▲*	-	-	3.6	37	5
34	-	-	-	-	-	-	-	75▲*	-	-	16.3	-	-
35	3091▲*	-	1.87*	1.24*	2.02*	77▲	-	72▲	73▲*	-	16.2	13	4
36	3465▲*	-	2.10*	1.39*	2.27*	87▲	-	81▲	82▲*	-	18.2	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	2762.*	2849.	1.64*	1.10*	1.80*	71.*	-	75.	79.	-	11.3	14	5
39	3129.*	3227.	1.86*	1.24*	2.04*	80.*	-	85.	89.	-	12.8	-	-
40	-	-	1.05*	0.38*	1.04*	49▲	-	59▲	-	-	20.4	18	4
41	-	-	1.14*	0.41*	1.12*	53▲	-	64▲	-	-	22.1	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	1.17*	0.62*	1.23*	54▲*	-	54▲*	-	-	38.9		1
44	-	-	1.31*	0.69*	1.39*	61▲*	-	61▲*	-	-	43.7	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	16.5		1
50	-	-	-	-	-	-	-	-	-	-	17.8	-	-
51	-	-	1.72*	1.15*	1.89*	74.*	-	77.*	-	-	35.5		1
52	-	-	1.87*	1.24*	2.05*	80.*	-	84.*	-	-	38.6	-	-
53	-	2603.	1.66*	1.10*	1.82*	72.*	-	75.*	-	-	42.2		2
54	-	2824.	1.80*	1.19*	1.98*	78.*	-	81.*	-	-	45.8	-	-
55	-	-	-	-	-	-	-	61.*	-	-	47.4		3
56	-	-	-	-	-	-	-	67.*	-	-	52.3	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-		1
59	-	-	1.36*	0.76*	1.46*	63.*	-	61.*	-	-	6.0	-	-
60	-	-	0.56*	0.27*	0.58*	26.*	-	24.*	-	-	1.8		1
61	-	-	1.26*	0.62*	1.31*	59.*	-	54.*	-	-	4.0	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-		3
64	-	-	1.31*	0.70*	1.39*	61.*	-	60.*	-	-	15.1	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	1.9		1
67	-	-	-	-	-	-	-	-	-	-	10.5	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-		1
70	-	-	1.26*	0.62*	1.32*	59▲*	-	59▲*	-	-	6.0	-	-
71	-	-	-	-	-	-	-	-	-	-	-		1
72	-	-	1.37*	0.77*	1.47*	63.*	-	65.*	-	-	13.1	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	3115.*	-	1.59*	1.05*	1.75*	69.*	-	57.	74.*	-	12.2		3
75	3467.*	-	1.77*	1.17*	1.95*	77.*	-	64.	82.*	-	13.5	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-		1
78	-	-	-	-	-	-	-	50.	-	-	3.1	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	1.5*	2.0*	1.3*	-	-	37.3		1	1.7	-	-	-
02	1.5*	2.0*	1.3*	-	-	38.8	-	-	1.8	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	3.4*	3.8*	3.2*	-	-	35.0		1	1.8	-	-	-
05	3.5*	3.9*	3.3*	-	-	36.2	-	-	1.9	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-		2
17	5.1*	4.7*	4.5	-	-	-	-	-	10.7	0.81	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	0.9		1	11.1	4.01		1
20	-	-	-	-	-	1.0	-	-	11.8	4.26	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	7.3	0.01		1
23	-	-	-	-	-	-	-	-	24.2	0.03	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	12.2			1
26	-	-	-	-	-	-	-	-	37.2	0.02	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	1.8	-	-	-
29	-	-	-	-	-	-	-	-	8.5	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	0.6*	1.0*	-1.9	-	-	38.3	19	5	1.4	0.22	18	4
32	0.6*	1.1*	-2.1	-	-	42.1	-	-	1.5	0.24	-	-
33	2.6*	2.5*	2.8	-	-	8.1	16	5	1.2	-	-	-
34	11.8*	11.4*	12.9	-	-	37.0	-	-	5.2	-	-	-
35	13.6	12.4*	12.3	-	-	4.8	17	4	3.2	0.06		2
36	15.3	13.9*	13.7	-	-	5.4	-	-	3.6	0.07	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	6.8*	7.9*	8.9	9.1	-	3.6	98	6	1.5	0.07	38	4
39	7.7*	8.9*	10.1	10.3	-	4.0	-	-	1.7	0.08	-	-
40	8.8	-	12.2	-	-	13.3	9	4	7.5	0.13		2
41	9.5	-	13.3	-	-	14.4	-	-	8.1	0.14	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	6.4		1	6.0	5.73		1
44	-	-	-	-	-	7.2	-	-	6.7	6.44	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	11.5*	12.6*	12.6*	-	-	5.4		1	29.1	-	-	-
50	12.4*	13.6*	13.6*	-	-	5.8	-	-	31.5	-	-	-
51	-	-	-	-	-	5.1		1	10.9	-	-	-
52	-	-	-	-	-	5.5	-	-	11.8	-	-	-
53	-	-	-	-	-	5.4		2	6.5	1.99		2
54	-	-	-	-	-	5.8	-	-	7.1	2.16	-	-
55	-	-	-	-	-	5.8		3	1.1	-	-	-
56	-	-	-	-	-	6.4	-	-	1.2	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-		1	-	-	-	-
59	3.0*	2.6*	2.6*	-	-	29.0	-	-	2.6	-	-	-
60	0.6*	0.4*	0.3*	-	-	14.1		1	0.2	0.08		1
61	1.3*	0.9*	0.7*	-	-	31.8	-	-	0.5	0.18	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-		3	-	-	-	-
64	10.7*	10.3*	11.1*	-	-	29.5	-	-	1.6	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	1.2*	1.1*	1.2*	-	10.3	5.0		1	-	-	-	-
67	6.8*	6.4*	6.8*	-	57.6	28.1	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-		1	-	-		1
70	3.0*	2.6*	2.6*	-	-	30.1	-	-	3.0	0.31	-	-
71	-	-	-	-	-	-		1	-	-		1
72	9.0*	8.6*	9.2*	-	-	16.4	-	-	1.3	0.28	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	7.6*	8.7*	6.1	-	-	6.4		3	4.0	0.05		1
75	8.4*	9.6*	6.8	-	-	7.2	-	-	4.5	0.06	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-		1
78	0.5*	0.2*		-	-	-	-	-	2.2	0.37	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	2.44		1	-	-	-	3437a	-	8.4	-	7.1	-	-	-	6.60	1.80	0.60
20	-	2.59	-	-	-	-	-	3652a	-	8.9	-	7.5	-	-	-	7.01	1.91	0.64
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.27		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	0.24		1	-	-	-	-	82.0	-	-	3.3	-	-	-	-	-	-
26	-	0.73	-	-	-	-	-	-	250.0	-	-	10.1	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	0.39	-	-	-	-	-	-	1.2	-	-	-	-	-	-
29	-	-	-	-	1.85	-	-	-	-	-	-	5.7	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	0.07	0.08	39	4	0.98	0.10	-	-	-	-	-	-	-	-	-	-	-	-
32	0.08	0.09	-	-	0.97	0.11	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	0.62		2	0.62	-	-	-	16.8	22.9	-	2.4	-	-	-	-	-	-
36	-	0.70	-	-	0.70	-	-	-	18.9	25.7	-	2.7	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.12	0.34	7	4	0.46	0.15	7.0	435a	13.1	7.1	-	1.5	-	-	0.16	0.44	0.18	0.13
39	0.13	0.39	-	-	0.52	0.17	7.9	493a	14.9	8.1	-	1.7	-	-	0.18	0.50	0.20	0.15
40	0.17	0.42		2	0.07	0.44	-	-	16.9	5.3	-	3.3	-	-	-	-	-	-
41	0.18	0.45	-	-	0.08	0.47	-	-	18.3	5.7	-	3.6	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	0.17	1.54		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	0.19	1.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	1.33		2	-	-	-	1520a	-	6.3	-	3.7	-	-	0.58	1.27	1.30	0.82
54	-	1.44	-	-	-	-	-	1649a	-	6.8	-	4.0	-	-	0.63	1.38	1.41	0.89
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	0.28	0.10	-	-	5.82	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	0.16	0.28		1	0.43	0.13	-	358a	23.8	3.3	-	0.7	-	-	-	-	-	-
75	0.18	0.31	-	-	0.48	0.14	-	398a	26.5	3.7	-	0.8	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	SKIMMILK, CENTRIFUGAL		-	-	-	-	-	-	-	-
02	-SEE BOS SPP, MILK, SKIMMED		-	-	-	-	-	-	-	-
03	CENTRIFUGAL, (5)		-	-	-	-	-	-	-	-
04	SKIMMILK, DRIED		-	-	-	-	-	-	-	-
05	-SEE BOS SPP, MILK, SKIMMED DEHY, MX		-	-	-	-	-	-	-	-
06	8% MOISTURE, (5)		-	-	-	-	-	-	-	-
07	SOLANUM TUBEROSUM, POTATO	3-03-768	24.4	0.77*	-	0.38*	952▲*	0.63*	-	0.73*
08	-TUBERS, ENSILED, (3)		100.0	3.15*	-	3.62*	3902▲*	2.58*	-	2.97*
09		4-03-775	88.5	2.92*	-	3.51*	3340▲*	2.39*	-	2.88*
10	-PROCESS RESIDUE, DEHY, (4)		100.0	3.29*	-	3.96*	3774▲*	2.70*	-	3.25*
11		4-08-491	89.7	3.78*	-	3.58*	3545▲*	3.10*	-	2.93*
12	-PROCESS RESIDUE W LIME ADDED, DEHY, (4)		100.0	4.22*	-	3.99*	3952▲*	3.46*	-	3.27*
13		4-03-784	24.2	0.70*	-	0.78*	934▲*	0.57*	-	0.64*
14	-TUBERS, COOKED, (4)		100.0	2.87*	-	3.22*	3853▲*	2.35*	-	2.64*
15		4-07-850	91.4	2.98*	-	3.10*	3433▲*	2.45*	-	2.55*
16	-TUBERS, DEHY GRND, (4)		100.0	3.26*	-	3.40*	3756▲*	2.68*	-	2.78*
17		4-03-787	22.8	0.80*	-	0.84*	851.*	0.65*	-	0.69*
18	-TUBERS, FRESH, (4)		100.0	3.50*	-	3.70*	3737.*	2.87*	-	3.04*
19			-	-	-	-	-	-	-	-
20	SOLVENT EXTRACTED PEANUT MEAL (AAFCO)		-	-	-	-	-	-	-	-
21	-SEE ARACHIS HYPOGAEA, KERNELS,		-	-	-	-	-	-	-	-
22	SOLV-EXTD GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
23	SOLVENT EXTRACTED RICE BRAN (AAFCO)		-	-	-	-	-	-	-	-
24	-SEE ORYZA SATIVA, BRAN W GERM,		-	-	-	-	-	-	-	-
25	SOLV-EXTD, MN 14% PROTEIN MX 14%		-	-	-	-	-	-	-	-
26	FIBER, (4)		-	-	-	-	-	-	-	-
27	SORGHUM FODDER, FRESH, MILK STAGE		-	-	-	-	-	-	-	-
28	-SEE SORGHUM VULGARE, AERIAL PART,		-	-	-	-	-	-	-	-
29	FRESH, MILK STAGE, (2)		-	-	-	-	-	-	-	-
30	SORGHUM FODDER, FRESH		-	-	-	-	-	-	-	-
31	-SEE SORGHUM VULGARE, AERIAL PART,		-	-	-	-	-	-	-	-
32	FRESH, (2)		-	-	-	-	-	-	-	-
33	SORGHUM FODDER SILAGE		-	-	-	-	-	-	-	-
34	-SEE SORGHUM VULGARE, AERIAL PART,		-	-	-	-	-	-	-	-
35	ENSILED, (3)		-	-	-	-	-	-	-	-
36	SORGHUM FODDER, SUN-CURED		-	-	-	-	-	-	-	-
37	-SEE SORGHUM VULGARE, AERIAL PART,		-	-	-	-	-	-	-	-
38	S-C, (1)		-	-	-	-	-	-	-	-
39	SORGHUM HALEPENSE, SORGHUM, JOHNSONGRASS	1-04-407	90.5	2.11*	1.61*	2.21*	-	1.73*	1.32*	1.82*
40	-HAY, S-C, (1)		100.0	2.33*	1.78*	2.45*	-	1.91*	1.46*	2.01*
41			-	-	-	-	-	-	-	-
42	SORGHUM, SORGO, FODDER SILAGE		-	-	-	-	-	-	-	-
43	-SEE SORGHUM VULGARE, SACCHARATUM		-	-	-	-	-	-	-	-
44	SORGO, AERIAL PART, ENSILED, (3)		-	-	-	-	-	-	-	-
45	SORGHUM, SORGO, FODDER, SUN-CURED		-	-	-	-	-	-	-	-
46	-SEE SORGHUM VULGARE, SACCHARATUM		-	-	-	-	-	-	-	-
47	SORGO, AERIAL PART, S-C, (1)		-	-	-	-	-	-	-	-
48	SORGHUM SPP, SORGHUM	1-10-423	82.6	2.20*	1.96*	2.02*	-	1.81*	1.60*	1.66*
49	-HAY, S-C, (1)		100.0	2.67*	2.37*	2.45*	-	2.19*	1.94*	2.01*
50		2-10-424	29.6	0.75*	-	0.77*	-	0.62*	-	0.63*
51	-AERIAL PART, FRESH, (2)		100.0	2.54*	-	2.60*	-	2.09*	-	2.13*
52		2-10-425	25.0	0.62*		0.64*	-	0.51*	-	0.53*
53	-AERIAL PART, FRESH, MIDBLOOM, (2)		100.0	2.47*		2.56*	-	2.02*	-	2.10*
54		3-10-426	27.4	0.66*	-	0.67*	-	0.54*	-	0.55*
55	-AERIAL PART, ENSILED, (3)		100.0	2.42*	-	2.43*	-	1.99*	-	1.99*
56			-	-	-	-	-	-	-	-
57	SORGHUM VULGARE, SORGHUM	1-10-739	89.3	2.26*	1.13*	2.32*	-	1.85*	0.93*	1.90*
58	-AERIAL PART, DEHY GRND, (1)		100.0	2.53*	1.27*	2.60*	-	2.07*	1.04*	2.13*
59		1-07-960	87.4	1.97*	1.40*	1.92*	-	1.62*	1.15*	1.58*
60	-AERIAL PART, S-C, (1)		100.0	2.26*	1.60*	2.20*	-	1.85*	1.31*	1.81*
61		1-10-738	90.7	-	-	2.00*	-	-	-	1.64*
62	-LEAVES, DEHY GRND, (1)		100.0	-	-	2.21*	-	-	-	1.81*
63		1-10-737	90.8	1.93*	1.42*	1.92*	-	1.59*	1.16*	1.57*
64	-STEMS, DEHY GRND, (1)		100.0	2.13*	1.56*	2.11*	-	1.75*	1.28*	1.73*
65		2-04-317	26.1	0.57*	-	0.65*	-	0.47*	-	0.53*
66	-AERIAL PART, FRESH, (2)		100.0	2.20*	-	2.48*	-	1.81*	-	2.04*
67		2-04-313	23.4	0.54*	-	0.57*	-	0.44*	-	0.47*
68	-AERIAL PART, FRESH, MILK STAGE, (2)		100.0	2.31*	-	2.45*	-	1.89*	-	2.01*
69		2-04-316	40.8	0.79*	-	0.99*	-	0.65*	-	0.81*
70	-AERIAL PART, FRESH, POST RIPE, (2)		100.0	1.93*	-	2.43*	-	1.59*	-	1.99*
71		3-04-323	30.3	0.74*	-	0.84*	-	0.61*	-	0.69*
72	-AERIAL PART, ENSILED, (3)		100.0	2.45*	-	2.76*	-	2.01*	-	2.27*
73		3-10-233	22.2	0.56*	-	0.56*	-	0.46*	-	0.46*
74	-AERIAL PART, ENSILED, MILK STAGE, (3)		100.0	2.51*	-	2.52*	-	2.06*	-	2.06*
75		4-04-327	87.1	3.02*	-	3.28*	3248▲*	2.47*	-	2.69*
76	-GRAIN, (4)		100.0	3.46*	-	3.76*	3729▲*	2.84*	-	3.08*
77										

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-
08	770▲*	-	0.39*	0.25*	0.43*	17▲*	-	20▲	22▲	-	1.7	17	4
09	3155▲*	-	1.59*	1.02*	1.75*	71▲*	-	82▲	89▲	-	7.1	-	-
10	3031▲*	-	1.49*	0.98*	1.64*	66▲*	-	80▲*	76▲*	-	7.1		3
11	3425▲*	-	1.69*	1.11*	1.86*	75▲*	-	90▲*	86▲*	-	8.0	-	-
12	3403▲*	-	2.22*	1.40*	2.31*	85▲*	-	81▲*	80▲*	-	15.9		1
13	3793▲*	-	2.48*	1.56*	2.58*	96▲*	-	90▲*	90▲*	-	17.7	-	-
14	773▲*	-	0.34*	0.20*	0.37*	16▲	-	18▲	21▲	-	2.2	15	4
15	3189▲*	-	1.41*	0.83*	1.53*	65▲	-	73▲	87▲	-	9.1	-	-
16	3296▲*	3527▲	1.52*	0.99*	1.68*	68▲*	-	70▲*	78▲*	-	9.7		2
17	3606▲*	3859▲	1.66*	1.02*	1.83*	74▲*	-	77▲*	85▲*	-	10.6	-	-
18	760.*	-	0.42*	0.20*	0.46*	18.	-	19.	19.	-	2.2	15	5
19	3338.*	-	1.84*	1.22*	2.02*	79.	-	84.	85.	-	9.6	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	1.02*	0.36*	1.00*	48▲*	40▲*	50▲*	-	-	6.7		2
41	-	-	1.13*	0.39*	1.10*	53▲*	44▲*	56▲*	-	-	7.5	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	1.07*	0.56*	1.13*	50.*	50.*	46.*	-	-	3.1		2
50	-	-	1.30*	0.68*	1.37*	60.*	60.*	56.*	-	-	3.7	-	-
51	-	-	0.36*	0.17*	0.38*	17.*	-	17.*	-	-	2.1	22	33
52	-	-	1.23*	0.58*	1.27*	58.*	-	59.*	-	-	7.0	-	-
53	-	-	0.30*	0.13*	0.30*	14.*	-	15.*	-	-	1.7	23	4
54	-	-	1.19*	0.51*	1.21*	56.*	-	58.*	-	-	6.7	-	-
55	-	-	0.32*	0.13*	0.32*	15.*	-	15.*	-	-	1.7	19	16
56	-	-	1.17*	0.47*	1.18*	55.*	-	55.*	-	-	6.3	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	1.09*	0.50*	1.12*	51.*	27.*	53.*	-	-	17.5		2
59	-	-	1.22*	0.57*	1.26*	57.*	30.*	59.*	-	-	19.7	-	-
60	-	-	0.95*	0.29*	0.92*	45▲*	34▲*	44▲*	-	-	3.3		3
61	-	-	1.09*	0.33*	1.05*	51▲*	39▲*	50▲*	-	-	3.8	-	-
62	-	-	-	-	-	-	-	45.*	-	-	14.9		1
63	-	-	-	-	-	-	-	50.*	-	-	16.4	-	-
64	-	-	0.94*	0.19*	0.86*	44.*	35.*	44.*	-	-	4.0		1
65	-	-	1.04*	0.21*	0.95*	48.*	38.*	48.*	-	-	4.4	-	-
66	-	-	0.28*	0.07*	0.26*	13.*	-	15.*	-	-	2.2	17	29
67	-	-	1.07*	0.28*	1.01*	50.*	-	56.*	-	-	8.4	-	-
68	-	-	0.26*	0.09*	0.25*	12.*	-	13.*	-	-	1.1		1
69	-	-	1.11*	0.37*	1.09*	52.*	-	56.*	-	-	4.8	-	-
70	-	-	0.39*		0.32*	18.*	-	23.*	-	-	2.3		1
71	-	-	0.95*	0.01*	0.79*	44.*	-	55.*	-	-	5.7	-	-
72	-	-	0.36*	0.15*	0.36*	17.*	-	19.*	-	-	1.9	23	19
73	-	-	1.18*	0.50*	1.20*	56.*	-	63.*	-	-	6.3	-	-
74	-	-	0.27*	0.12*	0.28*	13.*	-	13.*	-	-	1.7		2
75	-	-	1.21*	0.55*	1.24*	57.*	-	57.*	-	-	7.4	-	-
76	3118▲*	-	1.57*	1.05*	1.73*	68▲*	-	74▲	74▲*	-	9.7	18	11
77	3580▲*	-	1.81*	1.20*	1.99*	79▲*	-	85▲	85▲*	-	11.1	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-
08	0.7*	0.7*	0.9	1.3	-	0.7	9	4	0.1	-	-	-
09	2.7*	2.7*	3.8	5.3	-	3.0	-	-	0.3	-	-	-
10	3.0*	4.0*	5.5	1.8	-	6.9		3	0.3	-	-	-
11	3.4*	4.6*	6.2	2.1	-	7.8	-	-	0.3	-	-	-
12	11.0*	12.1*	12.1*	-	-	1.5		1	6.8	-	-	-
13	12.3*	13.5*	13.5*	-	-	1.7	-	-	7.6	-	-	-
14	-0.3	1.4*	1.0	1.5	-	0.7	5	4	0.1	-	-	-
15	-1.7	5.6*	3.9	6.0	-	3.0	-	-	0.3	-	-	-
16	5.3*	6.4*	3.5	-	-	2.1		2	0.3	0.07		2
17	5.8*	7.0*	3.8	-	-	2.3	-	-	0.3	0.08	-	-
18	1.2	1.4*	1.3	0.7	-	0.6	21	5	0.1	0.01		1
19	5.3	6.0*	5.8	3.2	-	2.4	-	-	0.3	0.05	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	3.1*	3.5*	3.0	-	-	30.4		2	2.0	0.80		2
41	3.4*	3.9*	3.3	-	-	33.6	-	-	2.2	0.89	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	0.1*	0.6*		-	-	20.8		2	3.4	-	-	-
50	0.2*	0.7*		-	-	25.1	-	-	4.1	-	-	-
51	1.1*	1.0*	1.0*	-	-	8.5	21	33	0.6	0.29		1
52	1.8*	3.5*	3.5*	-	-	28.6	-	-	2.0	0.99	-	-
53	1.9*	0.8*	0.8*	-	-	7.5	2	4	0.5	-	-	-
54	3.6*	3.2*	3.3*	-	-	30.1	-	-	2.0	-	-	-
55	0.5*	0.5*	0.5*	-	-	9.0	14	16	0.7	-	-	-
56	1.9*	1.9*	1.9*	-	-	32.8	-	-	2.7	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	12.5*	12.7*	12.7*	-	-	23.6		2	4.3	-	-	-
59	14.0*	14.2*	14.2*	-	-	26.4	-	-	4.8	-	-	-
60	0.2*	0.6*		-	-	29.1		3	1.7	-	-	-
61	0.2*	0.7*		-	-	33.3	-	-	1.9	-	-	-
62	10.1*	10.4*	10.3*	-	-	30.3		1	3.5	-	-	-
63	11.2*	11.5*	11.3*	-	-	33.4	-	-	3.9	-	-	-
64	0.7*	1.2*	0.5*	-	-	40.8		1	1.9	-	-	-
65	0.8*	1.3*	0.5*	-	-	44.9	-	-	2.1	-	-	-
66	1.3*	1.2*	1.3*	-	-	10.2	25	29	0.5	-	-	-
67	5.0*	4.7*	4.8*	-	-	39.1	-	-	1.9	-	-	-
68	0.5*	0.4*	0.3*	-	-	7.9		1	0.3	0.09		1
69	2.0*	1.6*	1.5*	-	-	33.8	-	-	1.4	0.37	-	-
70	1.1*	1.0*	1.0*	-	-	16.1		1	1.2	-	-	-
71	2.8*	2.4*	2.3*	-	-	39.5	-	-	3.0	-	-	-
72	0.6*	0.6*	0.6*	-	-	10.2	15	19	1.4	0.29		2
73	1.9*	1.9*	1.9*	-	-	33.7	-	-	4.0	0.96	-	-
74	0.7*	0.7*	0.7*	-	-	7.1		2	0.4	0.09		2
75	3.0*	3.0*	3.0*	-	-	32.1	-	-	1.7	0.38	-	-
76	5.4*	6.4*	6.5	-	-	3.6	69	11	3.4	0.16		2
77	6.2*	7.4*	7.4	-	-	4.1	-	-	3.9	0.18	-	-

Tables of Feed Composition — Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α-tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	0.20		2	1.97	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.22	-	-	2.16	-	-	-	-	-	-	-	-	-	-	-	-	-
18	0.02	0.05		1	0.52	0.02	-	-	-	-	-	-	-	-	-	-	-	-
19	0.14	0.24	-	-	2.26	0.09	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	0.31	0.27		2	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-
41	0.35	0.30	-	-	1.35	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	0.16		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	0.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	0.01	0.06		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.06	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.04		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	0.03	0.04		2	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-
75	0.12	0.20	-	-	1.17	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	0.35		2	-	-	-	-	33.2	8.8	-	739.9	-	-	-	-	-	-
77	-	0.40	-	-	-	-	-	-	38.2	10.1	-	849.6	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-GRAIN, GRND, (4)	4-09-713	86.6	2.86*	-	3.18*	3201.*	2.35*	-	2.61*
02			100.0	3.31*	-	3.68*	3696.*	2.71*	-	3.02*
03	SORGHUM VULGARE. SORGHUM, GRAIN VARIETY		-	-	-	-	-	-	-	-
04	-AERIAL PART, S-C, (1)	1-04-372	90.1	2.09*	1.55*	2.18*	-	1.72*	1.27*	1.79*
05			100.0	2.32*	1.72*	2.42*	-	1.90*	1.41*	1.98*
06	-GRAIN, (4)	4-04-383	88.4	3.06*	-	3.36*	3318.*	2.51*	-	2.75*
07			100.0	3.46*	-	3.79*	3751.*	2.84*	-	3.11*
08	-DISTILLERS GRAINS, DEHY, (5)	5-04-374	93.8	3.19*	-	3.58*	-	2.62*	-	2.93*
09	GRAIN SORGHUM DISTILLERS DRIED GRAINS		100.0	3.40*	-	3.82*	-	2.79*	-	3.13*
10	(AAFCO)		-	-	-	-	-	-	-	-
11	SORGHUM VULGARE. SORGHUM, KAFIR		-	-	-	-	-	-	-	-
12	-GRAIN, (4)	4-04-428	88.8	1.68*	-	3.53*	3618.*	1.38*	-	2.90*
13			100.0	1.89*	-	3.98*	4074.*	1.55*	-	3.26*
14	SORGHUM VULGARE. SORGHUM, MILO		-	-	-	-	-	-	-	-
15	-GRAIN, (4)	4-04-444	88.3	3.11*	-	3.68*	3371.*	2.55*	-	3.01*
16			100.0	3.53*	-	4.16*	3818.*	2.89*	-	3.41*
17	-HEADS, CHOPPED, (4)	4-04-446	89.9	2.64*	-	3.41*	3168.*	2.17*	-	2.80*
18			100.0	2.94*	-	3.79*	3524.*	2.41*	-	3.11*
19	SORGHUM VULGARE SACCHARATUM. SORGHUM, SORGO NK		-	-	-	-	-	-	-	-
20	222		-	-	-	-	-	-	-	-
21	- GRAIN, (4)	4-09-460	88.4	3.04*	-	3.38*	3329.*	2.49*	-	2.78*
22			100.0	3.44*	-	3.83*	3766.*	2.82*	-	3.14*
23	- GRAIN, GRND, (4)	4-09-461	88.6	3.11*	-	3.40*	3351.*	2.55*	-	2.79*
24			100.0	3.51*	-	3.84*	3782.*	2.88*	-	3.15*
25	SORGHUM VULGARE, SACCHARATUM. SORGHUM, SORGO		-	-	-	-	-	-	-	-
26	-SACCHARATUM SORGO, AERIAL PART, S-C, (1)	1-04-460	90.1	2.07*	1.56*	2.03*	-	1.70*	1.28*	1.66*
27			100.0	2.30*	1.73*	2.25*	-	1.88*	1.42*	1.85*
28	-SACCHARATUM SORGO, AERIAL PART, ENSILED, (3)	3-04-468	28.0	0.70*	-	0.73*	-	0.57*	-	0.60*
29			100.0	2.50*	-	2.62*	-	2.05*	-	2.15*
30	SORGHUM VULGARE, SUDANENSE. SORGHUM, SUDANGRASS		-	-	-	-	-	-	-	-
31	-SUDANENSE SUDANGRASS, HAY, S-C, (1)	1-04-480	89.8	2.11*	1.65*	2.11*	-	1.73*	1.35*	1.73*
32			100.0	2.36*	1.83*	2.35*	-	1.93*	1.50*	1.93*
33	-SUDANENSE SUDANGRASS, AERIAL	2-04-484	17.6	0.48*	-	0.49*	-	0.39*	-	0.40*
34	PART, FRESH, EARLY VEGETATIVE, (2)		100.0	2.70*	-	2.79*	-	2.22*	-	2.29*
35	-SUDANENSE SUDANGRASS, AERIAL	2-04-485	22.7	0.53*	-	0.56*	-	0.43*	-	0.46*
36	PART, FRESH, MIDBLOOM, (2)		100.0	2.33*	-	2.46*	-	1.91*	-	2.02*
37	-SUDANENSE SUDANGRASS, AERIAL PART, ENSILED, (3)	3-04-499	22.7	0.54*	-	0.57*	-	0.45*	-	0.47*
38			100.0	2.40*	-	2.53*	-	1.97*	-	2.07*
39	-SUDANENSE SUDANGRASS, GRAIN, (4)	4-08-520	87.3	3.12*	-	3.31*	3245.*	2.56*	-	2.71*
40			100.0	3.58*	-	3.79*	3717.*	2.93*	-	3.10*
41	-SUDANENSE SUDANGRASS, GRAIN,	4-09-758	57.6	2.33*	-	2.26*	2263.*	1.91*	-	1.85*
42	SOAKED AND AIR DRIED, (4)		100.0	4.05*	-	3.93*	3931.*	3.32*	-	3.22*
43	SORGHUM VULGARE, TECHNICUM. SORGHUM, BROOMCORN		-	-	-	-	-	-	-	-
44	-TECHNICUM BROOMCORN, GRAIN, GRND, (4)	4-04-348	85.0	2.51*	-	3.04*	3043.*	2.06*	-	2.49*
45			100.0	2.95*	-	3.57*	3578.*	2.42*	-	2.93*
46	SOYBEAN MEAL, DEHULLED, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
47	(AAFCO)		-	-	-	-	-	-	-	-
48	-SEE GLYCINE MAX, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
49	SOLV-EXTD GRND, MX 3% FIBER, (5)		-	-	-	-	-	-	-	-
50	SOYBEAN MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
51	-SEE GLYCINE MAX, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
52	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
53	SOYBEAN MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
54	-SEE GLYCINE MAX, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
55	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
56	SOYBEAN MEAL, MECHANICAL EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
57	-SEE GLYCINE MAX, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
58	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
59	SOYBEAN MEAL, SOLVENT EXTRACTED, TOASTED		-	-	-	-	-	-	-	-
60	-SEE GLYCINE MAX, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
61	TOASTED GRND, (5)		-	-	-	-	-	-	-	-
62	SOYBEAN MEAL, SOLVENT EXTRACTED (AAFCO)		-	-	-	-	-	-	-	-
63	-SEE GLYCINE MAX, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
64	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
65	SOYBEAN MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
66	-SEE GLYCINE MAX, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
67	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
68	SOYBEAN OIL MEAL, DEHULLED, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
69	-SEE GLYCINE MAX, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
70	SOLV-EXTD GRND, MX 3% FIBER, (5)		-	-	-	-	-	-	-	-
71	SOYBEAN OIL MEAL, EXPELLER EXTRACTED		-	-	-	-	-	-	-	-
72	-SEE GLYCINE MAX, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
73	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
74	SOYBEAN OIL MEAL, HYDRAULIC EXTRACTED		-	-	-	-	-	-	-	-
75	-SEE GLYCINE MAX, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
76	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
77	SOYBEAN OIL MEAL, SOLVENT EXTRACTED, TOASTED		-	-	-	-	-	-	-	-
78	-SEE GLYCINE MAX, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
79	TOASTED GRND, (5)		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	3073.*	-	1.47*	0.96*	1.62*	65.*	-	72.*	73.*	-	8.4	28	4
02	3548.*	-	1.69*	1.11*	1.87*	75.*	-	83.*	84.*	-	9.7	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	1.01*	0.35*	0.99*	47▲*	38▲*	49▲	-	-	6.2		2
05	-	-	1.12*	0.38*	1.10*	53▲*	42▲*	55▲	-	-	6.9	-	-
06	3185▲*	3370▲	1.60*	1.06*	1.76*	69▲*	-	76▲*	75▲*	-	8.9		1
07	3601▲*	3810▲	1.81*	1.20*	1.99*	79▲*	-	86▲*	85▲*	-	10.0	-	-
08	-	-	1.66*	1.10*	1.82*	72▲*	-	81▲*	-	-	31.2		1
09	-	-	1.76*	1.17*	1.94*	77▲*	-	87▲*	-	-	33.3	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	2911.*	-	0.83*	0.02*	0.68*	38.*	-	80.	82.	-	10.6	6	7
13	3277.*	-	0.94*	0.03*	0.76*	43.*	-	90.	92.	-	12.0	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	2753▲*	-	1.64*	1.09*	1.80*	71▲	-	83▲	76▲	-	10.4	12	4
16	3118▲*	-	1.86*	1.24*	2.04*	80▲	-	94▲	87▲	-	11.8	-	-
17	3042.*	-	1.30*	0.79*	1.42*	60.*	-	77.	72.*	-	9.2		2
18	3383.*	-	1.45*	0.87*	1.58*	67.*	-	86.	80.*	-	10.2	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	3196.*	-	1.58*	1.05*	1.74*	69.*	-	77.*	76.*	-	6.3		1
22	3615.*	-	1.79*	1.19*	1.97*	78.*	-	87.*	85.*	-	7.1	-	-
23	3217.*	-	1.63*	1.09*	1.80*	71.*	-	77.*	76.*	-	7.3		1
24	3631.*	-	1.84*	1.23*	2.03*	80.*	-	87.*	86.*	-	8.2	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	1.00*	0.33*	0.97*	47▲*	38▲*	46▲*	-	-	6.1		1
27	-	-	1.11*	0.36*	1.08*	52▲*	43▲*	51▲*	-	-	6.8	-	-
28	-	-	0.34*	0.15*	0.35*	16▲	-	17▲	-	-	1.9	15	4
29	-	-	1.21*	0.54*	1.24*	57▲	-	59▲	-	-	6.8	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	1.02*	0.37*	1.01*	48▲*	41▲*	48▲*	-	-	9.4		2
32	-	-	1.14*	0.42*	1.12*	53▲*	46▲*	53▲*	-	-	10.5	-	-
33	-	-	0.23*	0.12*	0.25*	11▲*	-	11▲*	-	-	3.0		1
34	-	-	1.32*	0.70*	1.39*	61▲*	-	63▲*	-	-	16.8	-	-
35	-	-	0.26*	0.09*	0.25*	12▲*	-	13▲*	-	-	2.0		1
36	-	-	1.1[illegible]	0.39*	1.10*	53▲*	-	56▲*	-	-	8.7	-	-
37	-	-	0.26*	0.10*	0.26*	12▲*	-	13▲	-	-	2.6		3
38	-	-	1.16*	0.45*	1.16*	54▲*	-	57▲	-	-	11.3	-	-
39	3115.*	-	1.66*	1.10*	1.82*	71.*	-	75.*	74.*	-	9.1		1
40	3568.*	-	1.90*	1.27*	2.08*	81.*	-	86.*	84.*	-	10.4	-	-
41	2172.*	-	1.33*	0.86*	1.41*	53.*	-	51.*	51.*	-	10.7		3
42	3774.*	-	2.31*	1.49*	2.45*	92.*	-	89.*	89.*	-	18.6	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	2022▲*	-	1.24*	0.75*	1.35*	57▲*	-	69▲*	69▲*	-	5.9		2
45	3435▲*	-	1.46*	0.89*	1.59*	67▲*	-	81▲*	81▲*	-	7.0	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	4.3*	5.3*	5.3*	-	-	5.0	98	4	2.9	-	-	-
02	5.0*	6.2*	6.2*	-	-	5.7	-	-	3.3	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	2.6*	3.1*	2.4	-	-	26.1		2	1.7	-	-	-
05	2.9*	3.4*	2.6	-	-	28.9	-	-	1.9	-	-	-
06	4.6*	5.7*	5.7*	-	-	2.3		1	3.1	0.03		1
07	5.2*	6.4*	6.4*	-	-	2.6	-	-	3.5	0.03	-	-
08	-	-	-	-	-	12.3		1	8.4	0.14		1
09	-	-	-	-	-	13.1	-	-	9.0	0.15	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	4.4	7.3*	8.6	8.2	-	4.0	98	5	2.9	0.03		1
13	4.9	8.2*	9.7	9.2	-	4.5	-	-	3.3	0.03	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	5.9	7.1*	8.1	7.4	-	2.3	12	4	2.8	0.03		1
16	6.7	8.0*	9.2	8.4	-	2.6	-	-	3.1	0.03	-	-
17	4.9*	5.9*	7.0	-	-	7.0		2	2.5	0.12		2
18	5.4*	6.6*	7.8	-	-	7.8	-	-	2.7	0.13	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	2.3*	3.3*	3.3*	-	-	2.3		1	3.1	-	-	-
22	2.6*	3.8*	3.8*	-	-	2.6	-	-	3.5	-	-	-
23	3.2*	4.2*	4.2*	-	-	2.1		1	2.9	-	-	-
24	3.6*	4.8*	4.8*	-	-	2.4	-	-	3.3	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	2.5*	3.0*	2.4*	-	-	30.2		2	1.8	-	-	-
27	2.8*	3.3*	2.6*	-	-	33.5	-	-	2.0	-	-	-
28	0.5	0.7*	0.4	-	-	6.5	10	8	0.7	0.09		2
29	1.8	2.4*	1.6	-	-	23.3	-	-	2.5	0.33	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	5.4*	5.8*	4.6	-	-	26.8	7	4	1.6	0.36		1
32	6.1*	6.5*	5.2	-	-	29.8	-	-	1.7	0.40	-	-
33	2.1*	2.1*	2.2*	-	-	5.4		1	0.7	-	-	-
34	12.2*	11.8*	12.6*	-	-	30.9	-	-	3.9	-	-	-
35	1.2*	1.1*	1.2*	-	-	8.2		1	0.4	-	-	-
36	5.3*	4.9*	5.1*	-	-	36.1	-	-	1.8	-	-	-
37	1.5*	1.5*	1.8	-	-	8.3		3	0.7	0.12		2
38	6.5*	6.5*	7.8	-	-	36.6	-	-	3.1	0.53	-	-
39	4.9*	5.9*	5.9*	-	-	2.7		1	5.5	-	-	-
40	5.6*	6.8*	6.8*	-	-	3.1	-	-	6.3	-	-	-
41	7.5*	8.2*	8.2*	-	-	2.6		3	5.5	-	-	-
42	13.1*	14.3*	14.3*	-	-	4.6	-	-	9.6	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	2.0*	3.1*	3.1*	-	-	5.5	50	4	3.9	-	-	-
45	2.4*	3.6*	3.6*	-	-	6.4	-	-	4.6	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Food Composition -- Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.29		1	-	0.16	-	449*	41.1	11.7	-	1.1	-	-	0.15	0.29	0.12	0.10
07	-	0.32	-	-	-	0.18	-	508*	46.5	13.2	-	1.3	-	-	0.17	0.32	0.14	0.11
08	-	0.59		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	0.15	0.31		1	0.34	0.16	-	-	39.9	12.4	-	1.3	-	-	-	0.26	0.19	0.16
13	0.17	0.35	-	-	0.38	0.18	-	-	44.9	14.0	-	1.5	-	-	-	0.29	0.22	0.18
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	0.13	0.28		1	0.35	-	-	-	40.0	10.3	-	0.9	-	-	0.19	0.20	0.25	0.21
16	0.15	0.31	-	-	0.39	-	-	-	45.3	11.6	-	1.0	-	-	0.21	0.23	0.29	0.24
17	-	0.25		2	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-
18	-	0.28	-	-	-	-	-	-	-	-	-	1.6	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	0.08	0.06		2	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-
29	0.27	0.20	-	-	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	0.27		1	1.89	0.05	-	-	-	-	-	-	-	-	-	-	-	-
32	-	0.30	-	-	2.10	0.06	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	0.11	0.04		2	0.70	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.49	0.19	-	-	3.07	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	SOYBEAN OIL MEAL, SOLVENT EXTRACTED		-	-	-	-	-	-	-	-
02	-SEE GLYCINE MAX, SEEDS, SOLV-EXTD		-	-	-	-	-	-	-	-
03	GRND, MX 7% FIBER, (5)		-	-	-	-	-	-	-	-
04	SOYBRAN FLAKES		-	-	-	-	-	-	-	-
05	-SEE GLYCINE MAX, HULLS, (1)		-	-	-	-	-	-	-	-
06	SPOROBOLUS INDICUS. SMUTGRASS, WEST INDIES		-	-	-	-	-	-	-	-
07	-HAY, S-C, (1)	1-09-452	90.5	2.12*	1.48*	2.05*	-	1.74*	1.21*	1.68*
08			100.0	2.34*	1.63*	2.27*	-	1.92*	1.34*	1.86*
09	-AERIAL PART, FRESH, (2)	2-10-085	36.0	-	-	-	-	-	-	-
10			100.0	-	-	-	-	-	-	-
11	SPOROBOLUS POIRETII. SMUTGRASS, RATTAIL			-	-	-	-	-	-	-
12	-AERIAL PART, FRESH, (2)	2-10-238	36.0	-	-	-	-	-	-	-
13			100.0	-	-	-	-	-	-	-
14	SUNCURED ALFALFA MEAL (AAFCO)		-	-	-	-	-	-	-	-
15	-SEE MEDICAGO SATIVA, HAY, S-C GRND,		-	-	-	-	-	-	-	-
16	(1)		-	-	-	-	-	-	-	-
17	SUNFLOWER MEAL (AAFCO)		-	-	-	-	-	-	-	-
18	-SEE HELIANTHUS SPP, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
19	MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
20	SUNFLOWER MEAL (AAFCO)		-	-	-	-	-	-	-	-
21	-SEE HELIANTHUS SPP, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
22	SOLV-EXTD GRND, (5)		-	-	-	-	-	-	-	-
23	SUNFLOWER OIL MEAL, WITHOUT HULLS, EXPELLER		-	-	-	-	-	-	-	-
24	EXTRACTED		-	-	-	-	-	-	-	-
25	-SEE HELIANTHUS SPP, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
26	MECH-EXTD GRND, (5)		-	-	-	-	-	-	-	-
27	SUNFLOWER OIL MEAL, WITHOUT HULLS, EXTRACTION		-	-	-	-	-	-	-	-
28	UNSPECIFIED		-	-	-	-	-	-	-	-
29	-SEE HELIANTHUS SPP, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
30	EXTN UNSPECIFIED GRND, (5)		-	-	-	-	-	-	-	-
31	SUNFLOWER OIL MEAL, WITHOUT HULLS, SOLVENT		-	-	-	-	-	-	-	-
32	EXTRACTED		-	-	-	-	-	-	-	-
33	-SEE HELIANTHUS SPP, SEEDS WO HULLS,		-	-	-	-	-	-	-	-
34	SOLV-EXTD GRND, (5)		-	-	-	-	-	-	-	-
35	SUNFLOWER SEED MEAL, EXPELLER		-	-	-	-	-	-	-	-
36	-SEE HELIANTHUS SPP, SEEDS, MECH EXTD		-	-	-	-	-	-	-	-
37	GRND, (5)		-	-	-	-	-	-	-	-
38	SUS SCROFA. SWINE		-	-	-	-	-	-	-	-
39	-LARD, (4)	4-04-790	-	-	-	-	-	-	-	-
40			100.0	-	-	-	7760.	-	-	-
41	-CRACKLINGS, DRY RENDERED DEHY, (5)	5-04-791	96.0	-	-	4.35*	-	-	-	3.57*
42			100.0	-	-	4.53*	-	-	-	3.72*
43	-CRACKLINGS, GRND, (5)	5-04-789	94.6	-	-	-	-	-	-	-
44			100.0	-	-	-	-	-	-	-
45	SWEETPOTATO MEAL		-	-	-	-	-	-	-	-
46	-SEE IPOMOEA BATATAS, ROOTS, DEHY		-	-	-	-	-	-	-	-
47	GRND, (4)		-	-	-	-	-	-	-	-
48	TAPIOCA FLOUR		-	-	-	-	-	-	-	-
49	-SEE MANIHOT ESCULENTA COMMON, ROOT		-	-	-	-	-	-	-	-
50	FLOUR, FINE GRND, (4)		-	-	-	-	-	-	-	-
51	THEOBROMA CACAO. CACAO		-	-	-	-	-	-	-	-
52	-HULLS, (1)	1-01-051	85.9	2.47*	1.64*	2.34*	-	2.02*	1.34*	1.92*
53			100.0	2.87*	1.91*	2.72*	-	2.35*	1.56*	2.23*
54	-SHELLS, GRND, (1)	1-01-568	85.8	2.16*	1.62*	2.08*	-	1.77*	1.33*	1.71*
55			100.0	2.52*	1.89*	2.42*	-	2.06*	1.55*	1.99*
56	-SEEDS, GRND, (5)	5-01-569	83.1	2.49*	-	2.53*	-	2.04*	-	2.08*
57			100.0	3.00*	-	3.05*	-	2.46*	-	2.50*
58	TORULA DRIED YEAST (AAFCO)		-	-	-	-	-	-	-	-
59	-SEE TORULOPSIS UTILIS TORULOPSIS,		-	-	-	-	-	-	-	-
60	DEHY, MN 40% PROTEIN, (7)		-	-	-	-	-	-	-	-
61	TORULOPSIS UTILIS. YEAST, TORULOPSIS		-	-	-	-	-	-	-	-
62	-DEHY, MN 40% PROTEIN, (7)	7-05-534	89.9	-	-	3.00*	-	-	-	2.46*
63	TORULA DRIED YEAST (AAFCO)		100.0	-	-	3.33*	-	-	-	2.73*
64	TRACHYPOGON PLUMOSUS. STEEKGRASS		-	-	-	-	-	-	-	-
65	-AERIAL PART, FRESH, GERMINATED, (2)	2-10-256	15.8	0.33*	-	0.38*	-	0.27*	-	0.31*
66			100.0	2.10*	-	2.38*	-	1.72*	-	1.95*
67	-AERIAL PART, FRESH, RIPE SEED, (2)	2-10-257	22.6	0.47*	-	0.55*	-	0.39*	-	0.45*
68			100.0	2.10*	-	2.42*	-	1.72*	-	1.98*
69	TRIFOLIUM HYBRIDUM. CLOVER, ALSIKE		-	-	-	-	-	-	-	-
70	-HAY, S-C, (1)	1-01-313	87.6	2.22*	1.71*	2.18*	-	1.82*	1.40*	1.79*
71			100.0	2.53*	1.95*	2.49*	-	2.08*	1.60*	2.04*
72	-HAY, S-C, LATE BLOOM, (1)	1-01-310	19.0	0.47*	0.37*	0.45*	-	0.39*	0.30*	0.37*
73			100.0	2.49*	1.94*	2.39*	-	2.05*	1.59*	1.96*
74	-AERIAL PART, FRESH, (2)	2-01-316	22.4	0.71*	-	0.70*	-	0.58*	-	0.58*
75			100.0	3.16*	-	3.15*	-	2.59*	-	2.58*
76	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON AUBURN		-	-	-	-	-	-	-	-
77	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-183	-	-	-	-	-	-	-	-
78			100.0	2.64*	-	2.75*	-	2.16*	-	2.26*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-		-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	1.02*	0.37*	1.01*	48.*	36.*	47.*	-	-	4.9		2
08	-	-	1.13*	0.40*	1.11*	53.*	40.*	51.*	-	-	5.4	-	-
09	-	-	-	-	-	-	-	-	-	-	2.9	57	6
10	-	-	-	-	-	-	-	-	-	-	8.0	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	3.4		2
13	-	-	-	-	-	-	-	-	-	-	9.5	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	7700.	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	99▲*	-	-	53.4		2
42	-	-	-	-	-	-	-	103▲*	-	-	55.6	-	-
43	-	-	-	-	-	-	-	-	-	-	61.1		1
44	-	-	-	-	-	-	-	-	-	-	64.6	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	1.21*	0.71*	1.31*	56▲*	41▲*	53▲*	-	-	11.0		2
53	-	-	1.41*	0.83*	1.53*	65▲*	47▲*	62▲*	-	-	12.8	-	-
54	-	-	1.04*	0.47*	1.07*	49.*	40.*	47.*	-	-	7.0		1
55	-	-	1.22*	0.55*	1.25*	57.*	47.*	55.*	-	-	8.1	-	-
56	-	-	1.24*	0.76*	1.35*	57.*	-	57.*	-	-	17.9		1
57	-	-	1.49*	0.92*	1.63*	68.*	-	69.*	-	-	21.5	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	2362▲	-	-	-	-	-	68▲*	-	-	29.3		1
63	-	2627▲	-	-	-	-	-	76▲*	-	-	32.6	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	0.16*	0.03*	0.15*	8.*	-	9.*	-	-	0.6		1
66	-	-	1.02*	0.18*	0.92*	48.*	-	54.*	-	-	3.9	-	-
67	-	-	0.23*	0.04*	0.21*	11.*	-	12.*	-	-	0.7		3
68	-	-	1.02*	0.17*	0.92*	48.*	-	55.*	-	-	3.3	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	1.07*	0.50*	1.11*	50▲*	43▲*	49▲	-	-	12.4		2
71	-	-	1.23*	0.57*	1.26*	57▲*	49▲*	56▲	-	-	14.2	-	-
72	-	-	0.23*	0.10*	0.23*	11▲*	9▲*	10▲*	-	-	1.6		2
73	-	-	1.20*	0.53*	1.23*	56▲*	48▲*	54▲*	-	-	8.4	-	-
74	-	-	0.36*	0.23*	0.39*	16▲*	-	16▲*	-	-	4.0		2
75	-	-	1.59*	1.02*	1.75*	72▲*	-	71▲*	-	-	18.1	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-		1
78	-	-	1.28*	0.65*	1.34*	60.*	-	62.*	-	-	18.6	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	1.4*	1.9*	1.3*	-	-	32.7		2	1.8	-	-	-
08	1.6*	2.1*	1.4*	-	-	36.1	-	-	1.9	-	-	-
09	1.7*	1.5*	1.6*	-	-	-	-	-	-	0.08	40	6
10	4.7*	4.3*	4.4*	-	-	-	-	-	-	0.22	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	2.1*	2.0*	2.1*	-	-	-	-	-	-	-	-	-
13	5.9*	5.6*	5.8*	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-		-	-	-
41	-	-	-	-	-	1.4		2	37.0	-	-	-
42	-	-	-	-	-	1.4	-	-	38.6	-	-	-
43	-	-	-	-	-	0.7		1	30.3	-	-	-
44	-	-	-	-	-	0.7	-	-	32.0	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	6.9*	7.2*	6.9*	-	-	19.2		2	3.7	0.40		2
53	8.0*	8.4*	8.1*	-	-	22.4	-	-	4.3	0.46	-	-
54	3.4*	3.8*	3.3*	-	-	23.4		2	2.3	-	-	-
55	4.0*	4.4*	3.9*	-	-	27.2	-	-	2.7	-	-	-
56	-	-	-	-	-	7.7		1	7.9	-	-	-
57	-	-	-	-	-	9.3	-	-	9.6	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	5.3		1	0.6	0.55		2
63	-	-	-	-	-	5.9	-	-	0.6	0.61	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	0.2*	0.1*	0.1*	-	-	5.8		1	0.3	0.01		1
66	1.2*	0.8*	0.6*	-	-	36.8	-	-	1.7	0.03	-	-
67	0.2*	0.1*		-	-	8.3		3	0.3	0.02		3
68	0.7*	0.3*		-	-	36.6	-	-	1.5	0.07	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	8.1*	8.4*	8.3	-	-	26.4		2	2.4	1.13		1
71	9.2*	9.5*	9.5	-	-	30.1	-	-	2.7	1.29	-	-
72	0.8*	0.9*	0.8*	-	-	5.6		1	0.6	-	-	-
73	4.2*	4.7*	4.1*	-	-	29.5	-	-	2.9	-	-	-
74	3.0*	2.9*	3.1*	-	-	5.2		2	0.8	0.31		2
75	13.2*	12.9*	13.8*	-	-	23.3	-	-	3.6	1.36	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-		1	-	-	-	-
78	13.7*	13.3*	14.3*	-	-	30.1	-	-	3.0	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.06	41	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	0.35	0.17		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	0.41	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	0.13	1.63		2	1.81	-	-	2801	486.6	70.9	-	43.2	-	-	0.58	3.69	0.78	0.49
63	0.14	1.81	-	-	2.02	-	-	3116	541.2	78.8	-	48.1	-	-	0.65	4.10	0.86	0.54
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.62		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	0.01		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	0.23		1	2.41	0.18	-	-	-	-	-	-	-	-	-	-	-	-
71	-	0.26	-	-	2.74	0.21	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	0.07	0.06		2	0.60	0.05	-	-	-	-	-	2.0	-	-	-	-	-	-
75	0.32	0.29	-	-	2.70	0.22	-	-	-	-	-	8.9	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-184	-	-	-	-	-	-	-	-
02	CUT 1, (2)		100.0	2.85*	-	2.95*	-	2.34*	-	2.42*
03	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON AUTANGA		-	-	-	-	-	-	-	-
04	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-177	-	-	-	-	-	-	-	-
05			100.0	2.76*	-	2.59*	-	2.27*	-	2.13*
06	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-178	-	-	-	-	-	-	-	-
07	CUT 1, (2)		100.0	-	-	2.55*	-	-	-	2.09*
08	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON COMMON		-	-	-	-	-	-	-	-
09	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-187	-	-	-	-	-	-	-	-
10			100.0	2.54*	-	2.83*	-	2.08*	-	2.32*
11	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-188	-	-	-	-	-	-	-	-
12	CUT 1, (2)		100.0	2.58*	-	2.72*	-	2.11*	-	2.23*
13	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON DIXIE		-	-	-	-	-	-	-	-
14	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-175	-	-	-	-	-	-	-	-
15			100.0	2.71*	-	2.57*	-	2.22*	-	2.11*
16	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-176	-	-	-	-	-	-	-	-
17	CUT 1, (2)		100.0	2.50*	-	2.64*	-	2.05*	-	2.16*
18	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON KENTUCKY		-	-	-	-	-	-	-	-
19	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-179	-	-	-	-	-	-	-	-
20			100.0	2.51*	-	2.78*	-	2.06*	-	2.28*
21	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-180	-	-	-	-	-	-	-	-
22	CUT 1, (2)		100.0	2.81*	-	2.87*	-	2.31*	-	2.35*
23	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON		-	-	-	-	-	-	-	-
24	MISSISSIPPI		-	-	-	-	-	-	-	-
25	- AERIAL PART, FRESH, EARLY BLOOM, CUT	2-10-181	-	-	-	-	-	-	-	-
26	1, (2)		100.0	-	-	2.96*	-	-	-	2.43*
27	- AERIAL PART, FRESH FERTILIZED, EARLY	2-10-182	-	-	-	-	-	-	-	-
28	BLOOM, CUT 1, (2)		100.0	2.62*	-	2.81*	-	2.14*	-	2.30*
29	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON TALLADEGA		-	-	-	-	-	-	-	-
30	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-185	-	-	-	-	-	-	-	-
31			100.0	2.56*	-	2.81*	-	2.10*	-	2.30*
32	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-186	-	-	-	-	-	-	-	-
33	CUT 1, (2)		100.0	2.87*	-	2.83*	-	2.36*	-	2.32*
34	TRIFOLIUM INCARNATUM. CLOVER, CRIMSON		-	-	-	-	-	-	-	-
35	-HAY, S-C, (1)	1-01-328	88.9	2.45*	1.76*	2.03*	-	2.01*	1.44*	1.66*
36			100.0	2.75*	1.98*	2.28*	-	2.26*	1.62*	1.87*
37	-AERIAL PART, FRESH, (2)	2-01-336	17.5	0.49*	-	0.50*	-	0.40*	-	0.41*
38			100.0	2.81*	-	2.86*	-	2.31*	-	2.35*
39	TRIFOLIUM PRATENSE. CLOVER, RED KENLAND		-	-	-	-	-	-	-	-
40	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-161	-	-	-	-	-	-	-	-
41			100.0	2.67*	-	2.84*	-	2.19*	-	2.33*
42	-AERIAL PART,	2-10-162	-	-	-	-	-	-	-	-
43	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.67*	-	2.86*	-	2.19*	-	2.35*
44	(2)		-	-	-	-	-	-	-	-
45	TRIFOLIUM PRATENSE. CLOVER, RED LOUISANA		-	-	-	-	-	-	-	-
46	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-159	-	-	-	-	-	-	-	-
47			100.0	2.64*	-	2.74*	-	2.17*	-	2.25*
48	TRIFOLIUM PRATENSE. CLOVER, RED LOUISIANA		-	-	-	-	-	-	-	-
49	-AERIAL PART,	2-10-160	-	-	-	-	-	-	-	-
50	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.70*	-	2.80*	-	2.21*	-	2.30*
51	(2)		-	-	-	-	-	-	-	-
52	TRIFOLIUM PRATENSE. CLOVER, RED NOLIN		-	-	-	-	-	-	-	-
53	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-152	-	-	-	-	-	-	-	-
54			100.0	2.73*	-	2.87*	-	2.24*	-	2.35*
55	-AERIAL PART,	2-10-153	-	-	-	-	-	-	-	-
56	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.66*	-	2.73*	-	2.18*	-	2.24*
57	(2)		-	-	-	-	-	-	-	-
58	TRIFOLIUM PRATENSE. CLOVER, RED PENNSCOTT		-	-	-	-	-	-	-	-
59	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-157	-	-	-	-	-	-	-	-
60			100.0	2.80*	-	2.93*	-	2.30*	-	2.40*
61	-AERIAL PART,	2-10-158	-	-	-	-	-	-	-	-
62	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.61*	-	2.78*	-	2.14*	-	2.28*
63	(2)		-	-	-	-	-	-	-	-
64	TRIFOLIUM PRATENSE. CLOVER, RED PORT GIBSON		-	-	-	-	-	-	-	-
65	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-155	-	-	-	-	-	-	-	-
66			100.0	2.53*	-	2.74*	-	2.07*	-	2.25*
67	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-156	-	-	-	-	-	-	-	-
68	CUT 1, (2)		100.0	-	-	2.75*	-	-	-	2.26*
69	TRIFOLIUM PRATENSE. CLOVER, RED SANFORD		-	-	-	-	-	-	-	-
70	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-143	-	-	-	-	-	-	-	-
71			100.0	-	-	3.08*	-	-	-	2.53*
72	-AERIAL PART,	2-10-154	-	-	-	-	-	-	-	-
73	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.76*	-	2.82*	-	2.26*	-	2.32*
74	(2)		-	-	-	-	-	-	-	-
75	TRIFOLIUM PRATENSE. CLOVER, RED		-	-	-	-	-	-	-	-
76	-HAY, S-C, (1)	1-01-415	88.3	2.25*	1.63*	2.27*	-	1.85*	1.33*	1.86*
77			100.0	2.55*	1.84*	2.57*	-	2.09*	1.51*	2.10*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25 No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-		1
02	-	-	1.40*	0.81*	1.51*	65.*	-	67.*	-	-	19.4	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-		1
05	-	-	1.35*	0.75*	1.44*	63.*	-	59.*	-	-	17.5	-	-
06	-	-	-	-	-	-	-	-	-	-	-		1
07	-	-	-	-	-	-	-	58.*	-	-	13.9	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-		1
10	-	-	1.23*	0.57*	1.27*	58.*	-	64.*	-	-	19.3	-	-
11	-	-	-	-	-	-	-	-	-	-	-		1
12	-	-	1.25*	0.60*	1.30*	58.*	-	62.*	-	-	19.7	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-		1
15	-	-	1.32*	0.71*	1.40*	62.*	-	58.*	-	-	16.5	-	-
16	-	-	-	-	-	-	-	-	-	-	-		1
17	-	-	1.21*	0.54*	1.24*	57.*	-	60.*	-	-	16.6	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-		1
20	-	-	1.22*	0.55*	1.25*	57.*	-	63.*	-	-	19.7	-	-
21	-	-	-	-	-	-	-	-	-	-	-		1
22	-	-	1.38*	0.79*	1.48*	64.*	-	65.*	-	-	19.1	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-		1
26	-	-	-	-	-	-	-	67.*	-	-	21.5	-	-
27	-	-	-	-	-	-	-	-	-	-	-		1
28	-	-	1.27*	0.63*	1.33*	59.*	-	64.*	-	-	20.5	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-		1
31	-	-	1.24*	0.59*	1.29*	58.*	-	64.*	-	-	19.8	-	-
32	-	-	-	-	-	-	-	-	-	-	-		1
33	-	-	1.41*	0.83*	1.53*	65.*	-	64.*	-	-	18.0	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	1.19*	0.66*	1.27*	55▲	44▲*	46▲	-	-	14.9	3	4
36	-	-	1.34*	0.74*	1.43*	62▲	50▲*	52▲	-	-	16.7	-	-
37	-	-	0.24*	0.14*	0.26*	11▲*	-	11▲*	-	-	3.0		2
38	-	-	1.38*	0.79*	1.48*	64▲*	-	65▲*	-	-	17.0	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-		1
41	-	-	1.30*	0.68*	1.37*	61.*	-	64.*	-	-	21.9	-	-
42	-	-	-	-	-	-	-	-	-	-	-		1
43	-	-	1.30*	0.68*	1.37*	61.*	-	65.*	-	-	22.9	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-		3
47	-	-	1.28*	0.66*	1.35*	60.*	-	62.*	-	-	19.6	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-		3
50	-	-	1.31*	0.70*	1.39*	61.*	-	64.*	-	-	22.2	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-		2
54	-	-	1.33*	0.73*	1.42*	62.*	-	65.*	-	-	21.1	-	-
55	-	-	-	-	-	-	-	-	-	-	-		2
56	-	-	1.29*	0.67*	1.36*	60.*	-	62.*	-	-	22.0	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-		1
60	-	-	1.37*	0.78*	1.47*	64.*	-	66.*	-	-	22.7	-	-
61	-	-	-	-	-	-	-	-	-	-	-		1
62	-	-	1.27*	0.63*	1.33*	59.*	-	63.*	-	-	21.9	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-		2
66	-	-	1.22*	0.56*	1.26*	57.*	-	62.*	-	-	22.6	-	-
67	-	-	-	-	-	-	-	-	-	-	-		2
68	-	-	-	-	-	-	-	62.*	-	-	25.0	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-		1
71	-	-	-	-	-	-	-	70.*	-	-	24.0	-	-
72	-	-	-	-	-	-	-	-	-	-	-		1
73	-	-	1.35*	0.74*	1.44*	63.*	-	64.*	-	-	23.5	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	1.09*	0.51*	1.13*	51▲	40▲	51▲	-	-	15.9	32	4
77	-	-	1.23*	0.58*	1.27*	58▲	46▲	58▲	-	-	18.0	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Conf. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Conf. Var.	Calcium No Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-		1	-	-	-	-
02	14.4*	14.0*	15.1*	-	-	27.9	-	-	5.1	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-		1	-	-	-	-
05	12.7*	12.4*	13.3*	-	-	35.8	-	-	1.6	-	-	-
06	-	-	-	-	-	-		1	-	-	-	-
07	9.7*	9.4*	10.0*	-	-	39.6	-	-	2.2	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-		1	-	-	-	-
10	14.3*	13.9*	15.0*	-	-	30.0	-	-	4.1	-	-	-
11	-	-	-	-	-	-		1	-	-	-	-
12	14.7*	14.3*	15.4*	-	-	29.5	-	-	2.9	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-		1	-	-	-	-
15	11.9*	11.6*	12.4*	-	-	34.8	-	-	1.6	-	-	-
16	-	-	-	-	-	-		1	-	-	-	-
17	12.0*	11.6*	12.5*	-	-	35.4	-	-	2.6	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-		1	-	-	-	-
20	14.6*	14.3*	15.4*	-	-	31.0	-	-	3.5	-	-	-
21	-	-	-	-	-	-		1	-	-	-	-
22	14.2*	13.8*	14.8*	-	-	26.5	-	-	4.1	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-		1	-	-	-	-
26	16.1*	15.7*	17.0*	-	-	29.0	-	-	4.8	-	-	-
27	-	-	-	-	-	-		1	-	-	-	-
28	15.3*	14.9*	16.1*	-	-	27.8	-	-	3.5	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-		1	-	-	-	-
31	14.7*	14.4*	15.5*	-	-	29.1	-	-	3.8	-	-	-
32	-	-	-	-	-	-		1	-	-	-	-
33	13.2*	12.8*	13.8*	-	-	23.9	-	-	3.0	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	10.4	10.4*	10.1	-	-	24.6	34	5	2.4	1.22		1
36	11.7	11.7*	11.4	-	-	27.7	-	-	2.7	1.37	-	-
37	2.2*	2.1*	2.3	-	-	4.9		2	0.6	0.24		1
38	12.3*	11.9*	13.1	-	-	27.7	-	-	3.3	1.38	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-		1	-	-	-	-
41	16.5*	16.1*	17.4*	-	-	22.6	-	-	3.4	-	-	-
42	-	-	-	-	-	-		1	-	-	-	-
43	17.4*	17.0*	18.3*	-	-	22.2	-	-	3.5	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-		3	-	-	-	-
47	14.5*	14.1*	15.2*	-	-	25.2	-	-	2.8	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-		3	-	-	-	-
50	16.8*	16.4*	17.7*	-	-	22.4	-	-	2.6	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-		2	-	-	-	-
54	15.8*	15.4*	16.6*	-	-	25.6	-	-	3.8	-	-	-
55	-	-	-	-	-	-		2	-	-	-	-
56	16.6*	16.2*	17.5*	-	-	27.3	-	-	2.5	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-		1	-	-	-	-
60	17.2*	16.8*	18.1*	-	-	20.8	-	-	3.8	-	-	-
61	-	-	-	-	-	-		1	-	-	-	-
62	16.5*	16.1*	17.4*	-	-	23.4	-	-	3.0	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-		2	-	-	-	-
66	17.1*	16.7*	18.1*	-	-	22.6	-	-	2.7	-	-	-
67	-	-	-	-	-	-		2	-	-	-	-
68	19.1*	18.8*	20.3*	-	-	22.2	-	-	1.9	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-		1	-	-	-	-
71	18.3*	17.9*	19.3*	-	-	31.1	-	-	5.1	-	-	-
72	-	-	-	-	-	-		1	-	-	-	-
73	17.9*	17.5*	18.9*	-	-	23.2	-	-	2.4	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-
76	9.5	8.6	9.6	-	-	22.8	55	4	2.0	1.28		1
77	10.8	9.7	10.9	-	-	25.8	-	-	2.2	1.45	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.26	0.24		1	2.71	0.25	-	-	-	-	-	-	-	-	-	-	-	-
36	0.29	0.27	-	-	3.12	0.28	-	-	-	-	-	-	-	-	-	-	-	-
37	0.05	0.05		1	0.54	0.05	-	-	-	-	-	-	-	-	-	-	-	-
38	0.29	0.29	-	-	3.10	0.28	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	0.37	0.20		1	1.65	0.14	-	-	37.3	9.9	-	15.7	-	-	-	-	-	-
77	0.42	0.23	-	-	1.87	0.16	-	-	42.2	11.2	-	17.7	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter %	DE Cattle Mcal/kg	DE Horse Mcal/kg	DE Sheep Mcal/kg	DE Swine kcal/kg	ME Cattle Mcal/kg	ME Horse Mcal/kg	ME Sheep Mcal/kg
01	-AERIAL PART, FRESH, (2)	2-01-434	18.0	0.53*	-	0.51*	-	0.44*	-	0.42*
02			100.0	2.97*	-	2.86*	-	2.43*	-	2.34*
03	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-01-428	19.7	0.60*	-	0.59*	-	0.49*	-	0.48*
04			100.0	3.03*	-	2.99*	-	2.48*	-	2.45*
05	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-01-429	25.6	0.77*	-	0.72*	-	0.63*	-	0.59*
06			100.0	3.01*	-	2.83*	-	2.46*	-	2.32*
07	-AERIAL PART, FRESH, CUT 2, (2)	2-01-432	27.3	0.76*	-	0.84*	-	0.62*	-	0.69*
08			100.0	2.78*	-	3.09*	-	2.28*	-	2.53*
09	-SEEDS, (5)	5-08-004	87.8	2.97*	-	3.41*	-	2.44*	-	2.80*
10			100.0	3.39*	-	3.88*	-	2.78*	-	3.18*
11	-SEED SCREENINGS, (5)	5-08-005	90.3	2.91*	-	3.09*	-	2.38*	-	2.54*
12			100.0	3.22*	-	3.42*	-	2.64*	-	2.81*
13	TRIFOLIUM REPENS. CLOVER, LADINO OREGON		-	-	-	-	-	-	-	-
14	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-171	-	-	-	-	-	-	-	-
15			100.0	2.60*	-	2.81*	-	2.14*	-	2.30*
16	-AERIAL PART,	2-10-172	-	-	-	-	-	-	-	-
17	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.55*	-	2.72*	-	2.09*	-	2.23*
18	(2)		-	-	-	-	-	-	-	-
19	TRIFOLIUM REPENS. CLOVER, LADINO WISCONSIN		-	-	-	-	-	-	-	-
20	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-163	-	-	-	-	-	-	-	-
21			100.0	2.64*	-	2.71*	-	2.17*	-	2.23*
22	-AERIAL PART, FRESH FERTILIZED, EARLY BLOOM,	2-10-164	-	-	-	-	-	-	-	-
23	CUT 1, (2)		100.0	2.71*	-	2.77*	-	2.22*	-	2.27*
24	TRIFOLIUM REPENS. CLOVER, LADINO		-	-	-	-	-	-	-	-
25	-HAY, S-C, (1)	1-01-378	89.5	2.53*	1.94*	2.66*	-	2.08*	1.59*	2.18*
26			100.0	2.83*	2.17*	2.97*	-	2.32*	1.78*	2.43*
27	-HAY, S-C GRND, (1)	1-09-746	-	-	-	-	-	-	-	-
28			100.0	3.12*	1.17*	3.02*	-	2.56*	0.96*	2.48*
29	-AERIAL PART, FRESH, (2)	2-01-383	17.6	0.58*	-	0.55*	-	0.48*	-	0.45*
30			100.0	3.30*	-	3.10*	-	2.70*	-	2.55*
31	TRIFOLIUM REPENS. CLOVER, WHITE ALOLU		-	-	-	-	-	-	-	-
32	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-173	-	-	-	-	-	-	-	-
33			100.0	2.69*	-	2.73*	-	2.21*	-	2.24*
34	-AERIAL PART,	2-10-174	-	-	-	-	-	-	-	-
35	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.74*	-	2.76*	-	2.25*	-	2.26*
36	(2)		-	-	-	-	-	-	-	-
37	TRIFOLIUM REPENS. CLOVER, WHITE IDAHO		-	-	-	-	-	-	-	-
38	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-167	-	-	-	-	-	-	-	-
39			100.0	2.70*	-	2.77*	-	2.21*	-	2.27*
40	-AERIAL PART,	2-10-168	-	-	-	-	-	-	-	-
41	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.62*	-	2.69*	-	2.15*	-	2.20*
42	(2)		-	-	-	-	-	-	-	-
43	TRIFOLIUM REPENS. CLOVER, WHITE LOUISIANA		-	-	-	-	-	-	-	-
44	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-169	-	-	-	-	-	-	-	-
45			100.0	2.80*	-	2.88*	-	2.30*	-	2.36*
46	-AERIAL PART,	2-10-170	-	-	-	-	-	-	-	-
47	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.44*	-	2.59*	-	2.00*	-	2.12*
48	(2)		-	-	-	-	-	-	-	-
49	TRIFOLIUM REPENS. CLOVER, WHITE NOLIN		-	-	-	-	-	-	-	-
50	-AERIAL PART, FRESH, EARLY BLOOM, CUT 1, (2)	2-10-165	-	-	-	-	-	-	-	-
51			100.0	-	-	2.74*	-	-	-	2.25*
52	-AERIAL PART,	2-10-166	-	-	-	-	-	-	-	-
53	FRESH FERTILIZED, EARLY BLOOM, CUT 1,		100.0	2.43*	-	2.59*	-	1.99*	-	2.12*
54	(2)		-	-	-	-	-	-	-	-
55	TRIFOLIUM REPENS. CLOVER, WHITE		-	-	-	-	-	-	-	-
56	-AERIAL PART, FRESH, (2)	2-01-468	18.3	0.47*	-	0.59*	-	0.39*	-	0.48*
57			100.0	2.58*	-	3.20*	-	2.11*	-	2.62*
58	TRIFOLIUM SPP. CLOVER		-	-	-	-	-	-	-	-
59	-HAY, S-C, (1)	1-01-278	89.8	-	-	2.33*	-	-	-	1.91*
60			100.0	-	-	2.59*	-	-	-	2.13*
61	-AERIAL PART, ENSILED, (3)	3-01-305	23.4	0.70	-	0.59*	-	0.58*	-	0.49*
62			100.0	3.00	-	2.54*	-	2.46*	-	2.08*
63	-AERIAL PART, WILTED ENSILED, (3)	3-10-121	31.4	0.89	-	0.90*	-	0.73*	-	0.74*
64			100.0	2.82	-	2.80*	-	2.31*	-	2.36*
65	TRIFOLIUM SUBTERRANEUM. CLOVER, SUBTERRANEAN		-	-	-	-	-	-	-	-
66	BACCHUS MARSH		-	-	-	-	-	-	-	-
67	-AERIAL PART, FRESH, EARLY	2-10-146	-	-	-	-	-	-	-	-
68	BLOOM, CUT 1, (2)		100.0	2.54*	-	2.59*	-	2.09*	-	2.12*
69	-AERIAL PART, FRESH FERTILIZED,	2-10-147	-	-	-	-	-	-	-	-
70	EARLY BLOOM, CUT 1, (2)		100.0	2.68*	-	2.63*	-	2.20*	-	2.16*
71	TRIFOLIUM SUBTERRANEUM. CLOVER, SUBTERRANEAN		-	-	-	-	-	-	-	-
72	MOUNT BARKER		-	-	-	-	-	-	-	-
73	-AERIAL PART, FRESH, EARLY	2-10-144	-	-	-	-	-	-	-	-
74	BLOOM, CUT 1, (2)		100.0	2.66*	-	2.74*	-	2.18*	-	2.25*
75	-AERIAL PART, FRESH FERTILIZED,	2-10-145	-	-	-	-	-	-	-	-
76	EARLY BLOOM, CUT 1, (2)		100.0	-	-	2.64*	-	-	-	2.17*
77	TRIFOLIUM SUBTERRANEUM. CLOVER, SUBTERRANEAN		-	-	-	-	-	-	-	-
78	NANGEELA		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	0.26*	0.16*	0.29*	12.*	-	12.*	-	-	3.3		3
02	-	-	1.47*	0.89*	1.60*	67.*	-	65.*	-	-	18.6	-	-
03	-	-	0.30*	0.18*	0.32*	14.	-	13.*	-	-	3.8		2
04	-	-	1.51*	0.94*	1.65*	69.	-	68.*	-	-	19.3	-	-
05	-	-	0.38*	0.24*	0.42*	17.*	-	16.*	-	-	3.7		2
06	-	-	1.49*	0.92*	1.63*	68.*	-	64.*	-	-	14.5	-	-
07	-	-	0.37*	0.21*	0.40*	17.	-	19.*	-	-	4.5		3
08	-	-	1.36*	0.76*	1.45*	63.	-	70.*	-	-	16.4	-	-
09	-	-	1.54*	1.02*	1.69*	67.*	-	77.*	-	-	32.1		3
10	-	-	1.75*	1.16*	1.93*	77.*	-	88.*	-	-	36.6	-	-
11	-	-	1.47*	0.96*	1.62*	66.*	-	70.*	-	-	28.6		2
12	-	-	1.63*	1.06*	1.80*	73.*	-	78.*	-	-	31.6	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-		1
15	-	-	1.26*	0.63*	1.32*	59.*	-	64.*	-	-	20.3	-	-
16	-	-	-	-	-	-	-	-	-	-	-		1
17	-	-	1.24*	0.58*	1.28*	58.*	-	62.*	-	-	20.8	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-		1
21	-	-	1.28*	0.65*	1.35*	60.*	-	62.*	-	-	19.9	-	-
22	-	-	-	-	-	-	-	-	-	-	-		1
23	-	-	1.32*	0.71*	1.40*	61.*	-	63.*	-	-	20.2	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	1.24*	0.71*	1.34*	57.*	49.*	60.*	-	-	18.5		1
26	-	-	1.39*	0.80*	1.49*	64.*	55.*	67.*	-	-	20.1	-	-
27	-	-	-	-	-	-	-	-	-	-	-		1
28	-	-	1.57*	1.00*	1.72*	71.*	27.*	69.*	-	-	18.1	-	-
29	-	-	0.30*	0.20*	0.33*	13.*	-	12.*	-	-	4.3	12	8
30	-	-	1.69*	1.11*	1.86*	75.*	-	70.*	-	-	24.3	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-		1
33	-	-	1.31*	0.69*	1.39*	61.*	-	62.*	-	-	18.1	-	-
34	-	-	-	-	-	-	-	-	-	-	-		1
35	-	-	1.34*	0.73*	1.43*	62.*	-	62.*	-	-	18.4	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-		1
39	-	-	1.31*	0.70*	1.39*	61.*	-	63.*	-	-	19.6	-	-
40	-	-	-	-	-	-	-	-	-	-	-		1
41	-	-	1.27*	0.64*	1.33*	59.*	-	61.*	-	-	20.3	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-		1
45	-	-	1.37*	0.78*	1.47*	64.*	-	65.*	-	-	22.0	-	-
46	-	-	-	-	-	-	-	-	-	-	-		1
47	-	-	1.18*	0.49*	1.19*	55.*	-	59.*	-	-	18.5	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-		1
51	-	-	-	-	-	-	-	62.*	-	-	20.3	-	-
52	-	-	-	-	-	-	-	-	-	-	-		1
53	-	-	1.18*	0.48*	1.18*	55.*	-	59.*	-	-	18.0	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	0.23*	0.11*	0.24*	11.*	-	13.*	-	-	4.1		3
57	-	-	1.25*	0.60*	1.30*	58.*	-	72.*	-	-	22.4	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	53.*	-	-	22.4		1
60	-	-	-	-	-	-	-	59.*	-	-	24.2	-	-
61	-	-	0.35*	0.22*	0.38*	16.	-	13.	-	-	4.6	59	9
62	-	-	1.49*	0.92*	1.63*	68.	-	57.	-	-	19.7	-	-
63	-	-	0.43*	0.25*	0.47*	20.	-	21.*	-	-	5.7		1
64	-	-	1.38*	0.79*	1.49*	63.	-	65.*	-	-	18.3	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-		1
68	-	-	1.23*	0.58*	1.27*	58.*	-	59.*	-	-	15.9	-	-
69	-	-	-	-	-	-	-	-	-	-	-		1
70	-	-	1.30*	0.69*	1.38*	61.*	-	60.*	-	-	18.8	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-		1
74	-	-	1.29*	0.67*	1.36*	60.*	-	62.*	-	-	16.5	-	-
75	-	-	-	-	-	-	-	-	-	-	-		1
76	-	-	-	-	-	-	-	60.*	-	-	19.3	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	2.5*	2.4*	2.4	-	-	3.1		3	0.6	0.29		3
02	13.7*	13.3*	13.2	-	-	17.3	-	-	3.2	1.59	-	-
03	2.7	2.7*	3.0*	-	-	4.6		2	1.0	0.45		1
04	13.9	14.0*	15.0*	-	-	23.3	-	-	4.9	2.26	-	-
05	2.6*	2.5*	2.7*	-	-	6.7		2	0.7	0.26		1
06	10.2*	9.8*	10.5*	-	-	26.0	-	-	2.9	1.01	-	-
07	2.9	3.1*	3.3*	-	-	7.2		3	1.0	0.45		2
08	10.6	11.4*	12.2*	-	-	26.4	-	-	3.6	1.64	-	-
09	-	-	27.0	-	-	9.2		1	7.8	0.29		2
10	-	-	30.7	-	-	10.5	-	-	8.9	0.33	-	-
11	-	-	-	-	-	12.7		2	5.9	0.41		1
12	-	-	-	-	-	14.1	-	-	6.5	0.46	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-		1	-	-	-	-
15	15.1*	14.7*	15.9*	-	-	25.8	-	-	3.7	-	-	-
16	-	-	-	-	-	-		1	-	-	-	-
17	15.6*	15.2*	16.4*	-	-	26.6	-	-	2.8	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-		1	-	-	-	-
21	14.8*	14.4*	15.5*	-	-	24.5	-	-	2.3	-	-	-
22	-	-	-	-	-	-		1	-	-	-	-
23	15.1*	14.7*	15.8*	-	-	22.9	-	-	2.4	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	13.3*	13.5*	14.2	-	-	21.6		1	1.7	1.53		1
26	14.8*	15.1*	15.9	-	-	24.1	-	-	1.9	1.71	-	-
27	-	-	-	-	-	-		1	-	-	-	-
28	12.6*	12.9*	12.8*	-	-	16.3	-	-	5.4	-	-	-
29	3.6	3.2*	3.5	-	-	2.4	14	8	0.8	0.33		1
30	20.2	18.2*	19.6	-	-	13.6	-	-	4.7	1.85	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-		1	-	-	-	-
33	13.3*	12.9*	13.8*	-	-	23.6	-	-	2.2	-	-	-
34	-	-	-	-	-	-		1	-	-	-	-
35	13.6*	13.2*	14.2*	-	-	25.6	-	-	2.3	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-		1	-	-	-	-
39	14.6*	14.2*	15.3*	-	-	22.8	-	-	2.7	-	-	-
40	-	-	-	-	-	-		1	-	-	-	-
41	15.1*	14.7*	15.9*	-	-	22.9	-	-	1.8	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-		-	-	-	-	-	-	-
44	-	-	-	-	-	-		1	-	-	-	-
45	16.6*	16.2*	17.5*	-	-	20.0	-	-	3.1	-	-	-
46	-	-	-	-	-	-		1	-	-	-	-
47	13.6*	13.2*	14.2*	-	-	29.1	-	-	2.5	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-		1	-	-	-	-
51	15.1*	14.8*	15.9*	-	-	32.1	-	-	3.4	-	-	-
52	-	-	-	-	-	-		1	-	-	-	-
53	13.2*	12.8*	13.8*	-	-	24.8	-	-	2.3	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	3.1*	3.0*	3.3*	-	-	2.3		3	0.7	0.32		3
57	16.9*	16.6*	17.9*	-	-	12.8	-	-	4.0	1.76	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	16.7*	16.8*	17.0*	-	-	26.5	24	4	2.3	-	-	-
60	18.5*	18.7*	18.9*	-	-	29.5	-	-	2.6	-	-	-
61	2.9	3.3*	3.0	-	-	6.6	12	5	1.3	0.48	58	5
62	12.4	14.1*	12.7	-	-	28.0	-		5.6	2.06	-	-
63	3.0	4.0*	4.0*	-	-	7.4		1	2.4	-	-	-
64	9.7	12.8*	12.8*	-	-	23.6	-	-	7.6	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-		1	-	-	-	-
68	11.4*	11.0*	11.8*	-	-	29.6	-	-	2.2	-	-	-
69	-	-	-	-	-	-		1	-	-	-	-
70	13.8*	13.5*	14.5*	-	-	29.2	-	-	1.8	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-		1	-	-	-	-
74	11.9*	11.6*	12.4*	-	-	27.6	-	-	3.5	-	-	-
75	-	-	-	-	-	-		1	-	-	-	-
76	14.3*	13.9*	14.9*	-	-	32.7	-	-	2.6	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	0.08	0.04		3	0.42	0.03	–	–	10.6	–	–	1.6	–	–	–	–	–	–
02	0.45	0.22	–	–	2.33	0.17	–	–	59.1	–	–	8.7	–	–	–	–	–	–
03	–	0.07		1	0.49	–	–	–	–	–	–	–	–	–	–	–	–	–
04	–	0.38	–	–	2.49	–	–	–	–	–	–	–	–	–	–	–	–	–
05	0.13	0.07		1	0.50	–	–	–	–	–	–	–	–	–	–	–	–	–
06	0.51	0.27	–	–	1.96	–	–	–	–	–	–	–	–	–	–	–	–	–
07	–	0.10		2	0.67	–	–	–	–	–	–	–	–	–	–	–	–	–
08	–	0.36	–	–	2.45	–	–	–	–	–	–	–	–	–	–	–	–	–
09	–	0.54		2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	0.61	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	0.67		1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	0.74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
16	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
17	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
18	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
19	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
25	0.46	0.29		1	2.17	0.19	–	–	–	–	–	–	–	–	–	–	–	–
26	0.51	0.32	–	–	2.42	0.21	–	–	–	–	–	–	–	–	–	–	–	–
27	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
29	0.07	0.06		1	0.33	0.02	–	–	–	–	–	3.1	–	–	–	–	–	–
30	0.40	0.35	–	–	1.87	0.12	–	–	–	–	–	17.5	–	–	–	–	–	–
31	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
39	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
40	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
42	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
44	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
45	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
46	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
48	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
49	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
50	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
51	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
52	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
53	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
54	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
55	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
56	0.07	0.06		3	0.39	0.06	–	–	–	–	–	–	–	–	–	–	–	–
57	0.40	0.35	–	–	2.13	0.33	–	–	–	–	–	–	–	–	–	–	–	–
58	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
59	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
60	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
61	–	0.10	93	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–
62	–	0.41	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
63	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
64	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
65	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
66	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
67	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
68	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
69	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
71	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
72	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
73	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
74	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
75	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
76	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
77	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Tables of Food Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	- AERIAL PART, FRESH, EARLY BLOOM, CUT	2-10-148	-	-	-	-	-	-	-	-
02	1, (2)		100.0	-	-	2.65*	-	-	-	2.17*
03	- AERIAL PART, FRESH FERTILIZED, EARLY	2-10-149	-	-	-	-	-	-	-	-
04	BLOOM, CUT 1, (2)		100.0	3.17*	-	3.01*	-	2.60*	-	2.47*
05	TRIFOLIUM SUBTERRANEUM. CLOVER, SUBTERRANEAN		-	-	-	-	-	-	-	-
06	TALLAROOK		-	-	-	-	-	-	-	-
07	- AERIAL PART, FRESH, EARLY BLOOM, CUT	2-10-150	-	-	-	-	-	-	-	-
08	1, (2)		100.0	2.70*	-	2.77*	-	2.21*	-	2.27*
09	- AERIAL PART, FRESH FERTILIZED, EARLY	2-10-151	-	-	-	-	-	-	-	-
10	BLOOM, CUT 1, (2)		100.0	2.58*	-	2.81*	-	2.12*	-	2.30*
11	TRIPSACUM DACTYLOIDES. GAMAGRASS, EASTERN		-	-	-	-	-	-	-	-
12	-AERIAL PART, FRESH, FULL BLOOM, (2)	2-02-084	-	-	-	-	-	-	-	-
13			100.0	2.51*	-	2.58*	-	2.06*	-	2.12*
14	TRIPSACUM FLORIDANUM. GAMAGRASS, FLORIDA		-	-	-	-	-	-	-	-
15	-HAY, S-C, (1)	1-02-087	92.3	2.27*	1.62*	2.14*	-	1.86*	1.33*	1.75*
16			100.0	2.46*	1.76*	2.31*	-	2.02*	1.44*	1.90*
17	TRIPSACUM LAXUM. GAMAGRASS, GUATEMALA		-	-	-	-	-	-	-	-
18	-HAY, S-C, (1)	1-02-088	90.1	2.05*	-	2.08*	-	1.68*	-	1.70*
19			100.0	2.27*	-	2.31*	-	1.86*	-	1.89*
20	-AERIAL PART, FRESH, (2)	2-02-091	92.5	2.24*	-	2.39*	-	1.84*	-	1.96*
21			100.0	2.42*	-	2.58*	-	1.99*	-	2.12*
22	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-09-791	16.0	0.39*	-	0.41*	-	0.32*	-	0.34*
23			100.0	2.42*	-	2.59*	-	1.98*	-	2.12*
24	-AERIAL PART, FRESH,	2-09-792	16.0	0.36*	-	0.39*	-	0.30*	-	0.32*
25	179 TO 185 DAYS' GROWTH, (2)		100.0	2.26*	-	2.47*	-	1.86*	-	2.02*
26	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-09-593	19.7	0.48*	-	0.44*	-	0.40*	-	0.36*
27			100.0	2.45*	-	2.25*	-	2.01*	-	1.84*
28	-AERIAL PART, FRESH, JOINTING AND BOOT, (2)	2-10-247	19.3	0.51*	-	0.49*	-	0.42*	-	0.40*
29			100.0	2.63*	-	2.55*	-	2.15*	-	2.09*
30	-AERIAL PART, FRESH, EARLY BLOOM, (2)	2-10-352	16.6	0.42*	-	0.42*	-	0.34*	-	0.34*
31			100.0	2.52*	-	2.53*	-	2.07*	-	2.07*
32	TRITICUM AESTIVUM. WHEAT, HARD RED SPRING		-	-	-	-	-	-	-	-
33	-FLOUR, (4)	4-08-113	87.6	-	-	-	-	-	-	-
34			100.0	-	-	-	-	-	-	-
35	-GRAIN, (4)	4-05-258	89.2	3.25*	-	3.40*	3360.*	2.67*	-	2.79*
36			100.0	3.65*	-	3.81*	3768.*	2.99*	-	3.13*
37	TRITICUM AESTIVUM. WHEAT, HARD RED WINTER		-	-	-	-	-	-	-	-
38	-GRAIN, (4)	4-05-268	88.6	3.20*	-	3.39*	3346.*	2.62*	-	2.78*
39			100.0	3.61*	-	3.82*	3775.*	2.96*	-	3.13*
40	TRITICUM AESTIVUM. WHEAT, RED SPRING		-	-	-	-	-	-	-	-
41	-GRAIN, CAN 4 NORTHERN MN WT 56 LB PER BUSHEL MX	4-05-282	87.3	3.20*	-	3.33*	3070.	2.63*	-	2.73*
42	2.5% FOREIGN MATERIAL, (4)		100.0	3.67*	-	3.81*	3518.	3.01*	-	3.13*
43	TRITICUM AESTIVUM. WHEAT, SOFT RED WINTER		-	-	-	-	-	-	-	-
44	-GRAIN, (4)	4-05-294	88.1	3.17*	-	3.42*	3333.*	2.60*	-	2.81*
45			100.0	3.60*	-	3.89*	3785.*	2.95*	-	3.19*
46	TRITICUM AESTIVUM. WHEAT, SOFT		-	-	-	-	-	-	-	-
47	-GRAIN, (4)	4-05-284	89.1	3.16*	-	3.40*	3380.*	2.59*	-	2.79*
48			100.0	3.55*	-	3.82*	3791.*	2.91*	-	3.13*
49	TRITICUM AESTIVUM. WHEAT, WHITE		-	-	-	-	-	-	-	-
50	-GRAIN, (4)	4-05-307	86.8	2.83*	-	3.10*	3104.*	2.32*	-	2.55*
51			100.0	3.26*	-	3.50*	3576.*	2.67*	-	2.93*
52	TRITICUM DICOCCUM. EMMER		-	-	-	-	-	-	-	-
53	-GRAIN, (4)	4-01-830	90.8	2.78*	-	3.21*	3077.*	2.28*	-	2.63*
54			100.0	3.07*	-	3.54*	3389.*	2.51*	-	2.90*
55	TRITICUM DURUM. WHEAT, DURUM		-	-	-	-	-	-	-	-
56	-GRAIN, (4)	4-05-224	89.0	3.28*	-	3.40*	3366.*	2.69*	-	2.79*
57			100.0	3.68*	-	3.82*	3782.*	3.02*	-	3.14*
58	-GRAIN, CAN 5 CW MN WT 54	4-05-226	86.5	3.16*	-	3.31*	3256.*	2.59*	-	2.71*
59	LB PER BUSHEL MX 3% FOREIGN MATERIAL,		100.0	3.65*	-	3.82*	3764.*	2.99*	-	3.13*
60	(4)		-	-	-	-	-	-	-	-
61	-GRAIN, CAN 4 CW MN WT 56	4-05-225	86.5	3.16*	-	3.32*	3252.*	2.59*	-	2.72*
62	LB PER BUSHEL MX 2.5% FOREIGN		100.0	3.65*	-	3.83*	3760.*	2.99*	-	3.14*
63	MATERIAL, (4)		-	-	-	-	-	-	-	-
64	TRITICUM SPP. WHEAT		-	-	-	-	-	-	-	-
65	-HAY, S-C, (1)	1-05-172	89.7	2.21*	1.62*	2.02*	-	1.81*	1.33*	1.65*
66			100.0	2.46*	1.81*	2.25*	-	2.02*	1.48*	1.84*
67	-STRAW, (1)	1-05-175	90.9	1.86*	1.50*	1.65*	-	1.53*	1.23*	1.35*
68			100.0	2.05*	1.65*	1.82*	-	1.68*	1.35*	1.49*
69	-AERIAL PART, FRESH, EARLY VEGETATIVE, (2)	2-05-176	22.9	-	-	-	-	-	-	-
70			100.0	-	-	-	-	-	-	-
71	-BRAN, (4)	4-05-191	87.3	2.68*	-	2.83*	2791.*	2.19*	-	2.32*
72			100.0	3.07*	-	3.24*	3199.*	2.52*	-	2.66*
73	-BRAN, DRY MILLED, (4)	4-05-190	88.3	2.77*	-	2.96*	2487.*	2.27*	-	2.42*
74	WHEAT BRAN (AAFCO)		100.0	3.13*	-	3.35*	2817.*	2.57*	-	2.75*
75	-FLOUR BY-PRODUCT, COARSE SIFT, MX 7% FIBER, (4)	4-05-201	87.9	3.13*	-	3.33*	3111.*	2.56*	-	2.73*
76	WHEAT SHORTS, MX 7% FIBER (AAFCO)		100.0	3.56*	-	3.78*	3539.*	2.92*	-	3.10*
77	-FLOUR BY-PRODUCT, FINE SIFT, MX 4% FIBER, (4)	4-05-203	87.2	3.25*	-	3.54*	3202.*	2.66*	-	2.90*
78	WHEAT RED DOG, MX 4% FIBER (AAFCO)		100.0	3.73*	-	4.06*	3673.*	3.06*	-	3.33*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-		1
02	-	-	-	-	-	-	-	60.*	-	-	22.8	-	-
03	-	-	-	-	-	-	-	-	-	-	-		1
04	-	-	1.60*	1.03*	1.76*	72.*	-	68.*	-	-	21.2	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-		2
08	-	-	1.31*	0.70*	1.39*	61.*	-	63.*	-	-	19.5	-	-
09	-	-	-	-	-	-	-	-	-	-	-		2
10	-	-	1.25*	0.61*	1.30*	59.*	-	64.*	-	-	21.0	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-		1
13	-	-	1.21*	0.55*	1.25*	57.*	-	59.*	-	-	7.7	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	1.10*	0.47*	1.11*	51.*	40.*	48.	-	-	8.4		1
16	-	-	1.19*	0.50*	1.20*	56.*	43.*	53.	-	-	9.1	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	0.99*	0.31*	0.95*	46.*	-	47.*	-	-	15.5	20	11
19	-	-	1.10*	0.34*	1.06*	52.*	-	52.*	-	-	17.2	-	-
20	-	-	1.08*	0.44*	1.09*	51.*	-	54.*	-	-	6.4	35	7
21	-	-	1.17*	0.47*	1.18*	55.*	-	59.*	-	-	6.9	-	-
22	-	-	0.19*	0.07*	0.19*	9.*	-	9.*	-	-	1.9		2
23	-	-	1.17*	0.47*	1.17*	55.*	-	59.*	-	-	11.6	-	-
24	-	-	0.19*	0.05*	0.17*	8.*	-	9.*	-	-	1.3		1
25	-	-	1.10*	0.33*	1.05*	51.*	-	56.*	-	-	8.4	-	-
26	-	-	0.23*	0.10*	0.24*	11.*	-	10.*	-	-	0.8		1
27	-	-	1.18*	0.49*	1.19*	55.*	-	51.*	-	-	4.0	-	-
28	-	-	0.25*	0.12*	0.26*	11.*	-	11.*	-	-	2.6		3
29	-	-	1.28*	0.64*	1.34*	60.*	-	58.*	-	-	13.7	-	-
30	-	-	0.20*	0.09*	0.21*	9.*	-	10.*	-	-	7.0		1
31	-	-	1.22*	0.56*	1.25*	57.*	-	57.*	-	-	12.0	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	11.7		1
34	-	-	-	-	-	-	-	-	-	-	13.4	-	-
35	3226.*	-	1.74*	1.14*	1.90*	74.*	-	77.*	76.*	-	13.5		2
36	3617.*	-	1.95*	1.30*	2.13*	83.*	-	87.*	85.*	-	15.1	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	3213.*	-	1.70*	1.14*	1.86*	73.*	-	77.*	76.*	-	12.5		1
39	3624.*	-	1.92*	1.28*	2.10*	82.*	-	87.*	86.*	-	14.1	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	2437.*	2610.	1.72*	1.15*	1.88*	73.*	-	75.*	74.*	-	14.0	12	95
42	2792.*	2990.	1.97*	1.31*	2.15*	83.*	-	86.*	85.*	-	16.1	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	3200.*	-	1.69*	1.12*	1.85*	72.*	-	78.	76.*	-	11.5		3
45	3633.*	-	1.91*	1.28*	2.10*	82.*	-	88.	86.*	-	13.0	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	3244.*	3084.	1.67*	1.11*	1.83*	72.*	-	77.*	77.*	-	10.4		2
48	3639.*	3460.	1.87*	1.25*	2.06*	80.*	-	87.*	86.*	-	11.7	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	2980.*	-	1.44*	0.94*	1.59*	64.*	-	70.*	70.*	-	14.8		1
51	3433.*	-	1.66*	1.08*	1.83*	74.*	-	81.*	81.*	-	17.1	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	2954.*	-	1.39*	0.87*	1.52*	63.*	-	73.	70.*	-	12.2		3
54	3253.*	-	1.53*	0.96*	1.68*	70.*	-	80.	77.*	-	13.5	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	3232.*	-	1.76*	1.18*	1.92*	74.*	-	77.*	76.*	-	13.0		1
57	3631.*	-	1.98*	1.32*	2.16*	84.*	-	87.*	86.*	-	14.6	-	-
58	3126.*	-	1.69*	1.13*	1.85*	72.*	-	75.*	74.*	-	13.6	10	11
59	3613.*	-	1.96*	1.30*	2.14*	83.*	-	87.*	85.*	-	15.7	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	3122.*	-	1.69*	1.13*	1.85*	72.*	-	75.*	74.*	-	14.0	8	23
62	3610.*	-	1.96*	1.30*	2.14*	83.*	-	87.*	85.*	-	16.[illegible]	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	1.07*	0.46*	1.08*	50.*	40.*	46.*	-	-	9.0	26	4
66	-	-	1.19*	0.51*	1.21*	56.*	45.*	51.*	-	-	10.0	-	-
67	-	-	0.91*	0.12*	0.81*	42.	37.	37.	-	-	4.0	36	19
68	-	-	1.00*	0.13*	0.89*	47.	40.	41.	-	-	4.4	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-
71	2680.*	-	1.34*	0.84*	1.47*	61.*	-	64.*	63.*	-	16.6	7	25
72	3071.*	-	1.53*	0.96*	1.68*	70.*	-	73.*	73.*	-	19.0	-	-
73	2006.*	1386.	1.39*	0.89*	1.53*	63.	62.	67.*	56.	-	16.8	9	12
74	2272.*	1570.	1.58*	1.01*	1.73*	71.	71.	76.*	64.	-	19.1	-	-
75	2986.*	2202.	1.65*	1.10*	1.81*	71.*	-	75.	71.*	-	16.6	8	23
76	3397.*	2505.	1.88*	1.25*	2.06*	81.*	-	86.	80.*	-	18.9	-	-
77	2498.*	2682.	1.76*	1.17*	1.91*	74.*	-	80.	73.	-	15.2	12	15
78	2866.*	3076.	2.02*	1.34*	2.20*	85.*	-	92.	83.	-	17.5	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-		1	-	-	-	-
02	17.3*	16.9*	18.3*	-	-	23.9	-	-	3.7	-	-	-
03	-	-	-	-	-	-		1	-	-	-	-
04	15.9*	15.5*	16.7*	-	-	16.5	-	-	3.5	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-		2	-	-	-	-
08	14.5*	14.1*	15.2*	-	-	25.8	-	-	2.8	-	-	-
09	-	-	-	-	-	-		2	-	-	-	-
10	15.7*	15.3*	16.5*	-	-	25.3	-	-	3.5	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-		1	-	-	-	-
13	4.4*	4.1*	4.2*	-	-	29.5	-	-	2.0	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	4.4*	4.9*	4.3	-	-	26.0		1	1.8	-	-	-
16	4.8*	5.3*	4.6	-	-	28.2	-	-	1.9	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	10.7*	10.9*	10.8*	-	-	29.4	8	11	1.7	-	-	-
19	11.8*	12.1*	12.0*	-	-	32.6	-	-	1.9	-	-	-
20	3.5*	3.1*	3.2*	-	-	30.6	10	7	2.4	0.06		2
21	3.7*	3.4*	3.4*	-	-	33.1	-	-	2.6	0.06	-	-
22	1.2*	1.2*	1.3*	-	-	4.8		2	0.6	-	-	-
23	7.8*	7.4*	7.8*	-	-	30.3	-	-	3.7	-	-	-
24	0.8*	0.7*	0.8*	-	-	5.4		1	0.4	-	-	-
25	5.1*	4.7*	4.8*	-	-	33.9	-	-	2.4	-	-	-
26	0.3*	0.2*	0.1*	-	-	7.6		1	0.1	0.07		1
27	1.3*	0.9*	0.7*	-	-	38.6	-	-	0.7	0.34	-	-
28	1.8*	1.8*	1.9*	-	-	6.4		3	0.3	0.06		3
29	9.5*	9.2*	9.8*	-	-	33.3	-	-	1.5	0.32	-	-
30	1.3*	1.3*	1.4*	-	-	5.0		1	0.3	-	-	-
31	8.1*	7.8*	8.2*	-	-	30.1	-	-	1.8	-		-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	7.3*	8.3*	8.3*	-	-	-	-	-	1.0	0.03		1
34	8.3*	9.5*	9.5*	-	-	-	-	-	1.1	0.03	-	-
35	8.8*	9.9*	9.9*	-	-	2.4		2	2.0	0.04		3
36	9.9*	11.1*	11.1*	-	-	2.7	-	-	2.3	0.04	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	7.9*	9.0*	9.0*	-	-	2.3		1	1.8	0.04		3
39	8.9*	10.1*	10.1*	-	-	2.6	-	-	2.1	0.05	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	9.4*	10.4*	10.4*	11.5	-	2.5	20	25	2.0	0.05	63	78
42	10.8*	12.0*	12.0*	13.2	-	2.8	-	-	2.2	0.06	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	7.0*	8.1*	8.6	-	-	2.3		3	1.9	0.05		3
45	8.0*	9.1*	9.8	-	-	2.7	-	-	2.2	0.06	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	6.0*	7.1*	7.1*	-	-	2.4		2	1.8	0.06		2
48	6.8*	8.0*	8.0*	-	-	2.7	-	-	2.0	0.07	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	10.1*	11.2*	11.2*	-	-	4.3		2	2.9	-	-	-
51	11.7*	12.9*	12.9*	-	-	5.0	-	-	3.3	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	7.6*	8.7*	9.8	-	-	9.6	2	4	2.0	-	-	-
54	8.4*	9.6*	10.8	-	-	10.5	-	-	2.2	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	8.4*	9.4*	9.4*	-	-	1.8		1	2.6	0.10		2
57	9.4*	10.6*	10.6*	-	-	2.1	-	-	2.9	0.11	-	-
58	9.0*	10.0*	10.0*	-	-	2.3	19	11	1.8	0.08		1
59	10.4*	11.6*	11.6*	-	-	2.7	-	-	2.1	0.09	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	9.4*	10.4*	10.4*	-	-	2.2	21	23	1.6	0.07		2
62	10.9*	12.0*	12.0*	-	-	2.5	-	-	1.9	0.09	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	5.0*	5.4*	4.8	-	-	27.5	4	4	1.8	0.13	18	5
66	5.6*	6.0*	5.4	-	-	30.7	-	-	2.0	0.15	-	-
67	0.6	0.8	-0.2	-	-	37.2	13	18	1.4	0.20	55	11
68	0.6	0.8	-0.3	-	-	40.9	-	-	1.5	0.22	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-
71	11.7*	12.8*	12.8*	-	-	9.3	19	30	4.2	-	-	-
72	13.4*	14.6*	14.6*	-	-	10.7	-	-	4.8	-	-	-
73	13.1	14.2	13.0*	12.8	-	8.4	19	11	4.6	0.69		2
74	14.9	16.1	14.7*	14.5	-	9.5	-	-	5.2	0.78	-	-
75	11.7*	12.8*	14.0	-	-	7.1	34	22	4.8	0.11	61	14
76	13.3*	14.5*	15.9	-	-	8.1	-	-	5.5	0.12	-	-
77	10.5*	11.5*	12.6	13.6	-	3.0	98	16	3.3	0.08	98	11
78	12.1*	13.2*	14.5	15.5	-	3.5	-	-	3.8	0.09	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	μg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.20			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	0.22		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	0.01	0.04		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	0.06	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.07		3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	0.02	0.10		1	0.08	-	2.2	927$_a$	10.2	4.1	-	0.4	-	-	0.35	0.23	0.21	-
34	0.02	0.11	-	-	0.09	-	2.6	1058$_a$	11.6	4.7	-	0.4	-	-	0.40	0.27	0.24	-
35	0.11	0.39		3	0.36	-	14.4	807$_a$	39.2	7.4	-	1.0	-	-	0.26	0.34	0.19	0.18
36	0.13	0.44	-	-	0.40	-	16.2	905$_a$	44.3	8.3	-	1.1	-	-	0.29	0.38	0.22	0.20
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	0.10	0.38		3	0.43	0.15	14.3	1094$_a$	48.7	9.9	-	1.4	-	-	0.26	0.34	0.24	0.18
39	0.12	0.43	-	-	0.48	0.17	16.1	1234$_a$	54.9	11.2	-	1.6	-	-	0.29	0.39	0.27	0.20
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.36	19	78	-	-	-	-	14.9	3.8	-	0.5	-	-	-	-	-	-
42	-	0.42	-	-	-	-	-	-	17.1	4.4	-	0.5	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	0.10	0.37		3	0.40	0.11	15.6	1005$_a$	43.2	8.8	-	1.3	-	-	0.27	0.58	0.21	0.26
45	0.11	0.42	-	-	0.45	0.12	17.7	1141$_a$	49.1	10.0	-	1.5	-	-	0.30	0.65	0.24	0.30
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	0.10	0.29		2	0.39	-	-	1014$_a$	59.1	11.5	-	1.1	-	-	0.17	0.30	0.13	0.12
48	0.11	0.33	-	-	0.44	-	-	1137$_a$	66.2	12.9	-	1.2	-	-	0.19	0.34	0.15	0.13
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	0.36		2	0.47	-	-	-	-	-	-	-	-	-	-	0.29	0.16	0.12
54	-	0.40	-	-	0.52	-	-	-	-	-	-	-	-	-	-	0.32	0.18	0.13
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	0.40		2	0.45	-	-	-	45.0	-	-	1.2	-	-	-	-	-	-
57	-	0.45	-	-	0.51	-	-	-	50.6	-	-	1.4	-	-	-	-	-	-
58	-	0.28		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	0.31		2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	0.19	46	5	0.90	-	-	-	-	-	-	6.9	-	-	-	-	-	-
66	-	0.21	-	-	1.00	-	-	-	-	-	-	7.7	-	-	-	-	-	-
67	0.11	0.06	85	11	1.16	0.17	-	-	-	-	-	1.0	-	-	-	-	-	-
68	0.12	0.07	-	-	1.27	0.18	-	-	-	-	-	1.1	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	5.9	2.2	-	2.9	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	25.8	9.6	-	12.5	-	-	-	-	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	0.49	1.02		2	1.15	0.22	9.8	539$_a$	164.4	31.3	-	5.3	-	-	0.30	0.62	0.17	0.35
74	0.55	1.15	-	-	1.30	0.25	11.1	610$_a$	186.3	35.4	-	6.0	-	-	0.34	0.70	0.19	0.40
75	0.26	0.83	11	14	0.94	-	31.1	1923$_a$	106.5	22.9	-	4.4	-	-	0.36	0.80	0.27	0.23
76	0.29	0.95	-	-	1.07	-	35.4	2188$_a$	121.1	26.1	-	5.0	-	-	0.41	0.92	0.31	0.26
77	0.16	0.48	17	11	0.51	0.25	56.6	1557$_a$	44.8	13.2	-	2.2	-	-	0.35	0.54	0.22	0.21
78	0.18	0.55	-	-	0.58	0.29	64.9	1786$_a$	51.4	15.1	-	2.6	-	-	0.41	0.62	0.25	0.24

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-FLOUR BY-PRODUCT MILL RUN, MX 9.5% FIBER, (4)	4-05-206	88.4	2.77*	-	3.01*	2844.*	2.27*	-	2.47*
02	WHEAT MILL RUN (AAFCO)		100.0	3.13*	-	3.41*	3216.*	2.56*	-	2.79*
03	-FLOUR BY-PRODUCT, MX 9.5% FIBER, (4)	4-05-205	87.7	3.03*	-	3.02*	3069.*	2.49*	-	2.48*
04	WHEAT MIDDLINGS (AAFCO)		100.0	3.46*	-	3.45*	3501.*	2.84*	-	2.83*
05	-FLOUR, COARSE BOLT, FEED GR MX 2% FIBER, (4)	4-05-199	86.7	-	-	3.75*	3344a*	-	-	3.07*
06	WHEAT FEED FLOUR, MX 1.5% FIBER (AAFCO)		100.0	-	-	4.32*	3858a*	-	-	3.55*
07	-FLOUR, HUMAN GR, (4)	4-05-200	88.0	-	-	-	3383a*	-	-	-
08			100.0	-	-	-	3844a*	-	-	-
09	-GRAIN, (4)	4-05-211	89.5	3.47	-	3.47	3630a	2.85	-	2.85
10			100.0	3.88	-	3.88	4056a	3.18	-	3.18
11	-GRAIN SCREENINGS, (4)	4-05-216	88.9	2.56*	-	2.88*	2844a*	2.10*	-	2.36*
12			100.0	2.88*	-	3.24*	3201a*	2.36*	-	2.65*
13	-GRAIN, THRESHER-RUN, MN WT 60 LB	4-08-164	88.0	3.16*	-	3.37*	3304.*	2.59*	-	2.77*
14	PER BUSHEL MX 5% FOREIGN MATERIAL, (4)		100.0	3.59*	-	3.83*	3755.*	2.94*	-	3.14*
15	-GRAIN, THRESHER-RUN, MN WT 55 MX	4-08-165	88.0	3.16*	-	3.38*	3267.*	2.59*	-	2.77*
16	WT 60 LB PER BUSHEL MX 5% FOREIGN		100.0	3.59*	-	3.84*	3713.*	2.95*	-	3.15*
17	MATERIAL, (4)		-	-	-	-	-	-	-	-
18	-GRITS, CRACKED FINE SCREENED, (4)	4-07-852	89.7	-	-	-	3471a*	-	-	-
19			100.0	-	-	-	3870a*	-	-	-
20	-GERM, (5)	5-09-590	90.2	3.28*	-	3.87*	-	2.69*	-	3.17*
21			100.0	3.64*	-	4.29*	-	2.98*	-	3.52*
22	-GERM, GRND, MN 25% PROTEIN MN 7% FAT, (5)	5-05-218	87.5	3.10*	-	3.57*	-	2.54*	-	2.93*
23	WHEAT GERM MEAL (AAFCO)		100.0	3.54*	-	4.08*	-	2.90*	-	3.34*
24	VICIA SPP. VETCH		-	-	-	-	-	-	-	-
25	-HAY, S-C, (1)	1-05-106	88.2	-	-	-	-	-	-	-
26			100.0	-	-	-	-	-	-	-
27	VIGNA SPP. COWPEA		-	-	-	-	-	-	-	-
28	-HAY, S-C, (1)	1-01-645	90.4	2.33*	1.79*	2.32*	-	1.91*	1.47*	1.91*
29			100.0	2.58*	1.98*	2.57*	-	2.11*	1.62*	2.11*
30	-SEEDS, (5)	5-01-661	89.0	3.87*	-	3.35*	3301a*	3.17*	-	2.75*
31			100.0	4.35*	-	3.77*	3708a*	3.56*	-	3.09*
32	WHEAT ENDOSPERM		-	-	-	-	-	-	-	-
33	-SEE TRITICUM SPP, GRITS, CRACKED FINE		-	-	-	-	-	-	-	-
34	SCREENED, (4)		-	-	-	-	-	-	-	-
35	WHEAT FEED FLOUR, MX 1.5% FIBER (AAFCO)		-	-	-	-	-	-	-	-
36	-SEE TRITICUM SPP, FLOUR, COARSE BOLT,		-	-	-	-	-	-	-	-
37	FEED GR MX 2% FIBER, (4)		-	-	-	-	-	-	-	-
38	WHEAT GERM MEAL (AAFCO)		-	-	-	-	-	-	-	-
39	-SEE TRITICUM SPP, GERM, GRND, MN 25%		-	-	-	-	-	-	-	-
40	PROTEIN MN 7% FAT, (5)		-	-	-	-	-	-	-	-
41	WHEAT MIDDLINGS (AAFCO)		-	-	-	-	-	-	-	-
42	-SEE TRITICUM SPP, FLOUR BY-PRODUCT,		-	-	-	-	-	-	-	-
43	MX 9.5% FIBER, (4)		-	-	-	-	-	-	-	-
44	WHEAT MILL RUN (AAFCO)		-	-	-	-	-	-	-	-
45	-SEE TRITICUM SPP, FLOUR BY-PRODUCT		-	-	-	-	-	-	-	-
46	MILL RUN, MX 9.5% FIBER, (4)		-	-	-	-	-	-	-	-
47	WHEAT RED DOG, MX 4% FIBER (AAFCO)		-	-	-	-	-	-	-	-
48	-SEE TRITICUM SPP, FLOUR BY-PRODUCT,		-	-	-	-	-	-	-	-
49	FINE SIFT, MX 4% FIBER, (4)		-	-	-	-	-	-	-	-
50	WHEAT SHORTS, MX 7% FIBER (AAFCO)		-	-	-	-	-	-	-	-
51	-SEE TRITICUM SPP, FLOUR BY-PRODUCT,		-	-	-	-	-	-	-	-
52	COARSE SIFT, MX 7% FIBER, (4)		-	-	-	-	-	-	-	-
53	WHEAT STANDARD MIDDLINGS		-	-	-	-	-	-	-	-
54	-SEE TRITICUM SPP, FLOUR BY-PRODUCT,		-	-	-	-	-	-	-	-
55	MX 9.5% FIBER, (4)		-	-	-	-	-	-	-	-
56	WHEY, DRIED		-	-	-	-	-	-	-	-
57	-SEE BOS SPP, WHEY, DEHY, MN 65%		-	-	-	-	-	-	-	-
58	LACTOSE, (4)		-	-	-	-	-	-	-	-
59	WHITE HOMINY FEED (AAFCO)		-	-	-	-	-	-	-	-
60	-SEE ZEA MAYS WHITE, GRITS BY-PRODUCT,		-	-	-	-	-	-	-	-
61	MN 5% FAT, (4)		-	-	-	-	-	-	-	-
62	WHOLE-PRESSED COTTONSEED, MECHANICAL EXTRACTED		-	-	-	-	-	-	-	-
63	(AAFCO)		-	-	-	-	-	-	-	-
64	-SEE GOSSYPIUM SPP, SEEDS, MECH-EXTD		-	-	-	-	-	-	-	-
65	GRND, (5)		-	-	-	-	-	-	-	-
66	WIREGRASS		-	-	-	-	-	-	-	-
67	-SEE ARISTIDA SPP, AERIAL PART, FRESH,		-	-	-	-	-	-	-	-
68	(2)		-	-	-	-	-	-	-	-
69	WOOD		-	-	-	-	-	-	-	-
70	-MOLASSES, (4)	4-05-502	61.0	-	-	2.23*	-	-	-	1.83*
71			100.0	-	-	3.66*	-	-	-	3.00*
72	ZEA MAYS. CORN		-	-	-	-	-	-	-	-
73	-AERIAL PART, S-C, RIPE SEED, (1)	1-02-772	68.0	2.06*	1.25*	2.06*	-	1.69*	1.03*	1.69*
74			100.0	3.02*	1.84*	3.03*	-	2.48*	1.51*	2.48*
75	-AERIAL PART, S-C CHOPPED, (1)	1-10-437	58.0	1.33*	0.96*	1.32*	-	1.09*	0.78*	1.09*
76			100.0	2.29*	1.65*	2.28*	-	1.88*	1.35*	1.87*
77	-AERIAL PART, S-C GRND, (1)	1-09-708	-	-	-	-	-	-	-	-
78			100.0	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6. Coef. Ver.	No Ob
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	2731.*	1720.	1.39*	0.89*	1.53*	63.*	-	68.*	65.*	-	15.9	7	17
02	3087.*	1945.	1.57*	1.00*	1.73*	71.*	-	77.*	73.*	-	18.0	-	-
03	2946.*	-	1.58*	1.05*	1.74*	69.*	-	69.*	70.*	-	15.8	21	12
04	3361.*	-	1.80*	1.20*	1.99*	78.*	-	78.*	79.*	-	18.1	-	-
05	3210▲*	3026▲	-	-	-	-	-	85▲*	76▲*	-	11.9	16	9
06	3704▲*	3491▲	-	-	-	-	-	98▲*	87▲*	-	13.7	-	-
07	3248▲*	-	-	-	-	-	-	-	77▲*	-	16.0		1
08	3691▲*	-	-	-	-	-	-	-	87▲*	-	18.2	-	-
09	3399▲	-	1.93*	1.27*	2.07*	79▲	-	79▲	82▲	-	12.4	19	8
10	3798▲	-	2.15*	1.42*	2.31*	88▲	-	88▲	92▲	-	13.8	-	-
11	2271▲*	-	1.26*	0.74*	1.36*	58▲*	-	65▲	65▲	-	14.2	14	10
12	2556▲*	-	1.41*	0.83*	1.53*	65▲*	-	73▲	73▲	-	15.9	-	-
13	3172.*	-	1.68*	1.12*	1.84*	72.*	-	77.*	75.*	-	13.6	8	7
14	3604.*	-	1.90*	1.27*	2.09*	81.*	-	87.*	85.*	-	15.4	-	-
15	3137.*	-	1.68*	1.12*	1.84*	72.*	-	77.*	74.*	-	15.8		1
16	3564.*	-	1.91*	1.27*	2.09*	82.*	-	87.*	84.*	-	18.0	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-
18	3332▲*	-	-	-	-	-	-	-	79▲*	-	11.4		1
19	3715▲*	-	-	-	-	-	-	-	88▲*	-	12.7	-	-
20	-	-	1.75*	1.17*	1.92*	74.*	-	88.*	-	-	27.2		1
21	-	-	1.94*	1.30*	2.12*	82.*	-	97.*	-	-	30.2	-	-
22	-	3005▲	1.63*	1.09*	1.79*	70▲*	-	81▲*	-	-	23.9	8	11
23	-	3433▲	1.86*	1.24*	2.05*	80▲*	-	92▲*	-	-	27.3	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	1.13*	0.55*	1.17*	53▲*	45▲*	53▲	-	-	16.0		3
29	-	-	1.25*	0.60*	1.30*	58▲*	50▲*	58▲	-	-	17.7	-	-
30	2542▲*	-	2.33*	1.44*	2.39*	88▲*	-	76▲	75▲	-	23.8	5	4
31	2856▲*	-	2.62*	1.62*	2.68*	99▲*	-	85▲	84▲	-	26.8	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	51▲*	-	-	0.6		2
71	-	-	-	-	-	-	-	83▲*	-	-	1.0	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	1.02*	0.63*	1.12*	47▲	31▲*	47▲	-	-	7.2		2
74	-	-	1.50*	0.93*	1.64*	69▲	46▲*	69▲	-	-	10.6	-	-
75	-	-	0.64*	0.21*	0.62*	30.*	23.*	30.*	-	-	4.0		2
76	-	-	1.11*	0.36*	1.08*	52.*	40.*	52.*	-	-	6.9	-	-
77	-	-	-	-	-	-	-	-	-	-	-		1
78	-	-	-	-	-	-	-	-	-	-	9.4	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Coef. Var.	Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	11.1*	12.1*	13.2	-	-	9.9	21	16	4.0	0.10		3
02	12.5*	13.7*	14.9	-	-	11.2	-	-	4.5	0.11	-	-
03	11.1*	12.1*	12.1*	-	-	7.4	15	15	4.6	-	-	-
04	12.6*	13.8*	13.8*	-	-	8.4	-	-	5.2	-	-	-
05	7.5*	8.5*	10.9	-	-	0.2	49	5	0.6	0.04		1
06	8.6*	9.8*	12.6	-	-	0.3	-	-	0.7	0.05	-	-
07	11.2*	12.2*	12.2*	-	-	0.8		1	2.4	-	-	-
08	12.7*	13.9*	13.9*	-	-	0.9	-	-	2.7	-	-	-
09	9.7	8.9*	9.9	11.4	-	5.2	59	4	2.4	0.05		1
10	10.0	9.9*	11.1	12.7	-	5.8	-	-	2.7	0.06	-	-
11	9.5*	10.5*	10.2	11.3	-	7.8	45	7	3.5	0.17	90	5
12	10.6*	11.8*	11.5	12.7	-	8.7	-	-	4.0	0.19	-	-
13	8.9*	10.0*	10.0*	-	-	2.2	7	7	1.4	-	-	-
14	10.2*	11.4*	11.4*	-	-	2.5	-	-	1.6	-	-	-
15	11.0*	12.1*	12.1*	-	-	2.6		1	1.2	-	-	-
16	12.5*	13.7*	13.7*	-	-	2.9	-	-	1.4	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	6.9*	8.0*	8.0*	-	-	0.4		1	0.9	0.02		1
19	7.7*	8.2*	8.9*	-	-	0.4	-	-	1.0	0.03	-	-
20	-	-	-	-	-	2.2		1	9.6	-	-	-
21	-	-	-	-	-	2.4	-	-	10.6	-	-	-
22	-	-	-	-	-	5.3	98	12	8.6	0.06	25	12
23	-	-	-	-	-	6.1	-	-	9.8	0.07	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	11.1*	11.3*	10.8	-	-	24.8	9	4	2.6	1.37		1
29	12.2*	12.5*	11.9	-	-	27.4	-	-	2.9	1.52	-	-
30	-	-	19.5	22.4	-	5.0	24	4	1.5	0.09		2
31	-	-	21.9	25.2	-	5.6	-	-	1.7	0.10	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-
70	-1.8*	-1.0*	-1.0*	-	-	-	-	-	0.3	1.42		2
71	-3.0*	-1.8*	-1.8*	-	-	-	-	-	0.5	2.33	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-
73	3.6	4.4*	4.6	-	-	17.5		2	1.5	-	-	-
74	5.3	6.5*	6.8	-	-	25.7	-	-	2.2	-	-	-
75	1.7*	2.0*	1.6*	-	-	17.6		2	0.9	-	-	-
76	2.9*	3.4*	2.8*	-	-	30.3	-	-	1.6	-	-	-
77	-	-	-	-	-	-		1	-	-	-	-
78	5.1*	5.5*	5.0*	-	-	10.2	-	-	4.0	-	-	-

Tables of Food Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	0.50	1.04		3	1.26	-	-	1010a	150.4	18.3	-	2.4	-	-	0.20	0.59	0.27	0.20
02	0.57	1.18	-	-	1.42	-	-	1142a	147.5	20.7	-	2.7	-	-	0.22	0.66	0.31	0.22
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.08		1	-	-	-	432a	25.5	5.4	-	0.6	-	-	0.20	0.44	0.10	0.15
06	-	0.09	-	-	-	-	-	499a	29.4	6.2	-	0.7	-	-	0.23	0.51	0.11	0.17
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	0.32	16	4	0.42	-	9.0	1010a	6.5	11.5	-	0.1	-	-	0.32	0.80	0.35	-
10	-	0.36	-	-	0.47	-	10.1	1128a	7.3	12.9	-	0.1	-	-	0.36	0.89	0.39	-
11	-	0.37	21	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.11		1	0.08	-	-	-	7.0	-	-	1.0	-	-	-	-	-	-
19	-	0.12	-	-	0.09	-	-	-	7.8	-	-	1.1	-	-	-	-	-	-
20	-	0.99		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	0.26	0.95	10	12	0.86	0.31	129.7	3300a	66.8	21.4	-	5.6	-	-	0.48	1.55	0.41	0.29
23	0.29	1.08	-	-	0.98	0.35	148.2	3770a	76.3	24.4	-	6.4	-	-	0.55	1.77	0.47	0.34
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	0.15	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	0.34		2	2.16	-	-	-	-	-	-	-	-	-	-	1.08	0.51	0.52
29	-	0.37	-	-	2.32	-	-	-	-	-	-	-	-	-	-	1.20	0.57	0.58
30	0.26	0.44		2	1.16	0.25	-	-	24.4	15.4	-	2.3	-	-	-	2.10	0.20	0.30
31	0.29	0.50	-	-	1.30	0.28	-	-	27.4	17.3	-	2.5	-	-	-	2.36	0.22	0.34
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	0.06	0.03		2	0.04	0.03	-	-	-	-	-	-	-	-	-	-	-	-
71	0.11	0.05	-	-	0.06	0.05	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-AERIAL PART WO EARS WO HUSKS, S-C, (1)	1-02-778	92.3	2.19*	1.63*	2.31*	-	1.80*	1.34*	1.89*
02			100.0	2.38*	1.77*	2.50*	-	1.95*	1.45*	2.05*
03	-AERIAL PART WO EARS WO HUSKS, S-C,	1-02-776	85.6	2.28*	1.32*	2.33*	-	1.87*	1.08*	1.91*
04	RIPE SEED, (1)		100.0	2.66*	1.55*	2.72*	-	2.18*	1.27*	2.23*
05	-CORS, (1)	1-02-783	89.4	2.51*	1.90*	2.32*	-	2.05*	1.56*	1.90*
06			100.0	2.80*	2.13*	2.59*	-	2.30*	1.74*	2.13*
07	-CORS AND HUSKS, GRND, (1)	1-09-588	86.7	-	-	-	-	-	-	-
08			100.0	-	-	-	-	-	-	-
09	-CORS, CRACKED, (1)	1-10-438	92.0	2.08*	-	2.11*	-	1.71*	-	1.73*
10			100.0	2.26*	-	2.29*	-	1.86*	-	1.88*
11	-CORS, GRND, (1)	1-02-782	83.2	1.87*	1.08*	1.85*	-	1.53*	0.89*	1.52*
12	GROUND CORN COB (AAFCO)		100.0	2.24*	1.30*	2.23*	-	1.84*	1.07*	1.83*
13	-HUSKS, (1)	1-02-786	89.0	2.23*	1.68*	2.14*	-	1.83*	1.38*	1.76*
14			100.0	2.50*	1.89*	2.41*	-	2.05*	1.55*	1.97*
15	-LEAVES, DEHY, (1)	1-10-439	88.6	2.21*	1.75*	2.13*	-	1.81*	1.43*	1.75*
16			100.0	2.49*	1.97*	2.40*	-	2.04*	1.62*	1.97*
17	-STEMS, (1)	1-02-795	92.3	2.09*	1.35*	2.05*	-	1.72*	1.11*	1.68*
18			100.0	2.27*	1.47*	2.22*	-	1.86*	1.20*	1.82*
19	-AERIAL PART, FRESH, (2)	2-02-806	31.1	0.76*	-	0.95*	-	0.62*	-	0.78*
20			100.0	2.45*	-	3.05*	-	2.01*	-	2.50*
21	-AERIAL PART, FRESH, 53 TO 59 DAYS' GROWTH, (2)	2-10-419	17.9	-	-	-	-	-	-	-
22			100.0	-	-	-	-	-	-	-
23	-AERIAL PART, FRESH, 60 TO 66 DAYS' GROWTH, (2)	2-10-418	19.3	-	-	-	-	-	-	-
24			100.0	-	-	-	-	-	-	-
25	-AERIAL PART, FRESH, 67 TO 73 DAYS' GROWTH, (2)	2-10-417	23.5	-	-	-	-	-	-	-
26			100.0	-	-	-	-	-	-	-
27	-AERIAL PART, FRESH, 74 TO 80 DAYS' GROWTH, (2)	2-10-416	24.1	-	-	-	-	-	-	-
28			100.0	-	-	-	-	-	-	-
29	-AERIAL PART, FRESH, 81 TO 87 DAYS' GROWTH, (2)	2-10-415	34.4	-	-	-	-	-	-	-
30			100.0	-	-	-	-	-	-	-
31	-AERIAL PART, FRESH, 88 TO 94 DAYS' GROWTH, (2)	2-10-414	31.6	-	-	-	-	-	-	-
32			100.0	-	-	-	-	-	-	-
33	-AERIAL PART, FRESH CHOPPED, (2)	2-10-357	22.2	0.58*	-	0.59*	-	0.47*	-	0.48*
34			100.0	2.59*	-	2.64*	-	2.12*	-	2.17*
35	-AERIAL PT WO EARS WO HUSKS, FRESH, (2)	2-02-809	16.8	0.35*	-	0.40*	-	0.29*	-	0.33*
36			100.0	2.09*	-	2.38*	-	1.71*	-	1.95*
37	-AERIAL PART, CHOPPED ENSILED, (3)	3-10-421	-	-	-	-	-	-	-	-
38			100.0	2.43*	-	2.39*	-	2.00*	-	1.96*
39	-AERIAL PART, CHOPPED ENSILED, MILK STAGE, (3)	3-08-610	-	-	-	-	-	-	-	-
40			100.0	2.45*	-	2.40*	-	2.01*	-	1.97*
41	-AERIAL PART, ENSILED, (3)	3-02-822	26.2	0.78*	-	0.77*	-	0.64*	-	0.63*
42			100.0	2.97*	-	2.95*	-	2.43*	-	2.42*
43	-AERIAL PART, ENSILED, MILK STAGE, (3)	3-02-818	23.2	0.64	-	-	-	0.52*	-	-
44			100.0	2.75	-	-	-	2.25*	-	-
45	-AERIAL PART, ENSILED, DOUGH STAGE, (3)	3-02-819	25.6	0.69	-	0.74*	-	0.56*	-	0.61*
46			100.0	2.68	-	2.89*	-	2.20*	-	2.37*
47	-AERIAL PART, ENSILED, RIPE SEED, (3)	3-02-820	34.0	0.97*	-	-	-	0.80*	-	-
48			100.0	2.86*	-	-	-	2.34*	-	-
49	-AERIAL PART, ENSILED TRENCH SILO, (3)	3-02-824	26.0	0.65*	-	0.72*	-	0.54*	-	0.59*
50			100.0	2.52*	-	2.75*	-	2.06*	-	2.26*
51	-AERIAL PART WO EARS WO HUSKS, ENSILED, (3)	3-02-836	32.3	0.72*	-	0.75*	-	0.59*	-	0.62*
52			100.0	2.23*	-	2.34*	-	1.83*	-	1.92*
53	-EARS W HUSKS, ENSILED, (3)	3-02-839	-	-	-	-	-	-	-	-
54			100.0	3.47*	-	3.68*	-	2.85*	-	3.02*
55	-BRAN, WET OR DRY MILLED DEHY, (4)	4-02-841	68.0	2.40*	-	2.25*	2365A*	1.97*	-	1.84*
56			100.0	3.53*	-	3.30*	3478A*	2.90*	-	2.71*
57	-CHAFF, (4)	4-09-589	86.8	3.02*	-	3.26*	3256.*	2.47*	-	2.67*
58			100.0	3.47*	-	3.76*	3751.*	2.85*	-	3.08*
59	-EARS, GRND, (4)	4-02-849	86.7	2.92*	-	3.01*	3092A*	2.40*	-	2.47*
60	CORN AND COB MEAL (AAFCO)		100.0	3.37*	-	3.47*	3567A*	2.76*	-	2.85*
61	EAR CORN CHOP (AAFCO)		-	-	-	-	-	-	-	-
62	GROUND EAR CORN (AAFCO)		-	-	-	-	-	-	-	-
63	-EARS W HUSKS, GRND, (4)	4-02-850	88.7	2.99*	-	3.20*	3228.*	2.46*	-	2.63*
64	CORN AND COB MEAL WITH HUSKS (AAFCO)		100.0	3.38*	-	3.61*	3639.*	2.77*	-	2.96*
65	EAR CORN CHOP WITH HUSKS (AAFCO)		-	-	-	-	-	-	-	-
66	GROUND EAR CORN WITH HUSKS (AAFCO)		-	-	-	-	-	-	-	-
67	-ELEVATOR CHAFF AND DUST, (4)	4-09-754	-	-	-	-	-	-	-	-
68			100.0	2.38*	-	3.17*	3118.*	1.95*	-	2.60*
69	-FLOUR, (4)	4-08-024	86.7	2.35*	-	3.06*	3061.*	1.93*	-	2.51*
70	CORN FLOUR (AAFCO)		100.0	2.71*	-	3.52*	3530.*	2.22*	-	2.89*
71	-GRAIN, (4)	4-02-879	87.2	3.39*	-	3.68*	2985.*	2.78*	-	3.02*
72			100.0	3.89*	-	4.22*	3424.*	3.19*	-	3.46*
73	-GRAIN, CRACKED, (4)	4-10-420	89.9	3.27*	-	3.48*	3405.*	2.68*	-	2.86*
74			100.0	3.64*	-	3.87*	3787.*	2.98*	-	3.18*
75	-GRAIN, CRACKED, MX 4% FOREIGN MATERIAL, (4)	4-02-854	87.7	3.19*	-	3.39*	3319.*	2.62*	-	2.78*
76	CRACKED CORN (AAFCO)		100.0	3.64*	-	3.87*	3785.*	2.99*	-	3.17*
77	-GRAIN, EXTN UNSPECIFIED GRND, (4)	4-02-857	88.3	2.96*	-	3.15*	3150A*	2.43*	-	2.58*
78			100.0	3.35*	-	3.57*	3566A*	2.75*	-	2.93*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein(N×6.25) Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	1.06*	0.40*	1.05*	50.*	40.*	52.*	-	-	7.9	98	12
02	-	-	1.15*	0.43*	1.14*	54.*	44.*	57.*	-	-	8.6	-	-
03	-	-	1.11*	0.57*	1.17*	52.	32.*	53.	-	-	5.8	20	4
04	-	-	1.29*	0.67*	1.36*	60.	38.*	62.	-	-	6.8	-	-
05	-	-	1.23*	0.70*	1.32*	57.*	48.*	53.*	-	-	5.4	68	6
06	-	-	1.37*	0.78*	1.47*	64.*	54.*	59.*	-	-	6.0	-	-
07	-	-	-	-	-	-	-	-	-	-	7.1		1
08	-	-	-	-	-	-	-	-	-	-	8.2	-	-
09	-	-	1.01*	0.31*	0.97*	47.*	-	48.*	-	-	2.8		2
10	-	-	1.10*	0.33*	1.05*	51.*	-	52.*	-	-	3.0	-	-
11	-	-	0.90*	0.26*	0.86*	42.*	26.	42.	-	-	2.6	11	7
12	-	-	1.09*	0.31*	1.04*	51.*	31.	50.	-	-	3.1	-	-
13	-	-	1.08*	0.48*	1.10*	51.*	42.*	49.*	-	-	7.3	25	4
14	-	-	1.21*	0.54*	1.24*	57.*	47.*	55.*	-	-	8.2	-	-
15	-	-	1.07*	0.47*	1.09*	50.*	44.*	48.*	-	-	9.7		1
16	-	-	1.21*	0.54*	1.23*	57.*	49.*	54.*	-	-	10.9	-	-
17	-	-	1.01*	0.31*	0.97*	47.*	33.*	47.*	-	-	4.8		1
18	-	-	1.10*	0.34*	1.06*	51.*	35.*	50.*	-	-	5.2	-	-
19	-	-	0.37*	0.15*	0.37*	17.*	-	21.	-	-	1.9	26	7
20	-	-	1.18*	0.50*	1.20*	55.*	-	69.	-	-	6.2	-	-
21	-	-	-	-	-	-	-	-	-	-	1.2		1
22	-	-	-	-	-	-	-	-	-	-	6.8	-	-
23	-	-	-	-	-	-	-	-	-	-	1.0		1
24	-	-	-	-	-	-	-	-	-	-	5.2	-	-
25	-	-	-	-	-	-	-	-	-	-	0.8		1
26	-	-	-	-	-	-	-	-	-	-	3.3	-	-
27	-	-	-	-	-	-	-	-	-	-	2.2		1
28	-	-	-	-	-	-	-	-	-	-	9.3	-	-
29	-	-	-	-	-	-	-	-	-	-	2.3		1
30	-	-	-	-	-	-	-	-	-	-	6.8	-	-
31	-	-	-	-	-	-	-	-	-	-	1.5		1
32	-	-	-	-	-	-	-	-	-	-	4.8	-	-
33	-	-	0.28*	0.14*	0.29*	13.*	-	13.*	-	-	1.6	16	18
34	-	-	1.25*	0.61*	1.30*	59.*	-	60.*	-	-	7.1	-	-
35	-	-	0.17*	0.03*	0.15*	8.*	-	9.*	-	-	0.8	11	39
36	-	-	1.02*	0.16*	0.91*	47.*	-	54.*	-	-	4.9	-	-
37	-	-	-	-	-	-	-	-	-	-	-		2
38	-	-	1.18*	0.48*	1.18*	55.*	-	54.*	-	-	6.4	-	-
39	-	-	-	-	-	-	-	-	-	-	-		1
40	-	-	1.18*	0.50*	1.20*	56.*	-	54.*	-	-	8.7	-	-
41	-	-	0.38*	0.23*	0.42*	18.	-	18.	-	-	1.8	19	64
42	-	-	1.47*	0.89*	1.60*	67.	-	67.	-	-	6.7	-	-
43	-	-	0.31*	0.17*	0.33*	16.	-	-	-	-	1.4	63	15
44	-	-	1.34*	0.74*	1.43*	67.	-	-	-	-	6.1	-	-
45	-	-	0.33*	0.18*	0.35*	18.	-	17.*	-	-	2.6	98	81
46	-	-	1.31*	0.69*	1.38*	69.	-	66.*	-	-	10.0	-	-
47	-	-	0.40*	0.28*	0.51*	22.*	-	-	-	-	1.8	17	6
48	-	-	1.40*	0.82*	1.51*	65.*	-	-	-	-	5.4	-	-
49	-	-	0.32*	0.14*	0.32*	15.*	-	16.*	-	-	1.9		1
50	-	-	1.22*	0.55*	1.25*	57.*	-	62.*	-	-	7.3	-	-
51	-	-	0.35*	0.10*	0.33*	16.*	-	17.	-	-	1.7		2
52	-	-	1.08*	0.30*	1.03*	51.*	-	53.	-	-	5.3	-	-
53	-	-	-	-	-	-	-	-	-	-	-		1
54	-	-	1.82*	1.21*	2.00*	79.*	-	84.*	-	-	9.8	-	-
55	2270.*	-	1.27*	0.84*	1.39*	54.*	51.	51.	54.*	-	7.2	47	5
56	3339.*	-	1.86*	1.24*	2.04*	80.*	75.	75.	79.*	-	10.6	-	-
57	3125.*	-	1.58*	1.05*	1.73*	68.*	-	74.*	74.*	-	10.4		1
58	3601.*	-	1.82*	1.21*	2.00*	79.*	-	85.*	85.*	-	12.0	-	-
59	2519.*	2842.	1.51*	1.00*	1.66*	66.*	-	68.	70.	-	8.0	6	5
60	2905.*	3278.	1.74*	1.15*	1.92*	76.*	-	79.	81.	-	9.2	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-
63	3099.*	-	1.55*	1.02*	1.70*	60.*	-	73.*	73.*	-	8.3		1
64	3494.*	-	1.74*	1.15*	1.92*	77.*	-	82.*	83.*	-	9.4	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-		2
68	2993.*	-	1.15*	0.43*	1.14*	54.*	-	72.*	71.*	-	11.4	-	-
69	2938.*	-	1.14*	0.61*	1.21*	53.*	-	69.*	69.*	-	9.0		1
70	3389.*	-	1.32*	0.71*	1.40*	61.*	-	80.*	80.*	-	10.4	-	-
71	2468.*	-	1.89*	1.24*	2.03*	77.	79.	83.	68.	-	8.7	14	70
72	2830.*	-	2.16*	1.42*	2.32*	88.	91.	96.	78.	-	10.0	-	-
73	3269.*	-	1.75*	1.17*	1.91*	74.*	-	79.*	77.*	-	8.5		1
74	3636.*	-	1.95*	1.30*	2.13*	83.*	-	88.*	86.*	-	9.5	-	-
75	3186.*	-	1.71*	1.14*	1.87*	72.*	-	77.*	75.*	-	8.9		1
76	3633.*	-	1.95*	1.30*	2.13*	83.*	-	88.*	86.*	-	10.1	-	-
77	3024.*	-	1.52*	1.00*	1.68*	67.*	-	71.*	71.*	-	14.3		2
78	3423.*	-	1.72*	1.14*	1.90*	76.*	-	81.*	81.*	-	16.2	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	4.1*	4.5*	4.0*	-	-	29.4	25	12	1.8			1
02	4.4*	4.8*	4.3*	-	-	31.8	-	-	1.9		-	-
03	2.3	2.8*	2.5	-	-	28.6	5	4	1.1	0.51		1
04	2.7	3.3*	3.0	-	-	33.4	-	-	1.3	0.60	-	-
05	1.9*	2.4*	1.8*	-	-	24.6	42	6	3.3			1
06	2.2*	2.7*	2.0*	-	-	27.5	-	-	3.7		-	-
07	3.5*	3.9*	3.4*	-	-	8.8		1	2.0	-	-	-
08	4.0*	4.5*	3.9*	-	-	10.1	-	-	2.3	-	-	-
09	-0.3*	0.1*	-0.6*	-	-	31.9		2	0.6	0.03		1
10	-0.3*	0.1*	-0.6*	-	-	34.6	-	-	0.7	0.03	-	-
11	-0.2*	0.4	-0.3	-	-	30.6	12	7	0.6	0.02		2
12	-0.3*	0.5	-0.3	-	-	36.8	-	-	0.7	0.02	-	-
13	3.6*	4.0*	3.5*	-	-	25.4	32	4	2.4	-	-	-
14	4.0*	4.5*	3.9*	-	-	28.5	-	-	2.7	-	-	-
15	5.7*	6.0*	5.7*	-	-	24.9		1	2.8	-	-	-
16	6.4*	6.8*	6.4*	-	-	28.1	-	-	3.2	-	-	-
17	1.3*	1.8*	1.1*	-	-	38.7		1	1.4			1
18	1.4*	1.9*	1.2*	-	-	41.9	-	-	1.5		-	-
19	1.0*	0.9*	1.1	-	-	9.9	20	7	0.7	0.12		1
20	3.2*	2.8*	3.7	-	-	31.9	-	-	2.3	0.39	-	-
21	0.7*	0.6*	0.6	-	-	-	-	-	-	-	-	-
22	3.7*	3.3*	3.3	-	-	-	-	-	-	-	-	-
23	0.4*	0.4*	0.4	-	-	-	-	-	-	-	-	-
24	2.3*	1.9*	1.9	-	-	-	-	-	-	-	-	-
25	0.2*	0.1*	0.1	-	-	-	-	-	-	-	-	-
26	0.7*	0.3*	0.4	-	-	-	-	-	-	-	-	-
27	1.4*	1.3*	1.3	-	-	-	-	-	-	-	-	-
28	5.8*	5.4*	5.6	-	-	-	-	-	-	-	-	-
29	1.3*	1.1*	1.3	-	-	-	-	-	-	-	-	-
30	3.7*	3.3*	3.7	-	-	-	-	-	-	-	-	-
31	0.6*	0.5*	0.5	-	-	-	-	-	-	-	-	-
32	2.0*	1.6*	1.6	-	-	-	-	-	-	-	-	-
33	0.9*	0.8*	0.8*	-	-	6.6	5	8	0.5	0.03		1
34	3.9*	3.5*	3.6*	-	-	29.6	-	-	2.1	0.15	-	-
35	0.4*	0.3*	0.3*	-	-	6.3	9	39	0.3	-	-	-
36	2.1*	1.7*	1.6*	-	-	37.1	-	-	2.0	-	-	-
37	-	-	-	-	-	-		2	-	-	-	-
38	2.1*	2.1*	2.1*	-	-	34.6	-	-	1.3	-	-	-
39	-	-	-	-	-	-		1	-	-	-	-
40	4.1*	4.1*	4.1*	-	-	29.2	-	-	1.8	-	-	-
41	0.8	0.6*	1.0	-	-	7.0	12	64	0.9	0.13	98	22
42	3.2	2.3*	3.6	-	-	26.6	-	-	3.3	0.50	-	-
43	0.7	0.4*	0.4*	-	-	7.3	12	5	0.6	0.06		1
44	3.0	1.7*	1.7*	-	-	31.4	-	-	2.7	0.28	-	-
45	1.3	1.4*	1.4*	-	-	7.5	53	29	0.8	0.27	71	11
46	5.1	5.3*	5.3*	-	-	29.2	-	-	3.1	1.06	-	-
47	0.4*	0.4*	0.4*	-	-	8.2		1	1.4	-	-	-
48	1.1*	1.1*	1.1*	-	-	24.2	-	-	4.2	-	-	-
49	0.8*	0.8*	0.8*	-	-	7.9		1	1.6	-	-	-
50	2.9*	2.9*	2.9*	-	-	30.5	-	-	6.3	-	-	-
51	0.3*	0.3*	0.7	-	-	11.7		2	0.6	-	-	-
52	1.0*	1.0*	2.0	-	-	36.2	-	-	1.7	-	-	-
53	-	-	-	-	-	-		1	-	-	-	-
54	5.1*	5.1*	5.1*	-	-	9.7	-	-	3.5	-	-	-
55	3.9*	3.7	4.1	-	-	8.3	27	6	4.3	0.22		2
56	5.7*	5.5	6.0	-	-	12.2	-	-	6.4	0.32	-	-
57	6.1*	7.1*	7.1*	-	-	3.5		1	2.1	-	-	-
58	7.0*	8.2*	8.2*	-	-	4.0	-	-	2.4	-	-	-
59	3.9*	4.9*	4.4	5.8	-	8.2	20	5	3.3			1
60	4.5*	5.7*	5.1	6.6	-	9.4	-	-	3.8	0.01	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-
63	4.1*	5.2*	5.2*	-	-	8.9		1	2.7	-	-	-
64	4.6*	5.8*	5.8*	-	-	10.1	-	-	3.1	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-		2	-	-	-	-
68	6.5*	7.7*	7.7*	-	-	10.8	-	-	4.6	-	-	-
69	4.8*	5.9*	5.9*	-	-	2.2		1	4.2	-	-	-
70	5.5*	6.7*	6.7*	-	-	2.5	-	-	4.8	-	-	-
71	6.0	6.8	6.5	5.8	-	2.2	35	53	4.4	0.35	98	8
72	6.9	7.8	7.4	6.6	-	2.5	-	-	5.0	0.40	-	-
73	4.3*	5.3*	5.3*	-	-	1.6		1	3.3	-	-	-
74	4.7*	5.9*	5.9*	-	-	1.8	-	-	3.7	-	-	-
75	4.7*	5.7*	5.7*	-	-	1.4		1	3.2	-	-	-
76	5.3*	6.5*	6.5*	-	-	1.6	-	-	3.6	-	-	-
77	9.7*	10.7*	10.7*	-	-	5.9		3	3.0	-	-	-
78	10.9*	12.1*	12.1*	-	-	6.7	-	-	3.4	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	0.02		1	1.41	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	0.10	-	-	1.64	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	0.06	0.02		2	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-
12	0.07	0.02	-	-	0.91	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-			1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	0.05	0.01		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	0.16	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	0.05	28	21	0.23	-	-	-	5.1	-	-	-	-	-	-	-	-	-
42	-	0.20	-	-	0.88	-	-	-	19.5	-	-	-	-	-	-	-	-	-
43	0.10	0.06		1	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-
44	0.41	0.24	-	-	1.57	-	-	-	-	-	-	-	-	-	-	-	-	-
45	0.07	0.33	98	11	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-
46	0.28	1.27	-	-	4.02	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	0.05	0.12		2	0.13	0.06	-	-	8.5	4.0	-	944.4	-	-	-	-	-	-
56	0.08	0.18	-	-	0.19	0.08	-	-	12.5	5.9	-	388.9	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	0.13	0.01		1	0.43	-	-	355A	17.8	4.2	-	0.9	-	-	0.14	0.20	0.14	0.07
60	0.15	0.01	-	-	0.50	-	-	410A	20.5	4.9	-	1.0	-	-	0.16	0.23	0.16	0.08
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	0.09	0.60	87	11	0.19	-	-	-	28.1	-	-	640.8	-	-	0.15	0.20	0.14	0.36
72	0.11	0.68	-	-	0.21	-	-	-	32.2	-	-	734.9	-	-	0.18	0.23	0.16	0.41
73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-GRAIN, FERTILIZED, (4)	4-10-359	85.8	3.09*	-	3.30*	3290.*	2.54*	-	2.71*
02			100.0	3.60*	-	3.84*	3833.*	2.95*	-	3.15*
03	-GRAIN, FLAKED, (4)	4-02-859	91.9	-	-	-	3865.*	-	-	-
04	FLAKED CORN (AAFCO)		100.0	-	-	-	4206.*	-	-	-
05	-GRAIN, GRND, (4)	4-10-422	87.3	3.04*	-	3.30*	3274.*	2.49*	-	2.71*
06			100.0	3.48*	-	3.78*	3749.*	2.85*	-	3.10*
07	-GRAIN, GRND, MX 4% FOREIGN MATERIAL, (4)	4-02-861	87.2	3.04*	-	3.32*	3251.*	2.49*	-	2.72*
08	CORN CHOP (AAFCO)		100.0	3.49*	-	3.81*	3727.*	2.86*	-	3.12*
09	CORN MEAL (AAFCO)		-	-	-	-	-	-	-	-
10	GROUND CORN (AAFCO)		-	-	-	-	-	-	-	-
11	-GRAIN, GRND FERTILIZED, (4)	4-10-358	86.0	3.05*	-	3.29*	3278.*	2.50*	-	2.70*
12			100.0	3.54*	-	3.83*	3812.*	2.90*	-	3.14*
13	-GRAIN W FAT ADDED, GRND, (4)	4-09-707	90.7	4.35*	-	3.88*	3670.*	3.56*	-	3.18*
14			100.0	4.79*	-	4.27*	4046.*	3.93*	-	3.50*
15	-GRAIN WO GERM, (4)	4-02-884	88.5	-	-	3.46*	3645.*	-	-	2.84*
16			100.0	-	-	3.91*	4118.*	-	-	3.20*
17	-GRAIN, CAN 3 CE MN WT 52 LB PER	4-02-874	86.5	3.13*	-	3.33*	3249.*	2.57*	-	2.73*
18	BUSHEL MX 5% FOREIGN MATERIAL, (4)		100.0	3.62*	-	3.85*	3756.*	2.97*	-	3.16*
19	-GRAIN, CAN 2 CE MN WT 54 LB PER	4-02-872	86.5	3.13*	-	3.33*	3252.*	2.57*	-	2.73*
20	BUSHEL MX 3% FOREIGN MATERIAL, (4)		100.0	3.62*	-	3.85*	3760.*	2.97*	-	3.16*
21	-GRAIN, CAN 4 CE MN WT 50 LB PER	4-02-876	86.5	3.12*	-	3.33*	3270.*	2.56*	-	2.73*
22	BUSHEL MX 7% FOREIGN MATERIAL, (4)		100.0	3.61*	-	3.85*	3781.*	2.96*	-	3.15*
23	-GRAIN, CAN 1 CE MN WT 56 LB PER	4-02-870	86.5	3.14*	-	3.33*	3255.*	2.57*	-	2.73*
24	BUSHEL MX 2% FOREIGN MATERIAL, (4)		100.0	3.63*	-	3.85*	3763.*	2.97*	-	3.16*
25	-GRAIN, CAN 2 CW MN WT 54 LB PER	4-02-873	86.5	3.15*	-	3.33*	3255.*	2.58*	-	2.73*
26	BUSHEL MX 3% FOREIGN MATERIAL, (4)		100.0	3.64*	-	3.85*	3763.*	2.99*	-	3.16*
27	-GRAIN, CAN 3 CW MN WT 52 LB PER	4-02-875	86.5	3.15*	-	3.33*	3259.*	2.58*	-	2.73*
28	BUSHEL MX 5% FOREIGN MATERIAL, (4)		100.0	3.64*	-	3.85*	3768.*	2.98*	-	3.16*
29	-GRAIN, CAN 4 CW MN WT 50 LB PER	4-02-877	86.5	3.15*	-	3.33*	3259.*	2.58*	-	2.73*
30	BUSHEL MX 7% FOREIGN MATERIAL, (4)		100.0	3.64*	-	3.85*	3768.*	2.98*	-	3.16*
31	-GRAIN, CAN 5 CW MN WT 47 LB PER	4-02-878	86.5	3.16*	-	3.33*	3257.*	2.59*	-	2.73*
32	BUSHEL MX 12% FOREIGN MATERIAL, (4)		100.0	3.65*	-	3.85*	3765.*	3.00*	-	3.15*
33	-GRAIN, CAN 1 CW MN WT 56 LB PER	4-02-871	86.5	3.15*	-	3.33*	3256.*	2.58*	-	2.73*
34	BUSHEL MX 2% FOREIGN MATERIAL, (4)		100.0	3.64*	-	3.85*	3765.*	2.98*	-	3.16*
35	-GRITS BY-PRODUCT, MN 5% FAT, (4)	4-02-887	89.3	3.81*	-	3.61*	3329.*	3.12*	-	2.96*
36	HOMINY FEED (AAFCO)		100.0	4.27*	-	4.04*	3728.*	3.50*	-	3.32*
37	-DISTILLERS GRAINS, DEHY, (5)	5-02-842	94.0	3.24*	-	3.45*	-	2.65*	-	2.83*
38	CORN DISTILLERS DRIED GRAINS (AAFCO)		100.0	3.44*	-	3.67*	-	2.82*	-	3.01*
39	-DISTILLERS GRAINS W SOLUBLES, DEHY,	5-02-843	92.8	3.13*	-	3.43*	-	2.57*	-	2.81*
40	MN 75% ORIGINAL SOLIDS, (5)		100.0	3.37*	-	3.69*	-	2.77*	-	3.03*
41	CORN DISTILLERS DRIED GRAINS WITH SOLUBLES		-	-	-	-	-	-	-	-
42	(AAFCO)		-	-	-	-	-	-	-	-
43	-DISTILLERS SOLUBLES, DEHY, (5)	5-02-844	92.1	3.21*	-	3.46*	-	2.63*	-	2.84*
44	CORN DISTILLERS DRIED SOLUBLES (AAFCO)		100.0	3.49*	-	3.75*	-	2.86*	-	3.08*
45	-DISTILLERS STILLAGE, WET, (5)	5-02-846	6.9	0.23*	-	0.28*	-	0.19*	-	0.23*
46			100.0	3.37*	-	4.03*	-	2.76*	-	3.31*
47	-GERM, (5)	5-02-896	88.2	-	-	4.62*	-	-	-	3.79*
48			100.0	-	-	5.24*	-	-	-	4.30*
49	-GLUTEN, MALTOSE PROCESS, (5)	5-02-899	89.7	3.35*	-	3.72*	-	2.74*	-	3.05*
50			100.0	3.73*	-	4.15*	-	3.06*	-	3.40*
51	-GLUTEN W BRAN, WET MILLED DEHY, (5)	5-02-903	90.3	3.32*	-	3.31*	-	2.72*	-	2.71*
52	CORN GLUTEN FEED (AAFCO)		100.0	3.68*	-	3.66*	-	3.02*	-	3.00*
53	-GLUTEN, WET MILLED, (5)	5-10-440	35.9	1.51*	-	1.45*	-	1.24*	-	1.19*
54			100.0	4.21*	-	4.04*	-	3.45*	-	3.31*
55	-GLUTEN, WET MILLED DEHY, (5)	5-02-900	84.8	3.13*	-	3.47*	-	2.57*	-	2.85*
56			100.0	3.69*	-	4.10*	-	3.03*	-	3.36*
57	ZEA MAYS. CORN, BLACK		-	-	-	-	-	-	-	-
58	-GRAIN, (4)	4-10-801	88.1	3.08*	-	3.40*	3274.*	2.53*	-	2.78*
59			100.0	3.50*	-	3.85*	3716.*	2.87*	-	3.16*
60	ZEA MAYS. CORN, OPAQUE 2		-	-	-	-	-	-	-	-
61	-GRAIN, (4)	4-11-445	74.8	2.77*	-	2.87*	2800.*	2.27*	-	2.36*
62			100.0	3.71*	-	3.84*	3743.*	3.04*	-	3.15*
63	ZEA MAYS. CORN, WHITE		-	-	-	-	-	-	-	-
64	-GRAIN, (4)	4-09-907	87.3	3.14*	-	3.35*	3275.*	2.58*	-	2.75*
65			100.0	3.60*	-	3.84*	3752.*	2.95*	-	3.14*
66	-GRITS BY-PRODUCT, MN 5% FAT, (4)	4-02-990	90.0	3.40*	-	3.34*	3347.*	2.79*	-	2.74*
67			100.0	3.78*	-	3.71*	3720.*	3.10*	-	3.04*
68	ZEA MAYS. CORN, YELLOW		-	-	-	-	-	-	-	-
69	-GRAIN, (4)	4-07-991	88.1	3.18*	-	3.38*	3302.*	2.61*	-	2.77*
70			100.0	3.61*	-	3.84*	3749.*	2.96*	-	3.15*
71	ZEA MAYS, GLYCINE MAX. CORN-SOYBEAN		-	-	-	-	-	-	-	-
72	-GLYCINE MAX, AERIAL PART, ENSILED, (3)	3-03-015	25.2	0.80*	-	0.72*	-	0.66*	-	0.59*
73			100.0	3.17*	-	2.87*	-	2.60*	-	2.35*
74	ZEA MAYS, INDENTATA. CORN, DENT WHITE		-	-	-	-	-	-	-	-
75	-INDENTATA DENT WHITE, GRAIN, (4)	4-02-928	87.5	-	-	-	-	-	-	-
76			100.0	-	-	-	-	-	-	-
77	ZEA MAYS, INDENTATA. CORN, DENT YELLOW		-	-	-	-	-	-	-	-

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein Coef. Var.	Protein(N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	3159.*	-	1.64*	1.10*	1.80*	70.*	-	75.*	75.*	-	8.5	18	28
02	3679.*	-	1.92*	1.28*	2.10*	82.*	-	87.*	87.*	-	9.9	-	-
03	2969.*	3412.	-	-	-	-	-	-	88.	-	9.0		2
04	3231.*	3713.	-	-	-	-	-	-	95.	-	9.8	-	-
05	3143.*	-	1.59*	1.06*	1.75*	69.*	-	75.*	74.*	-	8.2	8	7
06	3599.*	-	1.82*	1.21*	2.00*	79.*	-	86.*	85.*	-	9.4	-	-
07	3121.*	-	1.59*	1.06*	1.75*	69.*	-	75.*	74.*	-	8.4	16	8
08	3578.*	-	1.83*	1.22*	2.01*	79.*	-	86.*	85.*	-	9.6	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	3147.*	-	1.61*	1.07*	1.76*	69.*	-	75.*	74.*	-	8.2	10	4
12	3659.*	-	1.87*	1.25*	2.05*	80.*	-	87.*	86.*	-	9.5	-	-
13	3523.*	-	2.86*	1.61*	2.75*	99.*	-	88.*	83.*	-	11.8		1
14	3885.*	-	3.15*	1.77*	3.03*	109.*	-	97.*	92.*	-	13.0	-	-
15	2939▲*	-	-	-	-	-	-	78▲*	83▲*	-	8.1		2
16	3321▲*	-	-	-	-	-	-	89▲*	93▲*	-	9.2	-	-
17	3119.*	-	1.67*	1.11*	1.83*	71.*	-	76.*	74.*	-	8.6	4	7
18	3606.*	-	1.93*	1.29*	2.11*	82.*	-	87.*	85.*	-	10.0	-	-
19	3122.*	-	1.67*	1.11*	1.83*	71.*	-	76.*	74.*	-	8.6	4	10
20	3609.*	-	1.93*	1.29*	2.11*	82.*	-	87.*	85.*	-	10.0	-	-
21	3140.*	-	1.66*	1.11*	1.82*	71.*	-	75.*	74.*	-	8.8		2
22	3630.*	-	1.92*	1.29*	2.11*	82.*	-	87.*	86.*	-	10.2	-	-
23	3125.*	-	1.67*	1.12*	1.83*	71.*	-	76.*	74.*	-	8.8	3	8
24	3612.*	-	1.94*	1.29*	2.12*	82.*	-	87.*	85.*	-	10.1	-	-
25	3125.*	-	1.69*	1.12*	1.84*	71.*	-	76.*	74.*	-	9.1	2	8
26	3613.*	-	1.95*	1.30*	2.13*	83.*	-	87.*	85.*	-	10.6	-	-
27	3129.*	-	1.68*	1.12*	1.84*	71.*	-	76.*	74.*	-	9.2	4	8
28	3617.*	-	1.95*	1.30*	2.13*	83.*	-	87.*	85.*	-	10.6	-	-
29	3129.*	-	1.68*	1.12*	1.84*	71.*	-	76.*	74.*	-	9.2	3	8
30	3617.*	-	1.94*	1.30*	2.12*	82.*	-	87.*	85.*	-	10.6	-	-
31	3127.*	-	1.69*	1.13*	1.85*	72.*	-	75.*	74.*	-	9.4	4	6
32	3614.*	-	1.96*	1.31*	2.14*	83.*	-	87.*	85.*	-	10.8	-	-
33	3126.*	-	1.68*	1.12*	1.84*	71.*	-	76.*	74.*	-	9.0	3	7
34	3614.*	-	1.94*	1.30*	2.12*	82.*	-	87.*	85.*	-	10.4	-	-
35	3196.*	-	2.26*	1.41*	2.34*	86.	-	82.	76.*	-	10.9	4	14
36	3579.*	-	2.53*	1.58*	2.62*	97.	-	92.	85.*	-	12.2	-	-
37	-	1607▲	1.68*	1.12*	1.85*	73▲*	-	78▲	-	-	29.0	5	14
38	-	1719▲	1.79*	1.19*	1.97*	78▲*	-	83▲	-	-	29.8		-
39	-	2460▲	1.62*	1.07*	1.78*	71▲*	-	78▲	-	-	27.1	1	5
40	-	2652▲	1.74*	1.15*	1.92*	77▲*	-	84▲	-	-	29.2	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	2904▲	1.68*	1.12*	1.85*	73▲*	-	78▲*	-	-	26.7	6	7
44	-	3153▲	1.83*	1.22*	2.01*	79▲*	-	85▲*	-	-	29.0	-	-
45	-	-	0.12*	0.08*	0.13*	5.*	-	6.*	-	-	1.9		1
46	-	-	1.74*	1.15*	1.92*	76.*	-	92.*	-	-	27.2	-	-
47	-	-	-	-	-	-	-	105▲*	-	-	14.9		2
48	-	-	-	-	-	-	-	119▲*	-	-	16.8	-	-
49	-	-	1.81*	1.21*	1.97*	76.*	-	84.*	-	-	19.7		2
50	-	-	2.02*	1.34*	2.20*	85.*	-	94.*	-	-	22.0	-	-
51	-	1658▲	1.79*	1.19*	1.95*	75▲	-	75▲*	-	-	24.7	8	10
52	-	1837▲	1.98*	1.32*	2.16*	83▲	-	83▲*	-	-	27.4	-	-
53	-	-	0.89*	0.56*	0.92*	34.*	-	33.*	-	-	13.0		1
54	-	-	2.47*	1.56*	2.57*	95.*	-	92.*	-	-	36.2	-	-
55	-	2410▲	1.69*	1.12*	1.84*	71▲*	-	79▲*	-	-	29.9	38	13
56	-	2843▲	1.92*	1.33*	2.17*	84▲*	-	93▲*	-	-	35.2	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-
58	3143.*	-	1.62*	1.08*	1.78*	70.*	-	77.*	74.*	-	6.8		3
59	3568.*	-	1.84*	1.22*	2.02*	79.*	-	87.*	84.*	-	7.8	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-
61	2688.*	-	1.50*	1.00*	1.63*	63.*	-	65.*	63.*	-	7.7		1
62	3593.*	-	2.00*	1.33*	2.18*	84.*	-	87.*	85.*	-	10.3	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-
64	3144.*	-	1.67*	1.12*	1.83*	71.*	-	76.*	74.*	-	8.8	13	6
65	3602.*	-	1.92*	1.28*	2.10*	82.*	-	87.*	85.*	-	10.1	-	-
66	3213▲*	-	1.86*	1.23*	2.01*	77▲*	-	76▲*	76▲*	-	10.5	4	7
67	3571▲*	-	2.06*	1.37*	2.24*	86▲*	-	84▲*	84▲*	-	11.7	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-	-
69	3170▲*	3424▲	1.69*	1.13*	1.85*	72▲*	-	77▲*	75▲*	-	9.0	16	18
70	3599▲*	3887▲	1.92*	1.29*	2.11*	82▲*	-	87▲*	85▲*	-	10.2	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	-	0.40*	0.26*	0.44*	18▲	-	16▲*	-	-	2.4		3
73	-	-	1.60*	1.03*	1.76*	72▲	-	65▲*	-	-	9.7	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	4.4*	5.4*	5.4*	-	-	2.1	13	13	1.7	0.02		7
02	5.1*	6.3*	6.3*	-	-	2.5	-	-	2.0	0.02	-	-
03	4.6*	5.7*	5.7*	8.6	-	0.5		2	1.1	-	-	-
04	5.0*	6.2*	6.2*	9.3	-	0.5	-	-	1.2	-	-	-
05	4.1*	5.1*	5.1*	-	-	3.2	86	7	3.4	0.03		3
06	4.7*	5.9*	5.9*	-	-	3.6	-	-	3.9	0.04	-	-
07	4.2*	5.2*	5.2*	-	-	2.1	43	8	4.1	0.03		1
08	4.8*	6.0*	6.0*	-	-	2.4	-	-	4.7	0.03	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	4.1*	5.1*	5.1*	-	-	2.1	15	4	1.9	0.02		2
12	4.7*	5.9*	5.9*	-	-	2.4	-	-	2.2	0.02	-	-
13	7.2*	8.3*	8.3*	-	-	5.0		1	13.9	-	-	-
14	8.0*	9.2*	9.2*	-	-	5.5	-	-	15.3	-	-	-
15	4.0*	5.0*	5.0*	6.2	-	1.2		1	2.3	-	-	-
16	4.5*	5.7*	5.7*	7.0	-	1.3	-	-	2.6	-	-	-
17	4.5*	5.5*	5.5*	-	-	1.8	8	7	4.1	0.05		1
18	5.2*	6.4*	6.4*	-	-	2.1	-	-	4.7	0.06	-	-
19	4.5*	5.5*	5.5*	-	-	1.8	6	10	3.9	0.05		1
20	5.2*	6.4*	6.4*	-	-	2.1	-	-	4.6	0.06	-	-
21	4.6*	5.7*	5.7*	-	-	1.8		2	3.2	0.05		1
22	5.4*	6.6*	6.6*	-	-	2.1	-	-	3.7	0.06	-	-
23	4.6*	5.6*	5.6*	-	-	1.7	4	8	3.9	0.05		1
24	5.3*	6.5*	6.5*	-	-	2.0	-	-	4.5	0.06	-	-
25	4.9*	6.0*	6.0*	-	-	1.8	11	8	4.0	-	-	-
26	5.7*	6.9*	6.9*	-	-	2.1	-	-	4.7	-	-	-
27	5.0*	6.0*	6.0*	-	-	1.8	12	8	3.8	-	-	-
28	5.8*	7.0*	7.0*	-	-	2.0	-	-	4.4	-	-	-
29	5.0*	6.0*	6.0*	-	-	1.8	7	8	3.8	-	-	-
30	5.7*	6.9*	6.9*	-	-	2.1	-	-	4.4	-	-	-
31	5.2*	6.2*	6.2*	-	-	1.8	12	6	4.1	-	-	-
32	6.0*	7.2*	7.2*	-	-	2.1	-	-	4.7	-	-	-
33	4.8*	5.9*	5.9*	-	-	1.8	11	7	3.9	-	-	-
34	5.6*	6.8*	6.8*	-	-	2.1	-	-	4.5	-	-	-
35	7.3	7.5*	7.4	-	-	5.0	14	14	7.6	0.05		2
36	8.2	8.4*	8.2	-	-	5.6	-	-	8.5	0.06	-	-
37	-	-	20.3	-	-	11.0	14	14	9.3	0.10		3
38	-	-	21.6	-	-	11.7	-	-	9.9	0.10	-	-
39	-	-	13.3	-	-	9.1	22	5	10.4	0.19	26	4
40	-	-	14.3	-	-	9.8	-	-	11.2	0.21	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	21.1	-	-	6.1	40	7	8.0	0.24	55	5
44	-	-	22.9	-	-	6.6	-	-	8.7	0.26	-	-
45	-	-	-	-	-	0.7		1	0.7	-	-	-
46	-	-	-	-	-	10.1	-	-	10.7	-	-	-
47	-	-	-	-	-	4.4		2	27.6	-	-	-
48	-	-	-	-	-	5.0	-	-	31.3	-	-	-
49	-	-	17.0	-	-	6.5		2	7.0	-	-	-
50	-	-	18.9	-	-	7.2	-	-	7.8	-	-	-
51	21.2	-	-	-	-	9.4	54	9	2.8	0.27	72	6
52	23.5	-	-	-	-	10.4	-	-	3.1	0.30	-	-
53	-	-	-	-	-	2.6		1	1.2	0.13		1
54	-	-	-	-	-	7.2	-	-	3.3	0.36	-	-
55	-	-	25.4	-	-	5.5	46	13	6.7	0.26	36	9
56	-	-	29.9	-	-	6.4	-	-	8.0	0.31	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-
58	2.8*	3.8*	3.8*	-	-	1.8		3	4.4	-	-	-
59	3.1*	4.3*	4.3*	-	-	2.0	-	-	5.0	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-
61	4.1*	5.0*	5.0*	-	-	2.2		1	4.8	-	-	-
62	5.5*	6.7*	6.7*	-	-	2.9	-	-	6.4	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-
64	4.6*	5.7*	5.7*	-	-	2.1	48	6	4.2	0.01		2
65	5.3*	6.5*	6.5*	-	-	2.4	-	-	4.8	0.02	-	-
66	6.1*	7.2*	7.2*	-	-	5.1	7	7	8.2	0.02		1
67	6.8*	8.0*	8.0*	-	-	5.7	-	-	9.1	0.02	-	-
68	-	-	-	-	-	-	-	-	-	-	-	-
69	4.7*	5.8*	5.8*	-	-	1.9	30	18	4.4	0.01	75	9
70	5.4*	6.6*	6.6*	-	-	2.2	-	-	5.0	0.01	-	-
71	-	-	-	-	-	-	-	-	-	-	-	-
72	1.5	1.3*	1.3*	-	-	6.6		3	0.9	0.21		2
73	6.0	5.0*	5.0*	-	-	26.3	-	-	3.5	0.83	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-	-	-	0.03		1
76	-	-	-	-	-	-	-	-	-	0.04	-	-
77	-	-	-	-	-	-	-	-	-	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	0.10	0.26	25	8	0.22	-	-	-	-	-	-	-	-	-	0.18	0.22	0.13	0.41
02	0.11	0.30	-	-	0.25	-	-	-	-	-	-	-	-	-	0.21	0.26	0.15	0.48
03	-	0.10		1	-	-	0.4	427a	8.7	0.4	-	15.6	-	-	0.10	0.29	0.10	0.07
04	-	0.11	-	-	-	-	0.4	464a	9.5	0.5	-	16.9	-	-	0.11	0.32	0.11	0.07
05	0.16	0.29		3	0.21	-	-	-	20.3	-	-	-	-	-	-	0.24	0.16	-
06	0.18	0.33	-	-	0.24	-	-	-	23.2	-	-	-	-	-	-	0.27	0.18	-
07	-	0.20		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	0.43	0.27		2	0.21	-	-	-	-	-	-	-	-	-	-	0.22	0.18	-
12	0.50	0.31	-	-	0.24	-	-	-	-	-	-	-	-	-	-	0.25	0.20	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	0.21		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	0.23		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	0.21		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	0.25		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	0.23	0.54		2	0.63	0.03	-	-	50.4	7.4	-	2.0	-	-	-	0.40	0.10	0.10
36	0.26	0.61	-	-	0.71	0.03	-	-	56.5	8.3	-	2.2	-	-	-	0.44	0.11	0.11
37	0.07	0.41		3	0.17	0.43	-	1164a	32.0	12.7	-	5.9	-	-	0.39	0.87	0.43	0.21
38	0.07	0.43	-	-	0.18	0.46	-	1238a	34.0	13.5	-	6.3	-	-	0.42	0.92	0.46	0.22
39	0.25	0.79	23	4	0.66	0.30	-	2735a	72.2	15.8	-	10.2	-	-	0.36	0.75	0.50	0.17
40	0.27	0.85	-	-	0.71	0.32	-	2948a	77.9	17.0	-	11.0	-	-	0.39	0.81	0.54	0.18
41		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	0.64	1.11	31	5	1.72	0.37	-	4790a	114.6	24.6	-	24.3	-	-	0.50	0.89	0.56	0.21
44	0.69	1.20	-	-	1.87	0.40	-	5201a	124.4	26.7	-	26.4	-	-	0.55	0.97	0.61	0.23
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	0.43	0.69	17	6	0.57	0.22	-	1510a	71.6	12.1	-	5.5	-	-	0.20	0.77	0.33	0.19
52	0.48	0.76	-	-	0.63	0.24	-	1672a	79.3	13.4	-	6.0	-	-	0.22	0.85	0.36	0.21
53	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	0.05	0.80	33	9	0.02	-	-	307a	18.4	9.2	-	1.4	-	-	0.59	0.76	0.98	0.20
56	0.06	0.94	-	-	0.03	-	-	362a	21.7	10.8	-	1.7	-	-	0.69	0.89	1.16	0.23
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	0.25		1	-	-	-	-	14.7	-	-	706.4	-	-	-	-	-	-
59	-	0.29	-	-	-	-	-	-	16.7	-	-	801.8	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	-	0.29		3	-	-	-	-	19.0	-	-	593.2	-	-	-	-	-	-
65	-	0.33	-	-	-	-	-	-	21.7	-	-	679.5	-	-	-	-	-	-
66	-	0.58		1	-	-	-	-	46.4	7.3	-	2.2	-	-	-	0.40	0.10	0.10
67	-	0.65	-	-	-	-	-	-	51.6	8.1	-	2.5	-	-	-	0.45	0.11	0.11
68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	0.09	0.27	34	9	-	-	-	442a	17.5	5.3	-	051.4	-	-	0.04	0.10	0.07	0.02
70	0.10	0.30	-	-	-	-	-	502a	19.9	6.0	-	193.7	-	-	0.04	0.11	0.08	0.02
71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	-	0.09		2	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-
73	-	0.36	-	-	1.11	-	-	-	-	-	-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	-	0.26		1	-	-	-	-	6.8	1.8	-	0.6	-	-	0.09	0.26	0.09	0.09
76	-	0.30	-	-	-	-	-	-	7.8	2.0	-	0.7	-	-	0.10	0.30	0.10	0.10
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Line No.	GENUS SPECIES COMMON NAME International Name Other Names	Reference No.	Dry Matter	DE Cattle	DE Horse	DE Sheep	DE Swine	ME Cattle	ME Horse	ME Sheep
			%	Mcal/kg	Mcal/kg	Mcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg
01	-INDENTATA DENT YELLOW, GRAIN, (4)	4-02-935	86.4	-	-	-	-	-	-	-
02			100.0	-	-	-	-	-	-	-
03	-INDENTATA DENT YELLOW, GRAIN, GR 4	4-02-933	84.3	3.04*	-	3.23*	3175▲*	2.50*	-	2.65*
04	US MN WT 49 LB PER BUSHEL, (4)		100.0	3.61*	-	3.84*	3767▲*	2.96*	-	3.14*
05	-INDENTATA DENT YELLOW, GRAIN, GR 3	4-02-932	86.0	3.10*	-	3.30*	3238▲*	2.54*	-	2.71*
06	US MN WT 52 LB PER BUSHEL, (4)		100.0	3.61*	-	3.84*	3766▲*	2.96*	-	3.15*
07	-INDENTATA DENT YELLOW, GRAIN, GR 5	4-02-934	78.5	2.83*	-	3.01*	2958▲*	2.32*	-	2.47*
08	US MN WT 46 LB PER BUSHEL, (4)		100.0	3.61*	-	3.84*	3768▲*	2.96*	-	3.15*
09	-INDENTATA DENT YELLOW, GRAIN, GR 2	4-02-931	88.6	-	-	-	-	-	-	-
10	US MN WT 54 LB PER BUSHEL, (4)		100.0	-	-	-	-	-	-	-
11	-INDENTATA DENT YELLOW, GRAIN, GR 1	4-02-930	85.8	-	-	-	-	-	-	-
12	US MN WT 56 LB PER BUSHEL, (4)		100.0	-	-	-	-	-	-	-
13	ZEA MAYS, INDURATA. CORN, FLINT		-	-	-	-	-	-	-	-
14			100.0	3.85*	-	4.15*	3810▲*	3.15*	-	3.41*

Line No.	ME Swine	ME Chicken	NE_m Cattle	NE_{gain} Cattle	NE Lactating Cows	TDN Cattle	TDN Horse	TDN Sheep	TDN Swine	In Vitro Dry Matter	Protein (N×6.25)	Protein (N×6.25) Coef. Var.	Protein (N×6.25) No. Obs.
	kcal/kg	kcal/kg	Mcal/kg	Mcal/kg	Mcal/kg	%	%	%	%	%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	3048▲*	-	1.62*	1.08*	1.77*	69▲*	-	73▲*	72▲*	-	8.6		1
04	3616▲*	-	1.92*	1.28*	2.10*	82▲*	-	87▲*	85▲*	-	10.2	-	-
05	3109▲*	-	1.65*	1.10*	1.81*	70▲*	-	75▲*	73▲*	-	8.7		1
06	3615▲*	-	1.92*	1.28*	2.10*	82▲*	-	87▲*	85▲*	-	10.1	-	-
07	2839▲*	-	1.51*	1.00*	1.65*	64▲*	-	68▲*	67▲*	-	7.9		1
08	3617▲*	-	1.92*	1.28*	2.10*	82▲*	-	87▲*	85▲*	-	10.1	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-
14	3657▲*	-	2.12*	1.40*	2.29*	87▲*	-	94▲*	86▲*	-	13.5	-	-

Line No.	Dig Protein Cattle	Dig Protein Horse	Dig Protein Sheep	Dig Protein Swine	Cell Walls (Van Soest)	Crude Fiber	Crude Fiber Coef. Var.	Crude Fiber No. Obs.	Fat	Calcium	Calcium Coef. Var.	Calcium No. Obs.
	%	%	%	%	%	%			%	%		
01	-	-	-	-	-	-	-	-	-	-	-	-
02	-	-	-	-	-	-	-	-	-	-	-	-
03	4.5*	5.5*	5.5*	-	-	2.1		1	3.6	0.04		1
04	5.4*	6.6*	6.4*	-	-	2.5	-	-	4.3	0.05	-	-
05	4.6*	5.6*	5.6*	-	-	2.1		1	3.7	0.02		1
06	5.3*	6.5*	6.5*	-	-	2.4	-	-	4.3	0.02	-	-
07	4.2*	5.1*	5.1*	-	-	1.9		1	3.3	-	-	-
08	5.3*	6.5*	6.5*	-	-	2.4	-	-	4.2	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-
14	8.4*	9.6*	9.6*	-	-	2.0	-	-	4.9	-	-	-

Tables of Feed Composition – Continued

Line No.	Magnesium	Phosphorus	Phosphorus Coef. Var.	Phosphorus No. Obs.	Potassium	Sulfur	α tocopherol	Choline	Niacin	Pantothenic acid	Carotene	Riboflavin	Vitamin B_{12}	Vitamin K	Cystine	Lysine	Methionine	Tryptophan
	%	%			%	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	mg/kg	%	%	%	%
01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	0.17	0.17	0.09
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	0.20	0.20	0.10
03	0.17	0.29		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	0.20	0.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	0.25		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	0.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	11.9	1.8	-	0.6	-	-	0.09	-	0.09	0.09
10	-	-	-	-	-	-	-	-	13.4	2.0	-	0.7	-	-	0.10	-	0.10	0.10
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	0.31	-	-	0.36	-	-	-	8.1	-	-	-	-	-	-	0.30	0.20	0.10

Source Form for Composition of Feeds (Please print)

Card 1

Project No. Experiment No. Leader 12 17

Laboratory name 22

Address

Do not write in shaded areas.

Laboratory director

Laboratory sample No. 24

For Code

Origin and Name of Sample

Date originally collected Month Day Year 30

Country 36

Region Altitude (meters) 39 42

State, province or department 46

County or district 48

Literature reference 51

Class: Dry forage (cut and cured) | Pasture (including range plants) | Cut and fed green | Silage

Scientific name: Genus

Species

Variety or kind

Common name of feed

Reference No. 58

Part of plant, animal or feed product

Process undergone before fed to animal

Stage of maturity

Cutting or crop Height when cut (centimeters) 65

Official grade or No.

Fertilizer: kg per hectare N P K 68 70 72

Days between last application and harvest 74

Purity % Chief contaminant

Soil classification: Field classification 77

Surface texture 80

Digestibility Trial

Card 2

Animal: Kind 12 13

Breed Sex 15 18

19

Age: Years Months Weeks 21

Number of animals in treatment 26

Total number of determinations per feed per animal period No. 28 29

Average weight of animals, kg or g 30

Physiological state: non-pregnant | pregnant 1st 2/3 | pregnant last 1/3 36

losing wt | maintaining wt | gaining wt | fattening 37

lactating | laying eggs | working 38

very thin | thin | thrifty | fat | very fat 39

Percent of test ingredient in ration fed (100.0% dry matter) 40

Ad Libitum feeding | Controlled feeding 42

Feed fed alone | Feed not fed alone, digestion by difference 43

Method: Total feces collection | feces indicator 44

Physical form of feed 45

Basis for calculating level of feeding: NE | ME | DE | TDN 48

Length of trial: Preliminary days | Collection days 49 51

Daily dry matter consumed g kg 53

Daily dry matter offered g kg 59

Daily orts or weighback g kg 65

Temperature: Degrees C (indicate if negative) 71

Pressure: millimeters 74

Humidity: percent 78

Check analyses wanted

Harris, Lorin E. 1970. Nutrition Domestic and Wild Animals. P 1408 Highland Drive, Logan, U Copyright © 1970 Lorin

Card 3

Dry Matter

		Dry Matter %	Method of analyses by another method
Dry matter of sample on "as fed" basis	101		Above 105° C or

Dry Matter Basis on Which Analytical Data are

Basis	Check one only		Fill in one only %
As fed		102	
Partially dry		103	
Dry (100.0% dry matter)		104	

NOTE: All an must be expres dry(100.0% d is partly on an for each basis

Method of analy by another meth

Proximate Principles		%	
Ash	105		Assoc. Official A
Crude fiber	106		Weende
Ether extract	107		Assoc. Official A
Nitrogen-free extract	108		By difference
Protein	109		Kjeldahl
Nitrogen	212		do
Nitrogen factor	213		Write in factor to

Organic Matter, etc.		%	
Organic matter	110		By difference (total
Cell contents	328		Van Soest J. Anim
Cell walls (neutral detergent fiber)	329		Van Soest J. Assoc Chem. 50:50, 1
Cellulose	323		Crampton J. Nutri
Cellulose	314		Matrone J. Anim
Cellulose	330		Van Soest J. Asso Chem. 51:780.
Fiber, acid detergent	273		Van Soest J. Asso Chem. 46:829.
Lignin	211		Ellis J. Animal Sc
Lignin, acid detergent	270		Van Soest J. Asso Chem. 46:829.
Lignin, $KMnO_4$	280		Van Soest J. Asso Chem. 51:780.
In vitro dry matter digestion coeff.	916		Tilley and Terry J. 18:104. 1963
Per cent rumen digestion (nylon bag)	930		48 hours

Energy		kcal per kg	
Gross energy	421		Bomb calorimeter
Digestible	422		Harris Natl. Acad Council pub. 1
Metabolizable	423		do
N-equilibrium metabolizable	424		do
NE_m	426		Lofgreen J. Anim
NE_{gain}	427		do
$NE_{lactating\ cows}$	430		Moe J. Dairy Sc

		%	
TDN	429		Biological

Minerals		%	Check meth
Calcium	530		Chemical ☐ Atom
Iron	532		Chemical ☐ Atom
Magnesium	533		Chemical ☐ Atom
Phosphorus	534		Chemical ☐
Potassium	535		Chemical ☐ Atom
Sulfur	537		Chemical ☐

Other Analyses and Other Digestion Coefficie

Code leave blank	Specify decimal, Unit, Kind and Method of Analy
	Example: 11.6% Starch USA Assoc. Official

Mail duplicate to: Center for Tropical Agriculture Feed Composition Project % Livestock Pavilion University of Florida Gainesville, Florida 32601 USA

Read instructions before filling in form.

2/70

A

62 E

Harris, Lorin E. 1970. Nutrition Research Techniques for Domestic and Wild Animals. Published by L. E. Harris, 1408 Highland Drive, Logan, Utah, USA, 84321
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Card 3

Source form No. **70 Nº 067514**

Check analyses wanted

Dry Matter

		Dry Matter %	Method of analyses; if analysis was done by another method put under other analyses.	Digestion coeff. %
Dry matter of sample on "as fed" basis	101		Above 105° C or in vacuum	

Dry Matter Basis on Which Analytical Data are Reported on This Form

Basis	Check one only		Fill in one only %
As fed		102	
Partially dry		103	
Dry (100.0% dry matter)		104	

NOTE: All analytical data on this sheet, except dry matter, must be expressed as indicated i.e.: as fed, partially dry, dry(100.0% dry matter). Where analytical data for one feed is partly on one basis and partly on another, use separate sheet for each basis or convert to same basis.

Proximate Principles

		%	Method of analyses; if analysis was done by another method put under other analyses.	Digestion coeff. %
Ash	105		Assoc. Official Agr. Chem. 1960	
Crude fiber	106		Weende	
Ether extract	107		Assoc. Official Agr. Chem. 1960	
Nitrogen-free extract	108		By difference	
Protein	109		Kjeldahl	
Nitrogen	212		do	
Nitrogen factor	213		Write in factor to convert to protein	

Organic Matter, etc.

		%		
Organic matter	110		By difference (total minus ash)	
Cell contents	328		Van Soest J. Animal Sci. 26:119-128. 1967	
Cell walls (neutral detergent fiber)	329		Van Soest J. Assoc. Official Anal. Chem. 50:50. 1967	
Cellulose	323		Crampton J. Nutrition 15:383. 1938	
Cellulose	314		Matrone J. Animal Sci. 5:306. 1946	
Cellulose	330		Van Soest J. Assoc. Official Anal. Chem. 51:780. 1968	
Fiber, acid detergent	273		Van Soest J. Assoc. Official Agr. Chem. 46:829. 1963	
Lignin	211		Ellis J. Animal Sci. 5:285. 1946	
Lignin, acid detergent	270		Van Soest J. Assoc. Official Agr. Chem. 46:829. 1963	
Lignin, $KMnO_4$	280		Van Soest J. Assoc. Official Anal. Chem. 51:780. 1968	
In vitro dry matter digestion coeff.	916		Tilley and Terry J. British Grassl. Soc. 18:104. 1963	
Per cent rumen digestion (nylon bag)	930		48 hours	

Energy

		kcal per kg		
Gross energy	421		Bomb calorimeter	
Digestible	422		Harris Natl. Acad. Sci. Natl. Res. Council pub. 1411. 1966	
Metabolizable	423		do	
N-equilibrium metabolizable	424		do	
NE_m	426		Lofgreen J. Animal Sci. 27:793. 1968	
NE_{gain}	427		do	
$NE_{lactating\ cows}$	430		Moe J. Dairy Sci. 52:928	
		%		
TDN	429		Biological	

Minerals

		%	Check method of analysis	
Calcium	530		Chemical ☐ Atomic ☐ Spectrographic ☐	
Iron	532		Chemical ☐ Atomic ☐ Spectrographic ☐	
Magnesium	533		Chemical ☐ Atomic ☐ Spectrographic ☐	
Phosphorus	534		Chemical ☐	
Potassium	535		Chemical ☐ Atomic ☐ Spectrographic ☐	
Sulfur	537		Chemical ☐	

Other Analyses and Other Digestion Coefficients †

Code leave blank	Specify decimal, Unit, Kind and Method of Analyses. Use two lines if necessary.		Digestion coef. %
	Example: 11.6% Starch USA Assoc. Official Agr. Chem. 1960		

Minerals

		milligram per kg	Check method of analysis
Cobalt	538		Chemical ☐ Spectrographic ☐
Copper	539		Chemical ☐ Atomic ☐ Spectrographic ☐
Fluorine	540		Chemical ☐
Iodine	541		Chemical ☐ Atomic ☐ Spectrographic ☐
Manganese	542		Chemical ☐ Atomic ☐
Molybdenum	543		Chemical ☐ Atomic ☐ Spectrographic ☐
Selenium	544		Chemical ☐ Atomic ☐ Spectrographic ☐
Zinc	545		Chemical ☐ Atomic ☐ Spectrographic ☐

Vitamins

		milligram per kg	Method of analyses; if analysis was done by another method put under other analyses.
Carotene	647		Assoc. Official Agr. Chem. 1960
Choline	648		Microbiological
Folic Acid	649		do
Niacin	650		do
Pantothenic acid	651		do
Riboflavin	652		do
Thiamine	653		do
α-tocopherol	654		Chemical
Vitamin B_6	655		Microbiological
		IU per g	
Vitamin A	659		Chemical
Vitamin D_2 and/or D_3	660		Biological (rats)
		ICU per g	
Vitamin D_3	661		Biological (chicks)

Amino Acids

		%	Check method of analysis	
Alanine	763		Amino acid analyzer	Microbiological
Arginine	764		do	
Aspartic acid	765		do	
Citrulline	766		do	
Cystine	767		do	
Cysteine	768		do	
Glutamic acid	769		do	
Glycine	770		do	
Histidine	771		do	
Hydroxyproline	772		do	
Isoleucine	773		do	
Leucine	774		do	
Lycine	775		do	
Methionine	776		do	
Phenylalanine	777		do	
Proline	778		do	
Serine	779		do	
Threonine	780		do	
Tryptophan	781		do	
Tyrosine	782		do	
Valine	783		do	

Supplementary information about feeds such as: Give complete description of fertilizer used, i.e.: kind, rate and when applied; irrigation or non-irrigation, crop badly weathered, conditions of growth, harvesting and curing. Put on back of sheet if necessary.

† Record any additional analyses not on form such as boron, **weight per liter**, gain per day in kg, or lysine availability. See list entitled: Nutritionally Significant Chemical and Biological Data of a Feedstuff.