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A RATIONALE FOR NAMING FEEDS

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FOREWORD

The members of the American Society of Animal Science approved the use of the International Feed Names of the International Network of Feed Information Centers in the Journal of Animal Science at its business meeting in 1972.

Application of the International Feed Name and number (IFN) increases the accuracy of feed and nutritional information described in journal articles. The possibility of comparing results and drawing conclusions among similar experiments is improved. This, among other things, has increased the quality of the journal.

Feeds are known by many names throughout the world. The use of one International name for a feed will improve communication on a world-wide basis. It is suggested that other Scientific Societies adopt the International Feed Nomenclature.

R.A. Merkel
Editor-in-Chief
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SUMMARY FOR USE BY MEMBERS OF SCIENTIFIC SOCIETIES

This publication was written primarily for the members of scientific organizations engaged in publishing information about nutrient composition of feedstuffs.

When the American Society of Animal Science held its National Meeting at Virginia Polytechnic University in 1972, the members voted to use International Feed Names and International Feed Numbers that have been adopted by the International Network of Feed Information Centers (INFIC) in future publications of the Journal of Animal Science. It is hoped that other societies and organizations interested in publishing information about feeds will adopt a similar procedure.

For details on how to put International Feed Names and International Feed Numbers in the Journal of Animal Science, see the current style guide for contributors.

This publication provides a list of International Feed Names to be used in scientific communications and describes the method of composing International Feed Descriptions and International Feed Names for other feeds. This summary also illustrates procedures to simplify the citation of the International Feed Name and Number when feeds are specified in publications. By citing both the feed description and feed number, there can be no confusion or undetected error in identification of feeds.

International Feed Names and International Feed Numbers (IFN)

Each feedstuff referred to in the manuscript must be identified by the International Feed Name and IFN at least once in each manuscript submitted for publication. The first time a feed is

mentioned in the text (when there are no feed ingredient tables present) the International Feed Name and IFN should be put in the text, i.e., Clover, red, hay sun-cured, early bloom (IFN 1-01-400). Barley, grain (IFN 4-00-549). Soybean, seeds, meal solvent extracted (IFN 5-04-604).

Thereafter, a simplified name may be used, i.e., Clover, red, hay; Barley; and Soybean meal.

If the manuscript contains tables of feed ingredients or diet formulas then the International Feed Name and IFN must be listed in the first table as described below;

Ingredient	%
Barley, grain (IFN 4-00-549)	78.6
Clover, red, hay sun-cured early bloom (IFN 1-01-400)	18.0

If the feeds are used in other tables, a simplified name may be used with the IFN as follows:

Barley (IFN 4-00-549).
Clover, red, hay (IFN 1-01-400)

Also the simplified name may be used in the text after it is used in the first table.

The most important International Feed Names and IFN numbers are listed in this publication. Copies may be obtained from: The Utah Agricultural Experiment Station, Bulletin Room, Utah State University, UMC 49, Logan, Utah 84322.

Many different names are used in describing feedstuffs, but to establish a common basis for comparing nutritive values it is essential that the exact International Feed Name and IFN given in Table 6.2 of this bulletin or in the International Network of Feed Information Centers Publication 5 (Harris et al. 1980) be used. If a feed ingredient is not exactly described in this Bulletin or INFIC Publication 5, write to: Director, International Feedstuffs Institute, Utah State University, UMC 46, Logan, Utah 84322, and an International Feed Name and IFN will be provided.

In Table 6.2, the International Feed Name is listed on the right hand side. The common name is listed first followed by the scientific name. The full International Name is the common name and the material after the dash, i.e.,

Alfalfa. MEDICAGO SATIVA
- hay sun-cured

In this case, the name to put in the journal would be:

Alfalfa, hay sun-cured.

Other names are listed on the right side with an asterisk (*), a plus (+) or (AAFCO) after the name. Do not put these names in the manuscript. These names are listed for information only.

SUMMARY

The aim of the International Feedstuffs Institute at Utah State University is to accumulate, generate and document nutritional information for products that are used or may be used as animal feeds and to supply users with the available feed information upon request. As an essential prerequisite for organizing future input into a common database, agreement has been established by the International Network of Feed Information Centers (INFIC) on an international feed vocabulary for feed names, information coding, data structure and computer software. Efforts are being made to establish communications whereby feed composition information can be collected, documented and recalled between the International Feedstuffs Institute and donor or user organizations. Feed analysis laboratories are requested to obtain from the supplier a complete feed description for the samples they analyze so the material can be accurately identified. When the feed is properly identified, it is assigned an International Feed Number (IFN) and the analytical data are entered into the International Feed Databank.

The objectives of this publication are to explain the international feed vocabulary and the composition (coining) of International Feed Descriptions, International Feed Names and use of the International Feed Number.

It includes tables of feed names and glossaries of feed descriptors. Official United States feed names as well as other common country feed names are included.

It is recommended as a reference for students, teachers, scientists, consultants, feed analysts, and feed manufacturers. Its use can promote more direct

and accurate communications among all interested in animal feeds and feeding.

International Feed Descriptions are composed by combining descriptors from six Facets (to the extent information is available or applicable). The facets are:

- original material (plant, animal or other basic material)
- parts fed to animals as affected by process(es)
- processes and/or treatments to which the material has been subjected
- stage of maturity (plants and animals)
- cutting or crop (plants only)
- grade (quality designation)

As a convenience in formulating diets, feeds have been grouped into eight classes according to their chemical and physical characteristics. These are:

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

International Feed Names are shortened International Feed Descriptions that conform more closely with accepted terminology used in the marketplace. They are coined from International Feed Descriptions by leaving out descriptors or substituting common terms for descriptors in Facet 2 (parts) or modifying descriptors in Facet 3 (process). For example, in the International Feed Description--Clover, red, aerial part, fresh, early bloom--aerial part has been deleted and the International Feed Name is Clover, red, fresh, early bloom. Similarly--Soybean, seeds oil residue, solvent extracted ground--oil residue is deleted and meal is substituted for ground; therefore, the International Feed Name is Soybean, seeds, meal solvent extracted.

It is suggested that International Feed Names be adopted by regulatory agencies, feed manufacturers, researchers, extension services, scientific journals, teachers, county agents, consultants, government agencies and producers in all countries. These names should also be used in trade, in feed composition tables, and in advisory literature.

Each International Feed Name is assigned a five-digit International Feed Number (IFN) for its identification. These numbers are the link between the Names and chemical and biological data in the USA and World databanks. The numbers are particularly useful when identifying and recalling nutrient data from the databank for labeling ingredients in computer programs and for calculating diets for animals. The Feed Class Number is usually entered in front of the International Feed Number when feed tables are printed.

In most countries or regions, local feed names exist. Some of them are very common, others are defined in scientific papers, confirmed by government regulations or established by other organizations. Official names of the American Association of Feed Control Officials (AAFCO) and other country names are listed in relation to the International Feed Names.

1. INTRODUCTION

The International Feedstuffs Institute (IFI) was organized to (1) develop a system for describing and identifying materials used as animal feeds; (2) to accumulate, generate and record nutritional and biological information about these feeds; and (3) to make current feed nutrient information available to all users.

To accomplish this, the international feed vocabulary was developed to bring intelligent order into feed terminology and to describe materials used as animal feeds. Use of International Feed Names will promote a better understanding between buyers and sellers and improve communication among scientists, businessmen, and farmers.

The reasons for developing the international feed vocabulary are:

1. to identify feedstuffs with an international name that clearly defines the product being used
2. to correlate feed composition information, generated by analytical laboratories with specific feedstuffs
3. to facilitate national and international trade
4. to facilitate technical communication at the national and international level
5. to adapt international feed descriptions and information to a coding system compatible with computer programming.

It was determined that feeds could be accurately described by combining terms from six distinct facets. These are: original materials (origin), part, process, maturity, cut and grade. These

facets contain controller terms (descriptors) and there are specific regulations for their usage. The glossary of feed descriptors and definitions constitutes the International Feed Descriptions. Thus, the nomenclature can be expanded by different combinations of the existing descriptors, or by adding new descriptors as they are needed.

2. INTERNATIONAL SYSTEM FOR DESCRIBING AND NAMING FEEDS

Many of the by-products arising from the preparation of human food are suitable for animal feeds. As new technology develops for processing human foods, additional by-products are constantly being introduced. Unless well-defined guidelines are established for naming these products, confusion will reign. Many products used in animal feeds are changed by subjecting them to some form of mechanical and/or chemical process. These processes often alter the chemical composition with the intention of increasing the nutritive value of the feed and, thus, the efficiency of animal production. Also, however, these processes affect the task of precisely naming these materials.

The names of many commercial feeds are controlled by government regulations in countries such as the USA, Canada, and the European Economic Communities. These names sometimes include descriptions of processes used in their manufacture along with guarantees of quality. Such names, however, are usually common or trade names, and neither accurately describe the feed or identify the original material.

This publication introduces the International Feed Vocabulary and lists International Feed Descriptions, International Feed Names and Country Feed Names. The ideas for formulating an International Feed Vocabulary for feed names was first described by Harris and

Miller (1961); Harris (1963) and Harris et al. (1968). These ideas have been modified by Harris et al. (1980) and Kearl et al. (1980).

Using this nomenclature, over 18,000 feeds have been described. These names are being used in parts of Africa, North and South America, parts of Europe, the Middle East, Australia, and Southeast Asia.

2.1 The International Feed Description

The International Feed Vocabulary is designed to give a comprehensive name to each feed as precisely as possible. Descriptors are selected to specify qualities among feeds that relate to differences in nutritive value. Each feed name is coined by using descriptors from one or more of six facets:

- **Original material (origin)** – consisting of scientific name (genus, species, variety); common name (generic, breed or kind, strain); and chemical formula as appropriate.
- **Part** – fed to animals as affected by process(es)
- **Process(es) and treatment(s)** – to which the part has been subjected
- **Stage of maturity** – for plants and animals
- **Cutting** – (primarily applicable to forages)
- **Grade** – (official grades with guarantees)

A complete international feed description consists of all descriptors applicable to that feed. All descriptors in the International System together with definitions and how they are to be used are contained in the INFIC Feed Thesaurus (Haendler et al. in prep).

The Thesaurus exists in three different languages; English, French and German (other language versions are in preparation). This means that each descriptor has three different lingual equivalences, all representing the same concept. Great care was taken to obtain semantic equivalence even when homonymy or polysemy existed in a term in one of the languages. A description of each of the Facets follows.

Facet 1: Original Material (Origin)

Facet 1 has many options since an immense number of plants, animals, or other original materials such as minerals and chemicals can be used as feed.

For ease of use, the descriptors of this facet were split into two parts. One is the scientific name (Latin) of biological subjects (or an adequate quasi-scientific name in cases where no real scientific name exists); the other is a term commonly used in commerce to describe the material. Thus, the original material may be one of three types (descriptors are capitalized in examples):

- **plants:**

CLOVER, WHITE, (TRIFOLIUM PRATENSE), SOYBEAN (GLYCINE MAX), COCCNUT (COCOS NUCIFERA)

(CEREALS, GRASS, MEADOW PLANTS)

- **animals:**

CATTLE, (BOS TAURUS)
CHICKENS (GALLUS DOMESTICUS), SWINE (SUS SCROFA)

- **minerals:** chemical products and others (without scientific name)

The scientific name (Latin) has three elements:

- genus
- species
- variety or cultivar

Usually, common terms follow the same principle. Thus, the preferred terms have three elements:

- generic or common name
- breed or kind
- strain or chemical formula

Original material of a feed can contain more than one kind of plant. This system provides a means to record up to four different kinds of plants. If there are more, see Section 2.4.

Minerals, drugs and chemicals are listed according to the nomenclature of the International Union of Pure and Applied Chemistry (Chemical Rubber Publishing Company, 1977). The chemical formulae are designated where applicable.

Table 2.1 gives examples of Facet 1 with and without scientific names. **It should be noted that the original materials are of four types: plant, animal, poultry and fish. For a feed derived from a plant, the origin term is the name of the plant (e.g., ALFALFA, BARLEY, CATS). For a feed derived from animals or poultry, the origin term is the name of the animal or bird (e.g., CATTLE, CHICKEN, WHALE). All animal products are listed by the name of the animal i.e., Cattle, milk or Chicken, eggs, and not under milk or eggs. For a feed of fish origin, the origin term is FISH followed by the species or variety (e.g., Fish, cod; Fish, menhaden).**

When the specific origin of a feed derived from animals is not known, the origin term is ANIMAL i.e., Animal, blood, meal not Blood meal. When the specific origin of a feed derived from poultry or fish is not known, the origin term is POULTRY or FISH. Fats and oils are listed under the name of the plant or animal i.e., Soybean, oil or Cattle, fat. Molasses is listed under the name of the plant i.e., Beet, sugar, molasses. For suggestions on handling feeds with more than one origin, see Section 5.

Facet 2: Parts of the Material Used as Feed as Affected by Process(es)

This facet of the feed description represents the actual part of the parent material fed. In the past, the edible parts of plants and animals were obvious such as leaves, stems, seeds, meat trimmings or bones. Today, due to the extensive fractionation of plant seeds and the reconstitution of many of the parts into new processed foods, many by-products are available for animal feeding. There are also by-products from the preparation of meat and fish for human consumption.

Each part has to be described precisely by a descriptor, the use of which is clearly defined. Examples of definitions are:

- **BRAN:** The pericarp of cereal grains.
- **COB:** The fibrous inner portion of the ear of maize (corn) from which the kernels have been removed.
- **GERM:** The embryo found in seeds and frequently separated from the starch endosperm during milling.

Consistent rules have been set up. For example, all legumes have pods with seeds. Therefore, the correct terminology for peanuts is Peanut, pods, not

hulls or shells; Peanut seeds not kernels.

Examples of feed names with parts (Facet 2) are given in Table 2.1.

Facet 3: Process(es) and Treatment(s)

Many processes are used in preparing animal feeds, some of which may significantly alter their nutritional value. Heat may damage some nutrients and conversely, it may make other nutrients more available.

Pelleting increases consumption while grinding may affect digestibility of protein and carbohydrates. Also, such treatments alter the proportions of the lower fatty acids produced by rumen microflora of lactating cows, thus decreasing the concentration of fat in the milk.

It is important, then, that a feeder of animals be aware of the processes to which a feed has been subjected, whether intended to preserve, purify, concentrate or improve nutritive value; or as uncontrollable factors that reduce nutritive value. Therefore, origin and part terms are followed by those distinguishing the different methods of altering such as preservation processes, separating, reducing particle size or thermal treatments.

Examples of definitions are:

- **DRY-RENDERED.** Residues of animal tissues cooked in open steamjacketed vessels until the water has evaporated; fat removed by draining and processing the solid residue.
- **FRESH.** Recently produced or gathered; not stored, cured, or preserved.
- **HYDROLYZED.** Subjected to hydrolysis, a process by which complex molecules (e.g. those in proteins) are split into simpler units by chemical reaction with water

molecules. (The reaction may be produced by an enzyme, catalyst, acid, or by heat and pressure.)

- **MECHANICAL EXTRACTED.** Extracted by heat and mechanical pressure. Refers to removal of fat or oil from the seeds. Synonyms: expeller extracted, hydraulically extracted, old process.

The following examples show how some of the descriptors for removing fat are used: Fish meal is the Country Name for identifying this product. Meal may be defined as "an ingredient that has been ground or reduced in particle size." The name fish meal would indicate that it is ground fish. However, the fat and some of the water has been removed. Therefore, the International Name is Fish, meal mechanical extracted. Another descriptor for fat extraction is rendered. It is defined as "residues of animal tissues cooked in open steam-jacketed vessels until the water has evaporated. Fat is removed by draining and pressing the solid residue." This descriptor is used with animal products. For example, for Meat, meal, the International Name is Animal, meat, meal rendered.

Examples of feed names with processes (Facet 3) are given in Table 2.1.

Facet 4: Stage of Maturity for Plants and Animals

Stage of maturity is important in influencing the nutritive value of forages, silages, and some animal products. Beyond optimal stage of maturity for each forage crop its chemical composition, ratio of leaf to stem, or proportion of fruit, seeds or grain greatly influences its nutritive value. When plants bloom intermittently, the stage of growth is described by referring to the length of time the plant has been growing. In some cases the stage of development of an animal is extremely important, for example, the nutritive value of day-old chicks

differs drastically from that of aged laying hens.

Examples of feed names with stage of maturity (Facet 4) are given in Table 2.1.

In temperate zones, a straightforward method of measuring plant growth has been established. The criteria are various visual characteristics that are relatively easy to distinguish. It is more difficult to identify various stages of growth in plants that do not bloom or bloom intermittently as is often the case in the tropics. Changes in the chemical composition and palatability of such plants, however, are different than those noted in plants grown in temperate environments (Van Soest et al. 1978). Due to the difficulty associated with identifying stages of maturity in plants that bloom intermittently, the length of time the plant has been growing (based on a 14-day harvesting interval) is the "stage of maturity". Examples are: 1 to 14 days' growth, 15 to 28 days' growth, etc.

Facet 5: Cutting

Many forage crops are cut and harvested several times during a year. At each cutting, the plants have a unique nutrient content as well as characteristic physical properties. The description for cutting refers to the sequence of cutting from the first to the last during a year (cut 1, cut 2, etc.). Since the maturity terms refer to stage of growth or of regrowth, they must be considered within the limits of a cutting.

In tropical and subtropical areas, crops may be cut throughout the year, particularly if they are irrigated. The time to start counting cuttings for non-irrigated forages would be after the first rainy season. For irrigated forages, the count should start from the first crop of the year.

Since stage of maturity is more important than cutting date, the various cuts for forages are sometimes combined with the stage of maturity when data are summarized for feed composition tables.

Examples of feed names with cuttings (Facet 5) are given in Table 2.1.

Facet 6: Grade

Some commercial feeds and feed ingredients are given official grades on the basis of their composition and other quality characteristics. Such feeds are sold on a quality description basis in accordance with their official gradings. Thus, these grades and quality designations must be included as a definitive component in the description of the feed. The sixth facet makes available the necessary descriptors, which often use terms such as "more than" (minimum), "less than" (maximum), or "from - to" in reference to designated contents of certain feed components. Grades should generally not be used unless they are used in the trade. Examples of descriptors of this facet are given in Table 2.1.

2.2 Classes of Feeds by Physical and Chemical Characteristics and Usage

Feeds are grouped into eight classes on the basis of their physical and chemical characteristics and the way they are used in formulating diets (Table 2.2).

Such classes, of necessity, are arbitrary and in borderline cases the feed is assigned to a class according to its most common use. For instance, some bran samples may contain over 18 percent fiber and more than 20 percent protein and yet they are classed as energy feeds because they are commonly used in this way.

2.3 The International Feed Number

Each new International Feed Description is assigned its own unique, 5-digit number. This 5-digit International Feed Number links the International Feed Description (in different languages), the International Feed Name and Country Names, and the chemical and biological data in the International Databank. The numbers are particularly useful tags when calculations involve various feeds to make up diets or feed mixtures. The Feed Class Number is usually put in front of the International Feed Number when feed tables and reports are prepared.

2.4 Rules for Naming Pasture

Several classes of feeds associated with one origin may be processed differently. For example, it is possible to have Timothy, aerial part, sun-cured (class 1); Timothy, aerial part, fresh (class 2); and Timothy, aerial part, ensiled (class 3). Each class refers to a specific type of product identified by the characteristic processes it undergoes before it is fed to an animal (Table 2.2). In these cases, class 1 includes forages cut and cured, commonly called hay; class 2 includes forages grazed in the field commonly called pasture, and those cut and fed to the animal in a fresh state; and class 3 includes forages cut and cured through processes of anaerobic fermentation in a silo. These are commonly referred to as silage.

The term pasture generally refers to several plant species growing together in varying proportions for the feeding (usually by grazing) of animals. Mixtures of up to four plant species in a pasture can be accommodated by Facet 1 (see Table 5.1). A plant community of more than four species is referred to as a "Forage Type", and this name may be used as Facet 1 original material. Forage Types commonly found in the Western United States (USA) are given in

Table 2.3 and examples of relevant feed descriptions are given in Table 2.4.

Forage-Type plant species may differ between localities, and so the analytical and biological data should apply only to the locality where the plants are grown. Examples of feed descriptions of Forage Types used for pasture or hay are shown in Table 2.5.

When one plant species dominates in a Forage Type, its scientific name and the Forage Type should be shown in Facet 1 (Table 2.5).

Marsh plants may grow in fresh water, sea water or brackish water, etc. For plants grown in fresh water, no special descriptor element for part needs to be added. For plants grown in sea water, however, the descriptor element IN SEA WATER should be inserted in the space for species and kind (Table 2.5).

For Africa and similar regions, appropriate descriptors for plant types (genus and generic) would be STEPPE PLANTS, SAVANNA PLANTS, etc. Sometimes the description of a pasture lacks a plant type. In these situations, the origin descriptor might be (for example) GRASS-LEGUME-FORB (Table 2.6).

Since grazing intensity may affect the composition of pasture forage, the following descriptors (when appropriate) may be used in the spaces for species and kind in Facet 1:

- LAND EXTENSIVELY GRAZED (under 55% utilization)
- LAND MODERATELY GRAZED (55 to 70% utilization)
- LAND INTENSIVELY GRAZED (over 70% utilization)

See Table 2.6 for examples.

Other appropriate descriptors for pasture are:

Genus and Generic Names (Facet 1 without scientific name)

GRASS

LEGUME

FORB

GRASS-LEGUME

GRASS-FORB

LEGUME-FORB

CEREAL

3. INTERNATIONAL FEED DESCRIPTIONS

A complete International Feed Description consists of all descriptors applicable to a particular feed. Table 3.1 lists the facets of the description and shows examples of International Feed Descriptions produced by the orderly arrangement of the descriptors that apply to a particular feed. When the descriptors are assembled each facet is separated by commas so the facet terms may be recognized. The examples, referred to above, illustrate that a maximum number of facets should be used to describe a feed.

Feed descriptions are coined only when specific information is provided along with composition data. Therefore, some sequences of descriptions such as those with stage of maturity, cuts, grades, etc., are incomplete.

4. INTERNATIONAL FEED NAMES

Insuring unambiguous identification of feeds can lead to International Feed Descriptions that are awkward for ordinary communication. International Feed Names are made up by changing or deleting certain part (Facet 2) and process (Facet 3) descriptors used in

International Feed Descriptions. Descriptors are modified to be more like those used in the trade. For example, the combination of descriptors (AERIAL PART + SUN-CURED) generally become "hay" in ordinary communication. Facet 1 (original material), Facet 4 (maturity), Facet 5 (cutting) and Facet 6 (grade), however are always the same in the International Feed Description and in the International Feed Name.

Part descriptors that are changed or deleted when composing International Feed Names from International Feed Descriptions are listed in Table 4.1. Examples of International Feed Descriptions and the modification of the part descriptor to form International Feed Names is illustrated in Table 4.2.

Process descriptors that are changed in the formation of an International Feed Name from an International Feed Description are listed in Table 4.3. Examples of the formation of International Feed Names by changing the process descriptors of the International Feed Description are shown in Table 4.4.

It is suggested that International Feed Names be adopted by regulatory agencies, researchers, extension services, scientific journals, teachers, county agents, consultants, government agencies and producers in all countries. These names should also be used in trade, in feed composition tables, and in advisory literature.

5. COUNTRY FEED NAMES

In various countries or regions, local feed names may exist. Some are in common usage, others are defined in scientific papers, and others are proclaimed by governments or other organizations. For example, feed manufacturers often adopt "Official Names" for purposes of trade. Such official names are rarely used as International Feed Descriptions or International Feed

Names because they are either incomplete, do not specify the original material or begin with the original material.

Some examples of Country Feed Names can be found in Table 3.1.

When compiling feed composition tables or reports, the Country Feed Name, official or otherwise, may be handled in one of the following ways:

- Used as a cross reference to the International Feed Name. Examples are:

Meat meal – see **Animal, meat, meal rendered**

Linseed meal, solvent extracted – see **Flax, seeds, meal solvent extracted**

- Listed under the International Feed Name.

Oats, grain clipped by-product

Clipped oat by-product

Oats, cereal by-product, less than 4% fiber

Oat middlings

Feeding oat meal

- Entered in parentheses (wholly or in part) after the International Feed Name.

Rice groats (Rice, brown)

Pineapple, process residue, dehydrated (Pineapple bran)

The definition of bran is "the pericarp of cereal grains." Since this definition does not fit pineapple, it was necessary to formulate another name, Pineapple bran, which is entered in parentheses in a feed table.

The origin of some feeds do not fit in with the International Nomenclature (see Section 2, Facet 1). Table 5.1 gives example feeds.

The above examples show the reasoning of why certain origin terms were chosen for the International Feed Names. Since feeds are known by many names, another possibility of overcoming this problem is to list the various names and data more than once in the feed table. Examples of more than one listing are as follows:

Animal, tallow 4-08-127
Fats and oils, tallow (animal)* 4-08-127

Darso, grain* 4-04-357
Sorghum, darso, grain 4-04-357

Cane, molasses* 4-13-251
Molasses and syrup, sugarcane, molasses* 4-13-251
Sugarcane, molasses 4-13-251

An asterisk (*) is put behind each name to indicate that it is a Country Name. A plus (+) behind the Country Names are the ones which would probably be listed twice (see Table 6.2). This idea was carried out in the book entitled "Feeds and Nutrition" by Ensminger and Olentine (1978).

5.1 Canada Feed Act Names

The Canada Government is revising the Canada Feed Act. In the new act International Feed Names and Numbers will be used.

5.2 Association of American Feed Control Officials Names

The Association of American Feed Control Officials (AAFCO) have composed legal feed names for the United States. The International Feed Names are listed according to Facets (or original material, part, process, and grade) in relation to the AAFCO Feed Names in Appendix Table 5.2. The information in this table is helpful to students and others in formulating International Feed Names. AAFCO feed names are made up to go on a feed tag. For example, Dehydrated Alfalfa Meal begins with dehydrated,

however, when putting this name in a feed table it would be Alfalfa, meal dehydrated. The information in Appendix Table 5.2 shows the relation of the AAFCO feed names to those feed names which are used in feed tables.

The International Feed Names and Numbers in relation to the AAFCO Feed Names and definitions are also included in the Annual Edition of the AAFCO Handbook. Copies of the handbook may be obtained from: Donald H. James, Treasurer, AAFCO, West Virginia Department of Agriculture, Room E-111, State Capitol Building, Charleston, WV 25305.

5.3 European Economic Community Feed Names (EEC)

The EEC have coined feed names for purposes of trade. International Feed Names and Numbers proposed for the EEC Feed Names and Definitions are listed in INFIC Publication 5 (Harris et al. 1980).

6. THE INTERNATIONAL FEED DESCRIPTION FILE AND THE INTERNATIONAL FEED NAME FILE

As previously explained, the International Feed Description has six facets. Each facet contains elements and within the elements are descriptors (Table 6.1). This table gives all the categories of International Feed Descriptions, International Feed Names and Country Feed Names (Kearl et al. 1980 and Harris et al. 1980). The three kinds of feed names exist in English and German and some exist in other languages. For the English and German languages, there are over 18,000 International Feed Descriptions, with an equal number of International Feed Names and a smaller number of Country Feed Names.

The three kinds of names are entered into the system on an International Name File Form (Figure 6.1). The descriptors for the International Feed Description

(AVENA SATIVA, OATS, CEREAL BY-PRODUCT, LESS THAN 4% FIBER) are entered on lines 025 to 325. The International Feed Name is entered on line 350 (Oats, cereal by-product, less than 4% fiber). In this case the International Feed Description and the International Feed Name are the same. If the International Feed Name needs more explanation for it to be understood, an Alternative International Name is made up with explanatory information in parentheses: Oats, cereal, by-product, less than 4% fiber (Feeding oat meal) (Oat middlings). This alternative name, which is used for feed tables, is entered on line 360.

Country Feed Names are entered on line 425. The country codes, 216 (Canada) and 930 (USA) are entered in columns 9-11 on line 425. This makes it possible to retrieve feed data by Country Feed Names. Country Feed Names from other countries are handled in the same manner.

A code 1 in column 31 on lines 350, 360 and 425 makes it possible to print feed names by headings such as OATS, AVENA SATIVA when preparing composition tables (see Table 6.1). For more details on how feed names are entered into the INFIC system, see Kearl et al. (1980).

Table 6.2 lists the International Feed Descriptions on the left hand side. On the right hand side is a list of International Feed Names, Country Feed Names and cross references. Glossary 6.1 is a list of scientific and common names. If the scientific name is known, the common name can be found in Table 6.2.

In Table 6.1, the common name is listed first followed by the scientific name. The full International Feed Name is the common name and the material after the dash. For example:

Clover, red. TRIFOLIUM REPENS
- hay, sun-cured, cut 1

The International Feed Name would be Clover, red, hay, sun-cured, cut 1.

When there is a plus (+) after the name, it is a Country Name. For example:

Milk protein, dehydrated+
Mclasses, sugarcane+

It is preferred that these names be handled as explained in Section 5. Also, names with an asterisk (*) after them are Country Names and should be handled in the same manner.

By sorting the International Feed Description File on element tag 215 (Table 6.1), it is possible to arrange the International Feed Descriptions by part (Facet 2). Table 6.3 gives examples of International Feed Descriptions arranged by part descriptors. The whole file can be listed this way to help organize the file so feed descriptions can be identified and new feed descriptions can be made up.

Glossary 6.2 presents a list of parts and their definitions. An explanation following each definition indicates with which kinds of feeds the part is used, and where to find applicable related descriptors used in the system. This information helps in describing a new feed.

Using similar techniques, representative International Feed Descriptions (arranged by process descriptors) are listed in Table 6.4. Processes are defined in Glossary 6.3. Each definition, when necessary, is followed by information as to the relevant Facet and which related descriptors are in the system.

Stage of maturity descriptors for plants are given in Glossary 6.4 and for animals in Glossary 6.5.

Examples of International Feed Descriptions are listed alphabetically by grade in relation to Facet 1 (original material) and Facet 2 (part) descriptors in Glossary 6.6. Table 6.5 gives examples of International Feed Descriptions arranged by grade descriptors. When describing a feed, Glossary 6.6 should be considered.

The International Feed Description file, together with the INFIC Feed Thesaurus (Haendler et al. in preparation), and the INFIC publications 2 (Harris et al. 1980) and 3 (Kearl et al. 1980), are used when entering descriptive information into the INFIC International Feed Description File.

7. USES FOR THE INTERNATIONAL FEED NAME FILE

7.1 Feed Names

International Feed Names offer a way to have one name per each feed used in all countries in the world. The first step in achieving this objective is to have the International Feed Name adopted as the "Official Legal Feed Name" of each country.

In some countries, a collective term may be used on a feed tag (AAFCO 1980): e.g., Forage Products include such feeds as Alfalfa, sun-cured ground; Lespedeza, stems, ground; Soybean, hay, ground. This overcomes the problem of putting feed numbers on the feed label.

Canada will use International Feed Names when its law is rewritten.

The second step is to use the International Feed Names in scientific literature. The American Society of Animal Science has adopted International Feed Names for use in the Journal of Animal Science. Other societies that publish feed nutrient information should be encouraged to use the International Feed Names when referring to specific feeds.

7.2 Feed Composition Tables

The systematic naming of feeds enables computers to be used to prepare feed composition tables in a variety of formats.

7.2.1 The Atlas Format

The Atlas Format was first used with the international feed vocabulary by Cramp-ton and Harris (1969) and later by the National Academy of Sciences (1971). This format is illustrated in Table 7.1.

Sorting the raw data before summarization allows them to be organized in different ways: for example, by country, by dry and rainy season, or with or without fertilizer. The headings for country, or for dry or rainy season, or with and without fertilizer may be entered on the same line as the International Feed Number.

The table column for any one feed is as long as is necessary to include all of the available analytical data.

The main advantages of the Atlas Format are that all data are listed in one place and it is economical in terms of printing space when the number and kind of nutrients vary widely between feeds. It is difficult with this format, however, to determine which analytical data are missing and to locate a feed with a particular level of a certain nutrient.

7.2.2 The Long Format

The Long Format overcomes problems associated with the Atlas Format by giving many options in printing the feed names.

- In Table 7.2 the generic or common name, Facet 1, is printed first followed by the scientific name, Facet 1. Facets 2-6 are printed below this heading. This format has the advantage of not having to print the common and scientific name more than once when there are several names with the same Facet 1.
- In Table 7.3 the scientific name is printed first followed by the common name, Facet 1. Facets 2-6

are printed below this heading. Certain countries such as Indonesia wish to have information printed in this way (Hari Hartadi et al. 1980).

- For local use, it is sometimes desirable to print only the International Feed Name (Table 7.4). If the International Feed Name is not fully understood, explanatory information can be in parentheses after the Name, or official and local names may be inserted directly under the International Feed Name.

Feeds are known by many names, therefore, it may be necessary to have cross references from local names to the International Feed Names. Examples are Lucerne - see Alfalfa; Corn - see Maize; Meat - see Animal. If there is more than one name for a feed, another alternative is to list each name with the data (see Section 5).

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FIGURE

INTERNATIONAL FEED DESCRIPTION FORM
(Feed Name Form)

1	2	3	4	5	6	7	8	9	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	79	80
Up digits code (all) Blank	International Feed No. (all)			Country Code	Element No. (all)	Language Code (all)	Country No. for Official Feeds Only	Elements Class	Code Sort Code	Descriptors or Feed Names																																																																					
A	03303				0 2 5	002		A	AVENA																																																																						
A	do				0 3 0	do			SATIVA																																																																						
					0 3 5				Variety																																																																						
					0 4 0				Genus																																																																						
					0 4 5				Species																																																																						
					0 5 0				Variety																																																																						
A	do				1 5 5	do			Genetic																																																																						
					1 5 6				(Origin)																																																																						
					1 8 5				Kind																																																																						
					1 8 6				(Breed)																																																																						
					1 9 5				Strain																																																																						
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					2 4 6																																																																										
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					3 7 0																																																																										
					3 7 1				Alterna- tive Name																																																																						
					3 7 2																																																																										
A	do			216	4 2 5	do	11-34		Country																																																																						
					4 2 6																																																																										
					4 2 7																																																																										
A	do			930	4 3 0	do	69.3		Country																																																																						
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					4 3 5				Country																																																																						
					4 3 6																																																																										
					4 3 7																																																																										

FIGURE 6.1 An Example of How an International Feed Description, an International Feed Name and Country Names are Entered on an International Feed Description Form (Kearl et al. 1980).

TABLES

TABLE 2.1 International Feed Descriptions: Original Material + Part + Process + Maturity + Cut + Grade (Examples)

Element	Feed No. 1	Feed No. 2	Feed No. 3	Feed No. 4	Feed No. 5	Feed No. 6
<i>With Scientific Name</i>						
Original Material						
Genus	MELILOTUS	SEBASTES	VICIA	MEDICAGO	GLYCINE	ZEA
Species	INDICA	MARINUS	FABA	SATIVA	MAX	MAYS
Variety	---	---	MINOR	---	---	INDENTATA
Generic name	SWEETCLOVER	FISH	HORSEBEAN	ALFALFA	SOYBEAN	MAIZE
breed or kind	YELLOW	HADDOCK	SMALL	---	---	DENT
strain	ANNUAL	BIG	---	---	---	YELLOW
part	AERIAL PART	LIVERS	STEMS	STEMS	SEEDS OIL	EARS WITH
process	FRESH	FRESH	FRESH	SUN-CURED	RESIDUE	HUSKS
maturity	---	---	EARLY	EARLY	SOLVENT	ENSILED
cut	CUT 1	---	VEGETATIVE	BLOOM	EXTRACTED	---
grade	---	---	---	---	GROUND	---
					44% PROTEIN	---
<i>Without Scientific Name</i>						
Original Material						
Genus	CALCIUM	MARSH	LEGUME-	ANIMAL	POULTRY	GRASS-
species	PHOSPHATE	PLANTS	GRASS	---	---	LEGUME-
variety	DIBASIC	IN SEA WATER	---	---	---	FORB
Generic name	CALCIUM	MARSH	LEGUME-	ANIMAL	POULTRY	GRASS-
breed or kind	PHOSPHATE	PLANTS	GRASS	---	---	LEGUME-
strain	DIBASIC	IN SEA WATER	---	---	---	FORB
	$\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$	---	---	---	---	---
part	---	AERIAL PART	AERIAL PART	BONE	FEATHERS	AERIAL PART
process	---	SUN-CURED	ENSILED	FRESH	DEHYDRATED	ENSILED
maturity	---	LATE BLOOM	LATE	GROUND	GROUND	---
cut	---	CUT 1	VEGETATIVE	---	---	CUT 1
grade	CHEMICALLY	---	---	---	---	---
	PURE	---	---	---	---	---

TABLE 2.2 Feed Classes by Physical and Chemical Characteristics

Class Number	Class Denominations and Explanations
1	<p><i>Dry forages and roughages</i></p> <p>All forages and roughages cut and cured and other products with more than 18% crude fiber or containing more than 35% cell wall (dry basis). Forages and roughages are low in net energy per unit weight usually because of the high cell wall content.</p> <p>Example dry forages: hay STRAW stover (AERIAL PART WITHOUT EARS WITHOUT HUSKS (for Maize) or AERIAL PART WITHOUT HEADS (for Sorghum)</p> <p>Example roughages: HULLS PODS</p>
2	<p><i>Pasture, range plants, and forages fed fresh</i></p> <p>Included in this group are all forage feeds either not cut (including feeds cured on the stem) or cut and fed fresh.</p>
3	<p><i>Silages</i></p> <p>This class includes only ensiled forages (MAIZE, ALFALFA, GRASS, etc.), but not ensiled FISH, GRAIN, ROOTS, and TUBERS.</p>
4	<p><i>Energy feeds</i></p> <p>Products with less than 20% protein and less than 18% crude fiber or less than 35% cell wall (dry basis), as for example GRAIN, mill by-products, FRUIT, nuts, ROOTS, and TUBERS. Also, when these feeds are ensiled they are classified as energy feeds.</p>
5	<p><i>Protein supplements</i></p> <p>Products which contain 20% or more of protein (dry basis) from animal origin (including ensiled products) as well as ALGAE, oil meals, GLUTEN, etc.</p>
6	<p><i>Mineral supplements</i></p>
7	<p><i>Vitamin supplements</i></p> <p>Including ensiled yeast.</p>
8	<p><i>Additives</i></p> <p>Feed supplements such as antibiotics, coloring material, flavors, hormones, and medicants.</p>

TABLE 2.3 Forage Type Plants Grazed
in the Western United States USA^a

Type

Tall-grass

Desert-grass

Intermountain shrub

Southern desert-shrub

Chaparral

Oak

Mountain-brush

Pinon-juniper

^aTaken from Stoddart and Smith (1955).

TABLE 2.4 Examples of International Feed Descriptions for Forage Types Grazed

Element	Feed No. 1	Feed No. 2	Feed No. 3	Feed No. 4
Genus (type)	MEADOW	CHAPARRAL	CONIFEROUS	PINON-JUNIPER
species	----	----	----	----
variety	----	----	----	----
Generic (name type)	MEADOW	CHAPARRAL	CONIFEROUS	PINON-JUNIPER
kind	PLANTS	PLANTS	TREE PLANTS	PLANTS
strain	----	----	----	----
part	----	----	----	----
process	AERIAL PART FRESH	BROWSE AND AERIAL PART ^a FRESH	BROWSE AND AERIAL PART ^a FRESH	BROWSE AND AERIAL PART ^a FRESH
IFN	2-27-463	2-12-325	2-12-361	2-12-362

^aSome plants are trees or shrubs and others are grasses.

TABLE 2.5 Examples of International Feed Descriptions for Forage Types Which are Grazed or Cut for Hay

International Feed Number	Genus	Species	Variety	Generic Name	Kind	Strain	Part	Process	Cut
2-12-367	CONIFEROUS TREE PLANTS	LARGELY CYNOSURUS CRISTATUS	---	CONIFEROUS TREE PLANTS	LARGELY DOGTAIL CRESTED	---	BROWSE AND AERIAL PART	FRESH	---
2-12-364	MEADOW PLANTS	LAND EXTENSIVELY GRAZED	---	MEADOW PLANTS	LAND EXTENSIVELY GRAZED	---	AERIAL PART	FRESH	---
2-12-365	MEADOW PLANTS	LAND INTENSIVELY GRAZED	---	MEADOW PLANTS	LAND INTENSIVELY GRAZED	---	AERIAL PART	FRESH	---
2-12-366	STEPPE PLANTS	---	---	STEPPE PLANTS	---	---	AERIAL PART	FRESH	---
2-27-464	PRAIRIE PLANTS	---	---	PRAIRIE PLANTS	---	---	AERIAL PART	FRESH	---
2-27-463	MEADOW PLANTS	---	---	MEADOW PLANTS	---	---	AERIAL PART	FRESH	---
2-12-368	MEADOW PLANTS	LARGELY CAREX SPP	---	MEADOW PLANTS	LARGELY SEDGE	---	AERIAL PART	FRESH	---
2-12-369	MEADOW PLANTS	LARGELY ALOPECURUS PRATENSIS	---	MEADOW PLANTS	LARGELY FOXTAIL MEADOW	---	AERIAL PART	FRESH	---
1-12-370	MEADOW PLANTS	LARGELY ALOPECURUS PRATENSIS	---	MEADOW PLANTS	LARGELY FOXTAIL MEADOW	---	AERIAL PART	SUN-CURED	CUT 1
1-12-371	MEADOW PLANTS	LARGELY ARRHENATHERUM ELATIUS	---	MEADOW PLANTS	LARGELY OATGRASS TALL	---	AERIAL PART	SUN-CURED	---
2-12-375	MEADOW PLANTS	LARGELY TRisetum FLAVESCENS	---	MEADOW PLANTS	LARGELY OATGRASS YELLOW	---	AERIAL PART	FRESH	---
2-22-998	MARSH PLANTS	---	---	MARSH PLANTS	---	---	AERIAL PART	FRESH	---
2-22-994	MARSH PLANTS	IN SEAWATER	---	MARSH PLANTS	IN SEAWATER	---	AERIAL PART	FRESH	---

TABLE 2.6 Examples of International Feed Descriptions for Forage Type Plants Grown on Extensively or Intensively Grazed Land

International Feed Number	Genus	Species	Variety	Generic Name	Kind	Strain	Part	Maturity	Process	Cut
2-22-962	GRASS-LEGUME-FORB	LAND EXTENSIVELY GRAZED	---	GRASS-LEGUME-FORB	LAND EXTENSIVELY GRAZED	---	AERIAL PART	LATE VEGETATIVE	SUN-CURED ^a	CUT 2
2-12-363	GRASS-LEGUME-FORB	LAND EXTENSIVELY GRAZED	---	GRASS-LEGUME-FORB	LAND EXTENSIVELY GRAZED	---	AERIAL PART	---	FRESH	---
1-23-382	GRASS-LEGUME-FORB	LAND EXTENSIVELY GRAZED	---	GRASS-LEGUME-FORB	LAND EXTENSIVELY GRAZED	---	AERIAL PART	EARLY BLOSSOM	SUN-CURED	CUT 1
2-22-420	GRASS-LEGUME-FORB	LAND INTENSIVELY GRAZED	---	GRASS-LEGUME-FORB	LAND INTENSIVELY GRAZED	---	AERIAL PART	---	FRESH	---
1-23-395	GRASS-LEGUME-FORB	LAND INTENSIVELY GRAZED	---	GRASS-LEGUME-FORB	LAND INTENSIVELY GRAZED	---	AERIAL PART	---	SUN-CURED ^a	CUT 2
2-22-800	GRASS-LEGUME-FORB	LAND MODERATELY GRAZED	---	GRASS-LEGUME-FORB	LAND MODERATELY GRAZED	---	AERIAL PART	---	FRESH	---

^aAERIAL PART + SUN-CURED = hay.

TABLE 3.1 International Feed Descriptions, International Feed Names and Country Feed Names (Examples)

Components	Feed No. 1	Feed No. 2	Feed No. 3	Feed No. 4	Feed No. 5	Feed No. 6	Feed No. 7
<i>International Feed Descriptions</i>							
Original Material							
Genus species variety	ANIMAL --- ---	LINUM SPP ---	AVENA SATIVA ---	FISH --- ---	MEDICAGO SATIVA ---	TRITICUM AESTIVUM ---	MEDICAGO LUPULINA ---
Generic breed or kind strain	ANIMAL --- ---	FLAX --- ---	OATS --- ---	FISH --- ---	ALFALFA --- ---	WHEAT --- ---	MEDIC BLACK ---
part	LIVERS	SEEDS OIL RESIDUE	GROATS BY-PRODUCT	WHOLE OR CUTTINGS OIL RESIDUE	AERIAL PART	FLOUR BY-PRODUCT	AERIAL PART
process	DEHYDRATED GROUND	SOLVENT EXTRACTED GROUND	---	MECHANICAL EXTRACTED GROUND	SUN-CURED	---	FRESH
maturity cutting grade	---	---	---	---	EARLY BLOOM ---	---	---
	---	---	LESS THAN 22% FIBER	---	---	LESS THAN 4% FIBER	---
<i>International Feed Names</i>							
Original Material							
Genus species variety	ANIMAL --- ---	LINUM SPP ---	AVENA SATIVA ---	FISH --- ---	MEDICAGO SATIVA ---	TRITICUM AESTIVUM ---	MEDICAGO LUPULINA ---
Generic breed or kind strain	Animal --- ---	Flax --- ---	Oats --- ---	Fish --- ---	Alfalfa --- ---	Wheat --- ---	Medic black ---
part	livers	seeds	groats by- product	---	hay	flour-by product	---
process	meal	meal solvent extracted	---	meal mechanical extracted	sun-cured	---	fresh
maturity cutting grade	---	---	---	---	early bloom ---	---	---
	---	---	less than 22% fiber	---	---	less than 4% fiber	---
<i>Country Feed Names</i>							
	Animal liver meal (CFA) ^a	Solvent extracted linseed meal (CFA)	Oat feed (CFA)	Fish meal (CFA)	---	---	
	Animal liver (AAFCO) ^b	Linseed meal, solvent extracted (AAFCO)	Oat mill by-product (AAFCO)	Fish meal (AAFCO)	---	Wheat red dog, less than 4% fiber (AAFCO)	
<i>International Feed Number</i>	5-00-389	5-30-288	1-03-332	5-01-977	1-00-059	4-05-203	2-03-070

^a Old Canada Feed Act names; Canada plans to use the International Feed Names in the future.
^b American Association of Feed Control Officials name.

TABLE 4.1 Part Descriptors Changed or Deleted When Composing the International Feed Name from the International Feed Description

Item Number	Descriptors in International Feed Description	Terms used in International Feed Name
1	AERIAL PART	Deleted
2	AERIAL PART OIL RESIDUE	Deleted
3	BLUBBER OIL RESIDUE	BLUBBER
4	BONE OIL RESIDUE	BONES
5	BRAN WITH GERMS OIL RESIDUE	BRAN WITH GERMS
6	BRAN WITH GERMS WITH HULLS OIL RESIDUE	BRAN WITH GERMS WITH HULLS
7	CARCASS RESIDUE	MEAT
8	CARCASS RESIDUE WITH BLOOD	Tankage
9	CARCASS RESIDUE WITH BLOOD WITH BONE	Tankage with bone
10	CARCASS RESIDUE WITH BLOOD WITH RUMEN CONTENTS	Tankage with rumen contents
11	CARCASS RESIDUE WITH BONE	MEAT WITH BONE
12	FLOUR OIL RESIDUE	FLOUR
13	FRUIT OIL RESIDUE	FRUIT
14	FRUIT WITHOUT CUPS OIL RESIDUE	FRUIT WITHOUT CUPS
15	FRUIT WITHOUT CUPS WITH SOME SHELLS OIL RESIDUE	FRUIT WITHOUT CUPS WITH SOME SHELLS
16	FRUIT WITHOUT HUSKS OIL RESIDUE	FRUIT WITHOUT HUSKS
17	FRUIT WITHOUT PITS OIL RESIDUE	FRUIT WITHOUT PITS
18	FRUIT WITHOUT SEEDS OIL RESIDUE	FRUIT WITHOUT SEEDS
19	GERMS OIL RESIDUE	GERMS
20	GERMS WITHOUT EXTRACTIVES OIL RESIDUE	GERMS WITHOUT EXTRACTIVES
21	GLUE BY-PRODUCT	GLUE RESIDUE
22	GLUTEN LOW GLUTAMIC ACID	GLUTEN
23	GRAIN OIL RESIDUE	GRAIN
24	GRITS BY-PRODUCT OIL RESIDUE	GRITS BY-PRODUCT
25	GRITS OIL RESIDUE	GRITS
26	HEADS (Animal)	HEADS
27	KERNELS OIL RESIDUE	KERNELS
28	KERNELS WITH COATS MOLASSES ADDED OIL RESIDUE	KERNELS WITH COATS MOLASSES ADDED
29	KERNELS WITH COATS OIL RESIDUE	KERNELS WITH COATS
30	LEAVES OIL RESIDUE	LEAVES
31	LIVERS OIL RESIDUE	LIVERS
32	MEAT OIL RESIDUE	MEAT
33	OIL SLUDGE OIL RESIDUE	OIL SLUDGE
34	PITS OIL RESIDUE	PITS
35	PODS WITH SEEDS OIL RESIDUE	PODS WITH SEEDS
36	PODS WITH SEEDS SODIUM CARBONATE ADDED OIL RESIDUE	PODS WITH SEEDS SODIUM CARBONATE ADDED
37	POLISHINGS OIL RESIDUE	POLISHINGS
38	POMACE OIL RESIDUE	POMACE
39	PROTEIN CONCENTRATE OIL RESIDUE	PROTEIN CONCENTRATE
40	PROTEIN OIL RESIDUE	PROTEIN
41	PUPAE OIL RESIDUE	PUPAE
42	ROOTS OIL RESIDUE	ROOTS
43	SEED COATS OIL RESIDUE	SEED COATS
44	SEED SCREENINGS OIL RESIDUE	SEED SCREENINGS
45	SEEDS GUMS ADDED OIL RESIDUE	SEEDS GUMS ADDED
46	SEEDS HULLS ADDED OIL RESIDUE	SEEDS HULLS ADDED
47	SEEDS LOW GOSSYPOL OIL RESIDUE	SEEDS LOW GOSSYPOL
48	SEEDS LOW PROTEIN LOW CARBOHYDRATES OIL RESIDUE	SEEDS LOW PROTEIN LOW CARBOHYDRATES
49	SEEDS OIL RESIDUE	SEEDS
50	SEEDS UNSCREENED OIL RESIDUE	SEEDS UNSCREENED

TABLE 4.1 (Cont.)

Item Number	Descriptors in International Feed Description	Terms used in International Feed Name
51	SEEDS WITH SOME HULLS OIL RESIDUE	SEEDS WITH SOME HULLS
52	SEEDS WITH SOME PODS OIL RESIDUE	SEEDS WITH SOME PODS
53	SEEDS WITHOUT COATS OIL RESIDUE	SEEDS WITHOUT COATS
54	SEEDS WITHOUT HULLS OIL RESIDUE	SEEDS WITHOUT HULLS
55	SEEDS WITHOUT LINT OIL RESIDUE	SEEDS WITHOUT LINT
56	TUBERS WITHOUT PEELINGS OIL RESIDUE	TUBERS WITHOUT PEELINGS
57	VISCERA WITH FEET WITH HEADS	BY-PRODUCT
58	VISCERA WITH FEET WITH HEADS WITH FEATHERS	BY-PRODUCT WITH FEATHERS
59	WHEY WITHOUT ALBUMIN LOW LACTOSE	WHEY SOLUBLES
60	WHOLE OIL RESIDUE	Deleted
61	WHOLE OR CUTTINGS	Deleted
62	WHOLE OR CUTTINGS OIL RESIDUE	Deleted
63	WHOLE OR CUTTINGS SALT ADDED	SALT ADDED
64	WHOLE SALT ADDED	SALT ADDED

TABLE 4.2 Examples of International Feed Description and International Feed Names Corresponding to the Parts Listed in Table 4.1

International Feed No.	Item No. From Table 4.1	International Feed Description	International Feed Name
3-07-840	1	ALFALFA, AERIAL PART, WILTED ENSILED, FULL BLOOM, CUT 1	ALFALFA, SILAGE WILTED, FULL BLOOM, CUT 1
1-00-030	2	ALFALFA, AERIAL PART OIL RESIDUE, SOLVENT EXTRACTED GROUND	ALFALFA, MEAL SOLVENT EXTRACTED
4-09-283	3	SEAL, HARBOUR, BLUBBER OIL RESIDUE, SOLVENT EXTRACTED	SEAL, HARBOUR, BLUBBER, SOLVENT EXTRACTED
6-08-338	4	ANIMAL, BONE OIL RESIDUE, BOILED SOLVENT EXTRACTED GROUND	ANIMAL, BONE, MEAL SOLVENT EXTRACTED
4-03-930	5	RICE, BRAN WITH GERMS OIL RESIDUE, SOLVENT EXTRACTED GROUND	RICE, BRAN WITH GERMS, MEAL SOLVENT EXTRACTED
1-13-554	6	RICE, BRAN WITH GERMS WITH HULLS OIL RESIDUE, SOLVENT EXTRACTED GROUND	RICE, BRAN WITH GERMS WITH HULLS, MEAL SOLVENT EXTRACTED
5-00-385	7	ANIMAL, CARCASS RESIDUE, DRY RENDERED GROUND	ANIMAL, MEAT, MEAL RENDERED
5-00-386	8	ANIMAL, CARCASS RESIDUE WITH BLOOD, DRY OR WET RENDERED	ANIMAL, TANKAGE, RENDERED
5-00-387	9	ANIMAL, CARCASS RESIDUE WITH BLOOD WITH BONE, DRY OR WET RENDERED GROUND	ANIMAL, TANKAGE WITH BONE, MEAL RENDERED
5-08-336	10	ANIMAL, CARCASS RESIDUE WITH BLOOD WITH RUMEN CONTENTS, DRY OR WET RENDERED GROUND	ANIMAL, TANKAGE WITH RUMEN CONTENTS, MEAL RENDERED
5-00-388	11	ANIMAL, CARCASS RESIDUE WITH BONE, DRY RENDERED GROUND	ANIMAL, MEAT WITH BONE, MEAL RENDERED
5-03-645	12	PEANUT, FLOUR OIL RESIDUE, MECHANICAL EXTRACTED	PEANUT, FLOUR, MECHANICAL EXTRACTED
4-14-459	13	PEPPER, FRUIT OIL RESIDUE, SOLVENT EXTRACTED	PEPPER, FRUIT, SOLVENT EXTRACTED
4-25-589	14	BEECH, EUROPEAN, FRUIT WITHOUT CUPS OIL RESIDUE, SOLVENT EXTRACTED GROUND	BEECH, EUROPEAN, FRUIT WITHOUT CUPS, MEAL SOLVENT EXTRACTED
4-25-588	15	BEECH, EUROPEAN, FRUIT WITHOUT CUPS WITH SOME SHELLS OIL RESIDUE, SOLVENT EXTRACTED GROUND	BEECH, EUROPEAN, FRUIT WITHOUT CUPS WITH SOME SHELLS, MEAL SOLVENT EXTRACTED
5-10-692	16	OILPALM, AFRICAN, FRUIT WITHOUT HUSKS OIL RESIDUE, MECHANICAL EXTRACTED	OILPALM, AFRICAN, FRUIT WITHOUT HUSKS, MECHANICAL EXTRACTED
4-08-475	17	OLIVE, FRUIT WITHOUT PITS OIL RESIDUE, SOLVENT EXTRACTED GROUND	OLIVE, FRUIT WITHOUT PITS, MEAL SOLVENT EXTRACTED
1-11-746	18	COFFEE, FRUIT WITHOUT SEEDS OIL RESIDUE, MECHANICAL EXTRACTED	COFFEE, FRUIT WITHOUT SEEDS, MECHANICAL EXTRACTED
5-02-894	19	MAIZE, GERMS OIL RESIDUE, DRY MILLED MECHANICAL EXTRACTED GROUND	MAIZE, GERMS, MEAL MECHANICAL EXTRACTED
5-02-898	20	MAIZE, GERMS WITHOUT EXTRACTIVES OIL RESIDUE, WET MILLED SOLVENT EXTRACTED GROUND	MAIZE, GERMS WITHOUT EXTRACTIVES MEAL SOLVENT EXTRACTED
5-01-966	21	FISH, GLUE BY-PRODUCT, DEHYDRATED GROUND	FISH, GLUE RESIDUE, MEAL
5-02-901	22	MAIZE, GLUTEN LOW GLUTAMIC ACID, HYDROLYZED DEHYDRATED	MAIZE, GLUTEN, HYDROLYZED
4-13-332	23	MAIZE, GRAIN OIL RESIDUE, SOLVENT EXTRACTED GROUND	MAIZE, GRAIN, MEAL SOLVENT EXTRACTED
4-08-025	24	MAIZE, GRITS BY-PRODUCT OIL RESIDUE, SOLVENT EXTRACTED	MAIZE, GRITS BY-PRODUCT, SOLVENT EXTRACTED
5-04-592	25	SOYBEAN, GRITS OIL RESIDUE, SOLVENT EXTRACTED	SOYBEAN, GRITS, SOLVENT EXTRACTED
5-07-949	26	CHICKEN, HEADS (ANIMAL), FRESH	CHICKEN, HEADS, FRESH
5-03-959	27	RUBBERTREE, PARA, KERNELS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	RUBBERTREE, PARA, KERNELS, MEAL MECHANICAL EXTRACTED
4-08-389	28	COCONUT, KERNELS WITH COATS MOLASSES ADDED OIL RESIDUE, SOLVENT EXTRACTED GROUND	COCONUT, KERNELS WITH COATS MOLASSES ADDED, MEAL SOLVENT EXTRACTED

TABLE 4.2 (Cont.)

International Feed No.	Item No. From Table 4.1	International Feed Description	International Feed Name
2-01-673	29	CREOSOTEBUSH, LEAVES OIL RESIDUE, ALCOHOL EXTRACTED	CREOSOTEBUSH, LEAVES, ALCOHOL EXTRACTED
5-01-968	30	FISH, LIVERS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	FISH, LIVERS, MEAL MECHANICAL EXTRACTED
4-05-163	31	WHALE, MEAT OIL RESIDUE, SOLVENT EXTRACTED GROUND	WHALE, MEAT, MEAL SOLVENT EXTRACTED
5-30-141	32	BEECH, KERNELS WITH COATS OIL RESIDUE, MECHANICAL EXTRACTED CAKED	BEECH, KERNELS WITH COATS, MECHANICAL EXTRACTED CAKED
4-20-663	33	OILPALM, AFRICAN, OIL SLUDGE OIL RESIDUE, SOLVENT EXTRACTED	OILPALM, AFRICAN, OIL SLUDGE, SOLVENT EXTRACTED
5-27-525	34	APRICOT, PITS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	APRICOT, PITS, MEAL MECHANICAL EXTRACTED
5-30-162	35	PEANUT, PODS WITH SEEDS OIL RESIDUE, MECHANICAL EXTRACTED CAKED	PEANUT, PODS WITH SEEDS, MECHANICAL EXTRACTED CAKED
5-06-267	36	PEANUT, PODS WITH SEEDS SODIUM CARBONATE ADDED OIL RESIDUE, SOLVENT EXTRACTED GROUND	PEANUT, PODS WITH SEEDS SODIUM CARBONATE ADDED, MEAL SOLVENT EXTRACTED
4-13-300	37	RICE, POLISHINGS OIL RESIDUE, MECHANICAL EXTRACTED	RICE, POLISHINGS, MECHANICAL EXTRACTED
4-06-615	38	PALM, PARAGUAY, POMACE OIL RESIDUE, MECHANICAL EXTRACTED GROUND	PALM, PARAGUAY, POMACE MEAL MECHANICAL EXTRACTED
5-09-334	39	FISH, PROTEIN CONCENTRATE OIL RESIDUE, SOLVENT EXTRACTED	FISH, PROTEIN CONCENTRATE, SOLVENT EXTRACTED
5-09-227	40	FISH, PROTEIN OIL RESIDUE, SOLVENT EXTRACTED	FISH, PROTEIN, SOLVENT EXTRACTED
5-20-950	41	SILKWORM, PUPAE OIL RESIDUE, SOLVENT EXTRACTED	SILKWORM, PUPAE, SOLVENT EXTRACTED
4-26-371	42	LICORICE, ROOTS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	LICORICE, ROOTS, MEAL MECHANICAL EXTRACTED
1-13-575	43	CACAO, SEED COATS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	CACAO, SEED COATS, MEAL MECHANICAL EXTRACTED
5-12-228	44	FLAX, SEED SCREENINGS OIL RESIDUE, SOLVENT EXTRACTED GROUND	FLAX, SEED SCREENINGS, MEAL SOLVENT EXTRACTED
5-20-657	45	RAPE, TURNIP, SEEDS GUMS ADDED OIL RESIDUE, SOLVENT EXTRACTED GROUND	RAPE, TURNIP, SEEDS GUMS ADDED, MEAL SOLVENT EXTRACTED
5-09-636	46	COTTON, UPLAND, SEEDS HULLS ADDED OIL RESIDUE, MECHANICAL EXTRACTED GROUND	COTTON, UPLAND, SEEDS HULLS ADDED, MEAL MECHANICAL EXTRACTED
5-09-002	47	COTTON, SEEDS LOW GOSSYPOL OIL RESIDUE, MECHANICAL EXTRACTED GROUND	COTTON, SEEDS LOW GOSSYPOL, MEAL MECHANICAL EXTRACTED
5-04-613	48	SOYBEAN, SEEDS LOW PROTEIN LOW CARBOHYDRATES OIL RESIDUE, SOLVENT EXTRACTED GROUND	SOYBEAN, SEEDS LOW PROTEIN LOW CARBOHYDRATES, MEAL SOLVENT EXTRACTED
5-02-041	49	FLAX, COMMON, SEEDS OIL RESIDUE, SOLVENT EXTRACTED, 31% PROTEIN	FLAX, COMMON, SEEDS, SOLVENT EXTRACTED, 31% PROTEIN
5-02-057	50	FLAX, COMMON, SEEDS UNSCREENED OIL RESIDUE, MECHANICAL EXTRACTED CAKED	FLAX, COMMON, SEEDS UNSCREENED, MECHANICAL EXTRACTED CAKED
5-14-639	51	COTTON, SEEDS WITH SOME HULLS OIL RESIDUE, MECHANICAL EXTRACTED GROUND, 8.1-12% FAT	COTTON, SEEDS WITH SOME HULLS, MEAL MECHANICAL EXTRACTED, 8.1-12% FAT
5-07-025	52	PEANUT, SEEDS WITH SOME PODS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	PEANUT, SEEDS WITH SOME PODS, MEAL MECHANICAL EXTRACTED
5-25-582	53	MALLOW, MELUCA, SEEDS WITHOUT COATS OIL RESIDUE, SOLVENT EXTRACTED GROUND	MALLOW, SEEDS WITHOUT COATS, MEAL SOLVENT EXTRACTED
5-20-931	54	BUFFALOGOURD, SEEDS WITHOUT HULLS OIL RESIDUE, SOLVENT EXTRACTED GROUND	BUFFALOGOURD, SEEDS WITHOUT HULLS, MEAL SOLVENT EXTRACTED
5-01-619	55	COTTON, SEEDS WITHOUT LINT OIL RESIDUE, SOLVENT EXTRACTED GROUND	COTTON, SEEDS WITHOUT LINT, MEAL SOLVENT EXTRACTED

TABLE 4.2 (Cont.)

International Feed No.	Item No. From Table 4.1	International Feed Description	International Feed Name
4-10-466	56	DASHEEN, TUBERS WITHOUT PEELINGS OIL RESIDUE, SOLVENT EXTRACTED GROUND	DASHEEN, TUBERS WITHOUT PEELINGS, MEAL SOLVENT EXTRACTED
5-30-187	57	POULTRY, VISCERA WITH FEET WITH HEADS, BOILED	POULTRY, BY-PRODUCT, BOILED
5-14-508	58	POULTRY, VISCERA WITH FEET WITH HEADS WITH FEATHERS, HYDROLYZED	POULTRY, BY-PRODUCT WITH FEATHERS, HYDROLYZED
4-01-188	59	CATTLE, WHEY WITHOUT ALBUMIN LOW LACTOSE, CONDENSED	CATTLE, WHEY SOLUBLES, CONDENSED
5-29-364	60	FISH, GOBY, WHOLE OIL RESIDUE, MECHANICAL EXTRACTED GROUND	FISH, GOBY, MEAL MECHANICAL EXTRACTED
5-01-974	61	FISH, WHOLE OR CUTTINGS, DEHYDRATED GROUND	FISH, MEAL
5-01-997	62	FISH, FLOUNDER, WHOLE OR CUTTINGS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	FISH, FLOUNDER, MEAL MECHANICAL EXTRACTED
5-24-028	63	FISH, HERRING, WHOLE OR CUTTINGS SALT ADDED	FISH, HERRING, SALT ADDED
5-29-341	64	FISH, WHOLE SALT ADDED	FISH, SALT ADDED

TABLE 4.3 Process Descriptors Changed or Deleted When Composing the International Feed Name from the International Feed Description

Item Number	Descriptors in International Feed Description	Terms used in International Feed Name
1	ACID HYDROLYZED DRY OR WET RENDERED GROUND	meal acid hydrolyzed rendered
2	ACID HYDROLYZED DRY RENDERED	acid hydrolyzed rendered
3	ACID HYDROLYZED WET RENDERED	acid hydrolyzed rendered
4	ALCOHOL EXTRACTED GROUND	meal alcohol extracted
5	AMMONIA EXTRACTED DEHYDRATED OR SUN-CURED	ammonia extracted dehydrated
6	AMMONIATED DEHYDRATED OR SUN-CURED	ammoniated dehydrated
7	BOILED DEHYDRATED GROUND	meal boiled
8	BOILED DEHYDRATED OR SUN-CURED	boiled dehydrated
9	BOILED ENSILED	silage boiled
10	BOILED MECHANICAL EXTRACTED GROUND	meal boiled mechanical extracted
11	BOILED PREPRESSED SOLVENT EXTRACTED GROUND	meal boiled prepressed solvent extracted
12	BOILED SOLVENT EXTRACTED GROUND	meal boiled solvent extracted
13	CENTRIFUGED CONDENSED	CONDENSED
14	CENTRIFUGED DEHYDRATED	DEHYDRATED
15	CENTRIFUGED DEHYDRATED ON ROLLERS	DEHYDRATED ON ROLLERS
16	CENTRIFUGED FRESH	FRESH
17	CENTRIFUGED SPRAY DEHYDRATED	SPRAY DEHYDRATED
18	CONVENTIONAL COOKER DEHYDRATED GROUND	meal conventional cooker dehydrated
19	DEHYDRATED COARSE GROUND	COARSE GROUND
20	DEHYDRATED FINE GROUND	FINE GROUND
21	DEHYDRATED GROUND	meal
22	DEHYDRATED OR SUN-CURED	DEHYDRATED
23	DEHYDRATED OR SUN-CURED GROUND	meal
24	DRY MILLED	Deleted
25	DRY MILLED MECHANICAL EXTRACTED GROUND	meal mechanical extracted
26	DRY MILLED SOLVENT EXTRACTED GROUND	meal solvent extracted
27	DRY OR WET RENDERED	RENDERED
28	DRY OR WET RENDERED GROUND	meal rendered
29	DRY RENDERED	Deleted
30	DRY RENDERED GROUND	meal rendered
31	ENSILED	silage
32	ENSILED AMMONIATED	silage ammoniated
33	ENSILED DEHYDRATED	silage dehydrated
34	ENSILED DEHYDRATED OR SUN-CURED	silage dehydrated
35	ENSILED DEHYDRATED PELLETTED	silage dehydrated pelleted
36	EXTRACTED DEHYDRATED GROUND	meal extracted
37	EXTRACTION UNSPECIFIED GROUND	meal extraction unspecified
38	FERMENTED DEHYDRATED OR SUN-CURED	FERMENTED DEHYDRATED
39	FLASH DEHYDRATED GROUND	meal flash dehydrated
40	FREEZE DEHYDRATED GROUND	meal freeze dehydrated
41	HEAT AND ACID PRECIPITATED DEHYDRATED	Deleted
42	HYDROLYZED DEHYDRATED GROUND	meal hydrolyzed
43	MALTASE TREATED DEHYDRATED GROUND	meal maltase treated
44	MANUALLY EXTRACTED DEHYDRATED OR SUN-CURED	manually extracted dehydrated
45	MANUALLY EXTRACTED ENSILED	silage manually extracted
46	MECHANICAL EXTRACTED GROUND	meal mechanical extracted
47	MECHANICAL EXTRACTED STEAMED GROUND	meal mechanical extracted steamed
48	MECHANICAL EXTRACTED TOASTED GROUND	meal mechanical extracted toasted
49	NEUTRALIZED DEHYDRATED OR SUN-CURED	neutralized dehydrated

TABLE 4.3 (Cont.)

Item Number	Descriptors in International Feed Description	Terms used in International Feed Name
50	PARTIALLY EXTRACTED DEHYDRATED OR SUN-CURED	partially extracted dehydrated
51	PREPRESSED SOLVENT EXTRACTED GROUND	meal prepessed solvent extracted
52	PRESSED ENSILED	silage pressed
53	SCREENED DEHYDRATED OR SUN-CURED	SCREENED DEHYDRATED
54	SHREDDED DEHYDRATED OR SUN-CURED	shredded dehydrated
55	SOLVENT EXTRACTED AMMONIATED GROUND	meal solvent extracted ammoniated
56	SOLVENT EXTRACTED AUTOCLAVED GROUND	meal solvent extracted autoclaved
57	SOLVENT EXTRACTED GROUND	meal solvent extracted
58	SOLVENT EXTRACTED STEAMED GROUND	meal solvent extracted steamed
59	SOLVENT EXTRACTED TOASTED GROUND	meal solvent extracted toasted
60	STEAMED DEHYDRATED GROUND	meal steamed
61	SUN-CURED EXTRACTION UNSPECIFIED GROUND	meal extraction unspecified sun-cured
62	SUN-CURED MECHANICAL EXTRACTED GROUND	meal sun-cured mechanical extracted
63	TREATED WITH SODIUM HYDROXIDE DEHYDRATED OR SUN-CURED	TREATED WITH SODIUM HYDROXIDE DEHYDRATED
64	WASHED ENSILED	silage washed
65	WATER EXTRACTED DEHYDRATED GROUND	meal water extracted
66	WET MILLED DEHYDRATED GROUND	meal
67	WET MILLED MECHANICAL EXTRACTED GROUND	meal mechanical extracted
68	WET MILLED SOLVENT EXTRACTED GROUND	meal solvent extracted
69	WET RENDERED	RENDERED
70	WILTED ENSILED	silage wilted

TABLE 4.4 Examples of International Feed Description and International Feed Names Corresponding to the Processes Listed in Table 4.3

International Feed No.	Item No. From Table 4.3	International Feed Description	International Feed Name
5-06-782	1	ANIMAL, SKIN SPLITS, ACID HYDROLYZED DRY OR WET RENDERED GROUND	ANIMAL, SKIN SPLITS, MEAL ACID HYDROLYZED RENDERED
5-06-632	2	ANIMAL, SKIN FLESHINGS, ACID HYDROLYZED DRY RENDERED	ANIMAL, SKIN FLESHINGS, ACID HYDROLYZED RENDERED
5-08-094	3	ANIMAL, SKIN FLESHINGS, ACID HYDROLYZED WET RENDERED	ANIMAL, SKIN FLESHINGS, ACID HYDROLYZED RENDERED
4-30-154	4	HORSECHESTNUT, COMMON, MEATS WITH SHELLS, ALCOHOL EXTRACTED GROUND	HORSECHESTNUT, COMMON, MEATS WITH SHELLS, MEAL ALCOHOL EXTRACTED
4-24-799	5	BEET, SUGAR, PULP, AMMONIA EXTRACTED DEHYDRATED OR SUN-CURED	BEET, SUGAR, PULP, AMMONIA EXTRACTED DEHYDRATED
5-26-073	6	BEET, SUGAR, PULP, AMMONIATED DEHYDRATED	BEET, SUGAR, PULP AMMONIATED DEHYDRATED
4-07-876	7	GARBAGE, MUNICIPAL, BOILED DEHYDRATED GROUND	GARBAGE, MUNICIPAL, MEAL BOILED
4-29-623	8	BANANA, COMMON, BOILED DEHYDRATED OR SUN-CURED	BANANA, COMMON, BOILED DEHYDRATED
4-03-767	9	POTATO, TUBERS, BOILED ENSILED	POTATO, TUBERS, SILAGE BOILED
5-13-202	10	SESAME, SEEDS OIL RESIDUE, BOILED MECHANICAL EXTRACTED GROUND	SESAME, SEEDS, MEAL BOILED MECHANICAL EXTRACTED
5-13-203	11	COTTON, UPLAND, SEEDS OIL RESIDUE, BOILED PREPRESSED SOLVENT EXTRACTED GROUND	COTTON, UPLAND, SEEDS, MEAL BOILED PREPRESSED SOLVENT EXTRACTED
6-13-775	12	CATTLE, BONE OIL RESIDUE, BOILED SOLVENT EXTRACTED GROUND	CATTLE, BONE, MEAL BOILED SOLVENT EXTRACTED
5-01-172	13	CATTLE, SKIMMILK, CENTRIFUGED CONDENSED	CATTLE, SKIMMILK, CONDENSED
5-01-175	14	CATTLE, SKIMMILK, CENTRIFUGED DEHYDRATED	CATTLE, SKIMMILK, DEHYDRATED
5-23-657	15	CATTLE, SKIMMILK, CENTRIFUGED DEHYDRATED ON ROLLERS	CATTLE, SKIMMILK, DEHYDRATED ON ROLLERS
5-01-170	16	CATTLE, SKIMMILK, CENTRIFUGED FRESH	CATTLE, SKIMMILK, FRESH
5-23-682	17	CATTLE, SKIMMILK, CENTRIFUGED SPRAY DEHYDRATED	CATTLE, SKIMMILK, SPRAY DEHYDRATED
5-26-005	18	ANIMAL, BLOOD, CONVENTIONAL COOKER DEHYDRATED GROUND	ANIMAL, BLOOD, MEAL CONVENTIONAL COOKER DEHYDRATED
1-02-780	19	MAIZE, COBS, DEHYDRATED COARSE GROUND	MAIZE, COBS, COARSE GROUND
1-02-781	20	MAIZE, COBS, DEHYDRATED FINE GROUND	MAIZE, COBS, FINE GROUND
1-00-018	21	ALFALFA, AERIAL PART, DEHYDRATED GROUND, LATE VEGETATIVE	ALFALFA, MEAL, LATE VEGETATIVE
4-13-452	22	PEACH, FRUIT WITHOUT PITS, DEHYDRATED OR SUN-CURED	PEACH, FRUIT WITHOUT PITS, DEHYDRATED
4-06-951	23	BEET, COMMON, ROOTS, DEHYDRATED OR SUN-CURED GROUND	BEET, COMMON, ROOTS, MEAL
4-05-190	24	WHEAT, BRAN, DRY MILLED	WHEAT, BRAN
5-25-556	25	MAIZE, GERMS OIL RESIDUE, DRY MILLED MECHANICAL EXTRACTED GROUND, 4.1-8% FAT	MAIZE, GERMS, MEAL MECHANICAL EXTRACTED, 4.1-8% FAT
5-02-868	26	MAIZE, GERMS OIL RESIDUE, DRY MILLED SOLVENT EXTRACTED GROUND	MAIZE, GERMS, MEAL SOLVENT EXTRACTED
5-00-386	27	ANIMAL, CARCASS RESIDUE WITH BLOOD, DRY OR WET RENDERED	ANIMAL, TANKAGE, RENDERED
5-08-786	28	ANIMAL, BY-PRODUCT, DRY OR WET RENDERED GROUND	ANIMAL, BY-PRODUCT, MEAL RENDERED
5-04-791	29	SWINE, CRACKLINGS, DRY RENDERED	SWINE, CRACKLINGS
5-10-142	30	ANIMAL, CARCASS RESIDUE, DRY RENDERED GROUND, 40% PROTEIN	ANIMAL, MEAT, MEAL RENDERED, 40% PROTEIN
3-00-225	31	ALFALFA, AERIAL PART AIV PRESERVATIVE ADDED, ENSILED	ALFALFA, AERIAL PART AIV PESERVATIVE ADDED, SILAGE
3-26-647	32	OATS, STRAW, ENSILED AMMONIATED	OATS, STRAW, SILAGE AMMONIATED
3-13-793	33	SORGHUM, AERIAL PART, ENSILED DEHYDRATED	SORGHUM, SILAGE DEHYDRATED
4-10-447	34	CITRUS, POMACE, ENSILED DEHYDRATED OR SUN-CURED	CITRUS, POMACE, ENSILED DEHYDRATED

TABLE 4.4 (Cont.)

International Feed No.	Item No. From Table 4.3	International Feed Description	International Feed Name
3-08-812	35	ALFALFA, AERIAL PART, ENSILED DEHYDRATED PELLETED	ALFALFA, SILAGE DEHYDRATED PELLETED
5-06-170	36	STREPTOMYCIN, FERMENTATION SOLUBLES, EXTRACTED DEHYDRATED GROUND	STREPTOMYCIN, FERMENTATION SOLUBLES, MEAL EXTRACTED
5-24-061	37	FISH, COD, LIVERS OIL RESIDUE, EXTRACTION UNSPECIFIED GROUND	FISH, COD, LIVERS, MEAL EXTRACTION UNSPECIFIED
1-26-338	38	GRAPE, POMACE, FERMENTED DEHYDRATED OR SUN-CURED	GRAPE, POMACE, FERMENTED DEHYDRATED
5-26-006	39	ANIMAL, BLOOD, FLASH DEHYDRATED GROUND	ANIMAL, BLOOD, MEAL FLASH DEHYDRATED
1-14-457	40	LEADTREE, WHITEPOPINAC, LEAVES, FREEZE DEHYDRATED GROUND	LEADTREE, WHITEPOPINAC, LEAVES, MEAL FREEZE DEHYDRATED
5-01-177	41	CATTLE, WHEY ALBUMIN, HEAT AND ACID PRECIPITATED DEHYDRATED	CATTLE, WHEY ALBUMIN
5-03-795	42	POULTRY, FEATHERS, HYDROLYZED DEHYDRATED GROUND	POULTRY, FEATHERS, MEAL HYDROLYZED
4-02-885	43	MAIZE, STARCH PROCESS RESIDUE, MALTASE TREATED DEHYDRATED GROUND	MAIZE, STARCH PROCESS RESIDUE, MEAL MALTASE TREATED
4-25-116	44	BEET, SUGAR, PULP, MANUALLY EXTRACTED DEHYDRATED OR SUN-CURED	BEET, SUGAR, PULP, MANUALLY EXTRACTED DEHYDRATED
4-24-649	45	BEET, SUGAR, PULP, MANUALLY EXTRACTED ENSILED	BEET, SUGAR, PULP, SILAGE MANUALLY EXTRACTED
5-14-666	46	ADANSONIA, GRANDIDIERI, SEEDS OIL RESIDUE, MECHANICAL EXTRACTED GROUND	ADANSONIA, GRANDIDIERI, SEEDS, MEAL MECHANICAL EXTRACTED
5-01-571	47	COCONUT, MEATS OIL RESIDUE, MECHANICAL EXTRACTED STEAMED GROUND	COCONUT, MEATS, MEAL MECHANICAL EXTRACTED STEAMED
5-24-767	48	SOYBEAN, SEEDS OIL RESIDUE, MECHANICAL EXTRACTED TOASTED GROUND	SOYBEAN, SEEDS, MEAL MECHANICAL EXTRACTED TOASTED
4-26-631	49	APPLE, WILDCRAB, POMACE, CALCIUM HYDROXIDE ADDED, NEUTRALIZED DEHYDRATED OR SUN-CURED	APPLE, WILDCRAB, POMACE CALCIUM HYDROXIDE ADDED, NEUTRALIZED DEHYDRATED
4-06-786	50	BEET, SUGAR, ROOTS, PARTIALLY EXTRACTED DEHYDRATED OR SUN-CURED	BEET, SUGAR, ROOTS, PARTIALLY EXTRACTED DEHYDRATED
5-08-135	51	RAPE, SUMMER, SEEDS OIL RESIDUE, PREPRESSED SOLVENT EXTRACTED GROUND	RAPE, SUMMER, SEEDS, MEAL PREPRESSED SOLVENT EXTRACTED
4-29-021	52	BEET, SUGAR, PULP, PRESSED ENSILED, MORE THAN 28% DRY MATTER	BEET, SUGAR, PULP, SILAGE PRESSED, MORE THAN 28% DRY MATTER
1-04-700	53	SUGARCANE, BAGASSE, SCREENED DEHYDRATED OR SUN-CURED	SUGARCANE, BAGASSE, SCREENED DEHYDRATED
4-23-954	54	POTATO, TUBERS, SHREDDED DEHYDRATED OR SUN-CURED	POTATO, TUBERS, SHREDDED DEHYDRATED
5-09-352	55	COTTON, SEEDS OIL RESIDUE, SOLVENT EXTRACTED AMMONIATED GROUND	COTTON, SEEDS, MEAL SOLVENT EXTRACTED AMMONIATED
5-26-965	56	PEANUT, KERNELS WITH COATS OIL RESIDUE, SOLVENT EXTRACTED AUTOCLAVED GROUND	PEANUT, KERNELS WITH COATS, MEAL SOLVENT EXTRACTED AUTOCLAVED
5-25-599	57	AKEE, SEEDS OIL RESIDUE, SOLVENT EXTRACTED GROUND	AKEE, SEEDS, MEAL SOLVENT EXTRACTED
5-12-551	58	SOYBEAN, SEEDS OIL RESIDUE, SOLVENT EXTRACTED STEAMED GROUND	SOYBEAN, SEEDS, MEAL SOLVENT EXTRACTED STEAMED
5-04-607	59	SOYBEAN, SEEDS OIL RESIDUE, SOLVENT EXTRACTED TOASTED GROUND	SOYBEAN, SEEDS, MEAL SOLVENT EXTRACTED TOASTED
6-00-400	60	ANIMAL, BONE, STEAMED DEHYDRATED GROUND	ANIMAL, BONE, MEAL STEAMED
5-24-054	61	FISH, COD, WHOLE OR CUTTINGS OIL RESIDUE, SUN-CURED EXTRACTION UNSPECIFIED	FISH, COD, MEAL EXTRACTION UNSPECIFIED SUN-CURED
5-24-020	62	FISH, WHOLE OR CUTTINGS OIL RESIDUE, SUN-CURED MECHANICAL EXTRACTED GROUND	FISH, MEAL SUN-CURED MECHANICAL EXTRACTED
1-13-579	63	SUGARCANE, BAGASSE, TREATED WITH SODIUM HYDROXIDE DEHYDRATED OR SUN-CURED	SUGARCANE, BAGASSE, TREATED WITH SODIUM HYDROXIDE DEHYDRATED
3-22-128	64	BEET, COMMON, LEAVES, WASHED ENSILED	BEET, COMMON, LEAVES, SILAGE WASHED

TABLE 4.4 (Cont.)

International Feed No.	Item No. From Table 4.3	International Feed Description	International Feed Name
5-00-396	65	ANIMAL, LIVERS, WATER EXTRACTED DEHYDRATED GROUND	ANIMAL, LIVERS, MEAL WATER EXTRACTED
5-04-388	66	SORGHUM, GLUTEN, WET MILLED DEHYDRATED GROUND	SORGHUM, GLUTEN, MEAL
5-25-555	67	MAIZE, GERMS OIL RESIDUE, WET MILLED MECHANICAL EXTRACTED GROUND, 4.1-8% FAT	MAIZE, GERMS, MEAL MECHANICAL EXTRACTED, 4.1-8% FAT
5-02-898	68	MAIZE, GERMS WITHOUT SOLUBLES OIL RESIDUE, WET MILLED SOLVENT EXTRACTED GROUND	MAIZE, GERMS WITHOUT SOLUBLES, MEAL SOLVENT EXTRACTED
5-24-877	69	SWINE, CRACKLINGS, WET RENDERED	SWINE, CRACKLINGS, RENDERED
3-00-221	70	ALFALFA, AERIAL PART, WILTED ENSILED	ALFALFA, SILAGE WILTED

TABLE 5.1 Example Feeds With an Origin That Does Not Fit the International Feed Nomenclature

AAFCO Name	International Feed Number	International Feed Name
Animal Products		
Meat	5-00-394	Animal, meat, fresh
Dried Meal Solubles	5-00-393	Animal, meat solubles, dehydrated
Hydrolyzed Hair	5-08-997	Animal, hair, hydrolyzed
<p>Note: in the Animal Products Group, two feeds begin with animal i.e., Animal Liver and Animal By-Products Meal. To be consistent, ANIMAL was used as the origin term.</p>		
Poultry Products		
Poultry By-Product Meal	5-03-798	Poultry, by-product, meal rendered
Poultry Hatchery By-Product	5-03-796	Poultry, hatchery by-product, meal
Poultry By-Products	5-03-800	Poultry, viscera with feet with heads, fresh
Hydrolyzed Poultry Feathers	5-03-795	Poultry, feathers, hydrolyzed
Poultry	5-20-776	Poultry, meat, fresh
Hydrolyzed Poultry By-Products Aggregate	5-14-508	Poultry, viscera with feet with heads with feathers, hydrolyzed
Egg Shell Meal	6-26-004	Poultry, egg shells, meal
<p>Note: all of the Poultry Products have poultry in the name except Egg Shell Meal. To be consistent Poultry was put in front of Egg shell meal.</p>		
Brewers Products		
Brewers Dried Grains	5-00-516	Barley, brewers, grains, dehydrated
Malt Sprouts	5-00-545	Barley, malt sprouts, dehydrated
	5-04-048	Rye, malt sprouts, dehydrated
	5-29-796	Wheat, malt sprouts, dehydrated
Malt Cleanings	5-00-544	Barley, malt cleanings, dehydrated
Malt Hulls	1-00-497	Barley, malt, hulls
Dried Spent Hops	5-02-396	Hop, common, fruit, spent dehydrated
Brewers Wet Grains	5-00-517	Barley, brewers, grains, wet
Brewers Condensed Solubles	5-12-239	Barley, brewers solubles, condensed
Brewers Grains Meal	5-12-024	Barley, brewers, grains, meal
<p>Note: AAFCO states that the origin of the grain should be given for Malt Sprouts. Also, for Distillers Products which are similar to Brewers Products, the predominating grain should be stated. To be consistent, the name of the plant is used.</p>		

TABLE 5.1 (Cont.)

AAFCO Name	International Feed Number	International Feed Name
Fats and Oils		
Fat Product, Feed Grade	4-00-414	Animal-vegetable fat product
Note: All fats and oils have the name of the origin in the name except for Fat Product, Feed Grade.		
Flax Products		
Linseed Meal, Mechanical Extracted	5-30-287	Flax, seeds meal, mechanical extracted
Linseed Meal, Solvent Extracted	5-30-288	Flax, seeds meal, solvent extracted
Note: all feeds from the flax plant have the origin as FLAX except these two feeds.		
Maize (Corn Products)		
Hominy feed	4-02-887	Maize, grits by-product
Malto Dextrins	4-08-023	Maize, starch, heat hydrolyzed
Solvent Extracted Hominy Feed	4-08-025	Maize, hominy feed, solvent extracted
Note: since almost all countries except the United States and Canada use maize instead of corn, it was decided to use maize as the origin term. All other feeds except the three listed above have MAIZE (corn) in the name.		

TABLE 6.1 Facets, Elements, and Descriptors Which Portray the International Feed Description, International Feed Name, and Country Feed Names

Facet	Element		
No.	Tag		Descriptors ^b
<i>International Feed Description</i>			
1 Original material (origin)	025	Genus (first)	AVENA
	030	Species (first)	SATIVA
	035	Variety (first)	
	040	Genus (second)	
	045	Species (second)	
	050	Variety (second)	
	055	Genus (third)	
	060	Species (third)	
	065	Variety (third)	
	070	Genus (fourth)	
	075	Species (fourth)	
	080	Variety (fourth)	
	155	Generic (common) name	OATS
	156	for continuation of 155	
	157	for continuation of 156	
	158	for continuation of 157	
	185	Breed or kind	
186	for continuation of 185		
195	Strain or chemical formula		
196	for continuation of 195		
2 Part	215		CEREAL BY-PRODUCT
	216	for continuation of 215	
	217	for continuation of 216	
3 Process	245		
	246	for continuation of 245	
	247	for continuation of 246	
4 Maturity	275		
	276	for continuation of 275	
5 Cutting	300		

TABLE 6.1 (Cont.)

Facet No.	Element Tag		Descriptors ^b
6 Grade	325		LESS THAN 4% FIBER
	326 for continuation of 325		
	327 for continuation of 326		
<i>International Feed Name</i>			
	350	International Feed Name	Oats, cereal by-product, less than 4% fiber
	351 for continuation of 350		
	352 for continuation of 351		
	360	Alternate International Feed Name	Oats, cereal by-product; less than 4% fiber (Feeding oat meal) (Oat middlings)
	361 for continuation of 360		
	362 for continuation of 361		
	370	Alternate International Feed Name	
	371 for continuation of 370		
	372 for continuation of 371		
<i>Country Feed Names</i>			
	425	Country Feed Name (first)	Feeding oat meal (AAFCO USA)
	426 for continuation of 425		
	427 for continuation of 426		
	430	Country Feed Name (second)	
	431 for continuation of 430		
	432 for continuation of 431		
	435	Country Feed Name (third)	
	436 for continuation of 435		
	437 for continuation of 436		
	440-504 in groups of five as above	Country Feed Name (fourth-fifteenth)	

^aAdapted from Kearn et al. (1980).

^bFacets and descriptors pertain only to the International Feed Descriptions (elements 025 to 325).

INSTRUCTIONS FOR USING TABLE 6.2

The left hand column gives an alphabetical list of the International Feed Descriptions (see Section 2); a Scientific Name is given for each of the International Feed Descriptions. See Glossaries 6.2, 6.3 and 6.6 for definitions of the parts, processes and grades used.

If it is desired to find a Feed Description by the Scientific Name, see Table 6.1 to obtain the common origin name.

The right hand column gives the International Feed Name, the Scientific Name, Cross References, American Association of Feed Control Officials (AAFCO) Names and Country Feed Names. The International Feed Name begins with the common origin and includes the material after the dash (-) except the names. (Those with a plus (+) after them are Country Names. The International Feed Names begin with the name of the plant (Barley; Wheat) or the name of the animal (Cattle; Chicken; Sheep; Fish salmon). If the name of the plant is not known, the name begins with Vegetable; Marsh plants (see Section 2.4). If the name of the animal or bird is not known, the name begins with Animal or Poultry.

The Association of American Feed Control Officials Feed Names have (AAFCO) in parenthesis after the name.

International Feed Names should be used by regulatory, research, and extension agencies, scientific journals, teachers, county agents, consultants, government agencies, and producers of all countries. These names should be used in trade, feed composition tables (for textbooks), and in advisory literature.

Country feed names, except those for AAFCO, have an asterisk (*) or a plus (+) after the name. Most of these names do not begin with the origin or they do not conform to the International Nomenclature. These names are put in for information only, however, sometimes it may be desirable to use some of the names in feed composition tables (with data) along with the International Feed Names (with data) until the International Feed Names are accepted. See Sections 4 and 5.

Cross references refer the reader to the original material of the International Feed Description or the International Feed Name.

TABLE 6.2 File of International Feed Descriptions, International Feed Names and Country Feed Names Listed Alphabetically by (English) Common Names of the Original Material

International Feed Number ^a	International Feed Descriptions Cross References	International Feed Name Scientific Name Association of American Feed Control Officials (AAFCO) Names Country Feed Names Cross References
7-00-001	α-Tocopherol. -	α-Tocopherol (vitamin E). - supplement α-tocopherol (AAFCO)
1-00-006	Acacia, ACACIA SPP - pods, sun-cured	Acacia, ACACIA SPP - pods, sun-cured
2-00-009	Acacia, Prairie, ACACIA ANGUSTISSIMA - browse, fresh	Acacia, Prairie, ACACIA ANGUSTISSIMA - browse, fresh
5-09-110	Acacia, Sweet, ACACIA FARNESIANA - seeds	Acacia, Sweet, ACACIA FARNESIANA - seeds
	Acorns - see Oak	Acorns - see Oak
	Active Dry Yeast - see Yeast, Active	Active Dry Yeast - see Yeast, Active
	Adlay - see Jobstears	Adlay - see Jobstears
8-08-068	Aklomide. -	Aklomide. - Aklomide (AAFCO)
8-12-184	Aklomide Plus Sulfanitran. -	Aklomide Plus Sulfanitran. - Aklomide plus sulfanitran (AAFCO)
1-00-015	Alder, ALNUS SPP - leaves, sun-cured	Alder, ALNUS SPP - leaves, sun-cured
1-00-025	Alfalfa, MEDICAGO SATIVA - aerial part, dehydrated ground	Alfalfa, MEDICAGO SATIVA - meal dehydrated Dehydrated alfalfa meal (AAFCO)
1-00-021	- aerial part, dehydrated ground, 13% protein	- meal dehydrated, 13% protein Alfalfa meal dehydrated 13% protein (AAFCO)
1-00-022	- aerial part, dehydrated ground, 15% protein	- meal dehydrated, 15% protein Alfalfa meal dehydrated 15% protein (AAFCO)
1-00-023	- aerial part, dehydrated ground, 17% protein	- meal dehydrated, 17% protein Alfalfa meal dehydrated 17% protein (AAFCO)
1-30-297	- aerial part, dehydrated ground, 18% protein	- meal dehydrated, 18% protein Alfalfa meal dehydrated 18% protein (AAFCO)
1-00-024	- aerial part, dehydrated ground, 20% protein	- meal dehydrated, 20% protein Alfalfa meal dehydrated 20% protein (AAFCO)
1-07-851	- aerial part, dehydrated ground, 22% protein	- meal dehydrated, 22% protein Alfalfa meal dehydrated 22% protein (AAFCO)
3-00-212	- aerial part, ensiled	- silage
3-08-149	- aerial part, ensiled, less than 30% dry matter	- silage, less than 30% dry matter
3-08-150	- aerial part, ensiled, 30-50% dry matter	- silage, 30-50% dry matter
3-08-151	- aerial part, ensiled, more than 50% dry matter	- silage, more than 50% dry matter
3-08-812	- aerial part, ensiled dehydrated pelleted	- silage dehydrated pelleted Dehydrated silage (ensilage) pellets (AAFCO)
2-00-196	- aerial part, fresh	- fresh
2-00-177	- aerial part, fresh, early vegetative	- fresh, early vegetative
2-00-181	- aerial part, fresh, late vegetative	- fresh, late vegetative
2-00-184	- aerial part, fresh, early bloom	- fresh, early bloom
2-00-185	- aerial part, fresh, midbloom	- fresh, midbloom
2-00-188	- aerial part, fresh, full bloom	- fresh, full bloom
1-00-078	- aerial part, sun-cured	- hay, sun-cured
1-00-050	- aerial part, sun-cured, early vegetative	- hay, sun-cured, early vegetative
1-00-054	- aerial part, sun-cured, late vegetative	- hay, sun-cured, late vegetative
1-00-059	- aerial part, sun-cured, early bloom	- hay, sun-cured, early bloom
1-00-063	- aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom

TABLE 6.2 (Cont.)

Alfalfa (Cont.)		Alfalfa (Cont.)	
1-00-068	- aerial part, sun-cured, full bloom	- hay, sun-cured, full bloom	
1-20-681	- aerial part, sun-cured, late bloom	- hay, sun-cured, late bloom	
1-00-071	- aerial part, sun-cured, mature	- hay, sun-cured, mature	
1-00-103	- aerial part, sun-cured, brown	- hay, sun-cured, brown	
1-00-090	- aerial part, sun-cured, 13% protein	- hay, sun-cured, 13% protein	
1-00-095	- aerial part, sun-cured, 15% protein	Alfalfa hay sun-cured 13% protein (AAFCO)	
1-00-096	- aerial part, sun-cured, 17% protein	- hay, sun-cured, 15% protein	
1-30-293	- aerial part, sun-cured, 18% protein	Alfalfa hay sun-cured 15% protein (AAFCO)	
1-00-088	- aerial part, sun-cured, 20% protein	- hay, sun-cured, 17% protein	
1-30-295	- aerial part, sun-cured, 22% protein	Alfalfa hay sun-cured 17% protein (AAFCO)	
1-00-104	- aerial part, sun-cured chopped	- hay, sun-cured, 18% protein	
1-00-111	- aerial part, sun-cured ground	Alfalfa hay sun-cured 18% protein (AAFCO)	
1-00-112	- aerial part, sun-cured ground, 13% protein	- hay, sun-cured, 20% protein	
1-00-113	- aerial part, sun-cured ground, 15% protein	Alfalfa hay sun-cured 20% protein (AAFCO)	
1-00-114	- aerial part, sun-cured ground, 17% protein	- hay, sun-cured, 22% protein	
1-30-296	- aerial part, sun-cured ground, 18% protein	Alfalfa hay sun-cured 22% protein (AAFCO)	
1-00-116	- aerial part, sun-cured ground, 20% protein	- hay, sun-cured chopped	
1-00-117	- aerial part, sun-cured ground, 22% protein	Alfalfa hay sun-cured chopped (AAFCO)	
1-00-124	- aerial part, sun-cured pelleted	Chopped alfalfa hay (AAFCO)	
1-07-849	- aerial part, sun-cured pelleted, early bloom, cut 3	- hay, sun-cured ground	
1-00-130	- aerial part, sun-cured rained on	Sun-cured alfalfa meal (AAFCO)	
3-00-221	- aerial part, wilted ensiled	Ground alfalfa hay (AAFCO)	
3-00-215	- aerial part, wilted ensiled, late vegetative	- hay, sun-cured ground, 13% protein	
3-00-216	- aerial part, wilted ensiled, early bloom	Alfalfa hay sun-cured ground 13% protein (AAFCO)	
3-00-217	- aerial part, wilted ensiled, midbloom	- hay, sun-cured ground, 15% protein	
3-00-218	- aerial part, wilted ensiled, full bloom	Alfalfa hay sun-cured ground 15% protein (AAFCO)	
3-00-225	- aerial part aiv preservative added, ensiled	- hay, sun-cured ground, 17% protein	
3-08-850	- aerial part formic acid preservative added, ensiled	Alfalfa hay sun-cured ground 17% protein (AAFCO)	
3-00-226	- aerial part maize grain added, ensiled	- hay, sun-cured ground, 18% protein	
3-00-238	- aerial part molasse added, ensiled	Alfalfa hay sun-cured ground 18% protein (AAFCO)	
1-00-137	- leaves, dehydrated ground	- hay, sun-cured ground, 20% protein	
1-00-146	- leaves, sun-cured	Alfalfa hay sun-cured ground 20% protein (AAFCO)	
5-08-326	- seed screenings	- hay, sun-cured ground, 22% protein	
5-08-325	- seeds	Alfalfa hay sun-cured ground 22% protein (AAFCO)	
1-00-165	- stems, sun-cured ground	- hay, sun-cured pelleted	
1-08-323	- straw	- hay, sun-cured pelleted, early bloom, cut 3	
1-12-232	- straw, ground	- hay, sun-cured rained on	
		- silage wilted	
		- silage wilted, late vegetative	
		- silage wilted, early bloom	
		- silage wilted, midbloom	
		- silage wilted, full bloom	
		- aerial part aiv preservative added, silage	
		- aerial part formic acid preservative added, silage	
		- aerial part maize grain added, silage	
		- aerial part molasses added, silage	
		- leaves, meal	
		- leaves, sun-cured	
		- seed screenings	
		- seeds	
		- stems, sun-cured ground	
		- straw	
		- straw, ground	
		Ground alfalfa straw (AAFCO)	
2-08-328	Alfalfa-Brome. MEDICAGO SATIVA-BROMUS SPP - aerial part, fresh	Alfalfa-Brome. MEDICAGO SATIVA-BROMUS SPP - fresh	
3-00-268	Alfalfa-Brome, Smooth. MEDICAGO SATIVA-BROMUS INERMIS - aerial part, ensiled	Alfalfa-Brome, Smooth. MEDICAGO SATIVA-BROMUS INERMIS - silage	
3-08-146	- aerial part, ensiled, 30% dry matter	- silage, 30% dry matter	
3-08-147	- aerial part, ensiled, 30-50% dry matter	- silage, 30-50% dry matter	
3-08-148	- aerial part, ensiled, more than 50% dry matter	- silage, more than 50% dry matter	

TABLE 6.2 (Cont.)

Alfalfa-Brome, Smooth (Cont.)

- 2-00-262 - aerial part, fresh
- 1-00-255 - aerial part, sun-cured
- 3-00-269 - aerial part, wilted ensiled

Alfalfa-Grass. MEDICAGO SATIVA-GRASS

- 1-08-331 - aerial part, sun-cured

Alfalfa-Orchardgrass. MEDICAGO SATIVA-DACTYLIS GLOMERATA

- 3-08-145 - aerial part, ensiled, less than 30% dry matter
- 3-08-144 - aerial part, ensiled, 30-50% dry matter
- 3-08-143 - aerial part, ensiled, more than 50% dry matter
- 2-00-323 - aerial part, fresh
- 1-00-322 - aerial part, sun-cured

Alfalfa-Timothy. MEDICAGO SATIVA-PHLEUM PRATENSE

- 3-00-345 - aerial part, ensiled
- 2-08-574 - aerial part, fresh
- 1-00-330 - aerial part, sun-cured weathered

Alfileria, Redstem. ERODIUM CICUTARIUM

- 2-00-356 - aerial part, fresh
- 1-08-333 - aerial part, sun-cured

Algae. SPONGEOCOCCUM SPP

- 5-00-357 - whole, dehydrated ground

Algae, Green. SCENEDESMUS QUADRICAUDA

- 5-07-749 - whole, fan air dried

Alkali Sacaton. SPOROBOLUS AIROIDES

- 2-05-601 - aerial part, fresh, midbloom

Almond. PRUNUS AMYGDALUS

- 4-00-359 - hulls
- 4-00-358 - hulls, ground
- 1-07-754 - shells, ground

Alsike Clover - see Clover, Alsike

Alta Fescue - see Fescue, Alta

Aluminum, Sulfate.

- 6-20-861 - $AlSO_4$

Alyceclover. ALYSICARPUS VAGINALIS

- 2-00-362 - aerial part, fresh
- 1-00-361 - aerial part, sun-cured

Ammonium Chloride.

- 8-08-814 - NH_4Cl

Ammonia, Anhydrous.

- 5-14-511 -

Ammonium, Phosphate.

- 6-00-370 - dibasic, $(NH_4)_2HPO_4$
- 6-09-338 - monobasic, $(NH_4)H_2PO_4$

Alfalfa-Brome, Smooth (Cont.)

- fresh
- hay, sun-cured
- silage wilted

Alfalfa-Grass. MEDICAGO SATIVA-GRASS

- hay, sun-cured

Alfalfa-Orchardgrass. MEDICAGO SATIVA-DACTYLIS GLOMERATA

- silage, less than 30% dry matter
- silage, 30-50% dry matter
- silage, more than 50% dry matter
- fresh
- hay, sun-cured

Alfalfa-Timothy. MEDICAGO SATIVA-PHLEUM PRATENSE

- silage
- fresh
- hay, sun-cured weathered

Alfileria, Redstem. ERODIUM CICUTARIUM

- fresh
- Filaree (alfileria), fresh*
- hay, sun-cured
- Filaree (alfileria), hay, sun-cured*

Algae. SPONGEOCOCCUM SPP

- whole, meal
- Algae meal (AAFCO)

Algae, Green. SCENEDESMUS QUADRICAUDA

- whole, fan air dried

Alkali Sacaton. SPOROBOLUS AIROIDES

- fresh, midbloom
- Sacaton (alkali), fresh, midbloom*

Almond. PRUNUS AMYGDALUS

- hulls
- hulls, ground
- Ground almond hulls (AAFCO)
- shells, ground
- Ground almond shells (AAFCO)

Alsike Clover - see Clover, Alsike

Alta Fescue - see Fescue, Alta

Aluminum, Sulfate.

- $AlSO_4$
- Aluminum sulfate (AAFCO)

Alyceclover. ALYSICARPUS VAGINALIS

- fresh
- Clover, alyce, fresh*
- hay, sun-cured
- Clover, alyce, hay, sun-cured*

Ammonium Chloride.

- NH_4Cl
- Ammonium chloride (AAFCO)

Ammonia, Anhydrous.

-
- Anhydrous ammonia (AAFCO)

Ammonium, Phosphate.

- dibasic, $(NH_4)_2HPO_4$
- Diammonium phosphate (AAFCO)
- monobasic, $(NH_4)H_2PO_4$
- Mono ammonium phosphate (AAFCO)

TABLE 6.2 (Cont.)

6-08-042	Ammonium, Polyphosphate Solution. -	Ammonium, Polyphosphate Solution. -
6-26-401	- from furnaced phosphoric acid	Ammonium polyphosphate solution (AAFCO) - from furnaced phosphoric acid
6-09-339	Ammonium, Sulfate. - (NH ₄) ₂ SO ₄	Ammonium, Sulfate. - (NH ₄) ₂ SO ₄ Ammonium sulfate (AAFCO)
8-00-373	Amprolium. -	Amprolium. - Amprolium (AAFCO)
8-00-374	Amprolium-Ethopabate. -	Amprolium-Ethopabate. - Amprolium-ethopabate (AAFCO)
	Anhydrous Ammonia - see Ammonia, Anhydrous	Anhydrous Ammonia - see Ammonia, Anhydrous
	Animal.	Animal.
5-26-005	- blood, conventional cooker dehydrated ground	- blood, meal conventional cooker dehydrated Blood meal, conventional cooker dried (AAFCO)
5-00-380	- blood, dehydrated ground	- blood, meal Blood, meal*
5-26-006	- blood, flash dehydrated ground	- blood, meal flash dehydrated Blood meal, flash dried (AAFCO)
5-26-007	- blood, fresh	Blood, meal flash dehydrated*
5-00-381	- blood, spray dehydrated	- blood, fresh Blood protein (AAFCO)
6-00-401	- bone ash	- blood, spray dehydrated (blood flour) Spray dried animal blood (AAFCO)
6-00-402	- bone charcoal	Blood, spray dehydrated (blood flour)* Blood, flour*
6-00-404	- bone charcoal, spent	- bone ash Bone ash (AAFCO)
6-00-406	- bone phosphate, soft	- bone charcoal Bone charcoal (AAFCO)
6-00-397	- bone, dehydrated ground, more than 10% phosphorus	Bone, charcoal (bone black) (bone char)*
6-00-400	- bone, steamed dehydrated ground	- bone charcoal, spent Bone charcoal, spent (AAFCO)
5-03-786	- by-product, dry or wet rendered ground	Spent bone charcoal*
5-00-385	- carcass residue, dry rendered ground	- bone phosphate, soft Bone phosphate, soft (AAFCO)
5-00-386	- carcass residue with blood, dry or wet rendered ground	Bone, phosphate*
5-00-387	- carcass residue with blood with bone, dry or wet rendered ground	- bone, meal, more than 10% phosphorus Bone, meal feeding, more than 10% phosphorus*
5-00-388	- carcass residue with bone, dry rendered ground	- bone, meal steamed Bone meal, steamed (AAFCO)
5-06-935	- digest, condensed	- by-product, meal rendered Animal by-product meal (AAFCO)
4-00-376	- fat, hydrolyzed	- meat, meal rendered Meat meal (AAFCO)
4-00-377	- fatty acids of ethyl ester	Meat, meal rendered* - tankage, meal rendered Meat meal tankage (AAFCO) Meat, with blood, meal rendered (tankage)* - tankage with bone, meal rendered Meat and bone meal tankage (AAFCO) Meat, with blood with bone, meal rendered (tankage)* - meat with bone, meal rendered Meat and bone meal (AAFCO) Meat, with bone, meal rendered* - digest, condensed Animal digest (AAFCO) - fat, hydrolyzed Hydrolyzed animal fat, feed grade (AAFCO) Fats and oils, fat, animal, hydrolyzed* - fatty acids of ethyl ester Ethyl ester of animal fatty acids, feed grade (AAFCO)

TABLE 6.2 (Cont.)

Animal (Cont.)		Animal (Cont.)	
4-00-378	- fatty acids of methyl ester	- fatty acids of methyl ester	Methyl ester of animal fatty acids, feed grade (AAFCO)
4-00-379	- fatty acids of non-glyceride ester	- fatty acids of non-glyceride ester	Non-glyceride ester of animal fatty acids, feed grade (AAFCO)
5-12-247	- glands, dehydrated ground	- glands, meal	Glandular meal (AAFCO)
5-30-080	- glands, water extracted dehydrated ground	- glands, meal water extracted	Glandular meal and extracted glandular meal (AAFCO)
5-08-997	- hair, hydrolyzed	- hair, hydrolyzed	Hydrolyzed hair (AAFCO)
5-08-998	- leather, hydrolyzed dehydrated ground	- leather, meal hydrolyzed	Hydrolyzed leather meal (AAFCO)
5-00-389	- livers, dehydrated ground	- livers, meal	Animal liver (AAFCO)
5-00-394	- meat, fresh	Livers, meal*	
5-00-395	- meat by-products, fresh	- meat, fresh	Meat (AAFCO)
5-00-393	- meat solubles, dehydrated	Meat, fresh*	
1-09-327	- rumen contents, dehydrated	- meat by-products, fresh	Meat by-products (AAFCO)
5-08-094	- skin fleshings, acid hydrolyzed wet rendered	- meat solubles, dehydrated	Dried meat solubles (AAFCO)
7-00-408	- sterol, irradiated	Meat, solubles, dehydrated*	
4-08-127	- tallow	- rumen contents, dehydrated	Paunch product, dehydrated (AAFCO)
		Paunch product, dehydrated (rumen contents) (paunch meal)*	
		- skin fleshings, acid hydrolyzed rendered	Fleshings hydrolysate (AAFCO)
		- sterol, irradiated	D-activated animal sterol (AAFCO)
		- tallow	Fats and oils, tallow, animal*
			Tallow, animal*
	Animal-Poultry.	Animal-Poultry.	
4-00-409	- fat	- fat	Animal fat, feed grade (AAFCO)
			Fats and oils, fat, animal-poultry*
	Animal-Vegetable.	Animal-Vegetable.	
4-12-249	- fat	- fat	Animal and vegetable fat, feed grade (AAFCO)
4-28-210	- fat, blended	- fat, blended	Animal and vegetable fat, blend, feed grade (AAFCO)
4-30-036	- fat, hydrolyzed	- fat, hydrolyzed	Animal and vegetable hydrolyzed fat, feed grade (AAFCO)
4-00-414	- fat product	- fat product	Fat product, feed grade (AAFCO)
	Anise. PIMPINELLA ANISUM	Anise. PIMPINELLA ANISUM	
8-00-416	- seeds	- seeds	Aniseed (AAFCO)
4-00-415	- seeds oil residue, mechanical extracted ground	- seeds, meal mechanical extracted	
	Aniseed - see Anise	Aniseed - see Anise	
	Apple. MALUS SPP	Apple. MALUS SPP	
4-00-419	- fruit, ensiled	- fruit, silage	
4-00-421	- fruit, fresh	- fruit, fresh	
4-00-423	- pomace, dehydrated or sun-cured	- pomace, dehydrated	Dried apple pomace (AAFCO)
4-00-420	- pomace, ensiled	- pomace, silage	
4-00-424	- pomace, wet	- pomace, wet	
4-00-425	- pomace without pectin, dehydrated or sun-cured	- pomace without pectin, dehydrated (pectin pulp)	Dried apple pectin pulp (AAFCO)

TABLE 6.2 (Cont.)

Artichoke, Globe. CYNARA SCOLYMUS	Artichoke, Globe. CYNARA SCOLYMUS
2-00-429 - aerial part, fresh	- aerial part, fresh
4-00-430 - roots, ensiled	- roots, silage
4-08-341 - roots, fresh	- roots, fresh
Ascorbic Acid.	Ascorbic Acid (vitamin C).
7-00-433 - Crystalline	- Crystalline Ascorbic acid (AAFCO)
Ascorbyl Palmitate.	Ascorbyl Palmitate.
8-26-245 -	- Ascorbyl palmitate (AAFCO)
Ash. FRAXINUS SPP	Ash. FRAXINUS SPP
1-00-434 - leaves, sun-cured	- leaves, sun-cured
Asparagus, Garden. ASPARAGUS OFFICINALIS	Asparagus, Garden. ASPARAGUS OFFICINALIS
2-26-113 - aerial part, fresh	- fresh
1-00-437 - stem butts, dehydrated ground	- stem butts, meal
1-26-081 - stems, dehydrated	- stems, dehydrated (stalks)
Aspen. POPULUS SPP	Aspen. POPULUS SPP
1-12-241 - aerial part, ground	- aerial part, ground Ground whole aspen and/or parts (AAFCO)
Aspen, Quaking. POPULUS TREMULOIDES	Aspen, Quaking. POPULUS TREMULOIDES
2-00-442 - browse, fresh	- browse, fresh
1-00-439 - leaves, sun-cured	- leaves, sun-cured
1-26-075 - wood, boiled ground	- wood, boiled ground Wood, quaking aspen, cooked ground*
Aspen, Quaking-Aspen, Large-Toothed. POPULUS TREMULOIDES-POPULUS GRANDIDENTATA	Aspen, Quaking-Aspen, Large-Toothed. POPULUS TREMULOIDES-POPULUS GRANDIDENTATA
1-30-183 - aerial part, ground	- aerial part, ground Ground whole aspen and/or parts (AAFCO)
Aspirated Grain Fractions - see Cereals-Oil Seeds	Aspirated Grain Fractions - see Cereals-Oil Seeds
Atlas Sorghum - see Sorghum, Atlas	Atlas Sorghum - see Sorghum, Atlas
Attapulgitic Clay - see Clay, Attapulgitic	Attapulgitic Clay - see Clay, Attapulgitic
Avocado. PERSEA SPP	Avocado. PERSEA SPP
5-00-451 - seeds oil residue, solvent extracted ground	- seeds, meal solvent extracted
Babassu. ORBIGNYA SPP	Babassu. ORBIGNYA SPP
5-00-454 - kernels with coats oil residue, mechanical extracted ground	- kernels with coats, meal mechanical extracted (babassu oil meal)
5-00-455 - kernels with coats oil residue, solvent extracted ground	- kernels with coats, meal solvent extracted (babassu oil meal)
Bacitracin.	Bacitracin.
8-00-456 -	- Bacitracin (AAFCO)
Bacitracin, Manganese.	Bacitracin, Manganese.
8-00-457 -	- Manganese bacitracin (AAFCO)
Bacitracin, Methylene Disalicylate.	Bacitracin, Methylene Disalicylate.
8-00-458 -	- Bacitracin methylene disalicylate (AAFCO)
Bacitracin, Zinc.	Bacitracin, Zinc.
8-00-459 -	- Zinc bacitracin (AAFCO)
Bagasse - see Maize; Sugarcane	Bagasse - see Maize; Sugarcane
Bahiagrass. PASPALUM NOTATUM	Bahiagrass. PASPALUM NOTATUM
2-00-464 - aerial part, fresh	- fresh
1-00-462 - aerial part, sun-cured	- hay, sun-cured
1-06-137 - aerial part, sun-cured, early vegetative	- hay, sun-cured, early vegetative
1-20-787 - aerial part, sun-cured, late vegetative	- hay, sun-cured, late vegetative

TABLE 6.2 (Cont.)

Bahiagrass (Cont.)	Bahiagrass (Cont.)
1-06-138 - aerial part, sun-cured, early bloom	- hay, sun-cured, early bloom
1-00-461 - aerial part, sun-cured, mature	- hay, sun-cured, mature
Bakery.	Bakery.
4-00-466 - waste, dehydrated	- waste, dehydrated (dried bakery waste)
	Dried bakery product (AAFCO)
Ball Clay - see Clay, Ball	Ball Clay - see Clay, Ball
Balsamroot, Arrowleaf. BALSAMORHIZA SAGITTATA	Balsamroot, Arrowleaf. BALSAMORHIZA SAGITTATA
2-00-479 - aerial part, fresh	- fresh
Bambermycins.	Bambermycins.
8-14-010 -	-
	Bambermycins (AAFCO)
Banana. MUSA SPP	Banana. MUSA SPP
2-00-483 - aerial part, fresh	- fresh
4-00-484 - fruit, dehydrated or sun-cured	- fruit, dehydrated
1-00-482 - leaves without petioles without veins, dehydrated ground	- leaves without petioles without veins, meal
4-00-486 - peelings, dehydrated or sun-cured	- peelings, dehydrated
Barley. HORDEUM VULGARE	Barley. HORDEUM VULGARE
3-00-512 - aerial part, ensiled	- silage
2-00-511 - aerial part, fresh	- fresh
1-00-495 - aerial part, sun-cured	- hay, sun-cured
5-00-516 - brewers grains, dehydrated	- brewers grains, dehydrated
	Barley brewers dried grains (AAFCO)
5-12-024 - brewers grains, dehydrated ground	- brewers grains, meal
	Barley brewers grains meal (AAFCO)
5-00-517 - brewers grains, wet	- brewers grains, wet
	Barley brewers wet grains (AAFCO)
5-12-239 - brewers solubles, condensed	- brewers solubles, condensed
	Barley brewers condensed solubles (AAFCO)
5-00-518 - distillers grains, dehydrated	- distillers grains, dehydrated
	Barley distillers dried grains (AAFCO)
5-12-185 - distillers grains with solubles, dehydrated	- distillers grains with solubles, dehydrated
	Barley distillers dried grains with solubles (AAFCO)
5-12-210 - distillers solubles, condensed	- distillers solubles, condensed
	Barley condensed distillers solubles (AAFCO)
5-00-520 - distillers solubles, dehydrated	- distillers solubles, dehydrated
	Barley distillers dried solubles (AAFCO)
4-00-549 - grain	- grain
	Barley (AAFCO)
4-00-535 - grain, grade 1 60.5 kg/hl	- grain, grade 1 60.5 kg/hl (47 lb/bushel)
4-00-566 - grain, light less than 46.3 kg/hl	- grain, light less than 46.3 kg/hl (36 lb/bushel)
4-07-939 - grain, Pacific Coast	- grain, Pacific Coast
4-00-542 - grain screenings	- screenings
	Barley grain screenings (AAFCO)
1-00-496 - hulls	- hulls
	Barley hulls (AAFCO)
5-00-544 - malt cleanings, dehydrated	- malt cleanings, dehydrated
	Malt cleanings (AAFCO)
1-00-497 - malt hulls	- malt hulls
	Malt hulls (AAFCO)
5-00-545 - malt sprouts, dehydrated	- malt sprouts, dehydrated
	Malt sprouts (AAFCO)
	Malt, sprouts, dehydrated (barley)*
4-00-523 - mill run	- mill run (barley mixed feed) (barley mill by-product)
	Barley mill by-product (AAFCO)
4-00-548 - pearl by-product	- pearl by-product (barley feed)
	Pearl barley by-product (AAFCO)
1-00-498 - straw	- straw
Barleygrass. HORDEUM LEPORINUM	Barleygrass. HORDEUM LEPORINUM
2-07-758 - aerial part, fresh	- fresh

TABLE 6.2 (Cont.)

2-03-108	Barnyardgrass. ECHINOCHLOA CRUSGALLI - aerial part, fresh		Barnyardgrass. ECHINOCHLOA CRUSGALLI - fresh Millet, Japanese (barnyardgrass), fresh*
1-03-105	- aerial part, sun-cured		- hay, sun-cured Millet, Japanese (barnyardgrass), hay, sun-cured*
3-26-066	Barnyardgrass-Soybean. ECHINOCHLOA CRUSGALLI -GLYCINE MAX - aerial part, ensiled		Barnyardgrass-Soybean. ECHINOCHLOA CRUSGALLI -GLYCINE MAX - silage Millet, japanese-soybean, silage (barnyardgrass-soybean)* Japanesemillet-soybean, silage (barnyardgrass -soybean)*
1-00-582	Bean. PHASEOLUS SPP - aerial part, dehydrated ground		Bean. PHASEOLUS SPP - meal dehydrated
1-00-583	- aerial part, sun-cured		- hay, sun-cured
5-00-594	- seeds		- seeds Dried beans (AAFCO)
1-00-585	- straw		- straw
5-00-600	Bean, Kidney. PHASEOLUS VULGARIS - seeds		Bean, Kidney. PHASEOLUS VULGARIS - seeds Dried kidney beans (AAFCO)
3-00-610	Bean, Lima. PHASEOLUS LIMENSIS - aerial part, ensiled		Bean, Lima. PHASEOLUS LIMENSIS - silage
2-00-607	- pods, fresh		- pods, fresh Lima bean, pods, fresh*
5-00-613	- seeds		- seeds
3-00-620	Bean, Mung. PHASEOLUS AUREUS - aerial part, ensiled		Bean, Mung. PHASEOLUS AUREUS - silage Mung bean, silage*
2-00-619	- aerial part, fresh		- fresh Mung bean, vines, fresh*
1-00-616	- aerial part, sun-cured		- hay, sun-cured
5-08-185	- seeds		- seeds
1-08-346	Bean, Navy. PHASEOLUS VULGARIS - pods, sun-cured		Bean, Navy. PHASEOLUS VULGARIS - pods, sun-cured (beans, field) Beans, field, pods*
5-00-623	- seeds		- seeds Dried navy beans (AAFCO) Navy bean, seeds* Beans, field, seeds*
5-00-624	Bean, Pinto. PHASEOLUS VULGARIS - seeds		Bean, Pinto. PHASEOLUS VULGARIS - seeds Dried pinto beans (AAFCO)
1-08-348	Bean, Tepary. PHASEOLUS ACUTIFOLIUS LATIFOLIUS - aerial part, sun-cured		Bean, Tepary. PHASEOLUS ACUTIFOLIUS LATIFOLIUS - hay, sun-cured
5-08-349	- seeds		- seeds
2-08-561	Beargrass. YUCCA SMALLIANA - aerial part, fresh		Beargrass. YUCCA SMALLIANA - fresh
1-08-560	- aerial part, sun-cured		- hay, sun-cured
4-00-630	Beech. FAGUS SPP - fruit oil residue, mechanical extracted ground		Beech. FAGUS SPP - fruit, meal mechanical extracted
4-08-350	Beet, Common, Red. BETA VULGARIS CRASSA - roots, fresh		Beet, Common, Red. BETA VULGARIS CRASSA - roots, fresh
3-00-635	Beet, Mangel. BETA VULGARIS MACRORRHIZA - aerial part with crowns, ensiled		Beet, Mangel. BETA VULGARIS MACRORRHIZA - aerial part with crowns, silage Mangels, aerial part with crowns, silage*
2-00-632	- aerial part with crowns, fresh		- aerial part with crowns, fresh Mangels, aerial part with crowns, fresh*
4-00-636	- roots, ensiled		- roots, silage Mangels, roots, silage*

TABLE 6.2 (Cont.)

Beet, Mangel (Cont.)	Beet, Mangel (Cont.)
4-00-637 - roots, fresh	- roots, fresh Mangels (beet), roots, fresh*
Beet, Sugar. BETA VULGARIS ALTISSIMA	Beet, Sugar. BETA VULGARIS ALTISSIMA
1-00-640 - aerial part with crowns, dehydrated	- aerial part with crowns, dehydrated Sugar beet, aerial part with crowns, dehydrated*
3-00-660 - aerial part with crowns, ensiled	- aerial part with crowns, silage Sugar beet, aerial part with crowns, silage*
2-00-649 - aerial part with crowns, fresh	- aerial part with crowns, fresh
1-00-643 - hulls	- hulls Sugar beet, hulls*
1-00-641 - leaves, sun-cured	- leaves, sun-cured Sugar beet, leaves, sun-cured*
4-30-289 - molasses	- molasses Beet molasses (AAFCO)
4-08-351 - molasses, steffens	- molasses, steffens Molasses and syrup, beet, sugar, molasses, steffens*
4-00-668 - molasses, more than 48% invert sugar more than 79.5 degrees brix	- molasses, more than 48% invert sugar more than 79.5 degrees brix Molasses and syrup, beet, sugar, molasses, more than 48% invert sugar more than 79.5 degrees brix*
5-26-073 - pulp, ammoniated dehydrated or sun-cured	- pulp, ammoniated dehydrated
4-00-669 - pulp, dehydrated or sun-cured	- pulp, dehydrated Beet pulp, dried plain (AAFCO)
4-00-662 - pulp, ensiled	- pulp, silage Sugar beet, pulp, silage*
4-00-671 - pulp, wet	- pulp, wet
4-00-672 - pulp with molasses, dehydrated or sun-cured	- pulp with molasses, dehydrated Beet pulp, dried molasses (AAFCO)
4-20-866 - pulp with molasses, dehydrated or sun-cured, more than 45% invert sugar	- pulp with molasses, dehydrated, more than 45% invert sugar Beet molasses, dried product (AAFCO)
4-00-675 - pulp with steffens filtrate, dehydrated or sun-cured	- pulp with steffens filtrate, dehydrated Beet pulp, dried product (AAFCO)
4-00-665 - roots, ensiled	- roots, silage Sugar beet, roots, silage*
4-00-677 - roots, fresh	- roots, fresh
5-00-679 - steffens filtrate, condensed	- steffens filtrate, condensed Concentrated steffens filtrate (AAFCO)
Beggarweed, Cherokee. DESMODIUM TORTUOSUM	Beggarweed, Cherokee. DESMODIUM TORTUOSUM
2-08-541 - aerial part, fresh	- fresh Beggarweed (tickclover), fresh*
1-08-540 - aerial part, sun-cured	- hay, sun-cured Beggarweed (tickclover, cherokee), hay, sun-cured*
Bentgrass, Colonial. AGROSTIS TENUIS	Bentgrass, Colonial. AGROSTIS TENUIS
2-00-687 - aerial part, fresh	- fresh
1-00-684 - aerial part, sun-cured	- hay, sun-cured
Bentgrass, Creeping. AGROSTIS PALUSTRIS	Bentgrass, Creeping. AGROSTIS PALUSTRIS
1-00-688 - aerial part, sun-cured, post ripe	- hay, sun-cured, post ripe
Bentonite.	Bentonite.
8-00-695 -	- Bentonite (AAFCO)
Benzoic Acid.	Benzoic Acid.
8-26-244 -	- Benzoic acid (AAFCO)
Bermudagrass. CYNODON DACTYLON	Bermudagrass. CYNODON DACTYLON
2-00-712 - aerial part, fresh	- fresh
1-00-703 - aerial part, sun-cured	- hay, sun-cured

TABLE 6.2 (Cont.)

	Bermudagrass, Coastal. CYNODON DACTYLON		Bermudagrass, Coastal. CYNODON DACTYLON
1-10-609	- aerial part, dehydrated ground		- meal dehydrated Dehydrated coastal bermudagrass meal (AAFCO)
2-00-719	- aerial part, fresh		- fresh
1-00-716	- aerial part, sun-cured		- hay, sun-cured Coastal bermuda grass hay (AAFCO)
1-09-207	- aerial part, sun-cured, 15 to 28 days' growth		- hay, sun-cured, 15 to 28 days' growth
1-09-209	- aerial part, sun-cured, 29 to 42 days' growth		- hay, sun-cured, 29 to 42 days' growth
1-09-210	- aerial part, sun-cured, 43 to 56 days' growth		- hay, sun-cured, 43 to 56 days' growth
1-00-713	- aerial part, sun-cured, early vegetative		- hay, sun-cured, early vegetative
1-20-900	- aerial part, sun-cured, late vegetative		- hay, sun-cured, late vegetative
3-09-097	- aerial part, wilted ensiled		- silage wilted
	Bermudagrass, Coastcross. CYNODON DACTYLON		Bermudagrass, Coastcross. CYNODON DACTYLON
1-28-254	- aerial part, sun-cured		- hay, sun-cured
	Bermudagrass, Midland. CYNODON DACTYLON		Bermudagrass, Midland. CYNODON DACTYLON
1-06-139	- aerial part, sun-cured, 15 to 28 days' growth		- hay, sun-cured, 15 to 28 days' growth
1-06-140	- aerial part, sun-cured, 29 to 42 days' growth		- hay, sun-cured, 29 to 42 days' growth
	Berseem - see Clover (Egyptian)		Berseem - see Clover (Egyptian)
	Betaine, Hydrochloride.		Betaine, Hydrochloride.
7-00-722	- Crystalline		- Crystalline Betaine hydrochloride (AAFCO)
	Biotin.		Biotin.
7-00-723	-		- Biotin (AAFCO)
	Birch, Sweet. BETULA LENTA		Birch, Sweet. BETULA LENTA
2-00-724	- browse, fresh, early vegetative		- browse, fresh, early vegetative
	Birdsfoot Trefoil - see Trefoil, Birdsfoot		Birdsfoot Trefoil - see Trefoil, Birdsfoot
	Bitterbrush, Antelope. PURSHIA TRIDENTATA		Bitterbrush, Antelope. PURSHIA TRIDENTATA
2-00-732	- browse, fresh		- browse, fresh
	Biuret.		Biuret.
5-09-824	-		- Biuret (AAFCO)
	Black Sage - see Sage, Black		Black Sage - see Sage, Black
	Blackgrass - see Rush, Saltmeadow		Blackgrass - see Rush, Saltmeadow
	Blood - see Animal		Blood - see Animal
	Blood (animal).		Blood (animal).
5-26-005	- conventional cooker dehydrated ground+		- meal conventional cooker dehydrated+ Blood meal conventional cooker dried (AAFCO)
5-00-380	- dehydrated ground+		- meal+
5-26-006	- flash dehydrated ground+		- meal flash dehydrated+ Blood meal, flash dried (AAFCO)
5-26-007	- fresh+		- fresh+
5-00-381	- spray dehydrated+		Blood protein (AAFCO) - spray dehydrated (blood flour)+ Spray dried animal blood (AAFCO)
	Bluebell. MERTENSIA SPP		Bluebell. MERTENSIA SPP
2-00-739	- aerial part, fresh		- fresh
	Bluegrass. POA SPP		Bluegrass. POA SPP
1-12-233	- straw, ground		- straw, ground Ground bluegrass straw (AAFCO)
	Bluegrass, Canada. POA COMPRESSA		Bluegrass, Canada. POA COMPRESSA
2-00-764	- aerial part, fresh		- fresh Canada bluegrass, fresh*
2-00-763	- aerial part, fresh, early vegetative		- fresh, early vegetative Canada bluegrass, fresh, early vegetative*
1-00-762	- aerial part, sun-cured		- hay, sun-cured Canada bluegrass, hay, sun-cured*
1-20-889	- aerial part, sun-cured, late vegetative		- hay, sun-cured, late vegetative

TABLE 6.2 (Cont.)

1-00-767	Bluegrass, Fowl. POA PALUSTRIS - aerial part, sun-cured		Bluegrass, Fowl. POA PALUSTRIS - hay, sun-cured Fowl meadow grass (bluegrass, fowl), hay, sun-cured*
3-00-788	Bluegrass, Kentucky. POA PRATENSIS - aerial part, ensiled, early bloom		Bluegrass, Kentucky. POA PRATENSIS - silage, early bloom
2-00-786	- aerial part, fresh		- fresh
2-00-777	- aerial part, fresh, early vegetative		- fresh, early vegetative
2-00-779	- aerial part, fresh, early bloom		Kentucky bluegrass, fresh, early vegetative*
2-00-782	- aerial part, fresh, milk stage		- fresh, early bloom
2-00-784	- aerial part, fresh, mature		Kentucky bluegrass, fresh, early bloom*
1-00-776	- aerial part, sun-cured		- fresh, milk stage
1-05-681	- aerial part, sun-cured, early bloom		Kentucky bluegrass, fresh, milk stage*
1-00-772	- aerial part, sun-cured, full bloom		- fresh, mature
1-00-774	- aerial part, sun-cured, mature		- hay, sun-cured
			Kentucky bluegrass, hay, sun-cured*
			- hay, sun-cured, early bloom
			Kentucky bluegrass, hay, sun-cured, early bloom*
			- hay, sun-cured, full bloom
			- hay, sun-cured, mature
			Kentucky bluegrass, hay, sun-cured, mature*
2-00-794	Bluegrass, Mutton. POA FENDLERIANA - aerial part, fresh		Bluegrass, Mutton. POA FENDLERIANA - fresh
3-08-357	Bluegrass-Clover, White. POA SPP-TRIFOLIUM REPENS - aerial part molasses added, ensiled		Bluegrass-Clover, White. POA SPP-TRIFOLIUM REPENS - aerial part molasses added, silage
2-08-356	Bluegrass, Kentucky-Clover, White. POA PRATENSIS-TRIFOLIUM REPENS - aerial part, fresh		Bluegrass, Kentucky-Clover, White. POA PRATENSIS-TRIFOLIUM REPENS - fresh
	Bluejoint Reedgrass - see Reedgrass, Bluejoint		Bluejoint Reedgrass - see Reedgrass, Bluejoint
2-00-821	Bluestem. ANDROPOGON SPP - aerial part, fresh, early vegetative		Bluestem. ANDROPOGON SPP - fresh, early vegetative
2-00-825	- aerial part, fresh, mature		- fresh, mature
1-00-819	- aerial part, sun-cured		- hay, sun-cured
	Bone - see Animal		Bone - see Animal
6-00-401	Bone (animal). - ash+		Bone (animal). - ash+
6-00-402	- charcoal+		Bone ash (AAFCO)
6-00-404	- charcoal, spent+		- charcoal+
6-00-406	- phosphate, soft+		Bone charcoal (AAFCO)
6-00-397	- dehydrated ground, more than 10% phosphorous+		- charcoal, spent+
6-00-400	- steamed dehydrated ground+		Bone charcoal, spent (AAFCO)
			- phosphate, soft+
			Bone phosphate, soft (AAFCO)
			- meal, more than 10% phosphorous+
			- meal, steamed+
			Bone meal, steamed (AAFCO)
	Brewers Grains - see Barley; Cereals		Brewers Grains - see Barley; Cereals
	Brewers Liquid Yeast - see Yeast, Brewers		Brewers Liquid Yeast - see Yeast, Brewers
2-00-876	Bristlegrass. SETARIA SPP - aerial part, fresh		Bristlegrass. SETARIA SPP - fresh
4-08-186	Broccoli. BRASSICA OLERACEA ITALICA - stems with heads, fresh, early vegetative		Broccoli. BRASSICA OLERACEA ITALICA - stems with heads, fresh, early vegetative
2-00-900	Brome. BROMUS SPP - aerial part, fresh		Brome. BROMUS SPP - fresh
2-00-892	- aerial part, fresh, early vegetative		- fresh, early vegetative
2-00-898	- aerial part, fresh, mature		- fresh, mature
1-00-890	- aerial part, sun-cured		- hay, sun-cured
1-00-887	- aerial part, sun-cured, late vegetative		- hay, sun-cured, late vegetative
1-00-888	- aerial part, sun-cured, late bloom		- hay, sun-cured, late bloom
1-00-889	- aerial part, sun-cured, mature		- hay, sun-cured, mature

TABLE 6.2 (Cont.)

2-00-908	Brome, Cheatgrass. BROMUS TECTORUM - aerial part, fresh, early vegetative		Brome, Cheatgrass. BROMUS TECTORUM - fresh, early vegetative Cheatgrass (brome), fresh, early vegetative*
2-00-910	- aerial part, fresh, dough stage		- fresh, dough stage
2-00-911	- aerial part, fresh, mature		- fresh, mature Cheatgrass (brome), fresh, mature*
4-08-360	Brome, Chess. BROMUS SECALINUS - seeds		Brome, Chess. BROMUS SECALINUS - seeds
2-08-361	Brome, Rescue. BROMUS CATHARTICUS - aerial part, fresh		Brome, Rescue. BROMUS CATHARTICUS - fresh Rescuegrass (brome, rescue), fresh*
1-00-931	- aerial part, sun-cured		- hay, sun-cured Rescue brome, hay, sun-cured*
2-00-963	Brome, Smooth. BROMUS INERMIS - aerial part, fresh		Brome, Smooth. BROMUS INERMIS - fresh Smooth brome, fresh*
2-00-956	- aerial part, fresh, early vegetative		- fresh, early vegetative
2-08-364	- aerial part, fresh, mature		- fresh, mature Smooth brome, fresh, mature*
1-00-947	- aerial part, sun-cured		- hay, sun-cured
1-05-633	- aerial part, sun-cured, midbloom		- hay, sun-cured, midbloom
1-00-944	- aerial part, sun-cured, mature		- hay, sun-cured, mature
	Broomcorn - see Millet, Proso		Broomcorn - see Millet, Proso
4-08-187	Brussels Sprouts. BRASSICA OLERACEA GEMMIFERA - heads, fresh		Brussels Sprouts. BRASSICA OLERACEA GEMMIFERA - heads, fresh
5-12-237	Buckwheat. FAGOPYRUM SPP - flour by-product without hulls		Buckwheat. FAGOPYRUM SPP - flour by-product without hulls (buckwheat middlings) Buckwheat middlings (AAFCO)
1-12-238	- hulls		- hulls Buckwheat hulls (AAFCO)
2-00-989	Buckwheat, Common. FAGOPYRUM SAGITTATUM - aerial part, fresh		Buckwheat, Common. FAGOPYRUM SAGITTATUM - fresh
5-00-991	- flour by-product without hulls		- flour by-product without hulls
4-00-994	- grain		- grain
1-08-003	- grain hulls added, less than 22% fiber		- grain hulls added, less than 22% fiber
1-08-002	- grain hulls added, more than 30% fiber		- grain hulls added, more than 30% fiber
1-00-987	- hulls		- hulls
1-00-988	- straw		- straw
2-01-010	Buffalograss. BUCHLOE DACTYLOIDES - aerial part, fresh		Buffalograss. BUCHLOE DACTYLOIDES - fresh
1-01-003	- aerial part, sun-cured		- hay, sun-cured
2-10-253	Buffelgrass. CENCHRUS CILIARIS - aerial part, fresh, late vegetative		Buffelgrass. CENCHRUS CILIARIS - fresh, late vegetative
2-01-024	Bundleflower, Rayado. DESMANTHUS VIRGATUS - aerial part, fresh		Bundleflower, Rayado. DESMANTHUS VIRGATUS - fresh Desmanthus (dwarf koa) (bundleflower), fresh* Dwarf koa (bundleflower) (desmanthus), fresh*
8-08-103	Buquinolate. -		Buquinolate. - Buquinolate (AAFCO)
2-01-035	Burclover, Toothed. MEDICAGO HISPIDA - aerial part, fresh		Burclover, Toothed. MEDICAGO HISPIDA - fresh
1-01-030	- aerial part, sun-cured		- hay, sun-cured
2-01-040	Burrograss. SCLEROPOGON BREVIFOLIUS - aerial part, fresh		Burrograss. SCLEROPOGON BREVIFOLIUS - fresh
	Buttermilk - see Cattle		Buttermilk - see Cattle

TABLE 6.2 (Cont.)

	Buttermilk (cattle).		Buttermilk (cattle).
5-01-159	- condensed+		- condensed+
			Condensed buttermilk (AAFCO)
5-01-160	- dehydrated+		- dehydrated+
			Dried buttermilk, feed grade (AAFCO)
	Butylated Hydroxyanisole.		Butylated Hydroxyanisole (BHA).
8-01-044	-		-
			Butylated hydroxyanisole (BHA) (AAFCO)
	Butylated Hydroxytoluene.		Butylated Hydroxytoluene (BHT).
8-01-045	-		-
			Butylated hydroxytoluene (BHT) (AAFCO)
	Cabbage. BRASSICA OLERACEA CAPITATA		Cabbage. BRASSICA OLERACEA CAPITATA
4-01-046	- aerial part, fresh		- fresh
2-01-047	- outside leaves, fresh		- outside leaves, fresh
	Cacao. THEOBROMA CACAO		Cacao. THEOBROMA CACAO
1-08-387	- pods, sun-cured		- pods, sun-cured
			Cocoa (cacao), pods, sun-cured*
1-01-053	- seed coats		- seed coats
			Cocoa (cacao), shells*
5-01-569	- seeds		- seeds
			Cocoa (cacao), seeds*
	Cactus Cane - see Cholla Mexicalii		Cactus Cane - see Cholla Mexicalii
	Cactus, Pricklypear - see Pricklypear		Cactus, Pricklypear - see Pricklypear
	Calcite.		Calcite.
6-01-067	- ground		- ground
			Calcite (AAFCO)
	Calcium, Carbonate.		Calcium, Carbonate.
6-01-069	- CaCO ₃		- CaCO ₃
			Calcium carbonate (AAFCO)
6-01-071	- CaCO ₃ , precipitated		- CaCO ₃ , precipitated
			Calcium carbonate, precipitated (AAFCO)
	Calcium, Chloride.		Calcium, Chloride.
6-20-774	- CaCl ₂		- CaCl ₂
			Calcium chloride (AAFCO)
	Calcium, Gluconate.		Calcium, Gluconate.
6-01-073	- monohydrate, Ca(C ₆ H ₁₁ O ₇) ₂ ·H ₂ O		- monohydrate, Ca(C ₆ H ₁₁ O ₇) ₂ ·H ₂ O
			Calcium gluconate (AAFCO)
	Calcium, Hydroxide.		Calcium, Hydroxide.
6-14-014	- Ca(OH) ₂		- Ca(OH) ₂
			Calcium hydroxide (AAFCO)
	Calcium, Iodate.		Calcium, Iodate.
6-01-075	- Ca(IO ₃) ₂		- Ca(IO ₃) ₂
			Calcium iodate (AAFCO)
	Calcium, Iodobehenate.		Calcium, Iodobehenate.
6-01-077	- Ca(C ₂₁ H ₄₂ IO ₂) ₂		- Ca(C ₂₁ H ₄₂ IO ₂) ₂
			Calcium iodobehenate (AAFCO)
	Calcium, Oxide.		Calcium, Oxide.
6-14-003	- CaO		- CaO
			Calcium oxide (AAFCO)
	Calcium, Pantothenate, Crystalline.		Calcium, Pantothenate, Crystalline.
7-01-079	- Crystalline		- Crystalline
			Calcium pantothenate (AAFCO)
	Calcium, Periodate.		Calcium, Periodate.
6-09-335	- Ca ₅ (IO ₆) ₂		- Ca ₅ (IO ₆) ₂
			Calcium periodate (AAFCO)

TABLE 6.2 (Cont.)

	Calcium, Phosphate.		Calcium, Phosphate.
6-12-311	-		-
6-01-080	- dibasic, from defluorinated phosphoric acid		Calcium phosphate (AAFCO)
6-26-335	- dibasic, from furnaced phosphoric acid		- dibasic, from defluorinated phosphoric acid
6-01-082	- monobasic, from defluorinated phosphoric acid		Dicalcium phosphate (AAFCO)
6-26-334	- monobasic, from furnaced phosphoric acid		- dibasic, from furnaced phosphoric acid (dicalcium phosphate)
6-01-084	- tribasic, from furnaced phosphoric acid		- monobasic, from defluorinated phosphoric acid
			Monocalcium phosphate (AAFCO)
			- monobasic, from furnaced phosphoric acid (monocalcium phosphate)
			- tribasic, from furnaced phosphoric acid (tricalcium phosphate)
			Tricalcium phosphate (AAFCO)
	Calcium, Propionate.		Calcium, Propionate.
8-01-085	- $\text{Ca}(\text{C}_3\text{H}_5\text{O}_2)_2 \cdot \text{H}_2\text{O}$		- $\text{Ca}(\text{C}_3\text{H}_5\text{O}_2)_2 \cdot \text{H}_2\text{O}$
			Calcium propionate (AAFCO)
	Calcium, Silicate.		Calcium, Silicate.
6-08-043	- CaSiO_3		- CaSiO_3
			Calcium silicate (AAFCO)
	Calcium, Sorbate.		Calcium, Sorbate.
8-01-086	-		-
			Calcium sorbate (AAFCO)
	Calcium, Stearate.		Calcium, Stearate.
6-09-345	- $\text{Ca}(\text{C}_{18}\text{H}_{35}\text{O}_2)_2$		- $\text{Ca}(\text{C}_{18}\text{H}_{35}\text{O}_2)_2$
			Calcium stearate (AAFCO)
	Calcium, Sulfate.		Calcium, Sulfate.
6-01-087	- anhydrous, CaSO_4		- anhydrous, CaSO_4
			Calcium sulfate (AAFCO)
	Calcium Ascorbate.		Calcium Ascorbate.
8-26-246	-		-
			Calcium ascorbate (AAFCO)
	Calf (cattle).		Calf (cattle).
5-30-081	- fetus without skin, fresh+		- fetus without skin, fresh+
			Unborn calf carcasses (AAFCO)
	Canada Bluegrass - see Bluegrass, Canada		Canada Bluegrass - see Bluegrass, Canada
	Canarygrass. PHALARIS CANARIENSIS		Canarygrass. PHALARIS CANARIENSIS
2-01-093	- aerial part, fresh		- fresh
1-01-091	- aerial part, sun-cured		- hay, sun-cured
	Canarygrass, Reed. PHALARIS ARUNDINACEA		Canarygrass, Reed. PHALARIS ARUNDINACEA
3-01-114	- aerial part, ensiled		- silage
2-01-113	- aerial part, fresh		Reed canarygrass, silage*
1-01-104	- aerial part, sun-cured		- fresh
			Reed canarygrass, fresh*
			- hay, sun-cured
			Reed canarygrass, hay, sun-cured*
	Cane Molasses - see Sugarcane		Cane Molasses - see Sugarcane
	Canna. CANNA SPP		Canna. CANNA SPP
2-01-126	- aerial part, fresh, early vegetative		- fresh, early vegetative
4-01-127	- tubers, fresh		- tubers, fresh
	Capsicum - see Pepper		Capsicum - see Pepper
	Carbadox.		Carbadox.
8-20-775	-		-
			Carbadox (AAFCO)
	Carbarsone.		Carbarsone.
8-08-815	-		-
			Carbarsone (not USP) (AAFCO)

TABLE 6.2 (Cont.)

	Carob Bean. CERATONIA SILIQUA		Carob Bean. CERATONIA SILIQUA
4-08-370	- pods with seeds		- pods with seeds
4-01-133	- seeds		- seeds
	Carotene, Crystalline.		Carotene, Crystalline.
7-01-134	- Crystalline		- Crystalline Carotene (AAFCO)
	Carpetgrass. AXONOPUS SPP		Carpetgrass. AXONOPUS SPP
2-01-140	- aerial part, fresh		- fresh
1-01-138	- aerial part, sun-cured		- hay, sun-cured
	Carrot. DAUCUS SPP		Carrot. DAUCUS SPP
2-08-371	- aerial part, fresh		- aerial part, fresh
4-26-070	- roots, dehydrated or sun-cured		- roots, dehydrated
4-01-145	- roots, fresh		- roots, fresh
	Casein.		Casein.
5-01-162	- acid precipitated dehydrated		- acid precipitated dehydrated Casein (AAFCO) Casein, dehydrated*
5-20-679	- dehydrated, vitamin free		- dehydrated, vitamin free
5-08-055	- hydrolyzed dehydrated		- hydrolyzed Dried hydrolyzed casein (AAFCO)
5-20-837	- precipitated dehydrated		- precipitated dehydrated
	Cassava. MANIHOT SPP		Cassava. MANIHOT SPP
4-08-572	- starch process residue, dehydrated		- starch process residue, dehydrated Tapioca meal (cassava)* Manihot meal (cassava)*
4-01-152	- tubers, dehydrated ground		- tubers, meal
4-01-150	- tubers, fresh		- tubers, fresh
	Cassava, Common. MANIHOT ESCULENTA		Cassava, Common. MANIHOT ESCULENTA
4-09-598	- tubers, dehydrated or sun-cured		- tubers, dehydrated
4-09-599	- tubers, fresh		- tubers, fresh
	Castorbean. RICINUS COMMUNIS		Castorbean. RICINUS COMMUNIS
5-01-155	- seeds without toxin, ground		- seeds without toxin, ground
	Cattail, Narrowleaf. TYPHA ANGUSTIFOLIA		Cattail, Narrowleaf. TYPHA ANGUSTIFOLIA
1-08-372	- aerial part, sun-cured		- hay, sun-cured
	Cattail, Millet - see Pearl millet		Cattail, Millet - see Pearl millet
	Cattle. BOS TAURUS		Cattle. BOS TAURUS
5-01-159	- buttermilk, condensed		- buttermilk, condensed Condensed buttermilk (AAFCO) Buttermilk, condensed (cattle)*
5-01-160	- buttermilk, dehydrated		- buttermilk, dehydrated Dried buttermilk, feed grade (AAFCO) Buttermilk, dehydrated (cattle)*
5-01-163	- cheese rind		- cheese rind Cheese rind (AAFCO) Cheese, rind (cattle)*
4-25-306	- fat		- fat Cattle fat, feed grade (AAFCO) Fats and oils, fat, cattle*
5-30-081	- fetus carcass without skin, fresh		- fetus carcass without skin, fresh Unborn calf carcasses (AAFCO)
5-01-164	- hearts, fresh		- hearts, fresh
5-01-165	- kidneys, fresh		- kidneys, fresh
5-07-940	- lips, fresh		- lips, fresh
5-01-166	- livers, fresh		- livers, fresh
5-07-941	- lungs, fresh		- lungs, fresh
1-01-190	- manure, dehydrated		- manure, dehydrated Manure (cattle)*
1-28-274	- manure, dehydrated, all forage		- manure, dehydrated, all forage
1-28-213	- manure, dehydrated, feedlot		- manure without bedding, dehydrated, feedlot (high concentrate)
1-28-214	- manure, dehydrated, forage and concentrate		- manure, dehydrated, forage and concentrate
5-01-167	- milk, dehydrated		- milk, dehydrated Dried whole milk, feed grade (AAFCO) Milk, dehydrated (cattle)*

TABLE 6.2 (Cont.)

Cattle (Cont.)		Cattle (Cont.)	
5-01-168	- milk, fresh	- milk, fresh	Milk, fresh (cattle)*
5-08-044	- milk protein, dehydrated	- milk protein, dehydrated	(ried milk protein (AAFCO)
5-01-172	- skim milk, centrifuged condensed	- skim milk, condensed	Condensed skimmed milk (AAFCO)
5-01-175	- skim milk, centrifuged dehydrated	- skim milk, dehydrated	Skim milk, condensed (cattle)*
5-01-176	- skim milk, centrifuged fresh	- skim milk, fresh	Fried skimmed milk, food grade (AAFCO)
5-01-173	- skim milk, cultured condensed	- skim milk, cultured condensed	Milk, skimmed dehydrated (cattle)*
5-01-174	- skim milk, cultured dehydrated	- skim milk, cultured dehydrated	Skim milk, fresh*
5-07-942	- spleens, fresh	- spleens, fresh	- skim milk, cultured condensed
5-08-129	- tongues, fresh	- tongues, fresh	Condensed cultured skimmed milk (AAFCO)
5-07-943	- udders, fresh	- udders, fresh	- skim milk, cultured dehydrated
4-01-180	- whey, condensed	- whey, condensed	Dried cultured skimmed milk (AAFCO)
4-01-181	- whey, cultured condensed	- whey, cultured condensed	- spleens, fresh
4-01-182	- whey, dehydrated	- whey, dehydrated	- tongues, fresh
5-28-223	- whey, fermented ammoniated condensed	- whey, fermented ammoniated condensed	- udders, fresh
4-08-134	- whey, fresh	- whey, fresh	- whey, condensed
4-01-183	- whey, hydrolyzed condensed	- whey, hydrolyzed condensed	Condensed whey (AAFCO)
4-01-184	- whey, hydrolyzed dehydrated	- whey, hydrolyzed dehydrated	Whey, condensed (cattle)*
5-01-177	- whey albumin, heat and acid precipitated dehydrated	- whey albumin, heat and acid precipitated dehydrated	- whey, cultured condensed
4-01-185	- whey low lactose, condensed	- whey low lactose, condensed	Condensed cultured whey (AAFCO)
4-01-186	- whey low lactose, dehydrated	- whey low lactose, dehydrated	Whey, cultured condensed (cattle)*
4-01-188	- whey without albumin low lactose, condensed	- whey without albumin low lactose, condensed	- whey, dehydrated
4-01-189	- whey without albumin low lactose, dehydrated	- whey without albumin low lactose, dehydrated	Dried whey (AAFCO)
4-08-189	- heads, fresh	- heads, fresh	Whey, dehydrated (cattle)*
2-01-192	- leaves, fresh	- leaves, fresh	- whey, fermented ammoniated condensed
2-01-195	- aerial part, fresh	- aerial part, fresh	Fermented ammoniated condensed whey (AAFCO)
8-15-514	- powdered	- powdered	Whey, fresh
2-01-198	- aerial part, fresh	- aerial part, fresh	Whey (AAFCO)
			Whey, fresh (cattle)*
			- whey, hydrolyzed condensed
			Condensed hydrolyzed whey (AAFCO)
			Cattle, whey, hydrolyzed condensed*
			- whey, hydrolyzed dehydrated
			Dried hydrolyzed whey (AAFCO)
			Whey, hydrolyzed dehydrated (cattle)*
			- whey albumin (dried milk albumin)
			Dried milk albumin (AAFCO)
			Whey, albumin (dried milk albumin) (cattle)*
			- whey low lactose, condensed
			Condensed whey-product (AAFCO)
			Whey, low lactose, condensed (cattle)*
			- whey low lactose, dehydrated (dried whey product)
			Dried whey-product (AAFCO)
			Whey, low lactose, dehydrated (dried whey product) (cattle)*
			- whey solubles, condensed (condensed modified whey solubles)
			Condensed whey solubles (AAFCO)
			Whey, solubles, condensed (cattle)*
			- whey solubles, dehydrated
			Dried whey solubles (AAFCO)
			Whey, solubles, dehydrated (cattle)*
			Cauliflower. BRASSICA OLERACEA BOTRYTIS
			- heads, fresh
			- leaves, fresh
			Celery, Wild. APIUM GRAVEOLENS
			- fresh
			Cellulose.
			- powdered
			Powdered cellulose (AAFCO)
			Centipedegrass. EREMOCHLOA OPHIUROIDES
			- fresh

TABLE 6.2 (Cont.)

Cereals.	Cereals.
1-26-069 - aerial part, dehydrated, early vegetative	- dehydrated, early vegetative
5-02-141 - brewers grains, dehydrated	- brewers grains, dehydrated
5-02-142 - brewers grains, wet	- brewers grains, wet
5-02-144 - distillers grains, dehydrated	- distillers grains, dehydrated
5-07-987 - distillers grains with solubles, dehydrated	Cereals distillers dried grains (AAFCO)
	- distillers grains with solubles, dehydrated
	Cereals distillers dried grains with solubles (AAFCO)
5-02-146 - distillers solubles, condensed	- distillers solubles, condensed
	Cereals condensed distillers solubles (AAFCO)
5-02-147 - distillers solubles, dehydrated	- distillers solubles, dehydrated
	Cereals distillers dried solubles (AAFCO)
5-07-153 - fermentation solubles, condensed	- condensed grain fermentation solubles (AAFCO)
4-02-156 - grain screenings	- screenings
	Grain screenings (AAFCO)
4-02-153 - grain screenings, uncleaned	- screenings, uncleaned
4-02-151 - grain screenings refuse	- screenings refuse
1-04-682 - straw, ground	- straw, ground
	Ground straw (AAFCO)
5-02-158 - vinegar fermentation grains, dehydrated	- vinegar fermentation grains, dehydrated
	Vinegar dried grains (AAFCO)
5-02-159 - yeast fermentation grains, dehydrated	- yeast fermentation grains, dehydrated
	Yeast dried grains (AAFCO)
Cereals, Breakfast.	Cereals, Breakfast.
4-01-199 - process residue	- process residue
	Cereal food fines (AAFCO)
Cereals, Mixed.	Cereals, Mixed.
4-02-157 - grain screenings	- screenings
	Mixed screenings (AAFCO)
Cereals-Legume.	Cereals-Legume.
4-02-149 - chaff and/or dust	- chaff and/or dust
	Chaff and/or dust (AAFCO)
Cereals-Oil Seeds.	Cereals-Oil Seeds.
4-12-208 - grain and seed fractions, aspirated	- grain and seed fractions, aspirated
	Aspirated grain fractions (AAFCO)
Chaff and/or Dust - see Cereals; Wheat	Chaff and/or Dust - see Cereals; Wheat
Chalk.	Chalk.
6-01-201 - precipitated	- precipitated
	Chalk, precipitated (AAFCO)
Chalk, Rock.	Chalk, Rock.
6-01-202 - ground	- ground
	Chalk rock (AAFCO)
Chamise. ADENOSTOMA FASCICULATUM	Chamise. ADENOSTOMA FASCICULATUM
1-07-860 - aerial part, fan air dried pelleted, early vegetative	- fan air dried pelleted, early vegetative
Charlock. BRASSICA KABER	Charlock. BRASSICA KABER
5-08-461 - seeds	- seeds
Cheatgrass - see Brome, Cheatgrass	Cheatgrass - see Brome, Cheatgrass
Cheese Rind - see Cattle	Cheese Rind - see Cattle
Cheese Rind (cattle).	Cheese Rind (cattle).
5-01-163 - +	- +
	Cheese rind (AAFCO)
Chestnut. CASTANEA SPP	Chestnut. CASTANEA SPP
4-01-207 - kernels with coats, fresh	- kernels with coats, fresh
4-01-208 - fruit without husks without starch	- fruit without husks without starch
Chicken. GALLUS DOMESTICUS	Chicken. GALLUS DOMESTICUS
5-01-213 - eggs, fresh	- eggs, fresh
	Chicken, eggs with shells, fresh*
5-08-114 - eggs without shells, fresh	- eggs without shells, fresh
5-07-947 - feet, fresh	- feet, fresh

TABLE 6.2 (Cont.)

Chicken (Cont.)		Chicken (Cont.)	
5-07-948	- gizzards, fresh	- gizzards, fresh	
5-07-949	- heads (animal), fresh	- heads, fresh	
5-07-951	- viscera with feet with heads, fresh	- by-product, fresh (viscera with feet with heads)	
5-07-952	- viscera with heads, fresh	- viscera with heads, fresh	
5-07-946	- whole, fresh, day old	- whole, fresh, day old	
Chicken, Broilers. GALLUS DOMESTICUS		Chicken, Broilers. GALLUS DOMESTICUS	
5-07-945	- whole, fresh	- whole, fresh	Chicken, broilers, whole, fresh*
Chicken, Hens. GALLUS DOMESTICUS		Chicken, Hens. GALLUS DOMESTICUS	
5-08-095	- carcass, fresh, cull	- carcass, fresh, cull	Chicken, hens, carcass, fresh*
5-07-950	- whole, fresh, cull	- whole, fresh, cull	Chicken, hens, whole, fresh*
Chickpea. CICER ARIETINUM		Chickpea. CICER ARIETINUM	
5-01-218	- seeds	- seeds	Garbanzo (chickpea, gram), seeds*
Chicory. CICHORIUM SPP		Chicory. CICHORIUM SPP	
2-01-220	- aerial part, fresh	- fresh	
Chloramphenicol.		Chloramphenicol.	
8-01-223	-	-	Chloramphenicol (not permitted in animal food) (AAFCO)
Chlormadinone Acetate.		Chlormadinone Acetate.	
8-09-331	-	-	Chlormadinone acetate (AAFCO)
Chlortetracycline.		Chlortetracycline.	
8-01-224	-	-	Chlortetracycline (AAFCO)
Chlortetracycline Plus Penicillin Plus Sulfathiazole.		Chlortetracycline Plus Penicillin Plus Sulfathiazole.	
3-20-859	-	-	Chlortetracycline plus penicillin plus sulfathiazole (swine)-512(m) exempt (AAFCO)
Chlortetracycline Plus Sulfamethazine.		Chlortetracycline Plus Sulfamethazine.	
8-09-330	-	-	Chlortetracycline plus sulfamethazine (cattle) (AAFCO)
Choline, Chloride.		Choline, Chloride.	
7-01-228	- Crystalline	-	Choline chloride (AAFCO)
Choline, Pantothenate, Crystalline.		Choline, Pantothenate, Crystalline.	
7-01-229	- Crystalline	- Crystalline	Choline pantothenate (AAFCO)
Choline, Xanthate.		Choline, Xanthate.	
7-01-230	-	-	Choline xanthate (AAFCO)
Cholla, Mexicali. OPUNTIA CHOLLA		Cholla, Mexicali. OPUNTIA CHOLLA	
2-08-367	- aerial part, fresh	- fresh	Cane cactus (cholla), fresh*
2-08-368	- fruit, fresh	- fruit, fresh	Cane cactus (cholla), fruit, fresh*
2-08-369	- stems, fresh	- stems, fresh	Cane cactus (cholla), stems, fresh*
Chufa. CYPERUS ESCULENTUS SATIVUS		Chufa. CYPERUS ESCULENTUS SATIVUS	
4-08-374	- tubers, fresh	- tubers, fresh	
Citric, Acid.		Citric, Acid.	
8-01-233	-	-	Citric acid (AAFCO)

TABLE 6.2 (Cont.)

Citrus. CITRUS SPP		Citrus. CITRUS SPP	
4-01-238	- pomace, ammoniated dehydrated or sun-cured	- pomace, ammoniated dehydrated	
4-01-237	- pomace without fines, dehydrated	- pomace without fines, dehydrated	
4-01-234	- pomace, ensiled	Dried citrus pulp (AAFCO)	
4-08-376	- pomace, wet	- pomace, silage	
4-01-235	- pomace fines, dehydrated or sun-cured	- pomace, wet	
		- pomace fines, dehydrated (dried citrus pulp fines)	
5-01-239	- seeds oil residue, mechanical extracted ground	Dried citrus meal (AAFCO)	
4-01-241	- syrup	- seeds, meal mechanical extracted	
		Citrus seed meal, mechanical extracted (AAFCO)	
5-01-240	- syrup, ammoniated	- syrup (molasses)	
		Citrus molasses (AAFCO)	
		Molasses and syrup, citrus, syrup (citrus molasses)*	
		- syrup, ammoniated	
		Molasses and syrup, citrus, molasses, ammoniated*	
Clam. MERCENARIA MERCENARIA-MYA ARENARIA-SILIQUA PATULA		Clam. MERCENARIA MERCENARIA-MYA ARENARIA-SILIQUA PATULA	
6-01-259	- shells, ground	- shells, ground	
		Clam shells, ground (AAFCO)	
Clay, Attapulгите.		Clay, Attapulгите.	
8-14-008	-	-	
		Attapulгите clay (AAFCO)	
Clay, Ball.		Clay, Ball.	
8-08-046	-	-	
		Ball clay (AAFCO)	
Clopidol.		Clopidol.	
8-09-328	-	-	
		Clopidol (AAFCO)	
Clover, Alsike. TRIFOLIUM HYBRIDUM		Clover, Alsike. TRIFOLIUM HYBRIDUM	
2-01-316	- aerial part, fresh	- fresh	
2-01-314	- aerial part, fresh, early vegetative	Alsike clover, fresh*	
1-01-313	- aerial part, sun-cured	- fresh, early vegetative	
		- hay, sun-cured	
		Alsike clover, hay, sun-cured*	
Clover, Crimson. TRIFOLIUM INCARNATUM		Clover, Crimson. TRIFOLIUM INCARNATUM	
2-01-336	- aerial part, fresh	- fresh	
2-20-890	- aerial part, fresh, early vegetative	Crimson clover, fresh*	
1-01-328	- aerial part, sun-cured	- fresh, early vegetative	
		- hay, sun-cured	
1-08-379	- straw	Crimson clover, hay, sun-cured*	
		- straw	
Clover, Egyptian. TRIFOLIUM ALEXANDRINUM		Clover, Egyptian. TRIFOLIUM ALEXANDRINUM	
3-01-353	- aerial part, ensiled	- silage	
2-01-349	- aerial part, fresh	Berseem (Egyptian) clover, silage*	
		- fresh	
1-01-340	- aerial part, sun-cured	Clover, berseem (Egyptian), fresh*	
		Berseem clover (Egyptian), fresh*	
		- hay sun-cured	
		Berseem (Egyptian) clover, hay, sun-cured*	
Clover, Hop. TRIFOLIUM AGRARIUM		Clover, Hop. TRIFOLIUM AGRARIUM	
2-01-361	- aerial part, fresh	- fresh	
		Hop clover, fresh*	
Clover, Ladino. TRIFOLIUM REPENS		Clover, Ladino. TRIFOLIUM REPENS	
3-01-384	- aerial part, ensiled	- silage	
2-01-383	- aerial part, fresh	Ladino clover, silage*	
		- fresh	
2-01-380	- aerial part, fresh, early vegetative	Ladino clover, fresh*	
1-01-378	- aerial part, sun-cured	- fresh, early vegetative	
		- hay, sun-cured	
		Ladino clover, hay, sun-cured*	

TABLE 6.2 (Cont.)

1-01-389	Clover, Persian. TRIFOLIUM RESUPINATUM - aerial part, sun-cured		Clover, Persian. TRIFOLIUM RESUPINATUM - hay, sun-cured Persian clover, hay, sun-cured*
3-01-441	Clover, Red. TRIFOLIUM PRATENSE - aerial part, ensiled		Clover, Red. TRIFOLIUM PRATENSE - silage Red clover, silage*
2-01-434	- aerial part, fresh		- fresh
2-01-428	- aerial part, fresh, early bloom		- fresh, early bloom Red clover, fresh, early bloom*
2-01-429	- aerial part, fresh, full bloom		- fresh, full bloom Red clover, fresh, full bloom*
2-28-255	- aerial part, fresh, regrowth early vegetative		- fresh, regrowth early vegetative
1-01-415	- aerial part, sun-cured		- hay, sun-cured Red clover, hay, sun-cured*
1-01-394	- aerial part, sun-cured, early vegetative		- hay, sun-cured, early vegetative Red clover, hay, sun-cured, early vegetative*
1-01-405	- aerial part, sun-cured, mature		- hay, sun-cured, mature Red clover, hay, sun-cured, mature*
3-01-451	- aerial part molasses added, ensiled		- aerial part molasses added, silage
5-08-005	- seed screenings		- seed screenings
5-08-004	- seeds		- seeds
2-26-067	Clover, Strawberry. TRIFOLIUM FRAGIFERUM - aerial part, fresh		Clover, Strawberry. TRIFOLIUM FRAGIFERUM - fresh
2-26-068	Clover, Subterranean. TRIFOLIUM SUBTERRANEUM - aerial part, fresh		Clover, Subterranean. TRIFOLIUM SUBTERRANEUM - fresh Subterranean clover, fresh*
1-20-278	- aerial part, sun-cured		- hay, sun-cured Subterranean clover, hay, sun-cured*
2-01-468	Clover, White. TRIFOLIUM REPENS - aerial part, fresh		Clover, White. TRIFOLIUM REPENS - fresh White clover, fresh*
1-01-464	- aerial part, sun-cured		- hay, sun-cured White clover, hay, sun-cured*
1-01-473	Clover-Grass. TRIFOLIUM SPP-GRASS - aerial part, sun-cured		Clover-Grass. TRIFOLIUM SPP-GRASS - hay, sun-cured
1-01-484	Clover-Timothy. TRIFOLIUM SPP-PHLEUM PRATENSE - aerial part, sun-cured, full bloom		Clover-Timothy. TRIFOLIUM SPP-PHLEUM PRATENSE - hay, sun-cured, full bloom
	Clover, Alyce - see Alyceclover		Clover, Alyce - see Alyceclover
2-08-380	Clover, Crimson-Ryegrass. TRIFOLIUM INCARNATUM -LOLIUM SPP - aerial part, fresh		Clover, Crimson-Ryegrass. TRIFOLIUM INCARNATUM -LOLIUM SPP - fresh Crimson clover-ryegrass, fresh*
3-08-384	Clover, Ladino-Grass. TRIFOLIUM REPENS-GRASS - aerial part, ensiled		Clover, Ladino-Grass. TRIFOLIUM REPENS-GRASS - silage Ladino clover-grass, silage*
2-01-513	- aerial part, fresh, early bloom		- fresh, early bloom Ladino clover-grass, fresh, early bloom*
1-01-511	- aerial part, sun-cured		- hay, sun-cured Ladino clover-grass, hay, sun-cured*
3-26-122	Clover, Red-Grass. TRIFOLIUM PRATENSE-GRASS - aerial part, ensiled		Clover, Red-Grass. TRIFOLIUM PRATENSE-GRASS - silage
1-01-536	- aerial part, sun-cured		- hay, sun-cured Red clover-grass, hay, sun-cured*
1-01-532	- aerial part, sun-cured, full bloom		- hay, sun-cured, full bloom Red clover-grass, hay, sun-cured, full bloom*
	Clover, Sweet - see Sweetclover		Clover, Sweet - see Sweetclover
	Coastal Bermudagrass - see Bermudagrass, Coastal		Coastal Bermudagrass - see Bermudagrass, Coastal
6-01-554	Cobalt, Acetate. - $\text{Co}(\text{C}_2\text{H}_3\text{O}_2)_2$		Cobalt, Acetate. - $\text{Co}(\text{C}_2\text{H}_3\text{O}_2)_2$ Cobalt acetate (AAFCO)

TABLE 6.2 (Cont.)

6-01-556	Cobalt, Chloride. - anhydrous, CoCl_2		Cobalt, Chloride. - anhydrous, CoCl_2 Cobalt chloride (AAFCO)
6-20-869	Cobalt, Choline Citrate Complex. -		Cobalt, Choline Citrate Complex. - Cobalt choline citrate complex (AAFCO)
6-01-560	Cobalt, Oxide. - CoO		Cobalt, Oxide. - CoO Cobalt oxide (AAFCO)
6-26-151	Cobalt, Proteinate. -		Cobalt, Proteinate. - Cobalt proteinate (AAFCO)
6-01-564	Cobalt, Sulfate. - heptahydrate, $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$		Cobalt, Sulfate. - heptahydrate, $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$
6-01-562	- monohydrate, $\text{CoSO}_4 \cdot \text{H}_2\text{O}$		- monohydrate, $\text{CoSO}_4 \cdot \text{H}_2\text{O}$ Cobalt sulfate (AAFCO)
6-01-566	Cobaltous, Carbonate. - CoCO_3		Cobaltous, Carbonate. - CoCO_3 Cobalt carbonate (AAFCO)
	Cocoa - see Cacao		Cocoa - see Cacao
5-01-572	Coconut. COCOS NUCIFERA - kernels with coats oil residue, mechanical extracted ground		Coconut. COCOS NUCIFERA - kernels with coats, meal mechanical extracted (copra meal) Coconut meal, mechanical extracted (AAFCO) Copra meal, mechanical extracted (AAFCO)
5-01-573	- kernels with coats oil residue, solvent extracted ground		- kernels with coats, meal solvent extracted (copra meal) Coconut meal, solvent extracted (AAFCO) Copra meal, solvent extracted (AAFCO)
8-09-346	- methyl glucoside oil ester		- methyl glucoside oil ester Methyl glucoside coconut oil ester (AAFCO)
	Cod - see Fish, Cod		Cod - see Fish, Cod
1-09-734	Coffee. COFFEA SPP - fruit without seeds, dehydrated		Coffee. COFFEA SPP - fruit without seeds, dehydrated (pulp) Coffee, pulp, dehydrated (fruit without seeds)*
2-09-648	- fruit without seeds, fresh		- fruit without seeds, fresh (pulp)
1-01-576	- grounds, wet		- grounds, wet
1-01-577	- hulls		- hulls
	Colloidal Clay - see Rock, Phosphate		Colloidal Clay - see Rock, Phosphate
2-01-579	Comfrey, Prickly. SYMPHYTUM ASPERRIMUM - aerial part, fresh		Comfrey, Prickly. SYMPHYTUM ASPERRIMUM - fresh
6-20-868	Copper, Choline Citrate Complex. -		Copper, Choline Citrate Complex. - Copper choline citrate complex (AAFCO)
6-09-896	Copper, Proteinate. -		Copper, Proteinate. - Copper proteinate (AAFCO)
	Copper - see Cupric or Cuprous		Copper - see Cupric or Cuprous
8-09-822	Copper Polysaccharide Complex. -		Copper Polysaccharide Complex. - Copper polysaccharide complex (AAFCO)
	Copra - see Coconut		Copra - see Coconut
2-01-588	Cordgrass. SPARTINA SPP - aerial part, fresh		Cordgrass. SPARTINA SPP - fresh
	Corn - see Maize		Corn - see Maize

TABLE 6.2 (Cont.)

	Cotton. GOSSYPIUM SPP		Cotton. GOSSYPIUM SPP
1-01-596	- bolls, sun-cured		- bolls, sun-cured
1-08-413	- gin by-product		- gin by-product
			Cotton plant by-product (AAFCO)
1-01-599	- hulls		- hulls
			Cottonseed hulls (AAFCO)
1-01-598	- leaves, sun-cured		- leaves, sun-cured
5-12-023	- seed screenings		- seed screenings
			Cottonseed screenings (AAFCO)
5-01-614	- seeds		- seeds (with lint)
5-09-002	- seeds low gossypol oil residue, mechanical extracted ground		- seeds low gossypol, meal mechanical extracted
			Low gossypol cottonseed meal, mechanical extracted (AAFCO)
5-01-633	- seeds low gossypol oil residue, solvent extracted ground		- seeds low gossypol, meal solvent extracted
			Low gossypol cottonseed meal, solvent extracted (AAFCO)
5-01-623	- seeds oil residue, mechanical extracted caked, 36% protein		- seeds, mechanical extracted caked, 36% protein
			Cottonseed cake, mechanical extracted (AAFCO)
5-08-820	- seeds oil residue, mechanical extracted flaked, 36% protein		- seeds, mechanical extracted flaked, 36% protein
			Cottonseed flakes, mechanical extracted (AAFCO)
5-01-609	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted (whole pressed cottonseed)
			Whole-pressed cottonseed, mechanical extracted (AAFCO)
5-01-625	- seeds oil residue, mechanical extracted ground, 36% protein		- seeds, meal mechanical extracted, 36% protein
			Cottonseed meal, mechanical extracted (AAFCO)
5-01-617	- seeds oil residue, mechanical extracted ground, 41% protein		- seeds, meal mechanical extracted, 41% protein
			Cottonseed meal mechanical extracted 41% protein (AAFCO)
5-01-627	- seeds oil residue, mechanical extracted ground, 43% protein		- seeds, meal mechanical extracted, 43% protein
			Cottonseed meal mechanical extracted 43% protein (AAFCO)
5-07-872	- seeds oil residue, prepressed solvent extracted ground, 41% protein		- seeds, meal prepressed solvent extracted, 41% protein
5-07-873	- seeds oil residue, prepressed solvent extracted ground, 44% protein		- seeds, meal prepressed solvent extracted, 44% protein
5-09-352	- seeds oil residue, solvent extracted ammoniated ground		- seeds, meal solvent extracted ammoniated
			Ammoniated cottonseed meal (AAFCO)
5-01-629	- seeds oil residue, solvent extracted flaked, 36% protein		- seeds, solvent extracted flaked, 36% protein
			Cottonseed flakes, solvent extracted (AAFCO)
5-01-632	- seeds oil residue, solvent extracted ground, 36% protein		- seeds, meal solvent extracted, 36% protein
			Cottonseed meal, solvent extracted (AAFCO)
5-01-621	- seeds oil residue, solvent extracted ground, 41% protein		- seeds, meal solvent extracted, 41% protein
			Cottonseed meal solvent extracted 41% protein (AAFCO)
5-01-630	- seeds oil residue, solvent extracted ground, 43% protein		- seeds, meal solvent extracted, 43% protein
			Cottonseed meal solvent extracted 43% protein (AAFCO)
5-26-100	- seeds oil residue, solvent extracted ground, 46% protein		- seeds, meal solvent extracted, 46% protein
5-07-874	- seeds without hulls oil residue, prepressed solvent extracted ground, 50% protein		- seeds without hulls, meal prepressed solvent extracted, 50% protein
5-13-749	- seeds without lint		- seeds without lint
1-01-601	- stems, sun-cured		- stems, sun-cured
	Cotton, Glandless. GOSSYPIUM SPP		Cotton, Glandless. GOSSYPIUM SPP
5-08-979	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted
	Cottonseed - see Cotton		Cottonseed - see Cotton

TABLE 6.2 (Cont.)

2-01-634	Cottontop, Arizona. TRICHACHNE CALIFORNICA - aerial part, fresh		Cottontop, Arizona. TRICHACHNE CALIFORNICA - fresh
	Couch Grass - see Quackgrass		Couch Grass - see Quackgrass
8-08-816	Coumaphos. -		Coumaphos. - Coumaphos (AAFCO)
2-01-655	Cowpea, Common. VIGNA SINENSIS - aerial part, fresh		Cowpea, Common. VIGNA SINENSIS - fresh
1-01-645	- aerial part, sun-cured		- hay, sun-cured
3-01-659	- aerial part, wilted ensiled		- silage wilted
5-01-648	- pods with seeds, dehydrated		- pods with seeds, dehydrated
5-01-661	- seeds		- seeds
1-01-649	- straw		- straw
5-01-663	Crab. CALLINECTES SAPIDUS-CANCER SPP-PARALITHODES CAMSCHATICA - process residue, dehydrated ground		Crab. CALLINECTES SAPIDUS-CANCER SPP-PARALITHODES CAMSCHATICA - process residue, meal (crab meal) Crab meal (AAFCO)
2-01-668	Crabgrass. DIGITARIA SPP - aerial part, fresh		Crabgrass. DIGITARIA SPP - fresh
1-01-667	- aerial part, sun-cured		- hay, sun-cured
5-08-167	Crambe, Abyssinian. CRAMBE ABYSSINICA - seeds without hulls oil residue, solvent extracted ground		Crambe, Abyssinian. CRAMBE ABYSSINICA - seeds without hulls, meal solvent extracted
	Crested Wheatgrass - see Wheatgrass, Crested		Crested Wheatgrass - see Wheatgrass, Crested
	Crimson Clover - see Clover, Crimson		Crimson Clover - see Clover, Crimson
	Crimson Clover-Ryegrass - see Clover, Crimson-Ryegrass		Crimson Clover-Ryegrass - see Clover, Crimson-Ryegrass
2-01-678	Crotalaria. CROTALARIA SPP - aerial part, fresh, midbloom		Crotalaria. CROTALARIA SPP - fresh, midbloom
6-01-703	Cupric, Carbonate. - CuCO_3		Cupric, Carbonate. - CuCO_3 Copper carbonate (AAFCO)
6-01-705	Cupric, Chloride. - dihydrate, $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$		Cupric, Chloride. - dihydrate, $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$ Copper chloride (AAFCO)
6-01-707	Cupric, Gluconate. - $\text{Cu}(\text{C}_6\text{H}_{11}\text{O}_7)_2$		Cupric, Gluconate. - $\text{Cu}(\text{C}_6\text{H}_{11}\text{O}_7)_2$ Copper gluconate (AAFCO)
6-01-709	Cupric, Hydroxide. - $\text{Cu}(\text{OH})_2$		Cupric, Hydroxide. - $\text{Cu}(\text{OH})_2$ Copper hydroxide (AAFCO)
6-01-713	Cupric, Orthophosphate. - $\text{Cu}_3(\text{PO}_4)_2$		Cupric, Orthophosphate. - $\text{Cu}_3(\text{PO}_4)_2$ Copper orthophosphate (AAFCO)
6-01-711	Cupric, Oxide. - CuO		Cupric, Oxide. - CuO Copper oxide (AAFCO)
6-01-719	Cupric, Sulfate. - pentahydrate, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$		Cupric, Sulfate. - pentahydrate, $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ Copper sulfate (AAFCO)
6-01-721	Cuprous, Iodide. - CuI		Cuprous, Iodide. - CuI Cuprous iodide (AAFCO)
	Curacao Phosphate - see Rock, Phosphate		Curacao Phosphate - see Rock, Phosphate

TABLE 6.2 (Cont.)

	Curlymesquite. HILARIA BELANGERI		Curlymesquite. HILARIA BELANGERI
2-01-728	- browse, fresh		- browse, fresh
2-01-729	- browse, fresh, mature		- browse, fresh, mature
	Dallisgrass. PASPALUM DILATATUM		Dallisgrass. PASPALUM DILATATUM
2-01-741	- aerial part, fresh		- fresh
1-01-737	- aerial part, sun-cured		- hay, sun-cured
	Dandelion, Common. TARAXACUM OFFICINALE		Dandelion, Common. TARAXACUM OFFICINALE
2-01-748	- leaves, fresh		- leaves, fresh
	Danthonia, Poverty. DANTHONIA SPICATA		Danthonia, Poverty. DANTHONIA SPICATA
1-01-751	- aerial part, sun-cured		- hay, sun-cured
			Poverty danthonian, hay, sun-cured*
	Darso - see Sorghum, Darso		Darso - see Sorghum, Darso
	Dasheen. COLOCASIA ESCULENTA		Dasheen. COLOCASIA ESCULENTA
4-10-463	- tubers, fresh		- tubers, fresh
			Taro (dasheen), roots, fresh*
	Decoquate.		Decoquate.
8-09-371	-		-
			Decoquate (AAFCO)
	Deervetch - see Trefoil, Big		Deervetch - see Trefoil, Big
	Deervetch, Birdsfoot - see Trefoil, Birdsfoot		Deervetch, Birdsfoot - see Trefoil, Birdsfoot
	Defluorinated Phosphate - see Phosphate		Defluorinated Phosphate - see Phosphate
	Desert Holly - see Summercypress, Gray		Desert Holly - see Summercypress, Gray
	Desmanthus - see Bundleflower		Desmanthus - see Bundleflower
	Diatomaceous, Earth.		Diatomaceous, Earth.
8-09-363	-		-
			Diatomaceous earth (AAFCO)
	Diammonium Phosphate.		Diammonium Phosphate.
6-00-370	- $(\text{NH}_4)_2\text{HPO}_4$ +		- $(\text{NH}_4)_2\text{HPO}_4$ +
			Diammonium phosphate (AAFCO)
	Dicalcium Phosphate - see Calcium Phosphate, Dibasic		Dicalcium Phosphate - see Calcium Phosphate, Dibasic
	Dicalcium Phosphate.		Dicalcium Phosphate.
6-01-080	- from defluorinated phosphoric acid+		- from defluorinated phosphoric acid+
6-26-335	- from furnaced phosphoric acid+		Dicalcium phosphate (AAFCO)
			- from furnaced phosphoric acid+
	Dichlorvos.		Dichlorvos.
8-09-398	-		-
			Dichlorvos (AAFCO)
	Diiodosalicylic, Acid.		Diiodosalicylic, Acid.
6-01-787	- $\text{C}_7\text{H}_4\text{I}_2\text{O}_3$		- $\text{C}_7\text{H}_4\text{I}_2\text{O}_3$
			Diiodosalicylic acid (AAFCO)
	Dilauryl Thiodipropionate.		Dilauryl Thiodipropionate.
8-01-789	-		-
			Dilauryl thiodipropionate (AAFCO)
	Dimetridazole.		Dimetridazole.
8-08-066	-		-
			Dimetridazole (AAFCO)
	Disodium Edta.		Disodium Edta.
8-05-689	-		-
			Disodium edta (AAFCO)
	Disodium Phosphate - see Sodium Phosphate, Dibasic		Disodium Phosphate - see Sodium Phosphate, Dibasic

TABLE 6.2 (Cont.)

6-04-286	Disodium Phosphate. - Na ₂ HPO ₄ .H ₂ O+		Disodium Phosphate. - Na ₂ HPO ₄ .H ₂ O+ Disodium phosphate (AAFCO)
8-01-792	Distearyl, Thiodipropionate. -		Distearyl, Thiodipropionate. - Distearyl thiodipropionate (AAFCO)
	Distillers Grains - see Barley; Cereals; Maize; Rye; Sorghum; Wheat		Distillers Grains - see Barley; Cereals; Maize; Rye; Sorghum; Wheat
5-14-501	DL-Lysine. -		DL-Lysine. - DL-lysine (AAFCO)
5-03-086	DL-Methionine. -		DL-Methionine. - DL-methionine (AAFCO)
5-30-281	DL-Methionine, Hydroxy Analog. -		DL-Methionine, Hydroxy Analog. - DL-methionine hydroxy analog (AAFCO)
5-03-087	DL-Methionine, Hydroxy Analog Calcium. -		DL-Methionine, Hydroxy Analog Calcium. - DL-methionine hydroxy analog calcium (AAFCO)
5-08-093	DL-Tryptophan. -		DL-Tryptophan. - DL-tryptophan (AAFCO)
2-01-794	Dock, Curly. RUMEX CRISPUS - aerial part, fresh		Dock, Curly. RUMEX CRISPUS - fresh
2-26-117	Dogwood, Flowering. CORNUS FLORIDA - browse, fresh		Dogwood, Flowering. CORNUS FLORIDA - browse, fresh
1-01-805	Dolichos, Hyacinth. DOLICHOS LABLAB - aerial part, sun-cured		Dolichos, Hyacinth. DOLICHOS LABLAB - hay, sun-cured Hyacinth bean (dolichos), hay, sun-cured*
	Dolomitic Limestone - see Limestone		Dolomitic Limestone - see Limestone
2-05-596	Dropseed, Sand. SPOROBOLUS CRYPTANDRUS - aerial part, fresh, stem cured		Dropseed, Sand. SPOROBOLUS CRYPTANDRUS - fresh, stem cured Sand dropseed, fresh, stem cured*
	Drum Fish - see Fish, Redfish		Drum Fish - see Fish, Redfish
	Durra - see Sorghum, Durra		Durra - see Sorghum, Durra
	Dwarf Koa - see Bundleflower		Dwarf Koa - see Bundleflower
	Egg Shells - see Poultry		Egg Shells - see Poultry
6-26-004	Egg Shells (poultry). - dehydrated ground+		Egg Shells (poultry). - meal+ Egg shell meal (AAFCO)
5-01-213	Eggs (chicken). - fresh+		Eggs (chicken). - fresh+
5-08-114	Eggs Without Shells (chicken). - fresh+		Eggs Without Shells (chicken). - fresh+
1-01-827	Emmer. TRITICUM DICOCCUM - aerial part, sun-cured		Emmer. TRITICUM DICOCCUM - hay, sun-cured
4-01-830	- grain		- grain
8-01-833	Enzymes (except Pepsin). -		Enzymes (except Pepsin). - Enzymes (except pepsin) (AAFCO)
2-26-118	Ephedra. EPHEDRA SPP - browse, fresh		Ephedra. EPHEDRA SPP - browse, fresh

TABLE 6.2 (Cont.)

7-09-823	Erythorbic Acid. -	Erythorbic Acid. -	Erythorbic acid (AAFCO)
8-08-104	Erythromycin Thiocyanate. -	Erythromycin Thiocyanate. -	Erythromycin thiocyanate (AAFCO)
8-01-841	Ethoxyquin. -	Ethoxyquin. -	Ethoxyquin (AAFCO)
8-08-045	Ethyl Cellulose. -	Ethyl Cellulose. -	Ethyl cellulose (AAFCO)
6-01-842	Ethylenediamine, Dihydroiodide. - $C_2H_4(NH_2)_2 \cdot 2HI$	Ethylenediamine, Dihydroiodide. - $C_2H_4(NH_2)_2 \cdot 2HI$	Ethylenediamine dihydroiodide (AAFCO) Organic iodide (ethylenediamine dihydroiodide)*
8-09-329	Famphur. -	Famphur. -	Famphur (AAFCO)
	Fat - see Animal; Cattle; Poultry; Swine; Vegetable	Fat - see Animal; Cattle; Poultry; Swine; Vegetable	
4-00-414	Fat Product (animal-vegetable). - +	Fat Product (animal-vegetable). - +	Fat product, feed grade (AAFCO)
	Fatty Acids - see Animal; Vegetable	Fatty Acids - see Animal; Vegetable	
4-00-377	Fatty Acids of Ethyl Ester (animal). - +	Fatty Acids of Ethyl Ester (animal). - +	Ethyl ester of fatty acids, feed grade (AAFCO)
4-12-240	Fatty Acids of Ethyl Ester (vegetable). - +	Fatty Acids of Ethyl Ester (vegetable). - +	Ethyl ester of vegetable oil fatty acids, feed grade (AAFCO)
4-00-378	Fatty Acids of Methyl Ester (animal). - +	Fatty Acids of Methyl Ester (animal). - +	Methyl ester of animal fatty acids, feed grade (AAFCO)
4-05-074	Fatty Acids of Methyl Ester (vegetable). - +	Fatty Acids of Methyl Ester (vegetable). - +	Methyl ester of vegetable fatty acids, feed grade (AAFCO)
8-01-855	Fennel. FOENICULUM VULGARE - seeds	Fennel. FOENICULUM VULGARE - seeds	Fennel (AAFCO)
8-01-856	Fenugreek. TRIGONELLA FOENUM-GRAECUM - seeds	Fenugreek. TRIGONELLA FOENUM-GRAECUM - seeds	Fenugreek seed (AAFCO)
6-01-857	Ferric, Ammonium Citrate. - $Fe(NH_3)C_6H_8O_7$	Ferric, Ammonium Citrate. - $Fe(NH_3)C_6H_8O_7$	Ferric ammonium citrate (AAFCO)
6-01-865	Ferric, Chloride. - $FeCl_3$	Ferric, Chloride. - $FeCl_3$	Ferric chloride (AAFCO)
6-20-867	Ferric, Choline Citrate Complex. -	Ferric, Choline Citrate Complex. -	Ferric choline citrate complex (AAFCO)

TABLE 6.2 (Cont.)

6-30-089	Ferric, Formate. - $\text{Fe}(\text{CHO}_2)_3 \cdot \text{H}_2\text{O}$		Ferric, Formate. - $\text{Fe}(\text{CHO}_2)_3 \cdot \text{H}_2\text{O}$ Ferric formate (AAFCO)
6-02-431	Ferric, Oxide. - Fe_2O_3		Ferric, Oxide. - Fe_2O_3 Iron oxide (AAFCO)
6-01-859	Ferric, Phosphate. - FePO_4		Ferric, Phosphate. - FePO_4 Ferric phosphate (AAFCO)
6-01-861	Ferric, Pyrophosphate. - $\text{Fe}_4(\text{P}_2\text{O}_7)_3$		Ferric, Pyrophosphate. - $\text{Fe}_4(\text{P}_2\text{O}_7)_3$ Ferric pyrophosphate (AAFCO)
6-30-086	Ferric, Sulfate. - $\text{Fe}_2(\text{SO}_4)_3$		Ferric, Sulfate. - $\text{Fe}_2(\text{SO}_4)_3$ Ferric sulfate (AAFCO)
6-01-863	Ferrous, Carbonate. - FeCO_3		Ferrous, Carbonate. - FeCO_3 Ferrous carbonate (AAFCO)
6-30-090	Ferrous, Chloride. - FeCl_2		Ferrous, Chloride. - FeCl_2 Ferrous chloride (AAFCO)
6-08-097	Ferrous, Fumarate. - $\text{FeC}_4\text{H}_2\text{O}_4$		Ferrous, Fumarate. - $\text{FeC}_4\text{H}_2\text{O}_4$ Ferrous fumarate (AAFCO)
6-01-867	Ferrous, Gluconate. - dihydrate, $\text{Fe}(\text{C}_6\text{H}_{11}\text{O}_7)_2 \cdot 2\text{H}_2\text{O}$		Ferrous, Gluconate. - dihydrate, $\text{Fe}(\text{C}_6\text{H}_{11}\text{O}_7)_2 \cdot 2\text{H}_2\text{O}$ Ferrous gluconate (AAFCO)
6-01-869	Ferrous, Sulfate. - monohydrate, $\text{FeSO}_4 \cdot \text{H}_2\text{O}$		Ferrous, Sulfate. - monohydrate, $\text{FeSO}_4 \cdot \text{H}_2\text{O}$ Ferrous sulfate (AAFCO)
1-06-132	Fescue, FESTUCA SPP - aerial part, sun-cured, early vegetative		Fescue, FESTUCA SPP - hay, sun-cured, early vegetative
1-13-582	- aerial part, sun-cured, late vegetative		- hay, sun-cured, late vegetative
1-01-871	- aerial part, sun-cured, early bloom		- hay, sun-cured, early bloom
2-01-889	Fescue, Alta, FESTUCA ARUNDINACEA - aerial part, fresh		Fescue, Alta, FESTUCA ARUNDINACEA - fresh Alta (tall) fescue, fresh* Tall (alta) fescue, fresh*
1-05-684	- aerial part, sun-cured		- hay, sun-cured Alta fescue, hay, sun-cured*
2-01-902	Fescue, Kentucky 31, FESTUCA ARUNDINACEA - aerial part, fresh		Fescue, Kentucky 31, FESTUCA ARUNDINACEA - fresh
1-09-186	- aerial part, sun-cured, early bloom		- hay, sun-cured, early bloom
1-09-187	- aerial part, sun-cured, midbloom		- hay, sun-cured, midbloom
1-09-188	- aerial part, sun-cured, full bloom		- hay, sun-cured, full bloom
1-09-189	- aerial part, sun-cured, mature		- hay, sun-cured, mature
3-01-925	Fescue, Meadow, FESTUCA ELATIOR - aerial part, ensiled		Fescue, Meadow, FESTUCA ELATIOR - silage Meadow fescue, silage*
2-01-920	- aerial part, fresh		- fresh Meadow fescue, fresh*
1-01-912	- aerial part, sun-cured		- hay, sun-cured Meadow fescue, hay, sun-cured*
	Feterita - see Sorghum Feterita		Feterita - see Sorghum Feterita
5-30-081	Fetus Carcass Without Skin (cattle). - fresh+		Fetus Carcass Without Skin (cattle). - fresh+ Unborn calf carcass (AAFCO)
	Filaree - see Alfileria		Filaree - see Alfileria

TABLE 6.2 (Cont.)

Finoglass - see Paragrass	Finoglass - see Paragrass
Fish.	Fish.
5-01-966 - glue by-product, dehydrated ground	- glue residue, meal Fish residue meal (AAFCO)
5-01-968 - livers oil residue, mechanical extracted ground	- livers, meal mechanical extracted
7-01-965 - oil	- oil Fish oil (AAFCO)
5-14-509 - process residue, fresh	Fats and oils, oil, fish*
5-09-334 - prot.in concentrate oil residue, solvent extracted	- process residue, fresh Fish by-products (AAFCO)
5-27-467 - protein residue, hydrolyzed dehydrated	- protein concentrate, solvent extracted Fish protein concentrate-feed grade (AAFCO)
5-01-969 - solubles, condensed	- protein residue, hydrolyzed dehydrated Fish digest residue (AAFCO)
5-01-971 - solubles, dehydrated	- solubles, condensed Condensed fish solubles (AAFCO)
5-01-973 - viscera, dehydrated ground	- solubles, dehydrated Dried fish solubles (AAFCO)
5-27-466 - whole or cuttings, hydrolyzed condensed	- viscera, meal (fish liver and glandular meal) Fish liver and glandular meal (AAFCO)
5-27-465 - whole or cuttings, hydrolyzed dehydrated	- hydrolyzed condensed Condensed fish protein digest (AAFCO)
5-01-977 - whole or cuttings oil residue, mechanical extracted ground	- hydrolyzed dehydrated Dried fish protein digest (AAFCO)
	- meal mechanical extracted Fish meal (AAFCO)
Fish, Alewife. POMOLOBUS PSEUDOHARENGUS	Fish, Alewife. POMOLOBUS PSEUDOHARENGUS
5-09-830 - whole or cuttings oil residue, mechanical extracted ground	- meal mechanical extracted
Fish, Anchoveta. ENGRAULIS RINGEN	Fish, Anchoveta. ENGRAULIS RINGEN
5-01-985 - whole or cuttings oil residue, mechanical extracted ground	- meal mechanical extracted
Fish, Carp. CYPRINUS CARPIO	Fish, Carp. CYPRINUS CARPIO
5-01-986 - whole, fresh	- whole, fresh
5-01-987 - whole or cuttings oil residue, mechanical extracted ground	- meal mechanical extracted
Fish, Catfish. ICTALURUS SPP	Fish, Catfish. ICTALURUS SPP
5-09-832 - cuttings, fresh	- cuttings, fresh
5-09-835 - whole or cuttings oil residue, mechanical extracted ground	- meal mechanical extracted
Fish, Cod. GADUS MORRHUA-GADUS MACROCEPHALUS	Fish, Cod. GADUS MORRHUA-GADUS MACROCEPHALUS
7-01-993 - liver oil	- liver oil Cod liver oil (AAFCO)
7-08-047 - liver oil vitamins A and D added	Fats and oils, liver oil (cod)* Cod, liver oil*
5-08-423 - livers, dehydrated ground	- liver oil vitamins A and D added Cod liver oil with added vitamins A and D (AAFCO)
	Fats and oils, liver oil vitamins A and D added (cod)*
	- livers, meal Livers, meal(cod)* Cod fish, liver, meal*
Fish, Hake. MERLUCCIUS SPP-UROPHYCIS SPP	Fish, Hake. MERLUCCIUS SPP-UROPHYCIS SPP
5-07-969 - whole, fresh	- whole, fresh
Fish, Herring. CLUPEA HARENGUS HARENGUS-CLUPEA HARENGUS PALLASI	Fish, Herring. CLUPEA HARENGUS HARENGUS-CLUPEA HARENGUS PALLASI
7-08-048 - oil	- oil Herring oil (AAFCO)
5-01-999 - whole, fresh	Fats and oils, oil (herring)*
5-02-000 - whole or cuttings oil residue, mechanical extracted ground	- whole, fresh - meal mechanical extracted

TABLE 6.2 (Cont.)

5-07-971	Fish, Mackerel, Atlantic. SCOMBER SCOMBRUS - whole, fresh	Fish, Mackerel, Atlantic. SCOMBER SCOMBRUS - whole, fresh
7-08-049	Fish, Menhaden. BREVOORTIA TYRANNUS - oil from process residue	Fish, Menhaden. BREVOORTIA TYRANNUS - oil from process residue Menhaden oil (AAFCO) Fats and oils, oil (menhaden)* - meal mechanical extracted
5-02-009	- whole or cuttings oil residue, mechanical extracted ground	
5-08-191	Fish, Redfish. SCIAENOPS OCELLATA - whole, fresh	Fish, Redfish. SCIAENOPS OCELLATA - whole, fresh Drum fish, whole, fresh* Ocean perch, whole, fresh* - meal mechanical extracted
5-07-973	- whole or cuttings oil residue, mechanical extracted ground	
7-02-013	Fish, Salmon. ONCORHYNCHUS SPP - liver oil	Fish, Salmon. ONCORHYNCHUS SPP - liver oil Salmon liver oil (AAFCO) Fats and oils, liver oil (salmon)* - oil from process residue Salmon oil (AAFCO) Fats and oils, oil from process residue (salmon)* - whole, fresh
7-08-050	- oil from process residue	
5-02-011	- whole, fresh	
5-02-012	Fish, Salmon. ONCORHYNCHUS SPP-SALMO SPP - whole or cuttings oil residue, mechanical extracted ground	Fish, Salmon. ONCORHYNCHUS SPP-SALMO SPP - meal mechanical extracted
7-02-016	Fish, Sardine. CLUPEA SPP-SARDINOPS SPP - oil from process residue	Fish, Sardine. CLUPEA SPP-SARDINOPS SPP - oil from process residue Sardine oil (AAFCO) Fats and oils, oil from process residue (sardine)* - solubles, condensed - whole, fresh - meal mechanical extracted
5-02-014	- solubles, condensed	
5-08-124	- whole, fresh	
5-02-015	- whole or cuttings oil residue, mechanical extracted ground	
7-02-019	Fish, Shark. SELACHII (ORDER) - liver oil	Fish, Shark. SELACHII (ORDER) - liver oil Shark liver oil (AAFCO) Fats and oils, liver oil (shark)* - meal mechanical extracted
5-02-018	- whole or cuttings oil residue, mechanical extracted ground	
5-07-976	Fish, Sole. SOLEIDAE (FAMILY) - whole, fresh	Fish, Sole. SOLEIDAE (FAMILY) - whole, fresh
7-02-024	Fish, Tuna. THUNNUS THYNNUS-THUNNUS ALBACARES - oil from process residue	Fish, Tuna. THUNNUS THYNNUS-THUNNUS ALBACARES - oil from process residue Tuna oil (AAFCO) Fats and oils, process residue oil (tuna)* - process residue, ground - whole, fresh - meal mechanical extracted
5-07-977	- process residue, ground	
5-08-130	- whole, fresh	
5-02-023	- whole or cuttings oil residue, mechanical extracted ground	
5-07-978	Fish, Turbot. PSETTA MAXIMA - whole, fresh	Fish, Turbot. PSETTA MAXIMA - whole, fresh
5-02-025	Fish, White. GADIDAE (FAMILY)-LOPHIIDAE (FAMILY) RAJIDAE (FAMILY) - whole or cuttings oil residue, mechanical extracted ground	Fish, White. GADIDAE (FAMILY)-LOPHIIDAE (FAMILY) RAJIDAE (FAMILY) - meal mechanical extracted
2-02-033	Flatpea. LATHYRUS SYLVESTRIS - aerial part, fresh	Flatpea. LATHYRUS SYLVESTRIS - fresh
1-02-030	- aerial part, sun-cured	- hay, sun-cured

TABLE 6.2 (Cont.)

	Flax. LINUM SPP		Flax. LINUM SPP
1-12-230	- fiber process residue, dehydrated or sun-cured		- fiber process residue, dehydrated Flax plant product (AAFCO)
5-12-228	- seed screenings oil residue, solvent extracted ground		- seed screenings, meal solvent extracted Flaxseed screenings meal, solvent extracted (AAFCO)
5-30-287	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted Linseed meal, mechanical extracted (AAFCO)
5-30-288	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted Linseed meal, solvent extracted (AAFCO)
1-12-229	- straw fiber process residue, ground		- straw fiber process residue, ground Flax straw by-product (AAFCO)
	Flax, Common. LINUM USITATISSIMUM		Flax, Common. LINUM USITATISSIMUM
1-02-036	- fiber process residue, dehydrated or sun-cured		- fiber process residue, dehydrated
4-02-056	- seed screenings		- seed screenings
5-02-054	- seed screenings oil residue, mechanical extracted ground		- seed screenings, meal mechanical extracted
5-02-042	- seeds, ground		- seeds, ground
5-02-045	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted (linseed meal) Linseed meal (flax), mechanical extracted*
5-02-048	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted (linseed meal) Linseed meal (flax), solvent extracted*
5-26-089	- seeds oil residue, solvent extracted ground, 33% protein		- seeds, meal solvent extracted, 33% protein
5-26-090	- seeds oil residue, solvent extracted ground, 35% protein		- seeds, meal solvent extracted, 35% protein
5-26-091	- seeds oil residue, solvent extracted ground, 37% protein		- seeds, meal solvent extracted, 37% protein
1-02-038	- straw		- straw
	Fleshings - see Animal		Fleshings - see Animal
	Folic, Acid.		Folic, Acid.
7-02-066	- Crystalline		- Crystalline Folic acid (AAFCO)
	Food Waste.		Food Waste.
4-12-175	- dehydrated		- dehydrated Dehydrated food waste (AAFCO)
	Formaldehyde Solution.		Formaldehyde Solution.
8-26-243	-		- Formaldehyde solution (AAFCO)
	Formic Acid.		Formic Acid.
8-20-739	-		- Formic acid (AAFCO)
	Fowl Meadow Grass - see Bluegrass, Fowl		Fowl Meadow Grass - see Bluegrass, Fowl
	Foxtail, Meadow. ALOPECURUS PRATENSIS		Foxtail, Meadow. ALOPECURUS PRATENSIS
2-02-073	- aerial part, fresh, early vegetative		- fresh, early vegetative Meadow foxtail, fresh*
1-02-072	- aerial part, sun-cured		- hay, sun-cured Meadow foxtail, hay, sun-cured*
	Foxtail Millet - see Millet, Foxtail		Foxtail Millet - see Millet, Foxtail
	Fringed Sagebrush - see Sagebrush, Fringed		Fringed Sagebrush - see Sagebrush, Fringed
	Furazolidone.		Furazolidone.
8-02-075	-		- Furazolidone (AAFCO)
	Furze - see Gorse, Common		Furze - see Gorse, Common
	Galleta. HILARIA JAMESII		Galleta. HILARIA JAMESII
2-05-594	- aerial part, fresh, stem cured		- fresh, stem cured
	Gamagrass. TRIPSACUM SPP		Gamagrass. TRIPSACUM SPP
1-02-081	- aerial part, sun-cured		- hay, sun-cured

TABLE 6.2 (Cont.)

2-02-086	Gamagrass, Eastern. TRIPSACUM DACTYLOIDES - aerial part, fresh	Gamagrass, Eastern. TRIPSACUM DACTYLOIDES - fresh
4-02-092	Garbage. - dehydrated	Garbage. - dehydrated Dehydrated garbage (AAFCO)
4-07-865 4-07-879	Garbage, Hotel And Restaurant. - boiled - boiled dehydrated ground	Garbage, Hotel And Restaurant. - boiled - boiled dehydrated ground
	Garbanzo - see Chickpea	Garbanzo - see Chickpea
5-14-503	Gelatin. - process residue	Gelatin. - process residue (gelatin by-products) Gelatin by-products (AAFCO)
8-02-122	Ginger. ZINGIBER OFFICINALE - tubers, dehydrated or sun-cured	Ginger. ZINGIBER OFFICINALE - tubers, dehydrated Ginger (AAFCO)
	Glands - see Animal	Glands - see Animal
5-12-247 5-30-080	Gland Tissue (animal). - dehydrated ground+ - water extracted dehydrated ground+	Gland Tissue (animal). - meal+ Glandular meal (AAFCO) - meal water extracted+ Glandular meal and extracted glandular meal (AAFCO)
5-01-595	Glutamic Acid. CORYNEBACTERIUM LILIUM - fermentation residue, condensed	Glutamic Acid. CORYNEBACTERIUM LILIUM - fermentation residue, condensed Condensed, extracted glutamic acid fermentation product (AAFCO)
5-02-127	Glycine. -	Glycine. - Glycine (AAFCO)
8-08-099	Glycyrrhizin. - ammoniated	Glycyrrhizin. - ammoniated Glycyrrhizin ammoniated (AAFCO)
5-02-128	Goat. CAPRA HIRCUS - milk, fresh	Goat. CAPRA HIRCUS - milk, fresh Milk, fresh (goat)*
2-02-132	Goldenrod. SOLIDAGO SPP - aerial part, fresh	Goldenrod. SOLIDAGO SPP - fresh
5-08-424	Goosefoot, Lambsquarters. CHENOPODIUM ALBUM - seeds	Goosefoot, Lambsquarters. CHENOPODIUM ALBUM - seeds Lambsquarters (goosefoot), seeds*
1-08-425	Gorse, Common. ULEX EUROPAEUS - browse, sun-cured	Gorse, Common. ULEX EUROPAEUS - browse, sun-cured Furze (gorse), browse, sun-cured*
	Grain - see Cereals or Specific Species	Grain - see Cereals or Specific Species
2-02-163 2-02-166 1-02-162	Grass. BOUTELOUA SPP - aerial part, fresh, early vegetative - aerial part, fresh, mature - aerial part, sun-cured	Grass. BOUTELOUA SPP - fresh, early vegetative - fresh, mature - hay, sun-cured
4-08-427 1-02-208 2-02-206	Grape. VITIS SPP - fruit, dehydrated or sun-cured, grade inferior - pomace, dehydrated or sun-cured - pomace, wet	Grape. VITIS SPP - fruit, dehydrated, grade inferior Raisins, dehydrated, cull (grapes)* - pomace, dehydrated (marc) - pomace, wet (marc)
4-01-244	Grapefruit. CITRUS PARADISI - pomace without fines, dehydrated or sun-cured	Grapefruit. CITRUS PARADISI - pomace without fines, dehydrated Dried grapefruit pomace (dried grapefruit pulp)*

TABLE 6.2 (Cont.)

Grass.		Grass.	
1-02-239	- aerial part, dehydrated, early vegetative	- dehydrated, early vegetative	
3-02-217	- aerial part, ensiled, early vegetative	- silage, early vegetative	
3-02-218	- aerial part, ensiled, early bloom	- silage, early bloom	
3-02-219	- aerial part, ensiled, stem cured	- silage, stem cured	
1-02-250	- aerial part, sun-cured	- hay, sun-cured	
1-02-212	- aerial part, sun-cured, early vegetative	- hay, sun-cured, early vegetative	
1-02-246	- aerial part, sun-cured, mature	- hay, sun-cured, mature	
1-02-215	- aerial part, sun-cured ground	- hay, sun-cured ground	
3-02-231	- aerial part dried whey added lactic acid bacteria preservative added, ensiled	Ground grass (AAFCO)	
3-02-261	- aerial part molasses added, ensiled	- aerial part dried whey added lactic acid bacteria preservative added, silage	
4-26-071	- seed screenings	- aerial part molasses added, silage	
1-08-430	- straw	- seed screenings	
		- straw	
Grass-Legume.		Grass-Legume.	
3-02-303	- aerial part, ensiled	- silage	
2-08-439	- aerial part, fresh	- fresh	
1-02-301	- aerial part, sun-cured	- hay, sun-cured	
1-02-275	- aerial part, sun-cured, early vegetative	- hay, sun-cured, early vegetative	
3-02-304	- aerial part, wilted ensiled	- silage wilted	
3-02-305	- aerial part barley grain added, ensiled	- aerial part barley grain added, silage	
3-02-267	- aerial part citrus pomace fines added, ensiled	- aerial part citrus pomace fines added, silage	
3-02-309	- aerial part molasses added, ensiled	- aerial part molasses added, silage	
Greasewood. SARCOBATUS SPP		Greasewood. SARCOBATUS SPP	
2-02-312	- browse, fresh	- browse, fresh	
Griseofulvin.		Griseofulvin.	
8-08-065	-	-	Griseofulvin (AAFCO)
Grits - see Maize; Sorghum; Verxite; Wheat		Grits - see Maize; Sorghum; Verxite; Wheat	
Groats - see Oats; Rice		Groats - see Oats; Rice	
Groundnut - see Peanut		Groundnut - see Peanut	
Groundsel, Butterweed. SENECIO SERRA		Groundsel, Butterweed. SENECIO SERRA	
2-02-325	- aerial part, fresh	- fresh	
Guaiac Gum - see Resin, Guaiac		Guaiac Gum - see Resin, Guaiac	
Guar. CYAMOPSIS TETRAGONOLOBA		Guar. CYAMOPSIS TETRAGONOLOBA	
2-02-333	- aerial part, fresh	- fresh	
1-02-327	- aerial part, sun-cured	- hay, sun-cured	
1-02-328	- leaves, sun-cured	- leaves, sun-cured	
5-05-687	- seeds without endosperm, ground	- seeds without endosperm, ground	Guar meal (AAFCO)
Guineagrass. PANICUM MAXIMUM		Guineagrass. PANICUM MAXIMUM	
2-02-345	- aerial part, fresh	- fresh	
Hair - see Animal		Hair - see Animal	
Hair (animal).		Hair (animal).	
5-30-080	- hydrolyzed+	- hydrolyzed+	Hydrolyzed hair (AAFCO)
Hardinggrass. PHALARIS TUBEROSA STENOPTERA		Hardinggrass. PHALARIS TUBEROSA STENOPTERA	
1-02-353	- aerial part, sun-cured	- hay, sun-cured	
Hegari - see Sorghum, Hegari		Hegari - see Sorghum, Hegari	
Hemicellulose Extract.		Hemicellulose Extract (masonex).	
4-08-030	-	-	Hemicellulose extract (AAFCO) Masonex®
Herring - see Fish, Herring		Herring - see Fish, Herring	
Hog Millet - see Millet, Proso		Hog Millet - see Millet, Proso	
Hominy - see Maize		Hominy - see Maize	

TABLE 6.2 (Cont.)

2-08-447	Honeysuckle, Japanese. LONICERA JAPONICA - browse, fresh	Honeysuckle, Japanese. LONICERA JAPONICA - browse, fresh
5-02-396	Hop, Common. HUMULUS LUPULUS - fruit (hops), spent dehydrated	Hop, Common. HUMULUS LUPULUS - fruit (hops), spent dehydrated Dried spent hops (AAFCO)
	Hop Clover - see Clover, Hop	Hop Clover - see Clover, Hop
5-07-980	Horse. EQUUS CABALLUS - meat, fresh	Horse. EQUUS CABALLUS - meat, fresh
5-07-981	- meat with bone, fresh	- meat with bone, fresh
5-02-401	- milk, fresh	- milk, fresh Milk, fresh (horse)*
3-02-406	Horsebean. VICIA FABA EQUINA - aerial part, ensiled	Horsebean. VICIA FABA EQUINA - silage
2-02-405	- aerial part, fresh	- fresh
1-02-402	- aerial part, sun-cured	- hay, sun-cured
5-02-407	- seeds	- seeds
1-02-404	- straw	- straw
4-02-409	Horsechestnut, Common. AESCULUS HIPPOCASTANUM - kernels with coats	Horsechestnut, Common. AESCULUS HIPPOCASTANUM - kernels with coats
	Hyacinth Bean - see Dolichos, Hyacinth	Hyacinth Bean - see Dolichos, Hyacinth
8-02-415	Hygromycin B (in Chicken Feeds). -	Hygromycin B (in Chicken Feeds). - Hygromycin B (in chicken feeds) (AAFCO)
	Indian Ricegrass - see Ricegrass, Indian	Indian Ricegrass - see Ricegrass, Indian
2-08-770	Indiangrass. SORGHASTRUM SPP - aerial part, fresh	Indiangrass. SORGHASTRUM SPP - fresh
1-02-425	Indigo. INDIGOFERA SPP - aerial part, sun-cured, cut 1	Indigo. INDIGOFERA SPP - hay, sun-cured, cut 1
7-09-354	Inositol. -	Inositol. - Inositol (AAFCO)
	Iodized Salt - see Salt	Iodized Salt - see Salt
8-09-829	Ipronidazole. -	Ipronidazole. - Ipronidazole (AAFCO)
6-02-429	Iron. - reduced	Iron. - reduced Iron, reduced (AAFCO)
6-26-150	Iron, Proteinate. -	Iron, Proteinate. - Iron protinate (AAFCO)
	Iron - see Ferric or Ferrous	Iron - see Ferric or Ferrous
8-09-898	Iron Polysaccharide Complex. -	Iron Polysaccharide Complex. - Iron polysaccharide complex (AAFCO)
4-02-433	Ivorypalm, Common. PHYTELEPHAS MACROCARPA - kernels with coats oil residue, solvent extracted ground	Ivorypalm, Common. PHYTELEPHAS MACROCARPA - kernels with coats, meal solvent extracted
2-02-434	Jackbean, Common. CANAVALLIA ENSIFORMIS - aerial part, fresh	Jackbean, Common. CANAVALLIA ENSIFORMIS - fresh
5-02-435	- seeds	- seeds
	Japanese Millet-Soybean - see Barnyardgrass-Soybean	Japanese Millet-Soybean - see Barnyardgrass-Soybean

TABLE 6.2 (Cont.)

4-08-448	Jobstears. COIX LACRYMAJOB1 - seeds		Jobstears. COIX LACRYMAJOB1 - seeds (adlay) Adlay (job's tears), seeds*
	Johnsongrass - see Sorghum, Johnsongrass		Johnsongrass - see Sorghum, Johnsongrass
2-02-437	Junegrass. KOELERIA CRISTATA - aerial part, fresh, early vegetative		Junegrass. KOELERIA CRISTATA - fresh, early vegetative
2-02-440	- aerial part, fresh, post ripe		- fresh, post ripe
1-02-436	- aerial part, sun-cured		- hay, sun-cured
	Kafir - see Sorghum, Kafir		Kafir - see Sorghum, Kafir
2-02-446	Kale. BRASSICA OLERACEA ACEPHALA - aerial part, fresh		Kale. BRASSICA OLERACEA ACEPHALA - fresh
	Kalo - see Sorghum, Kalo		Kalo - see Sorghum, Kalo
	Kaoliang - see Sorghum, Kaoliang		Kaoliang - see Sorghum, Kaoliang
8-08-040	Kaolin. -		Kaolin. - Kaolin (AAFCO)
5-02-468	Kapok. CEIBA PENTANDRA - seeds oil residue, mechanical extracted ground, 30% protein		Kapok. CEIBA PENTANDRA - seeds, meal mechanical extracted, 30% protein
5-02-469	- seeds oil residue, mechanical extracted ground, 40% protein		- seeds, meal mechanical extracted, 40% protein
	Kelp - see Seaweed		Kelp - see Seaweed
	Kentucky Bluegrass - see Bluegrass, Kentucky		Kentucky Bluegrass - see Bluegrass, Kentucky
	Kidney Bean - see Bean, Kidney		Kidney Bean - see Bean, Kidney
2-05-666	Kikuyugrass. PENNISETUM CLANDESTINUM - aerial part, fresh, early vegetative		Kikuyugrass. PENNISETUM CLANDESTINUM - fresh, early vegetative
	Koa Hoale - see Leadtree		Koa Hoale - see Leadtree
	Kochia - see Summercypress, Belvedere		Kochia - see Summercypress, Belvedere
2-02-477	Kohlrabi. BRASSICA OLERACEA GONGYLODES - aerial part, fresh		Kohlrabi. BRASSICA OLERACEA GONGYLODES - fresh
2-02-482	Kudzu. PUERARIA SPP - aerial part, fresh		Kudzu. PUERARIA SPP - fresh
1-02-478	- aerial part, sun-cured		- hay, sun-cured
5-08-022	L-Lysine. -		L-Lysine. - L-lysine (AAFCO)
5-08-092	L-Threonine. -		L-Threonine. - L-threonine (AAFCO)
5-30-083	Lactosylurea. -		Lactosylurea. - Lactosylurea (AAFCO)
	Ladino Clover - see Clover, Ladino		Ladino Clover - see Clover, Ladino
	Ladino Clover-Grass - see Clover, Ladino-Grass		Ladino Clover-Grass - see Clover, Ladino-Grass
	Lambsquarters - see Goosefoot, Lambsquarters		Lambsquarters - see Goosefoot, Lambsquarters
	Lasalocid Sodium - see Sodium, Lasalocid		Lasalocid Sodium - see Sodium, Lasalocid
1-02-492	Leadtree, Whitepopinac. LEUCAENA GLAUCA - aerial part, sun-cured		Leadtree, Whitepopinac. LEUCAENA GLAUCA - hay, sun-cured
2-02-495	- browse, fresh		Koa hoale (leadtree), hay, sun cured* - browse, fresh Koa hoale (leadtree), browse, fresh*

TABLE 6.2 (Cont.)

Leather - see Animal	Leather - see Animal
Leather (animal).	Leather (animal).
5-08-998 - hydrolyzed dehydrated ground+	- meal hydrolyzed+
	Hydrolyzed leather meal (AAFCO)
Lecithin.	Lecithin.
8-08-041 -	-
	Lecithin (AAFCO)
Legume-Grass.	Legume-Grass.
3-08-598 - aerial part, ensiled	- silage
Lemon. CITRUS LIMON	Lemon. CITRUS LIMON
4-01-247 - pomace without fines, dehydrated or sun-cured	- pomace, without fines, dehydrated (dried lemon pulp)
	Citrus, lemon, pomace without fines, dehydrated (dried lemon pulp)*
Lentil, Common. LENS CULINARIS	Lentil, Common. LENS CULINARIS
5-02-506 - seeds	- seeds
Lespedeza. LESPEDEZA SPP	Lespedeza. LESPEDEZA SPP
1-02-523 - aerial part, sun-cured ground	- hay, sun-cured ground (lespedeza meal)
	Lespedeza meal (AAFCO)
1-02-529 - stems, sun-cured ground	- stems, sun-cured ground (lespedeza stem meal)
	Lespedeza stem meal (AAFCO)
Lespedeza, Chinese. LESPEDEZA CUNEATA	Lespedeza, Chinese. LESPEDEZA CUNEATA
3-02-614 - aerial part, ensiled	- silage
2-02-611 - aerial part, fresh	- fresh
2-02-609 - aerial part, fresh, early vegetative	- fresh, early vegetative
2-02-610 - aerial part, fresh, full bloom	- fresh, full bloom
1-02-607 - aerial part, sun-cured	- hay, sun-cured
1-09-172 - aerial part, sun-cured, late vegetative	- hay, sun-cured, late vegetative
1-02-600 - aerial part, sun-cured, early bloom	- hay, sun-cured, early bloom
1-09-173 - aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom
1-02-601 - aerial part, sun-cured, full bloom	- hay, sun-cured, full bloom
5-08-457 - seeds	- seeds
Lespedeza, Common. LESPEDEZA STRIATA	Lespedeza, Common. LESPEDEZA STRIATA
2-20-879 - aerial part, fresh, early vegetative	- fresh, early vegetative
2-20-880 - aerial part, fresh, early bloom	- fresh, early bloom
2-02-567 - aerial part, fresh, mature	- fresh, mature
1-08-591 - aerial part, sun-cured	- hay, sun-cured
1-20-881 - aerial part, sun-cured, late vegetative	- hay, sun-cured, late vegetative
1-20-882 - aerial part, sun-cured, early bloom	- hay, sun-cured, early bloom
1-02-554 - aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom
1-20-887 - aerial part, sun-cured, full bloom	- hay, sun-cured, full bloom
1-02-564 - leaves, sun-cured	- leaves, sun-cured
1-02-565 - stems, sun-cured	- stems, sun-cured
1-08-452 - straw	- straw
Lespedeza, Korean. LESPEDEZA STIPULACEA	Lespedeza, Korean. LESPEDEZA STIPULACEA
2-02-598 - aerial part, fresh	- fresh
1-02-592 - aerial part, sun-cured	- hay, sun-cured
Lespedeza, Common-Lespedeza, Korean. LESPEDEZA STRIATA-LESPEDEZA STIPULACEA	Lespedeza, Common-Lespedeza, Korean. LESPEDEZA STRIATA-LESPEDEZA STIPULACEA
3-08-455 - aerial part, ensiled	- silage
2-26-029 - aerial part, fresh	- fresh
2-26-028 - aerial part, fresh, late vegetative	- fresh, late vegetative
2-20-885 - aerial part, fresh, early bloom	- fresh, early bloom
2-26-032 - aerial part, fresh, mature	- fresh, mature
1-26-035 - aerial part, sun-cured	- hay, sun-cured
1-26-024 - aerial part, sun-cured, late vegetative	- hay, sun-cured, late vegetative
1-26-025 - aerial part, sun-cured, early bloom	- hay, sun-cured, early bloom
1-26-026 - aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom
1-26-027 - aerial part, sun-cured, full bloom	- hay, sun-cured, full bloom
5-08-456 - seeds	- seeds
Lettuce. LACTUCA SATIVA	Lettuce. LACTUCA SATIVA
2-02-624 - aerial part, fresh	- fresh
2-02-625 - waste, fresh	- waste, fresh

TABLE 6.2 (Cont.)

8-09-826	Levamisole Hydrochloride. -	Levamisole Hydrochloride. - Levamisole hydrochloride (AAFCO)
2-02-626	Lichen. LICHEN PLANUS - aerial part, fresh	Lichen. LICHEN PLANUS - fresh
8-29-786	Lignin Sulfonate. - condensed	Lignin Sulfonate. - condensed
8-02-627	- dehydrated	Lignin sulfonate condensed (AAFCO) - dehydrated Lignin sulfonate (AAFCO)
	Lima Bean - see Bean, Lima	Lima Bean - see Bean, Lima
6-02-633	Limestone. - dolomitic, ground	Limestone. - dolomitic, ground (limestone, magnesium) Limestone, dolomitic (AAFCO) Dolomite limestone, ground (limestone, magnesium)*
6-02-632	- ground	- ground Limestone, ground (AAFCO)
6-06-934	Limestone, Magnesium. - ground	Limestone, Magnesium. - ground Limestone, magnesium (AAFCO)
8-09-372	Lincomycin. -	Lincomycin. - Lincomycin (AAFCO)
8-12-192	Lincomycin Hydrochloride. -	Lincomycin Hydrochloride. - Lincomycin hydrochloride (AAFCO)
	Linseed - see Flax	Linseed - see Flax
5-30-287	Linseed (flax). - seeds oil residue, mechanical extracted ground+	Linseed (flax). - seeds, meal mechanical extracted+
5-30-288	- seeds oil residue, solvent extracted ground+	Linseed meal, mechanical extracted (AAFCO) - seeds, meal solvent extracted+
5-02-045	Linseed (flax, common). - seeds oil residue, mechanical extracted ground+	Linseed meal, solvent extracted (AAFCO)
5-02-048	- seeds oil residue, solvent extracted ground+	Linseed (flax, common). - seeds, meal mechanical extracted+
	Livers - see Animal; Cattle; Fish; Sheep; Swine; Whale	Livers - see Animal; Cattle; Fish; Sheep; Swine; Whale
5-26-099	Locust, New Mexico. ROBINIA NEOMEXICANA - pods with seeds, dehydrated	Locust, New Mexico. ROBINIA NEOMEXICANA - pods with seeds, dehydrated
5-09-055	- seeds	- seeds
2-02-647	Lovegrass. ERAGROSTIS SPP - aerial part, fresh, early vegetative	Lovegrass. ERAGROSTIS SPP - fresh, early vegetative
	Lucerne - see Alfalfa	Lucerne - see Alfalfa
2-02-740	Lupine, White. LUPINUS ALBUS - aerial part, fresh	Lupine, White. LUPINUS ALBUS - fresh
5-08-458	Lupine, Yellow, Sweet. LUPINUS LUTEUS - seeds	Lupine, Yellow, Sweet. LUPINUS LUTEUS - seeds
6-02-754	Magnesium, Carbonate. - $MgCO_3 \cdot Mg(OH)_2$	Magnesium, Carbonate. - $MgCO_3 \cdot Mg(OH)_2$ Magnesium carbonate (AAFCO)

TABLE 6.2 (Cont.)

	Magnesium, Chloride.		Magnesium, Chloride.
6-20-872	- MgCl ₂		- MgCl ₂ Magnesium chloride (AAFCO)
	Magnesium, Hydroxide.		Magnesium, Hydroxide.
6-26-012	- Mg(OH) ₂		- Mg(OH) ₂ Magnesium hydroxide (AAFCO)
	Magnesium, Oxide.		Magnesium, Oxide.
6-02-756	- MgO		- MgO Magnesium oxide (AAFCO)
	Magnesium, Proteinate.		Magnesium, Proteinate.
6-26-149	-		- Magnesium proteinate (AAFCO)
	Magnesium, Sulfate.		Magnesium, Sulfate.
6-02-758	- heptahydrate, MgSO ₄ .7H ₂ O		- heptahydrate, MgSO ₄ .7H ₂ O Magnesium sulfate (AAFCO)
	Maize, ZEA MAYS		Maize, ZEA MAYS
1-02-768	- aerial part, dehydrated ground		- aerial part, dehydrated ground Dehydrated corn plant (AAFCO)
3-02-822	- aerial part, ensiled		- silage
3-02-817	- aerial part, ensiled, early vegetative		- silage, early vegetative
3-02-818	- aerial part, ensiled, milk stage		- silage, milk stage
3-02-819	- aerial part, ensiled, dough stage		- silage, dough stage
3-02-820	- aerial part, ensiled, mature		- silage, mature
3-02-821	- aerial part, ensiled, post ripe		- silage, post ripe
3-20-507	- aerial part, ensiled, less than 30% dry matter		- silage, less than 30% dry matter
3-20-506	- aerial part, ensiled, 30-50% dry matter		- silage, 30-50% dry matter
3-20-505	- aerial part, ensiled, more than 50% dry matter		- silage, more than 50% dry matter
2-02-799	- aerial part, fresh		- fresh
2-02-802	- aerial part, fresh, milk stage		- fresh, milk stage
2-02-804	- aerial part, fresh, mature		- fresh, mature
1-02-775	- aerial part, sun-cured		- aerial part with ears, sun-cured (fodder)
1-02-771	- aerial part, sun-cured, dough stage		- aerial part with ears, sun-cured, dough stage (fodder)
1-02-772	- aerial part, sun-cured, mature		- aerial part with ears, sun-cured, mature (fodder)
1-08-390	- aerial part, sun-cured, weather damaged		- aerial part, sun-cured, weather damaged (fodder)
3-02-834	- aerial part molasses added, ensiled		- aerial part molasses added, silage
2-02-809	- aerial part without ears without husks, fresh		- aerial part without ears without husks, fresh
1-02-776	- aerial part without ears without husks, sun-cured		- aerial part without ears without husks, sun-cured (stover) (straw)
1-08-096	- bagasse, dehydrated		- bagasse, dehydrated Corn plant pulp (AAFCO)
4-02-841	- bran		- bran Corn bran (AAFCO)
1-02-779	- cob fractions, screened		- cob fractions, screened Corn cob fractions (AAFCO)
1-02-780	- cobs, dehydrated coarse ground		- cobs, coarse ground Dehydrated coarse ground corn cobs (AAFCO)
1-02-781	- cobs, dehydrated fine ground		- cobs, fine ground Dehydrated fine ground corn cobs (AAFCO)
1-02-782	- cobs, ground		- cobs, ground Ground corn cob (AAFCO)
5-02-842	- distillers grains, dehydrated		- distillers grains, dehydrated Corn distillers dried grains (AAFCO)
5-02-843	- distillers grains with solubles, dehydrated		- distillers grains with solubles, dehydrated Corn distillers dried grains with solubles (AAFCO)
5-12-211	- distillers solubles, condensed		- distillers solubles, condensed Corn condensed distillers solubles (AAFCO)
5-02-844	- distillers solubles, dehydrated		- distillers solubles, dehydrated Corn distillers dried solubles (AAFCO)
3-07-740	- ears, ensiled		- ears, silage
4-02-849	- ears, ground		- ears, ground (maize and cob meal) Corn and cob meal (AAFCO) Ear corn chop (AAFCO) Ground ear corn (AAFCO)
3-02-839	- ears with husks, ensiled		- ears with husks, silage

TABLE 6.2 (Cont.)

Maize (Cont.)		Maize (Cont.)	
4-02-850	- ears with husks, ground	- ears with husks, ground (maize and cob meal with husks)	
		Corn and cob meal with husks (AAFCO)	
		Ear corn chop with husks (AAFCO)	
		Ground ear corn with husks (AAFCO)	
4-02-852	- endosperm oil	Ground snapped corn*	
		- endosperm oil	
		Corn endosperm oil (AAFCO)	
5-02-890	- extractives, fermented condensed	Fats and oils, endosperm oil, corn*	
		- extractives, fermented condensed	
5-09-333	- extractives with germ with bran, condensed fermented dehydrated	Condensed fermented corn extractives (AAFCO)	
		- extractives with germ with bran, condensed fermented dehydrated	
		Condensed fermented corn extractives with germ meal and bran, dehydrated (AAFCO)	
4-08-024	- flour	- flour	
		Corn flour (AAFCO)	
5-08-397	- furfural residue, ammoniated	- furfural residue, ammoniated	
4-07-882	- germ oil	- germ oil	
		Fats and oils, oil, corn*	
5-02-894	- germs oil residue, dry milled mechanical extracted ground	- germs, meal mechanical extracted	
		Corn germ meal (dry milled) (AAFCO)	
5-02-897	- germs without extractives oil residue, wet milled mechanical extracted ground	- germs without extractives, meal mechanical extracted	
		Corn germ meal, mechanical extracted, (wet milled) (AAFCO)	
5-02-898	- germs without extractives oil residue, wet milled solvent extracted ground	- germs without extractives, meal solvent extracted	
		Corn germ meal, solvent extracted, (wet milled) (AAFCO)	
5-02-900	- gluten, wet milled dehydrated ground	- gluten, meal	
		Corn gluten meal (AAFCO)	
5-02-901	- gluten low glutamic acid, hydrolyzed dehydrated	- gluten, hydrolyzed	
		Hydrolyzed corn protein (AAFCO)	
5-02-903	- gluten with bran, wet milled dehydrated ground	- gluten with bran (maize gluten feed)	
		Corn gluten feed (AAFCO)	
4-02-854	- grain, cracked	- grain, cracked	
		Cracked corn (AAFCO)	
4-02-862	- grain, cracked screened	- grain, cracked screened	
		Screened cracked corn (AAFCO)	
4-02-859	- grain, flaked	- grain, flaked	
		Flaked corn (AAFCO)	
4-02-860	- grain, flaked toasted	- grain, flaked toasted	
		Toasted corn flakes (AAFCO)	
4-02-861	- grain, ground	- grain, ground	
		Corn chop (AAFCO)	
		Corn meal (AAFCO)	
		Ground corn (AAFCO)	
4-29-354	- grain, heat processed	- grain, heat processed	
		Heat processed corn (AAFCO)	
4-02-863	- grain, heat processed flaked	- grain, heat processed flaked	
		Heat processed corn, flaked (AAFCO)	
4-02-864	- grain, heat processed ground	- grain, heat processed ground	
		Heat processed corn, ground (AAFCO)	
4-02-865	- grain, heat processed pelleted	- grain, heat processed pelleted	
		Heat processed corn, pelleted (AAFCO)	
4-28-211	- grain, hydrolyzed liquid	- grain, hydrolyzed liquid (liquified maize product)	
		liquified corn product (AAFCO)	
4-02-866	- grain, kibbled	- grain, kibbled	
		Kibbled corn (AAFCO)	
4-02-880	- grain fines	- grain fines (maize feed meal)	
		Corn feed meal (AAFCO)	
4-20-687	- grain screenings	- screenings	
		Corn grain screenings (AAFCO)	
4-02-889	- grain starch	- starch	
4-08-023	- grain starch, heat hydrolyzed	- starch, heat hydrolyzed	
		Malto dextrin (AAFCO)	
4-02-886	- grits	- grits (hominy grits)	
		Corn grits (AAFCO)	
		Hominy grits (AAFCO)	

TABLE 6.2 (Cont.)

Maize (Cont.)		Maize (Cont.)	
4-02-887	- grits by-product		- grits by-product (hominy feed) Hominy feed (AAFCO) Hominy feed (corn)*
4-08-025	- grits by-product oil residue, solvent extracted		- grits by-product, solvent extracted (hominy feed) Solvent extracted hominy feed (AAFCO) Hominy feed, solvent extracted*
3-26-074	- husks, ensiled		- husks, silage (husklage)
1-02-785	- husks, sun-cured		- husks, sun-cured
1-02-788	- leaves, sun-cured		- leaves, sun-cured
4-02-888	- molasses		- molasses Molasses and syrup, corn, molasses*
4-02-892	- syrup, dehydrated		- syrup, dehydrated Dried corn syrup (AAFCO)
4-02-893	- syrup process residue		Molasses and syrup, corn, syrup dehydrated* - syrup process residue Corn syrup refinery insolubles, feed grade (AAFCO)
2-08-391	- top of aerial part with leaves, fresh		- top of aerial part with leaves, fresh
Maize, Dent White. ZEA MAYS INDENTATA		Maize, Dent White. ZEA MAYS INDENTATA	
4-02-928	- grain		- grain
4-02-990	- grits by-product		- grits by-product (hominy feed) White hominy feed (AAFCO)
Maize, Dent Yellow, Opaque 2. ZEA MAYS INDENTATA		Maize, Dent Yellow, Opaque 2. ZEA MAYS INDENTATA	
4-28-253	- grain		- grain (high lysine)
Maize, Dent Yellow. ZEA MAYS INDENTATA		Maize, Dent Yellow. ZEA MAYS INDENTATA	
3-02-912	- aerial part, ensiled		- silage
3-08-402	- aerial part, ensiled, milk stage		- silage, milk stage
3-28-246	- aerial part, ensiled, dough stage		- silage, dough stage
3-28-245	- aerial part, ensiled, few ears		- silage, few ears
3-28-250	- aerial part, ensiled, well eared		- silage, well eared
1-28-231	- aerial part, sun-cured		- aerial part with ears, sun-cured (fodder)
1-28-232	- aerial part, sun-cured, mature		- aerial part, sun-cured, mature
3-28-251	- aerial part without ears without husks, ensiled		- silage, aerial part without ears without husks (stalklage) (stover)
3-28-252	- aerial part without ears without husks, ensiled, milk stage		- aerial part without ears without husks, silage, milk stage
1-28-233	- aerial part without ears without husks, sun-cured		- aerial part without ears without husks, sun-cured (stover) (straw)
1-28-234	- cobs, ground		- cobs, ground
5-28-235	- distillers grains, dehydrated		- distillers grains, dehydrated
5-28-236	- distillers grains with solubles, dehydrated		- distillers grains with solubles, dehydrated
5-28-237	- distillers solubles, dehydrated		- distillers solubles, dehydrated
4-28-238	- ears, ground		- ears, ground (maize and cob meal)
3-28-239	- ears with husks, ensiled		- ears with husks, silage
5-28-240	- germs without extractives oil residue, wet milled solvent extracted ground		- germs without extractives, meal solvent extracted Corn, dent yellow, germs, meal wet milled solvent extracted*
5-28-241	- gluten, wet milled dehydrated ground		- gluten, meal
5-28-242	- gluten, wet milled dehydrated ground, 60% protein		- gluten, meal, 60% protein
5-28-243	- gluten with bran, wet milled dehydrated ground		- gluten with bran (maize gluten feed)
4-02-935	- grain		- grain
4-02-853	- grain, boiled dehydrated		- grain, boiled dehydrated
4-20-698	- grain, cracked		- grain, cracked
4-28-244	- grain, flaked		- grain, flaked
4-26-023	- grain, ground		- grain, ground
4-02-930	- grain, grade 1 72.1 kg/hl		- grain, grade 1 72.1 kg/hl (56 lb/bushel) Corn, grain, dent yellow, grade 1 72.1 kg/hl or 56 lb bushel*
4-02-931	- grain, grade 2 69.5 kg/hl		- grain, grade 2 69.5 kg/hl (54 lb/bushel) Corn, grain, dent yellow, grade 2 69.5 kg/hl or 54 lb/bushel*
4-02-932	- grain, grade 3 66.9 kg/hl		- grain, grade 3 66.9 kg/hl (52 lb/bushel) Corn, grain, dent yellow, grade 3 66.9 kg/hl or 52 lb/bushel*
4-02-933	- grain, grade 4 63.1 kg/hl		- grain, grade 4 63.1 kg/hl (49 lb/bushel) Corn, grain, dent yellow, grade 4 63.1 kg/hl or 49 lb/bushel*

TABLE 6.2 (Cont.)

Maize (Cont.)	Maize (Cont.)
4-02-934 - grain, grade 5 59.2 kg/hl	- grain, grade 5 59.2 kg/hl (46 lb/bushel) Corn, grain, dent yellow, grade 5 59.2 kg/hl or 46 lb/bushel*
4-20-770 - grain, high moisture	- grain, high moisture
4-02-929 - grain, grade inferior	- grain, grade inferior
4-03-010 - grits, cracked screened	- grits, cracked screened
4-03-011 - grits by-product	- grits by-product (hominy feed) Yellow hominy feed (AAFCO)
Maize, Flint. ZEA MAYS INDURATA	Maize, Flint. ZEA MAYS INDURATA
3-02-941 - aerial part, ensiled	- silage
4-02-948 - grain	- grain
Maize, Opaque 2. ZEA MAYS	Maize, Opaque 2. ZEA MAYS
4-11-445 - grain	- grain (high lysine)
Maize, Pop. ZEA MAYS EVERTA	Maize, Pop. ZEA MAYS EVERTA
4-02-964 - grain	- grain Pop corn, grain*
Maize, Sweet. ZEA MAYS SACCHARATA	Maize, Sweet. ZEA MAYS SACCHARATA
1-08-407 - aerial part, sun-cured	- aerial part with ears, sun-cured (fodder)
2-02-969 - aerial part without ears without husks, fresh	- aerial part without ears without husks, fresh Sweet corn, aerial part without ears without husks, fresh*
4-08-408 - ears with husks, fresh	- ears with husks, fresh Sweet corn, ears with husks, fresh*
4-02-977 - grain	- grain Sweet corn, grain*
3-07-955 - process residue, ensiled	- process residue, silage Sweet corn, cannery residue, silage*
2-02-975 - process residue, fresh	- process residue, fresh Sweet corn, cannery residue, fresh*
Maize-Sorghum. ZEA MAYS-SORGHUM BICOLOR	Maize-Sorghum. ZEA MAYS-SORGHUM BICOLOR
3-03-013 - aerial part, ensiled, mature	- silage, mature
4-08-037 - grain starch molasses	- starch molasses Starch molasses (AAFCO)
Maize-Soybean. ZEA MAYS-GLYCINE MAX	Maize-Soybean. ZEA MAYS-GLYCINE MAX
3-03-015 - aerial part, ensiled	- silage
Maize-Sunflower. ZEA MAYS-HELIANTHUS SPP	Maize-Sunflower. ZEA MAYS-HELIANTHUS SPP
2-03-016 - aerial part, fresh	- fresh
Manganese, Acetate.	Manganese, Acetate.
6-03-034 - tetrahydrate, $Mn(C_2H_3O_2)_2 \cdot 4H_2O$	- tetrahydrate, $Mn(C_2H_3O_2)_2 \cdot 4H_2O$ Manganese acetate (AAFCO)
Manganese, Dioxide.	Manganese, Dioxide.
6-03-042 - MnO_2	- MnO_2
Manganese, Orthophosphate.	Manganese, Orthophosphate.
6-03-046 - trihydrate, $Mn_3(PO_4)_2 \cdot 3H_2O$	- trihydrate, $Mn_3(PO_4)_2 \cdot 3H_2O$ Manganese orthophosphate (AAFCO)
Manganese, Phosphate.	Manganese, Phosphate.
6-03-048 - dibasic, $MnHPO_4$	- dibasic, $MnHPO_4$ Manganese phosphate (dibasic) (AAFCO)
Manganous, Carbonate.	Manganous, Carbonate.
6-03-036 - $MnCO_3$	- $MnCO_3$ Manganese carbonate (AAFCO)
Manganous, Chloride.	Manganous, Chloride.
6-03-038 - tetrahydrate, $MnCl_2 \cdot 4H_2O$	- tetrahydrate, $MnCl_2 \cdot 4H_2O$ Manganese chloride (AAFCO)
Manganous, Citrate.	Manganous, Citrate.
6-03-040 - soluble, $Mn_3(C_6H_5O_7)_2$	- soluble, $Mn_3(C_6H_5O_7)_2$ Manganese citrate (soluble) (AAFCO)

TABLE 6.2 (Cont.)

6-03-044	Manganous, Gluconate. - $Mn(C_6H_{11}O_7)_2$		Manganous, Gluconate. - $Mn(C_6H_{11}O_7)_2$ Manganese gluconate (AAFCO)
6-03-054	Manganous, Oxide. - MnO		Manganous, Oxide. - MnO Manganous oxide (AAFCO)
6-03-050	Manganous, Sulfate. - tetrahydrate, $MnSO_4 \cdot 4H_2O$		Manganous, Sulfate. - tetrahydrate, $MnSO_4 \cdot 4H_2O$ Manganese sulfate (AAFCO)
	Mangels - see Beet, Mangel		Mangels - see Beet, Mangel
	Manihot - see Cassava, Manihot		Manihot - see Cassava, Manihot
	manure - see Cattle; Poultry		Manure - see Cattle; Poultry
1-01-190	Manure (cattle). - dehydrated+		Manure (cattle). - dehydrated+
1-28-213	- dehydrated, all forage+		- dehydrated, all forage+
1-28-214	- dehydrated, forage and concentrate+		- dehydrated, forage and concentrate+
5-05-587	Manure And Litter (poultry). - dehydrated+		Manure And Litter (poultry). - dehydrated+
2-03-062	Maple, Red. ACER RUBRUM - browse, fresh		Maple, Red. ACER RUBRUM - browse, fresh
8-05-696	Marigold, Aztec. TAGETES ERECTA - flower extract, dehydrated ground		Marigold, Aztec. TAGETES ERECTA - flower extract, meal Tagetes (aztec marigold) meal and extract (AAFCO)
1-03-182	Marsh Plants. - aerial part, sun-cured		Marsh Plants. - hay, sun-cured
	Masonex - see Hemicellulose		Masonex - see Hemicellulose
	Meadow Fescue - see Fescue, Meadow		Meadow Fescue - see Fescue, Meadow
	Meadow Foxtail - see Foxtail, Meadow		Meadow Foxtail - see Foxtail, Meadow
1-03-181	Meadow Plants, Intermountain. - aerial part, sun-cured		Meadow Plants, Intermountain. - hay, sun-cured
	Meat - see Animal; Horse; Whale		Meat - see Animal; Horse; Whale
5-00-385	Meat (animal). - carcass residue, dry rendered ground+		Meat (animal). - meal rendered Meat meal (AAFCO)
5-00-394	- fresh+		- fresh+ Meat (AAFCO)
5-05-160	Meat (whale). - dry rendered ground+		Meat (whale). - meal rendered+
5-07-986	- fresh+		- fresh+
5-00-395	Meat By-Products (animal). - fresh+		Meat By-Products (animal). - fresh+ Meat by-products (AAFCO)
5-00-393	Meat Solubles (animal). - dehydrated+		Meat Solubles (animal). - dehydrated+ Dried meat solubles (AAFCO)
5-00-388	Meat With Bone (animal). - carcass residue with bone, dry rendered ground+		Meat With Bone (animal). - meal rendered+ Meat and bone meal (AAFCO)

TABLE 6.2 (Cont.)

2-03-070	Medic, Black. MEDICAGO LUPULINA - aerial part, fresh		Medic, Black. MEDICAGO LUPULINA - fresh Trefoil, yellow (medic, black), fresh* Yellow trefoil (medic, black), fresh*
8-08-817	Melengestrol Acetate (MGA). -		Melengestrol Acetate (MGA). - Melengestrol acetate (AAFCO)
2-03-075	Melic, Coastrange. MELICA IMPERFECTA - aerial part, fresh		Melic, Coastrange. MELICA IMPERFECTA - fresh Oniongrass (melic), fresh*
7-08-102	Menadione Dimethylpyrimidinal Bisulfite. - Crystalline		Menadione Dimethylpyrimidinal Bisulfite. - Crystalline Menadione dimethylpyrimidinal bisulfite (AAFCO)
7-03-077	Menadione Sodium Bisulfite. -		Menadione Sodium Bisulfite. - Menadione sodium bisulfite (AAFCO)
7-03-078	Menadione Sodium Bisulfite Complex. -		Menadione Sodium Bisulfite Complex. - Menadione sodium bisulfite complex (AAFCO)
	Menhaden - see Fish, Menhaden		Menhaden - see Fish, Menhaden
2-03-081	Mesquite, Common. PROSOPIS CHILENSIS - browse, fresh		Mesquite, Common. PROSOPIS CHILENSIS - browse, fresh
4-10-398	- pods with seeds, sun-cured		- pods with seeds, sun-cured
8-03-088	Methylparaben. -		Methylparaben. - Methylparaben (AAFCO)
	Middlings - see Buckwheat; Rye; Wheat		Middlings - see Buckwheat; Rye; Wheat
	Milk - see Cattle; Goat; Horse; Sheep; Swine		Milk - see Cattle; Goat; Horse; Sheep; Swine
5-01-167	Milk (cattle). - dehydrated+		Milk (cattle). - dehydrated+
5-01-168	- fresh+		Dried whole milk, feed grade (AAFCO) - fresh+
5-08-537	Milk (swine). - fresh+		Milk (swine). - fresh (swine)+
5-08-044	Milk Protein (cattle). - dehydrated+		Milk Protein (cattle). - dehydrated+ Dried milk protein (AAFCO)
5-09-137	Milkweed, Common. ASCLEPIAS SYRIACA - seeds		Milkweed, Common. ASCLEPIAS SYRIACA - seeds
4-03-098	Millet. SETARIA SPP - grain		Millet. SETARIA SPP - grain
2-03-101	Millet, Foxtail. SETARIA ITALICA - aerial part, fresh		Millet, Foxtail. SETARIA ITALICA - fresh
1-03-099	- aerial part, sun-cured		- hay, sun-cured Foxtail millet, hay, sun-cured*
4-03-102	- grain		- grain
1-03-095	- straw		- straw
2-03-811	Millet, Proso. PANICUM MILIACEUM - aerial part, fresh		Millet, Proso. PANICUM MILIACEUM - fresh
1-03-119	- aerial part, sun-cured		- hay, sun-cured Broomcorn (millet, proso), hay, sun-cured*
3-08-460	- aerial part without heads, ensiled		- aerial part without heads, silage Broomcorn (millet, proso), aerial part without heads, silage (stover)*

TABLE 6.2 (Cont.)

Millet, Proso (Cont.)	Millet, Proso (Cont.)
1-26-104 - aerial part without heads, sun-cured	- aerial part without heads, sun-cured (stover) Broomcorn (millet, proso), aerial part without heads, sun-cured (stover)*
4-03-120 - grain	- grain Broomcorn (millet, proso), grain* Hog millet (broomcorn, millet), grain*
Millet, Japanese - see Barnyardgrass	Millet, Japanese - see Barnyardgrass
Millet, Japanese-Soybean - see Barnyardgrass-Soybean	Millet, Japanese-Soybean - see Barnyardgrass-Soybean
Millet, Pearl - see Pearlmillet	Millet, Pearl - see Pearlmillet
Milo - see Sorghum, Milo	Milo - see Sorghum, Milo
Mineral Oil.	Mineral Oil.
8-03-123 -	- Mineral oil (AAFCO)
Mint, MENTHA SPP	Mint, MENTHA SPP
1-03-124 - aerial part, sun-cured	- hay, sun-cured
Molasses - see Beet; Maize; Sugarcane; Wood	Molasses - see Beet; Maize; Sugarcane; Wood
Molasses (beet, sugar).	Molasses (beet, sugar).
4-30-289 - +	- +
4-08-351 - steffens+	- steffens+
4-00-668 - more than 48% invert sugar more than 79.5 degrees brix+	- more than 48% invert sugar more than 79.5 degrees brix+
Molasses (sugarcane).	Molasses (sugarcane).
4-13-251 - +	- + Cane molasses (AAFCO)
5-04-702 - ammoniated+	- ammoniated+
4-04-695 - dehydrated+	- dehydrated+
4-04-696 - more than 46% invert sugars more than 79.5 degrees brix+	- more than 46% invert sugars more than 79.5 degrees brix+
Molassesgrass, MELINIS MINUTIFLORA	Molassesgrass, MELINIS MINUTIFLORA
2-03-130 - aerial part, fresh	- fresh
Mollusks, MOLLUSCA	Mollusks, MOLLUSCA
6-05-688 - shells, fine ground	- shells, fine ground Shell flour (AAFCO)
Monensin.	Monensin.
8-09-373 -	- Monensin (AAFCO)
Monensin Sodium.	Monensin Sodium.
8-09-827 -	- Monensin sodium (AAFCO)
Monoammonium Phosphate.	Monoammonium Phosphate.
6-09-338 - $(\text{NH}_4)_2\text{PO}_4$ +	- $(\text{NH}_4)_2\text{PO}_4$ + Monoammonium phosphate (AAFCO)
Monocalcium Phosphate - see Calcium Phosphate, Monobasic	Monocalcium Phosphate - see Calcium Phosphate, Monobasic
Monocalcium Phosphate.	Monocalcium Phosphate.
6-01-082 - from defluorinated phosphoric acid+	- from defluorinated phosphoric acid + Monocalcium phosphate (AAFCO)
6-26-334 - from furnaced phosphoric acid+	- from furnaced phosphoric acid +
Monosodium Glutamate.	Monosodium Glutamate.
8-09-347 -	- Monosodium glutamate (AAFCO)
Monosodium Phosphate - see Sodium Phosphate, Monobasic	Monosodium Phosphate - see Sodium Phosphate, Monobasic

TABLE 6.2 (Cont.)

	Monosodium Phosphate.		Monosodium Phosphate.
6-04-288	- NaH ₂ PO ₄ .H ₂ O+		- NaH ₂ PO ₄ .H ₂ O+
6-04-287	- NaH ₂ PO ₄ .H ₂ O, chemically pure+		Monosodium phosphate (AAFCO)
			- NaH ₂ PO ₄ .H ₂ O, chemically pure+
8-09-364	Montmorillonite, Clays.		Montmorillonite, Clays.
	-		-
			Montmorillonite clays (AAFCO)
	Moss, Sphagnum. SPHAGNUM SPP		Moss, Sphagnum. SPHAGNUM SPP
1-03-135	- whole molasses added, sun-cured		- whole molasses added, sun-cured
			Sphagnum moss, whole molasses added, sun-cured*
	Muhly, Bush. MUHLENBERGIA PORTERI		Muhly, Bush. MUHLENBERGIA PORTERI
2-05-619	- aerial part, fresh, midbloom		- fresh, midbloom
1-03-139	- aerial part, sun-cured		- hay, sun-cured
	Mung Bean - see Bean, Mung		Mung Bean - see Bean, Mung
	Mustard, BRASSICA SPP		Mustard, BRASSICA SPP
1-03-153	- aerial part, sun-cured		- hay, sun-cured
5-03-154	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted
5-12-149	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted
			Mustard meal, solvent extracted (AAFCO)
	Napiergrass. PENNISETUM PURPUREUM		Napiergrass. PENNISETUM PURPUREUM
3-08-463	- aerial part, ensiled, early vegetative		- silage, early vegetative
3-03-169	- aerial part, ensiled, mature		- silage, mature
2-03-166	- aerial part, fresh		- fresh
2-03-158	- aerial part, fresh, late vegetative		- fresh, late vegetative
2-03-162	- aerial part, fresh, late bloom		- fresh, late bloom
1-08-462	- aerial part, sun-cured		- hay, sun-cured
	Natalgrass. RHYNCHELYTRUM ROSEUM		Natalgrass. RHYNCHELYTRUM ROSEUM
1-03-180	- aerial part, sun-cured		- hay, sun-cured
	Navy Bean - see Bean, Navy		Navy Bean - see Bean, Navy
	Needleandthread. STIPA COMATA		Needleandthread. STIPA COMATA
2-07-989	- aerial part, fresh, stem cured		- fresh, stem cured
	Needlegrass. STIPA SPP		Needlegrass. STIPA SPP
2-03-205	- aerial part, fresh, mature		- fresh, mature
1-03-202	- aerial part, sun-cured		- hay, sun-cured
	Nequinatate.		Nequinatate.
8-09-828	-		-
			Nequinatate (AAFCO)
	Niacin supplement.		Niacin supplement.
7-26-003	-		-
			Niacin supplement (AAFCO)
	Niacinamide.		Niacinamide.
7-03-215	- Crystalline		- Crystalline
			Niacinamide; nicotinamide (AAFCO)
	Nicarbazin.		Nicarbazin.
8-03-216	-		-
			Nicarbazin (AAFCO)
	Nicotinic, Acid.		Nicotinic, Acid.
7-03-219	- Crystalline		- Crystalline
			Niacin (AAFCO)
			Nicotinic acid (AAFCO)
	Nihydrazone.		Nihydrazone.
8-03-234	-		-
			Nihydrazone (AAFCO)
	Nithiazide.		Nithiazide.
8-03-236	-		-
			Nithiazide (AAFCO)

TABLE 6.2 (Cont.)

8-05-560	Nitromide. -		Nitromide. -
			Nitromide (AAFCO)
4-00-379	Non-Glyceride Ester Of Fatty Acids. - +		Non-Glyceride Ester Of Fatty Acids. - +
			Non-glyceride ester of fatty acids, feed grade (AAFCO)
8-03-243	Novobiocin. -		Novobiocin. -
			Novobiocin-512(m) exempt (AAFCO)
	Nuttall Saltbush - see Saltbush, Nuttall		Nuttall Saltbush - see Saltbush, Nuttall
8-03-244	Nystatin. -		Nystatin. -
			Nystatin (AAFCO)
4-07-755	Oak, QUERCUS SPP - fruit, fresh		Oak, QUERCUS SPP - fruit, fresh Acorns (oak), fresh*
1-03-249	Oak, Live, QUERCUS VIRGINIANA - leaves, dehydrated		Oak, Live, QUERCUS VIRGINIANA - leaves, dehydrated
2-03-267	Oatgrass, Tall, ARRHENATHERUM ELATIUS - aerial part, fresh		Oatgrass, Tall, ARRHENATHERUM ELATIUS - fresh
2-03-261	- aerial part, fresh, early vegetative		Tall oatgrass, fresh*
1-03-259	- aerial part, sun-cured		- fresh, early vegetative Tall oatgrass, fresh, early vegetative*
			- hay, sun-cured
3-03-298	Oats, AVENA SATIVA - aerial part, ensiled		Oats, AVENA SATIVA - silage
3-20-898	- aerial part, ensiled, late vegetative		- silage, late vegetative
3-07-893	- aerial part, ensiled, full bloom		- silage, full bloom
3-03-296	- aerial part, ensiled, dough stage		- silage, dough stage
2-03-286	- aerial part, fresh, early vegetative		- fresh, early vegetative
2-03-289	- aerial part, fresh, dough stage		- fresh, dough stage
1-03-280	- aerial part, sun-cured		- hay, sun-cured
1-03-272	- aerial part, sun-cured, early vegetative		- hay, sun-cured, early vegetative
1-03-276	- aerial part, sun-cured, dough stage		- hay, sun-cured, dough stage
3-03-300	- aerial part molasses added, ensiled		- aerial part molasses added, silage
4-03-303	- cereal by product, less than 4% fiber		- cereal by-product, less than 4% fiber (feeding oat meal) (oat middlings) Feeding oat meal (AAFCO)
1-03-305	- chaff		- chaff
4-03-309	- grain		- grain Oats (AAFCO)
4-03-312	- grain, grade 1 heavy 46.3 kg/hl		- grain, grade 1 heavy 46.3 kg/hl (36 lb/bushel)
4-03-313	- grain, grade 1 43.8 kg/hl		- grain, grade 1 43.8 kg/hl (34 lb/bushel)
4-03-316	- grain, grade 2 41.2 kg/hl		- grain, grade 2 41.2 kg/hl (32 lb/bushel)
4-03-318	- grain, light less than 34.7 kg/hl		- grain, light less than 34.7 kg/hl (27 lb/bushel)
4-07-999	- grain, pacific coast		- grain, Pacific Coast
4-03-310	- grain, grade inferior		- grain, grade inferior
1-03-269	- grain clipped by-product		- grain clipped by-product Clipped oat by-product (AAFCO)
4-03-329	- grain screenings		- screenings Oats grain screenings (AAFCO)
4-03-331	- groats		- groats Oat groats (AAFCO)
1-03-332	- groats by-product, less than 22% fiber		- groats by-product, less than 22% fiber Oat mill by-product (AAFCO)
1-03-281	- hulls		- hulls Oat hulls (AAFCO)
1-03-283	- straw		- straw
1-03-285	- straw, treated with sodium hydroxide dehydrated		- straw, treated with sodium hydroxide dehydrated
2-03-393	Oats, Wild, AVENA FATUA - aerial part, fresh		Oats, Wild, AVENA FATUA - fresh Wild oats, fresh*
1-03-392	- aerial part, sun-cured		- hay, sun-cured

TABLE 6.2 (Cont.)

3-03-397	Oats-Cowpea. AVENA SATIVA-VIGNA SPP - aerial part, ensiled		Oats-Cowpea. AVENA SATIVA-VIGNA SPP - silage
3-03-402	Oats-Pea. AVENA SATIVA-PISUM SPP - aerial part, ensiled		Oats-Pea. AVENA SATIVA-PISUM SPP - silage
2-03-399	- aerial part, fresh, early bloom		- fresh, early bloom
1-03-398	- aerial part, sun-cured		- hay, sun-cured
3-03-408	Oats-Vetch. AVENA SATIVA-VICIA SPP - aerial part, ensiled, milk stage		Oats-Vetch. AVENA SATIVA-VICIA SPP - silage, milk stage
2-03-407	- aerial part, fresh, milk stage		- fresh, milk stage
4-08-026	Oats, Wild-Oats. AVENA FATUA-AVENA SATIVA - grain		Oats, Wild-Oats. AVENA FATUA-AVENA SATIVA - grain Mixed feed oats (AAFCO)
	Ocean Perch - see Fish, Redfish		Ocean Perch - see Fish, Redfish
	Oil - see Fish; Vegetable; Vitamin A; Vitamin D		Oil - see Fish; Vegetable; Vitamin A; Vitamin D
8-03-412	Oleandomycin. -		Oleandomycin. - Oleandomycin (AAFCO)
4-03-415	Olive. OLEA EUROPAEA - fruit without pits, dehydrated or sun-cured		Olive. OLEA EUROPAEA - fruit without pits, dehydrated
	Oniongrass - see Melic, Coastrange		Oniongrass - see Melic, Coastrange
4-01-255	Orange. CITRUS SINENSIS - pomace without fines, ammoniated dehydrated or sun-cured		Orange. CITRUS SINENSIS - pomace without fines, ammoniated dehydrated
4-01-254	- pomace without fines, dehydrated or sun-cured		- pomace without fines, dehydrated (dried orange pulp)
3-03-457	Orchardgrass. DACTYLIS GLOMERATA - aerial part, ensiled		Orchardgrass. DACTYLIS GLOMERATA - silage
2-03-451	- aerial part, fresh		- fresh
2-03-439	- aerial part, fresh, early vegetative		- fresh, early vegetative
2-03-442	- aerial part, fresh, early bloom		- fresh, early bloom
2-03-443	- aerial part, fresh, midbloom		- fresh, midbloom
2-03-446	- aerial part, fresh, milk stage		- fresh, milk stage
1-03-438	- aerial part, sun-cured		- hay, sun-cured
1-03-425	- aerial part, sun-cured, early bloom		- hay, sun-cured, early bloom
1-03-427	- aerial part, sun-cured, full bloom		- hay, sun-cured, full bloom
1-03-428	- aerial part, sun-cured, late bloom		- hay, sun-cured, late bloom
	Organic Iodide - see Ethylenediamine, Dihydroiodide		Organic Iodide - see Ethylenediamine, Dihydroiodide
8-09-332	Oxytetracycline. -		Oxytetracycline. - Oxytetracycline (salmon and catfish) (AAFCO)
6-03-481	Oyster. CRASSOSTREA SPP-OSTREA SPP - shells, fine ground		Oyster. CRASSOSTREA SPP-OSTREA SPP - shells, fine ground (oyster shell flour) Oyster shell flour (AAFCO)
7-03-513	P-Aminobenzoic Acid. -		P-Aminobenzoic Acid (paba). - P-aminobenzoic acid (AAFCO)
5-03-486	Palm. ELAEIS SPP - kernels with coats oil residue, solvent extracted ground		Palm. ELAEIS SPP - kernels with coats, meal solvent extracted
4-05-648	Palm, Date. PHOENIX DACTYLIFERA - pits		Palm, Date. PHOENIX DACTYLIFERA - pits
1-08-477	Palm, Royal. ROYSTONEA SPP - seeds		Palm, Royal. ROYSTONEA SPP - seeds

7-09-354 - **Inositol.**
Iodized Salt - see Salt
8-09-829 - **Ipronidazole.**
6-02-429 - reduced **Iron.**
6-26-150 - **Iron, Proteinate.**
Iron - see Ferric or Ferrous
8-09-898 - **Iron Polysaccharide Complex.**
4-02-433 - **Ivorypalm, Common. PHYTELEPHAS MACROCARPA**
- kernels with coats oil residue, solvent
extracted ground
2-02-434 - **Jackbean, Common. CANAVALIA ENSIFORMIS**
- aerial part, fresh
5-02-435 - seeds
**Japanese Millet-Soybean - see Barnyardgrass-
Soybean**

Inositol.
- Inositol (AAFCO)
Iodized Salt - see Salt
Ipronidazole.
- Ipronidazole (AAFCO)
Iron.
- reduced
Iron, reduced (AAFCO)
Iron, Proteinate.
- Iron proteinate (AAFCO)
Iron - see Ferric or Ferrous
Iron Polysaccharide Complex.
- Iron polysaccharide complex (AAFCO)
Ivorypalm, Common. PHYTELEPHAS MACROCARPA
- kernels with coats, meal solvent extracted
Jackbean, Common. CANAVALIA ENSIFORMIS
- fresh
- seeds
**Japanese Millet-Soybean - see Barnyardgrass-
Soybean**

TABLE 6.2 (Cont.)

Pangolagrass. DIGITARIA DECUMBENS		Pangolagrass. DIGITARIA DECUMBENS	
2-03-493	- aerial part, fresh	- fresh	
1-09-459	- aerial part, sun-cured	- hay, sun-cured	
1-10-638	- aerial part, sun-cured, 15 to 28 days' growth	- hay, sun-cured, 15 to 28 days' growth	
1-26-214	- aerial part, sun-cured, 29 to 42 days' growth	- hay, sun-cured, 29 to 42 days' growth	
1-29-573	- aerial part, sun-cured, 43 to 56 days' growth	- hay, sun-cured, 43 to 56 days' growth	
Panicum. PANICUM SPP		Panicum. PANICUM SPP	
2-03-499	- aerial part, fresh	- fresh	
1-03-496	- aerial part, sun-cured	- hay, sun-cured	
Paper, Corrugated.		Paper, Corrugated.	
1-28-257	-	-	
Paper, Waste.		Paper, Waste.	
1-26-072	-	-	
Paraffin.		Paraffin.	
8-08-027	-	-	Paraffin (AAFCO)
Paragrass. BRACHIARIA MUTICA		Paragrass. BRACHIARIA MUTICA	
2-03-525	- aerial part, fresh	- fresh	
1-03-517	- aerial part, sun-cured	Finograss, fresh*	
		- hay, sun-cured	
Parsnip, Garden. PASTINACA SATIVA		Parsnip, Garden. PASTINACA SATIVA	
2-03-534	- leaves, fresh	- leaves, fresh	
4-03-536	- roots, fresh	- roots, fresh	
Paspalum. PASPALUM SPP		Paspalum. PASPALUM SPP	
2-03-543	- aerial part, fresh	- fresh	
Paunch - see Animal		Paunch - see Animal	
Pea. PISUM SPP		Pea. PISUM SPP	
1-03-572	- aerial part, sun-cured	- hay, sun-cured	
3-03-596	- haulm with pods, ensiled	- haulm with pods, silage	
2-03-588	- pods, fresh	- pods, fresh	
1-03-602	- seed coats	- seed coats (pea bran) (pea hulls)	
5-03-600	- seeds	- seeds	
1-08-478	- split seed by-product	- split seed by-product (pea feed) (pea meal)	
		Pea feed*	
		Pea meal*	
1-03-577	- straw	- straw	
Pea, Field. PISUM SATIVUM ARVENSE		Pea, Field. PISUM SATIVUM ARVENSE	
3-03-609	- aerial part, ensiled	- silage	
2-03-603	- aerial part, fresh	- fresh	
1-03-607	- haulm with pods, sun-cured	- haulm with pods, sun-cured	
5-08-481	- seeds	- seeds	
Pea, Garden. PISUM SATIVUM SATIVUM		Pea, Garden. PISUM SATIVUM SATIVUM	
5-08-482	- seeds	- seeds	
Pea-Oats. PISUM SPP-AVENA SATIVA		Pea-Oats. PISUM SPP-AVENA SATIVA	
2-08-483	- aerial part, fresh	- fresh	
Peanut. ARACHIS HYPOGAEA		Peanut. ARACHIS HYPOGAEA	
1-03-619	- aerial part, sun-cured	- hay, sun-cured	
1-03-627	- aerial part, sun-cured ground	- hay, sun-cured ground	
		Ground peanut hay (AAFCO)	
5-03-655	- pods with seeds oil residue, mechanical extracted ground	- pods with seeds, meal mechanical extracted	
		Peanut meal and hulls, mechanical extracted (AAFCO)	
5-03-656	- pods with seeds oil residue, solvent extracted ground	- pods with seeds, meal solvent extracted	
		Peanut meal and hulls, solvent extracted (AAFCO)	
4-03-631	- seed coats	- seed coats (peanut skins)	
		Peanut skins (AAFCO)	
5-03-649	- seeds without coats oil residue, mechanical extracted ground	- seeds without coats, meal mechanical extracted (peanut meal)	
		Peanut meal, mechanical extracted (AAFCO)	

Koa Haole - see **Leadtree**

Kochia - see **Summercypress, Belvedere**

Kohlrabi. BRASSICA OLERACEA GONGYLODES
 2-02-477 - aerial part, fresh

Kudzu. PUERARIA SPP
 2-02-482 - aerial part, fresh
 1-02-478 - aerial part, sun-cured

L-Lysine.
 5-08-022 -

L-Threonine.
 5-08-092 -

Lactosylurea.
 5-30-083 -

Ladino Clover - see **Clover, Ladino**

Ladino Clover-Grass - see **Clover, Ladino-Grass**

Lambsquarters - see **Goosefoot, Lambsquarters**

Lasalocid Sodium - see **Sodium, Lasalocid**

Leadtree, Whitepopinac. LEUCAENA GLAUCA
 1-02-492 - aerial part, sun-cured
 2-02-495 - browse, fresh

Koa Haole - see **Leadtree**

Kochia - see **Summercypress, Belvedere**

Kohlrabi. BRASSICA OLERACEA GONGYLODES
 - fresh

Kudzu. PUERARIA SPP
 - fresh
 - hay, sun-cured

L-Lysine.
 -
 L-lysine (AAFCO)

L-Threonine.
 -
 L-threonine (AAFCO)

Lactosylurea.
 -
 Lactosylurea (AAFCO)

Ladino Clover - see **Clover, Ladino**

Ladino Clover-Grass - see **Clover, Ladino-Grass**

Lambsquarters - see **Goosefoot, Lambsquarters**

Lasalocid Sodium - see **Sodium, Lasalocid**

Leadtree, Whitepopinac. LEUCAENA GLAUCA
 - hay, sun-cured
 Koa hoale (leadtree), hay, sun cured*
 - browse, fresh
 Koa haole (leadtree), browse, fresh*

TABLE 6.2 (Cont.)

Peanut (Cont.)		Peanut (Cont.)	
5-03-650	- seeds without coats oil residue, solvent extracted ground	- seeds without coats, meal solvent extracted (peanut meal)	
1-08-028	- pods	Peanut meal, solvent extracted (AAFCO)	
		- pods (hulls)	
		Peanut hulls (AAFCO)	
Pear. PYRUS SPP		Pear. PYRUS SPP	
4-03-661	- pomace, dehydrated or sun-cured	- pomace, dehydrated	
4-26-119	- pomace, wet	- pomace, wet	
3-03-659	- process residue, ensiled	- process residue, silage	
4-08-486	- process residue, fresh	- process residue, wet	
4-08-487	- syrup	- syrup	
		Molasses and syrup, pears, syrup*	
Pearlmillet. PENNISETUM GLAUCUM		Pearlmillet. PENNISETUM GLAUCUM	
3-20-903	- aerial part, ensiled	- silage	
2-03-115	- aerial part, fresh	- fresh	
		Millet, pearl (pearlmillet), fresh*	
1-03-112	- aerial part, sun-cured	- hay, sun-cured	
4-03-118	- grain	- grain	
		Cattail millet, grain*	
Peavine. LATHYRUS SPP		Peavine. LATHYRUS SPP	
2-03-669	- aerial part, fresh	- fresh	
1-03-666	- aerial part, sun-cured	- hay, sun-cured	
Penicillin. PENICILLUM SPP		Penicillin. PENICILLUM SPP	
8-03-681	-	-	
		Penicillin (procaine) (AAFCO)	
Pepper. CAPSICUM SPP		Pepper. CAPSICUM SPP	
4-03-685	- fruit, dehydrated or sun-cured	- fruit, dehydrated	
		Red pepper (AAFCO)	
		Capsicum (AAFCO)	
Perilla, Common. PERILLA FRUTESCENS		Perilla, Common. PERILLA FRUTESCENS	
5-03-650	- seeds oil residue, mechanical extracted ground	- seeds, meal mechanical extracted	
Perlite.		Perlite.	
8-26-242	-	-	
		Perlite (AAFCO)	
Persian Clover - see Clover, Persian		Persian Clover - see Clover, Persian	
Petrolatum.		Petrolatum.	
8-05-691	-	-	
		Petrolatum (AAFCO)	
Petroleum Jelly.		Petroleum Jelly.	
8-08-029	-	-	
		Petroleum jelly (AAFCO)	
Phosphate.		Phosphate.	
6-01-780	- defluorinated	- defluorinated	
		Phosphate, defluorinated (AAFCO)	
		Defluorinated phosphate, ground*	
6-14-510	- partially defluorinated ground	- partially defluorinated ground	
		Phosphate, partially defluorinated (AAFCO)	
Phosphate - see Phosphate Or Rock Phosphate		Phosphate - see Phosphate Or Rock Phosphate	
Phosphoric, Acid.		Phosphoric, Acid.	
6-03-707	- H ₃ PO ₄	- H ₃ PO ₄	
		Phosphoric acid (AAFCO)	
6-20-534	- defluorinated wet process	- defluorinated wet process	
Pigeonpea. CAJANUS CAJAN		Pigeonpea. CAJANUS CAJAN	
2-03-715	- aerial part, fresh	- fresh	
Pigeons-Grass - see Verbena, European		Pigeons-Grass - see Verbena, European	
Pigweed. AXYRIS SPP		Pigweed. AXYRIS SPP	
4-08-580	- seeds	- seeds	

TABLE 6.2 (Cont.)

	Pineapple. ANANAS COMOSUS		Pineapple. ANANAS COMOSUS
3-08-488	- aerial part without fruit, ensiled		- aerial part without fruit, silage
2-03-720	- aerial part without fruit, fresh		- aerial part without fruit, fresh
1-13-309	- aerial part without fruit, sun-cured		- aerial part without fruit, sun-cured (pineapple hay)
4-03-722	- process residue, dehydrated		- process residue, dehydrated (pineapple hay) Pineapple, hay, sun-cured*
4-08-487	- process residue molasses added, dehydrated		- process residue, dehydrated (pineapple bran) Pineapple, bran, dried*
			- process residue molasses added, dehydrated (pineapple, bran molasses added) Pineapple, bran molasses added* Pineapple, pulp molasses added*
	Pinto Bean - see Bean, Pinto		Pinto Bean - see Bean, Pinto
	Plant.		Plant.
7-03-728	- sterol, irradiated		- sterol, irradiated D-activated plant sterol (AAFCO)
	Poloxalene.		Poloxalene.
8-08-063	-		- Poloxalene (AAFCO)
	Polyethylene.		Polyethylene.
8-09-351	-		- Polyethylene roughage replacement (AAFCO)
	Polyethylene Glycol (400) Mono And Dioleate.		Polyethylene Glycol (400) Mono And Dioleate.
8-09-348	-		- Polyethylene glycol (400) mono and dioleate (AAFCO)
	Polyoxy-Ethylene Glycol (400) Mono And Dioleates.		Polyoxy-Ethylene Glycol (400) Mono And Dioleates.
8-08-053	-		- Polyoxy-ethylene glycol (400) mono and dioleates (AAFCO)
	Polysorbate 60 (polyoxy-Ethylene (20) Sorbitanmonostearate).		Polysorbate 60 (polyoxy-Ethylene (20) Sorbitanmonostearate).
8-08-032	-		- Polysorbate 60 (polyoxy-ethylene (20) sorbitan monostearate) (AAFCO)
	Polysorbate 80.		Polysorbate 80.
8-08-031	-		- Polysorbate 80 (AAFCO)
	Pop Corn - see Maize, Pop		Pop Corn - see Maize, Pop
	Poppy. PAPAVER SPP		Poppy. PAPAVER SPP
5-03-751	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted
	Potassium, Bicarbonate.		Potassium, Bicarbonate.
6-09-337	- KHCO_3		- KHCO_3 Potassium bicarbonate (AAFCO)
	Potassium, Carbonate.		Potassium, Carbonate.
6-09-336	- K_2CO_3		- K_2CO_3 Potassium carbonate (AAFCO)
	Potassium, Chloride.		Potassium, Chloride.
6-03-755	- KCl		- KCl Potassium chloride (AAFCO)
	Potassium, Citrate.		Potassium, Citrate.
6-30-087	- $\text{K}_3\text{C}_6\text{H}_5\text{O}_7 \cdot \text{H}_2\text{O}$		- $\text{K}_3\text{C}_6\text{H}_5\text{O}_7 \cdot \text{H}_2\text{O}$ Potassium citrate (AAFCO)
	Potassium, Hydroxide.		Potassium, Hydroxide.
6-20-870	- KOH		- KOH Potassium hydroxide (AAFCO)
	Potassium, Iodate.		Potassium, Iodate.
6-08-072	- KIO_3		- KIO_3 Potassium iodate (AAFCO)

TABLE 6.2 (Cont.)

6-03-759	Potassium, Iodide. - KI	Potassium, Iodide. - KI Potassium iodide (AAFCO)
8-03-761	Potassium, Sorbate. -	Potassium, Sorbate. - Potassium sorbate (AAFCO)
6-08-098	Potassium, Sulfate. - K ₂ SO ₄	Potassium, Sulfate. - K ₂ SO ₄ Potassium sulfate (AAFCO)
8-26-302	Potassium Bisulfite. -	Potassium Bisulfite. - Potassium bisulfite (AAFCO)
8-26-303	Potassium Metabisulfite. -	Potassium Metabisulfite. - Potassium metabisulfite (AAFCO)
3-03-765	Potato, SOLANUM TUBEROSUM - aerial part, ensiled	Potato, SOLANUM TUBEROSUM - aerial part, silage
5-03-773	- distillers residue, dehydrated or sun-cured	- distillers residue, dehydrated Potato distillers dried residue (AAFCO)
4-03-774	- peelings, fresh	- peelings, fresh
4-03-775	- process residue, dehydrated	- process residue, dehydrated Dried potato products (AAFCO)
4-03-777	- process residue, wet	Potato, waste, dried* Potato, pulp, dried* - process residue, wet Potato, pulp, wet* Potato, waste, wet*
4-03-784	- tubers, boiled	- tubers, boiled
4-03-767	- tubers, boiled ensiled	- tubers, silage boiled
4-07-850	- tubers, dehydrated or sun-cured	- tubers, dehydrated
4-03-768	- tubers, ensiled	- tubers, silage
4-03-787	- tubers, fresh	- tubers, fresh
3-03-770	- tubers alfalfa aerial part added, ensiled	- tubers alfalfa aerial part added, silage
6-26-004	Poultry. - egg shells, dehydrated ground	Poultry. - egg shells, meal Egg shell meal (AAFCO)
4-09-319	- fat	- fat Poultry fat, feed grade (AAFCO)
5-03-795	- feathers, hydrolyzed dehydrated ground	Fats and oils, offal fat, poultry* - feathers, meal hydrolyzed Hydrolyzed poultry feathers (AAFCO) Feathers, meal hydrolyzed (poultry)* Poultry, feathers, hydrolyzed*
5-20-776	- flesh, fresh	- flesh, fresh Poultry (AAFCO)
5-03-796	- hatchery by-product, boiled dehydrated ground	- hatchery by-product, meal boiled Poultry hatchery by-product (AAFCO)
5-14-015	- manure, dehydrated	- manure, dehydrated Dried poultry waste (AAFCO) Manure (poultry)*
5-05-587	- manure and litter, dehydrated	- manure and litter, dehydrated Manure, with litter (poultry)*
5-03-798	- viscera with feet with heads, dry or wet rendered ground	- by-product, meal rendered (viscera with feet with heads) Poultry by-product meal (AAFCO)
5-03-800	- viscera with feet with heads, fresh	- by-product, fresh (viscera with feet with heads) Poultry by-products (AAFCO)
5-14-508	- viscera with feet with heads with feathers, hydrolyzed	- by-product with feathers, hydrolyzed (viscera with feet with heads with feathers) Hydrolyzed poultry by-product aggregate (AAFCO)
	Poverty Danthonian - see Danthonia, Poverty	Poverty Danthonian - see Danthonia, Poverty
1-03-191	Prairie Plants, Midwest. - aerial part, sun-cured	Prairie Plants, Midwest. - hay, sun-cured
1-03-183	- aerial part, sun-cured, early vegetative	- hay, sun-cured, early vegetative
1-03-187	- aerial part, sun-cured, mature	- hay, sun-cured, mature

TABLE 6.2 (Cont.)

2-01-061	Pricklypear. OPUNTIA SPP - aerial part, fresh		Pricklypear. OPUNTIA SPP - fresh Cactus, pricklypear, fresh*
8-03-807	Propionic Acid. -		Propionic Acid. - Propionic acid (AAFCO)
8-03-808	Propyl Gallate. -		Propyl Gallate. - Propyl gallate (AAFCO)
8-03-809	Propylene Glycol. -		Propylene Glycol. - Propylene glycol (AAFCO)
8-08-054	Propylene Glycol, Alginate. -		Propylene Glycol, Alginate. - Propylene glycol alginate (AAFCO)
8-03-810	Propylparaben. -		Propylparaben. - Propylparaben (AAFCO)
4-03-815	Pumpkin. CUCURBITA PEPO - fruit, fresh		Pumpkin. CUCURBITA PEPO - fruit, fresh
5-03-817	- seeds		- seeds
8-14-011	Pyrantel Tartrate. -		Pyrantel Tartrate. - Pyrantel tartrate (AAFCO)
7-03-822	Pyridoxine, Hydrochloride. - Crystalline		Pyridoxine, Hydrochloride. - Crystalline Pyridoxine hydrochloride (AAFCO)
8-09-374	Pyrimethamine Plus Sulfaquinoxaline. -		Pyrimethamine Plus Sulfaquinoxaline. - Pyrimethamine plus sulfaquinoxaline (AAFCO)
8-05-694	Pyrophyllite. -		Pyrophyllite. - Pyrophyllite (AAFCO)
2-03-829	Quackgrass. AGROPYRON REPENS - aerial part, fresh		Quackgrass. AGROPYRON REPENS - fresh Witch grass (quackgrass), fresh* Couch grass (quackgrass), fresh*
1-03-827	- aerial part, sun-cured		- hay, sun-cured
2-03-835	Rabbitbrush. CHRYSOTHAMNUS SPP - browse, fresh		Rabbitbrush. CHRYSOTHAMNUS SPP - browse, fresh
2-07-997	Rabbitbrush, Small. CHRYSOTHAMNUS STENOPHYLLUS - browse, fresh, stem cured		Rabbitbrush, Small. CHRYSOTHAMNUS STENOPHYLLUS - browse, fresh, stem cured Yellowbrush (rabbitbrush), browse, fresh, stem cured*
2-03-853	Ragweed. AMBROSIA SPP - aerial part, fresh		Ragweed. AMBROSIA SPP - fresh
	Raisin - see Grape		Raisin - see Grape
2-03-859	Ramie. BOEHMERIA NIVEA - aerial part, fresh		Ramie. BOEHMERIA NIVEA - fresh
1-03-861	- leaves, sun-cured		- leaves, sun-cured
2-03-867	Rape. BRASSICA NAPUS - aerial part, fresh		Rape. BRASSICA NAPUS - fresh
2-03-865	- aerial part, fresh, early vegetative		- fresh, early vegetative
2-03-866	- aerial part, fresh, early bloom		- fresh, early bloom
5-03-870	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted Rapeseed meal, mechanical extracted (AAFCO)

TABLE 6.2 (Cont.)

Rape (Cont.)		Rape (Cont.)	
5-03-871	- seeds oil residue, solvent extracted ground	- seeds, meal solvent extracted	
5-26-092	- seeds oil residue, solvent extracted ground, 34% protein	- seeds, meal solvent extracted, 34% protein	
Rape, Summer. BRASSICA NAPUS ANNUA		Rape, Summer. BRASSICA NAPUS ANNUA	
5-08-136	- seeds oil residue, boiled mechanical extracted ground	- seeds, meal boiled mechanical extracted	
5-08-135	- seeds oil residue, prepressed solvent extracted ground	- seeds, meal prepressed solvent extracted	
Red Clover - see Clover, Red		Red Clover - see Clover, Red	
Red Clover-Grass - see Clover, Red-Grass		Red Clover-Grass - see Clover, Red-Grass	
Red Pepper - see Pepper, Red		Red Pepper - see Pepper, Red	
Redtop. AGROSTIS ALBA		Redtop. AGROSTIS ALBA	
2-03-897	- aerial part, fresh	- fresh	
2-03-891	- aerial part, fresh, full bloom	- fresh, full bloom	
1-03-885	- aerial part, sun-cured	- hay, sun-cured	
1-03-886	- aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom	
Reed Canarygrass - see Canarygrass, Reed		Reed Canarygrass - see Canarygrass, Reed	
Reedgrass, Bluejoint. CALAMAGROSTIS CANADENSIS		Reedgrass, Bluejoint. CALAMAGROSTIS CANADENSIS	
2-03-904	- aerial part, fresh	- fresh	
1-03-903	- aerial part, sun-cured	Bluejoint reedgrass, fresh*	
		- hay, sun-cured	
		Bluejoint reedgrass, hay, sun-cured*	
Rescue Brome - see Brome, Rescue		Rescue Brome - see Brome, Rescue	
Rescuegrass - see Brome, Rescue		Rescuegrass - see Brome, Rescue	
Reserpine.		Reserpine.	
8-03-908	-	-	
		Reserpine (AAFCO)	
Resin, Guaiac.		Resin, Guaiac.	
8-03-909	-	-	
		Resin guaiac (AAFCO)	
		Guaiac gum (AAFCO)	
Rhodesgrass. CHLORIS GAYANA		Rhodesgrass. CHLORIS GAYANA	
2-03-916	- aerial part, fresh	- fresh	
1-03-913	- aerial part, sun-cured	- hay, sun-cured	
Riboflavin.		Riboflavin.	
7-03-920	- Crystalline	- Crystalline	
		Riboflavin (AAFCO)	
Riboflavin, Supplement.		Riboflavin, Supplement.	
7-03-921	-	-	
		Riboflavin supplement (AAFCO)	
Rice. ORYZA SATIVA		Rice. ORYZA SATIVA	
4-03-928	- bran with germs, dry milled	- bran with germs (rice, bran)	
4-03-930	- bran with germs oil residue, solvent extracted ground	Rice bran (AAFCO)	
4-03-938	- grain, ground	- bran with germs, meal solvent extracted (solvent extracted rice bran)	
		Rice bran, solvent extracted (AAFCO)	
		- grain, ground (ground rough rice) (ground paddy rice)	
		Ground rough rice (AAFCO)	
		Ground paddy rice (AAFCO)	
4-08-085	- grain screenings	- screenings	
		Rice grain screenings (AAFCO)	
4-03-936	- groats	- groats (rice, brown)	
4-03-935	- groats, ground	- groats, ground	
4-03-942	- groats, polished	Ground brown rice (AAFCO)	
		- groats, polished (rice, polished)	
		Rice, white, polished*	

TABLE 6.2 (Cont.)

Rice (Cont.)

4-03-932 - groats, polished broken

1-08-033 - hull fines

1-08-075 - hulls

1-05-698 - hulls, ammoniated

1-03-941 - mill run

4-03-943 - polishings

1-03-925 - straw

Ricegrass, Indian. ORYZOPSIS HYMENOIDES

2-03-944 - aerial part, fresh, post ripe

Robenidine Hydrochloride.

8-14-012 -

Rock, Phosphate.

6-05-586 - curacao, ground

6-03-945 - ground

6-03-946 - ground, low fluorine

6-03-947 - soft

Ronnel.

8-03-953 -

Roxarsone.

8-12-190 -

Rubbertree, Para. HE'EA BRASILIENSIS

5-03-959 - kernels oil residue, mechanical extracted ground

Rumen Contents (animal).

1-09-327 - dehydrated+

Rush. JUNCUS SPP

2-03-965 - aerial part, fresh

1-03-960 - aerial part, sun-cured

Rush, Saltmeadow. JUNCUS GERARDII

1-03-970 - aerial part, sun-cured

Russian Wildrye - see Wildrye, Russian

Russianthistle, Tumbling. SALSOLA KALI TENUIFOLIA

3-03-984 - aerial part, ensiled

2-03-990 - aerial part, fresh

2-08-000 - aerial part, fresh, stem cured

1-03-988 - aerial part, sun-cured

Rice (Cont.)

- groats, polished and broken (brewers rice)
Chipped rice, broken rice, or brewers rice (AAFCO)

- hull fines

Rice by-product fractions (AAFCO)

- hulls

Rice hulls (AAFCO)

- hulls, ammoniated

Ammoniated rice hulls (AAFCO)

- mill run

Rice mill by-product (AAFCO)

- polishings

Rice polishings (AAFCO)

- straw

Ricegrass, Indian. ORYZOPSIS HYMENOIDES

- fresh, post ripe

Indian ricegrass, fresh*

Robenidine Hydrochloride.

-

Robenidine hydrochloride (AAFCO)

Rock, Phosphate.

- curacao, ground

Curacao phosphate, ground*

- ground

Rock phosphate, ground (AAFCO)

- ground, low fluorine

Rock phosphate, ground, low fluorine (AAFCO)

- soft

Rock phosphate, soft (AAFCO)

Colloidal clay, ground (soft rock phosphate)*

Ronnel.

-

Ronnel (AAFCO)

Roxarsone.

-

Roxarsone (AAFCO)

Rubbertree, Para. HEVEA BRASILIENSIS

- kernels, meal mechanical extracted

Rumen Contents (animal).

- dehydrated+

Paunch product, dehydrated (AAFCO)

Rush. JUNCUS SPP

- fresh

- hay, sun-cured

Rush, Saltmeadow. JUNCUS GERARDII

- hay, sun-cured

Blackgrass (rush, saltmeadow), hay, sun-cured*

Russian Wildrye - see Wildrye, Russian

Russianthistle, Tumbling. SALSOLA KALI TENUIFOLIA

- silage

- fresh

Thistle, Russian, fresh*

Tumbleweed (Russianthistle), fresh*

- fresh, stem cured

Thistle, Russian, fresh, stem cured*

Tumbleweed (Russianthistle), fresh, stem cured*

- hay, sun-cured

Tumbleweed (Russianthistle), hay, sun-cured*

TABLE 6.2 (Cont.)

	Rutabaga. BRASSICA NAPUS NAPOBRASSICA		Rutabaga. BRASSICA NAPUS NAPOBRASSICA
2-03-996	- aerial part with crowns, fresh		- aerial part with crowns, fresh
4-04-001	- roots, fresh		- roots, fresh
	Rye. SECALE CEREALE		Rye. SECALE CEREALE
3-04-020	- aerial part, ensiled		- silage
2-04-018	- aerial part, fresh		- fresh
2-04-013	- aerial part, fresh, early vegetative		- fresh, early vegetative
1-04-004	- aerial part, sun-cured		- hay, sun-cured
3-08-601	- aerial part, wilted ensiled		- silage wilted
3-04-021	- aerial part molasses added, ensiled		- aerial part molasses added, silage
4-04-022	- bran, dry milled		- bran
5-04-023	- distillers grains, dehydrated		- distillers grains, dehydrated
			Rye distillers dried grains (AAFCO)
5-04-024	- distillers grains with solubles, dehydrated		- distillers grains with solubles, dehydrated
			Rye distillers dried grains with solubles (AAFCO)
5-12-212	- distillers solubles, condensed		- distillers solubles, condensed
			Rye condensed distillers solubles (AAFCO)
5-04-026	- distillers solubles, dehydrated		- distillers solubles, dehydrated
			Rye distillers dried solubles (AAFCO)
4-04-028	- flour		- flour
4-04-032	- flour by-product, less than 4.5% fiber		- flour by-product, less than 4.5% fiber (rye middlings)
4-04-031	- flour by-product, less than 8.5% fiber		- flour by-product, less than 8.5% fiber (rye middlings)
			Rye middlings (AAFCO)
4-04-047	- grain		- grain
5-04-048	- malt sprouts, dehydrated		- malt sprouts, dehydrated
			Rye malt sprouts dehydrated (AAFCO)
4-04-034	- mill run, less than 9.5% fiber		- mill run, less than 9.5% fiber (rye feed)
			Rye mill run (AAFCO)
1-04-007	- straw		- straw
	Ryegrass. LOLIUM SPP		Ryegrass. LOLIUM SPP
2-04-062	- aerial part, fresh		- fresh
1-04-057	- aerial part, sun-cured		- hay, sun-cured
	Ryegrass, Italian. LOLIUM MULTIFLORUM		Ryegrass, Italian. LOLIUM MULTIFLORUM
2-04-073	- aerial part, fresh		- fresh
2-04-071	- aerial part, fresh, early bloom		- fresh, early bloom
1-04-069	- aerial part, sun-cured		- hay, sun-cured
1-04-064	- aerial part, sun-cured, early vegetative		- hay, sun-cured, early vegetative
1-04-065	- aerial part, sun-cured, late vegetative		- hay, sun-cured, late vegetative
1-04-066	- aerial part, sun-cured, early bloom		- hay, sun-cured, early bloom
	Ryegrass, Perennial. LOLIUM PERENNE		Ryegrass, Perennial. LOLIUM PERENNE
2-04-086	- aerial part, fresh		- fresh
1-04-077	- aerial part, sun-cured		- hay, sun-cured
	Sacaton - see Alkali Sacaton		Sacaton - see Alkali Sacaton
	Saccharin, Sodium.		Saccharin, Sodium.
8-04-103	-		-
			Saccharin sodium (AAFCO)
	Safflower. CARTHAMUS TINCTORIUS		Safflower. CARTHAMUS TINCTORIUS
1-04-104	- aerial part, sun-cured, mature		- hay, sun-cured, mature
1-04-105	- hulls		- hulls
4-07-958	- seeds		- seeds
5-04-109	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted
			Safflower meal, mechanical extracted (AAFCO)
5-04-110	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted
			Safflower meal, solvent extracted (AAFCO)
5-26-095	- seeds oil residue, solvent extracted ground, 20% protein		- seeds, meal solvent extracted, 20% protein
5-08-499	- seeds without hulls oil residue, mechanical extracted ground		- seeds without hulls, meal mechanical extracted
5-07-959	- seeds without hulls oil residue, solvent extracted ground		- seeds without hulls, meal solvent extracted
5-26-094	- seeds without hulls oil residue, solvent extracted ground, 42% protein		- seeds without hulls, meal solvent extracted, 42% protein

TABLE 6.2 (Cont.)

2-05-564	Sage, Black. SALVIA MELLIFERA - browse, fresh, stem cured	Sage, Black. SALVIA MELLIFERA - browse, fresh, stem cured Black sage, browse, fresh, stem cured*
2-07-992	Sagebrush, Big. ARTEMISIA TRIDENTATA - browse, fresh, stem cured	Sagebrush, Big. ARTEMISIA TRIDENTATA - browse, fresh, stem cured
2-04-125 2-07-991 2-04-124	Sagebrush, Bud. ARTEMISIA SPINESCENS - browse, fresh - browse, fresh, early vegetative - browse, fresh, late vegetative	Sagebrush, Bud. ARTEMISIA SPINESCENS - browse, fresh - browse, fresh, early vegetative - browse, fresh, late vegetative
2-04-129 2-04-130	Sagebrush, Fringed. ARTEMISIA FRIGIDA - browse, fresh, midbloom - browse, fresh, mature	Sagebrush, Fringed. ARTEMISIA FRIGIDA - browse, fresh, midbloom Fringed sagebrush, browse, fresh, midbloom* - browse, fresh, mature Fringed sagebrush, browse, fresh, mature*
	Sagrain - see Sorghum, Sagrain	Sagrain - see Sorghum, Sagrain
2-04-146 1-04-143	Sainfoin. ONOBRYCHIS SPP - aerial part, fresh - aerial part, sun-cured	Sainfoin. ONOBRYCHIS SPP - fresh - hay, sun-cured
2-08-090	Saint Augustinegrass. STENOTAPHRUM SECUNDATUM - aerial part, fresh	Saint Augustinegrass. STENOTAPHRUM SECUNDATUM - fresh
	Salmon - see Fish, Salmon	Salmon - see Fish, Salmon
6-04-151 6-04-152	Salt. - iodine added, 0.007% iodine - NaCl	Salt. - iodine added, 0.007% iodine Iodized salt (AAFCO) - NaCl Salt (AAFCO) Sodium chloride, NaCl (salt)*
2-07-993 1-26-111 1-26-112	Saltbush, Nuttall. ATRIPLEX NUTTALLII - browse, fresh, stem cured - browse, sun-cured - browse, sun-cured, mature	Saltbush, Nuttall. ATRIPLEX NUTTALLII - browse, fresh, stem cured Nuttall saltbush, browse, fresh, stem cured* - browse, sun-cured - browse, sun-cured, mature
2-05-565	Saltbush, Shadscale. ATRIPLEX CONFERTIFOLIA - browse, fresh, stem cured	Saltbush, Shadscale. ATRIPLEX CONFERTIFOLIA - browse, fresh, stem cured Shadscale saltbush, browse, fresh, stem cured*
2-04-170 2-04-169 1-04-168	Saltgrass. DISTICHLIS SPP - aerial part, fresh - aerial part, fresh, post ripe - aerial part, sun-cured	Saltgrass. DISTICHLIS SPP - fresh - fresh, post ripe - hay, sun-cured
2-04-171	Saltgrass, Desert. DISTICHLIS STRICTA - aerial part, fresh	Saltgrass, Desert. DISTICHLIS STRICTA - fresh
	Sand Dropseed - see Dropseed, Sand	Sand Dropseed - see Dropseed, Sand
	Sardine - see Fish, Sardine	Sardine - see Fish, Sardine
	Sawdust - see Wood	Sawdust - see Wood
	Schrock - see Sorghum, Schrock	Schrock - see Sorghum, Schrock
	Screenings - see Grain or Seed Screenings	Screenings - see Grain or Seed Screenings
1-08-073	Seaweed, Kelp. LAMINARIALES (ORDER)-FUCALES (ORDER) - whole, dehydrated	Seaweed, Kelp. LAMINARIALES (ORDER)-FUCALES (ORDER) - whole, dehydrated Dried kelp (AAFCO) Kelp (seaweed), whole, dehydrated*
2-04-195 1-04-193	Sedge. CAREX SPP - aerial part, fresh - aerial part, sun-cured	Sedge. CAREX SPP - fresh - hay, sun-cured

TABLE 6.2 (Cont.)

	Seed Screenings – see Alfalfa; Clover; Cotton; Flax; Grass; Sweetclover	Seed Screenings – see Alfalfa; Clover; Cotton; Flax; Grass; Sweetclover
2-04-216	Serradella, Common. ORNITHOPUS SATIVUS - aerial part, fresh	Serradella, Common. ORNITHOPUS SATIVUS - fresh
5-08-509	Sesame. SESAMUM INDICUM - seeds	Sesame. SESAMUM INDICUM - seeds
5-04-220	- seeds oil residue, mechanical extracted ground	- seeds, meal mechanical extracted
5-26-096	- seeds oil residue, solvent extracted ground, 44% protein	- seeds, meal solvent extracted, 44% protein
	Shadscale Saltbush – see Saltbush, Shadscale	Shadscale Saltbush – see Saltbush, Shadscale
6-14-505	Shale, Gypsiferrous. -	Shale, Gypsiferrous. - Gypsiferrous shale (AAFCO)
	Shallu – see Sorghum, Shallu	Shallu – see Sorghum, Shallu
	Shark – see Fish, Shark	Shark – see Fish, Shark
5-08-116	Sheep. OVIS ARIES - livers, fresh	Sheep. OVIS ARIES - livers, fresh
5-08-510	- milk, fresh	- milk, fresh Milk, fresh (sheep)*
	Shells – see Almond; Clam; Mollusks; Oyster	Shells – see Almond; Clam; Mollusks; Oyster
	Shorts – see Wheat	Shorts – see Wheat
5-04-226	Shrimp. PANDALUS SPP-PENAEUS SPP - process residue, dehydrated ground	Shrimp. PANDALUS SPP-PENAEUS SPP - process residue (shrimp meal) Shrimp meal (AAFCO)
8-08-034	Silicon, Dioxide. - SiO ₂	Silicon, Dioxide. - SiO ₂ Silicon dioxide (AAFCO)
	Skim milk – see Cattle	Skim milk – see Cattle
5-01-172	Skim milk (cattle). - centrifuged condensed+	Skim milk (cattle). - condensed+ Condensed skimmed milk (AAFCO)
5-01-175	- centrifuged dehydrated+	- dehydrated+ Dried skimmed milk, feed grade (AAFCO)
5-01-170	- centrifuged fresh+	- fresh+
5-01-173	- cultured condensed+	- cultured condensed+ Condensed cultured skimmed milk (AAFCO)
5-01-174	- cultured dehydrated+	- cultured dehydrated+ Dried cultured skimmed milk (AAFCO)
5-08-094	Skin Fleshings (animal). - acid hydrolyzed wet rendered+	Skin Fleshings (animal). - acid hydrolyzed rendered+ Fleshings hydrolysate (AAFCO)
1-04-237	Sloughgrass, American. BECKMANNIA SYZIGACHNE - aerial part, sun-cured, mature	Sloughgrass, American. BECKMANNIA SYZIGACHNE - hay, sun-cured, mature
6-08-999	Smectite-Vermiculite. -	Smectite-Vermiculite. - Smectite-vermiculite (AAFCO)
	Smooth Brome – see Brome, Smooth	Smooth Brome – see Brome, Smooth
2-04-250	Snowberry. SYMPHORICARPOS SPP - browse, fresh, midbloom	Snowberry. SYMPHORICARPOS SPP - browse, fresh, midbloom
2-04-268	Soapweed. YUCCA GLAUCA - aerial part, fresh	Soapweed. YUCCA GLAUCA - fresh
8-14-512	Sodium, Bentonite. -	Sodium, Bentonite. - Sodium bentonite (AAFCO)

TABLE 6.2 (Cont.)

8-04-271	Sodium, Benzoate. -	Sodium, Benzoate. - Sodium benzoate (AAFCO)
6-04-272	Sodium, Bicarbonate. - NaHCO ₃	Sodium, Bicarbonate. - NaHCO ₃ Sodium bicarbonate (AAFCO)
6-04-273	- NaHCO ₃ , chemically pure	- NaHCO ₃ , chemically pure
6-12-316	Sodium, Carbonate. - Na ₂ CO ₃	Sodium, Carbonate. - Na ₂ CO ₃ Sodium carbonate (AAFCO)
6-12-315	Sodium, Hexametaphosphate. - (NaPO ₃) ₆	Sodium, Hexametaphosphate. - (NaPO ₃) ₆ Sodium hexametaphosphate (AAFCO)
6-04-279	Sodium, Iodide. - NaI	Sodium, Iodide. - NaI Sodium iodide (AAFCO)
8-26-333	Sodium, Lasalocid. -	Sodium, Lasalocid. - Lasalocid sodium (AAFCO)
8-04-283	Sodium, Nitrite. -	Sodium, Nitrite. - Sodium nitrite (AAFCO)
6-04-286	Sodium, Phosphate. - dibasic, Na ₂ HPO ₄	Sodium, Phosphate. - dibasic, Na ₂ HPO ₄ Disodium phosphate (AAFCO)
6-04-288	- monobasic, NaH ₂ PO ₄ ·H ₂ O	- monobasic, NaH ₂ PO ₄ ·H ₂ O Monosodium phosphate (AAFCO)
6-04-287	- monobasic, NaH ₂ PO ₄ ·H ₂ O, chemically pure	- monobasic, NaH ₂ PO ₄ ·H ₂ O, chemically pure
6-20-871	- tribasic, Na ₃ PO ₄	- tribasic, Na ₃ PO ₄ Tribasic sodium phosphate (AAFCO)
8-04-289	Sodium, Propionate. -	Sodium, Propionate. - Sodium propionate (AAFCO)
6-26-014	Sodium, Selenate. - Na ₂ SeO ₄	Sodium, Selenate. - Na ₂ SeO ₄ Sodium selenate (AAFCO)
6-26-013	Sodium, Selenite. - Na ₂ SeO ₃	Sodium, Selenite. - Na ₂ SeO ₃ Sodium selenite (AAFCO)
8-04-290	Sodium, Sorbate. -	Sodium, Sorbate. - Sodium sorbate (AAFCO)
8-14-007	Sodium, Stearoyl-2-Lactylate. -	Sodium, Stearoyl-2-Lactylate. - Sodium stearoyl-2-lactylate (AAFCO)
6-04-291	Sodium, Sulfate. - decahydrate, Na ₂ SO ₄ ·10H ₂ O	Sodium, Sulfate. - decahydrate, Na ₂ SO ₄ ·10H ₂ O Sodium sulfate (AAFCO)
6-04-292	- decahydrate, Na ₂ SO ₄ ·10H ₂ O, chemically pure	- decahydrate, Na ₂ SO ₄ ·10H ₂ O, chemically pure
6-08-076	Sodium, Tripolyphosphate. - Na ₅ P ₃ O ₁₀	Sodium, Tripolyphosphate. - Na ₅ P ₃ O ₁₀ Sodium tripolyphosphate (AAFCO)
8-26-304	Sodium Ascorbate. -	Sodium Ascorbate. - Sodium ascorbate (AAFCO)
8-26-305	Sodium Bisulfite. -	Sodium Bisulfite. - Sodium bisulfite (AAFCO)

TABLE 6.2 (Cont.)

8-08-100	Sodium Carboxymethyl Cellulose. -	Sodium Carboxymethyl Cellulose. -
		Sodium carboxymethyl cellulose (AAFCO)
	Sodium Chloride - see Salt	Sodium Chloride - see Salt
8-26-306	Sodium Metabisulfite. -	Sodium Metabisulfite. -
		Sodium metabisulfite (AAFCO)
8-08-101	Sodium Silico Aluminate. -	Sodium Silico Aluminate. -
		Sodium silico aluminate (AAFCO)
8-26-307	Sodium Sulfite. -	Sodium Sulfite. -
		Sodium sulfite (AAFCO)
1-28-258	Solka Floc. -	Solka Floc. -
8-04-297	Sorbic, Acid. -	Sorbic, Acid. -
		Sorbic acid (AAFCO)
8-05-695	Sorbitan Monostearate With Or Without polysorbate 60. -	Sorbitan Monostearate With Or Without polysorbate 60. -
		Sorbitan monostearate with or without polysorbate 60 (AAFCO)
3-04-323	Sorghum. SORGHUM BICOLOR - aerial part, ensiled	Sorghum. SORGHUM BICOLOR - silage
3-09-092	- aerial part, ensiled, milk stage	- silage, milk stage
3-04-321	- aerial part, ensiled, dough stage	- silage, dough stage
3-04-322	- aerial part, ensiled, mature	- silage, mature
1-07-960	- aerial part, sun-cured	- aerial part with heads, sun-cured (fodder)
1-04-299	- aerial part, sun-cured, early vegetative	- aerial part, sun-cured, early vegetative
1-06-141	- aerial part, sun-cured, late vegetative	- aerial part, sun-cured, late vegetative
1-06-142	- aerial part, sun-cured, early bloom	- aerial part, sun-cured, early bloom
3-04-326	- aerial part without heads, ensiled	- aerial part without heads, silage (stover)
1-04-302	- aerial part without heads, sun-cured	- aerial part without heads, sun-cured (stover)
5-04-374	- distillers grains, dehydrated	- distillers grains, dehydrated
5-04-375	- distillers grains with solubles, dehydrated	Grain sorghum distillers dried grains (AAFCO)
		- distillers grains with solubles, dehydrated
		Grain sorghum distillers dried grains with solubles (AAFCO)
5-12-231	- distillers solubles, condensed	- distillers solubles, condensed
		Sorghum condensed distillers solubles (AAFCO)
5-04-376	- distillers solubles, dehydrated	- distillers solubles, dehydrated
		Sorghum distillers dried solubles (AAFCO)
4-08-035	- flour, gelatinized	- flour, gelatinized
		Gelatinized sorghum grain flour (AAFCO)
4-08-036	- flour, partially aspirated gelatinized	- flour, partially aspirated gelatinized
		Partially aspirated gelatinized sorghum grain flour (AAFCO)
5-12-178	- germs oil residue, mechanical extracted caked	- germs, mechanical extracted caked
		Sorghum germ cake (AAFCO)
5-04-377	- germs oil residue, mechanical extracted ground	- germs, meal mechanical extracted
		Grain sorghum germ meal (AAFCO)
5-04-388	- gluten, wet milled dehydrated ground	- gluten, meal
		Grain sorghum gluten meal (AAFCO)
5-04-389	- gluten with bran, wet milled dehydrated ground	- gluten with bran (sorghum gluten feed)
		Grain sorghum gluten feed (AAFCO)
4-04-383	- grain	- grain
4-04-378	- grain, cracked	- grain, cracked
		Cracked grain sorghum (AAFCO)
4-04-379	- grain, ground	- grain, ground
		Ground grain sorghum (AAFCO)
4-04-380	- grain, rolled	- grain, rolled
		Rolled grain sorghum (AAFCO)
4-20-892	- grain, less than 8% protein	- grain, less than 8% protein
4-08-138	- grain, less than 9% protein	- grain, less than 9% protein
4-20-894	- grain, more than 10% protein	- grain, more than 10% protein
4-08-140	- grain, more than 12% protein	- grain, more than 12% protein

TABLE 6.2 (Cont.)

Sorghum (Cont.)		Sorghum (Cont.)	
4-20-893	- grain, 8-10% protein	- grain, 8-10% protein	
4-08-139	- grain, 9-12% protein	- grain, 9-12% protein	
4-27-721	- grain screenings	- screenings	
4-04-384	- grits, cracked screened	Sorghum grain screenings (AAFCO)	
4-04-385	- grits by-product	- grits, cracked screened	
		Grain sorghum grits (AAFCO)	
		- grits by-product	
		Grain sorghum mill feed (AAFCO)	
Sorghum, Atlas. SORGHUM BICOLOR		Sorghum, Atlas. SORGHUM BICOLOR	
1-04-336	- aerial part without heads, sun-cured	- aerial part without heads, sun-cured (stover)	
1-04-334	- aerial part, sun-cured	Atlas sorghum, aerial part without heads, sun-cured (stover)*	
3-04-340	- aerial part without heads, ensiled	- aerial part, sun-cured (fodder)	
4-04-342	- grain	Atlas sorghum, aerial part with heads, sun-cured (fodder)*	
		- aerial part without heads, silage (stover)	
		Atlas sorghum, aerial part without heads, silage (stover, silage)*	
		- grain	
		Atlas sorghum, grain*	
Sorghum, Darso. SORGHUM BICOLOR		Sorghum, Darso. SORGHUM BICOLOR	
3-04-356	- aerial part, ensiled	- silage	
2-04-355	- aerial part, fresh	Darso sorghum, silage*	
4-04-357	- grain	- fresh	
		Darso sorghum, fresh*	
		- grain	
		Darso, grain*	
Sorghum, Durra. SORGHUM BICOLOR DURRA		Sorghum, Durra. SORGHUM BICOLOR DURRA	
3-04-364	- aerial part, ensiled	- silage	
2-04-363	- aerial part, fresh	Durra sorghum, silage*	
1-04-359	- aerial part, sun-cured	- fresh	
4-04-365	- grain	Durra sorghum, aerial part with heads, fresh (fodder)*	
		- aerial part, sun-cured (fodder)	
		Durra sorghum, aerial part with heads, sun-cured (fodder)*	
		- grain	
		Durra, grain*	
Sorghum, Feterita. SORGHUM BICOLOR CAUDATUM		Sorghum, Feterita. SORGHUM BICOLOR CAUDATUM	
3-04-368	- aerial part, ensiled	- silage	
4-04-369	- grain	Feterita sorghum, silage*	
4-04-370	- heads	- grain	
		Feterita, grain*	
		- heads	
		Feterita, heads*	
Sorghum, Hegari. SORGHUM BICOLOR CAFFRORUM		Sorghum, Hegari. SORGHUM BICOLOR CAFFRORUM	
3-04-395	- aerial part, ensiled	- silage	
1-04-390	- aerial part, sun-cured, dough stage	Hegari sorghum, silage*	
3-04-396	- aerial part without heads, ensiled	- aerial part, sun-cured, dough stage	
1-08-515	- aerial part without heads, sun-cured	Hegari sorghum, aerial part with heads, sun-cured (fodder)*	
4-04-398	- grain	- aerial part without heads, silage (stover)	
4-04-399	- heads	Hegari sorghum, stover without heads, silage*	
		- aerial part without heads, sun-cured (stover)	
		Hegari sorghum, aerial part without heads, sun-cured (stover)*	
		- grain	
		Hegari, grain*	
		- heads	
		Hegari, heads*	
Sorghum, Johnsongrass. SORGHUM HALEPENSE		Sorghum, Johnsongrass. SORGHUM HALEPENSE	
3-04-413	- aerial part, ensiled	- silage	
2-04-409	- aerial part, fresh, early vegetative	Johnsongrass (sorghum), silage*	
2-04-410	- aerial part, fresh, full bloom	- fresh, early vegetative	
		Johnsongrass (sorghum), fresh, early vegetative*	
		- fresh, full bloom	
		Johnsongrass (sorghum), fresh, full bloom*	

TABLE 6.2 (Cont.)

Sorghum, Johnsongrass (Cont.)		Sorghum, Johnsongrass (Cont.)	
1-04-407	- aerial part, sun-cured	- hay, sun-cured	Johnsongrass (sorghum), hay, sun-cured*
3-04-414	- aerial part molasses added, ensiled	- aerial part molasses added, silage	Johnsongrass (sorghum), silage with molasses*
Sorghum, Kafir. SORGHUM BICOLOR CAFFRORUM		Sorghum, Kafir. SORGHUM BICOLOR CAFFRORUM	
3-04-425	- aerial part, ensiled	- silage	Kafir sorghum, silage*
2-04-424	- aerial part, fresh	- fresh	Kafir sorghum, aerial part with heads, fresh (fodder)*
1-04-418	- aerial part, sun-cured	- aerial part, sun-cured (fodder)	Kafir sorghum, aerial part with heads, sun-cured (fodder)*
1-04-417	- aerial part, sun-cured, late bloom	- aerial part, sun-cured, late bloom	Kafir sorghum, aerial part, sun-cured, late bloom*
1-04-419	- aerial part without heads, sun-cured	- aerial part without heads, sun-cured (stover)	Kafir sorghum, aerial part without heads, sun-cured (stover)*
1-04-420	- chaff	- chaff	
4-04-428	- grain	- grain	Kafir, grain*
4-04-429	- heads	- heads	Kafir, heads*
Sorghum, Kalo. SORGHUM BICOLOR		Sorghum, Kalo. SORGHUM BICOLOR	
4-04-430	- grain	- grain	Kalo, grain*
Sorghum, Kaoliang. SORGHUM BICOLOR NERVOSUM		Sorghum, Kaoliang. SORGHUM BICOLOR NERVOSUM	
4-04-431	- grain	- grain	Kaoliang, grain*
Sorghum, Milo. SORGHUM BICOLOR SUBGLABRESCENS		Sorghum, Milo. SORGHUM BICOLOR SUBGLABRESCENS	
3-04-437	- aerial part, ensiled	- silage	Milo sorghum, aerial part with heads, silage (fodder)*
2-04-436	- aerial part, fresh	- fresh	Milo sorghum, fresh*
1-04-433	- aerial part, sun-cured	- aerial part, sun-cured (fodder)	Milo sorghum, aerial part with heads, sun-cured (fodder)*
1-04-434	- aerial part without heads, sun-cured	- aerial part without heads, sun-cured (stover)	Milo sorghum, aerial part without heads, sun-cured (stover)*
5-08-087	- gluten, wet milled dehydrated ground	- gluten, meal	Milo sorghum, gluten*
4-08-089	- gluten with bran, wet milled dehydrated ground	- gluten with bran (gluten feed)	Milo, gluten with bran (gluten feed)*
4-04-444	- grain	- grain	Milo, grain*
4-04-446	- heads	- heads	Milo, heads*
Sorghum, Sagrain. SORGHUM BICOLOR		Sorghum, Sagrain. SORGHUM BICOLOR	
3-08-518	- aerial part, ensiled	- silage	
4-08-603	- grain	- grain	Sagrain, grain*
Sorghum, Schrock. SORGHUM BICOLOR SCHROCK		Sorghum, Schrock. SORGHUM BICOLOR SCHROCK	
4-04-452	- grain	- grain	Schrock, grain*
Sorghum, Shallu. SORGHUM BICOLOR ROXBURGHII		Sorghum, Shallu. SORGHUM BICOLOR ROXBURGHII	
4-04-456	- grain	- grain	Shallu, grain*
Sorghum, Sorgo. SORGHUM BICOLOR SACCHARATUM		Sorghum, Sorgo. SORGHUM BICOLOR SACCHARATUM	
3-04-468	- aerial part, ensiled	- silage	
2-04-465	- aerial part, fresh	- fresh	
1-04-460	- aerial part, sun-cured	- aerial part, sun-cured (fodder)	Sorgo sorghum, aerial part with heads, sun-cured (fodder)*

TABLE C.2 (Cont.)

Sorghum, Sudangrass. SORGHUM BICOLOR SUDANENSE		Sorghum, Sudangrass. SORGHUM BICOLOR SUDANENSE	
3-04-499	- aerial part, ensiled	- silage	
2-04-489	- aerial part, fresh	- fresh	
2-04-484	- aerial part, fresh, early vegetative	Sudangrass (sorghum), fresh*	
2-04-485	- aerial part, fresh, midbloom	- fresh, early vegetative	
2-04-487	- aerial part, fresh, mature	Sudangrass (sorghum), fresh, early vegetative*	
1-04-480	- aerial part, sun-cured	- fresh, midbloom	
4-08-520	- grain	- fresh, mature	
		Sudangrass (sorghum), fresh, mature*	
		- hay, sun-cured	
		Sudangrass (sorghum), hay, sun-cured*	
		- grain	
		Sudangrass, grain*	
Sorghum-Cowpea. SORGHUM BICOLOR-VIGNA SPP		Sorghum-Cowpea. SORGHUM BICOLOR-VIGNA SPP	
3-04-521	- aerial part, ensiled	- silage	
Sorgo - see Sorghum, Sorgo		Sorgo - see Sorghum, Sorgo	
Sotol. DASYLIRION SPP		Sotol. DASYLIRION SPP	
2-04-526	- heads, fresh	- heads, fresh	
Soy - see Soybean		Soy - see Soybean	
Soybean. GLYCINE MAX		Soybean. GLYCINE MAX	
3-04-581	- aerial part, ensiled	- silage	
2-04-574	- aerial part, fresh	- fresh	
2-04-572	- aerial part, fresh, milk stage	- fresh, milk stage	
2-04-573	- aerial part, fresh, dough stage	- fresh, dough stage	
1-04-558	- aerial part, sun-cured	- hay, sun-cured	
1-04-538	- aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom	
1-04-542	- aerial part, sun-cured, dough stage	- hay, sun-cured, dough stage	
1-04-559	- aerial part, sun-cured ground	- hay, sun-cured ground	
4-04-594	- flour by-product	Ground soybean hay (AAFCO)	
5-12-177	- flour oil residue, mechanical extracted	- flour by-product (soybean mill feed)	
5-04-593	- flour oil residue, solvent extracted	Soybean mill feed (AAFCO)	
5-12-176	- grits oil residue, mechanical extracted	- flour, mechanical extracted	
5-04-592	- grits oil residue, solvent extracted	Soy flour (AAFCO)	
4-04-562	- lecithin	- flour, solvent extracted	
4-04-595	- mill run	Soy flour (AAFCO)	
5-26-010	- protein, chemically modified	- grits, mechanical extracted	
5-08-038	- protein concentrate, more than 70% protein	Soy grits (AAFCO)	
1-04-560	- seed coats	- grits, solvent extracted	
5-04-610	- seeds	Soy grits (AAFCO)	
5-14-005	- seeds, extruded ground	- lecithin	
5-04-596	- seeds, ground	Soy lecithin (AAFCO)	
5-04-597	- seeds, heat processed	Soy phosphatide (AAFCO)	
5-12-317	- seeds, thermally expanded	- mill run (groats by-product)	
5-04-613	- seeds low protein low carbohydrates oil residue, solvent extracted ground	Soybean mill run (AAFCO)	
4-07-983	- seeds oil	- protein, chemically modified	
5-09-343	- seeds oil residue, kibbled solvent extracted	Soybean protein product, chemically modified (AAFCO)	
5-04-600	- seeds oil residue, mechanical extracted ground	- protein concentrate, more than 70% protein	
		Soy protein concentrate (AAFCO)	
		- seed coats (hulls)	
		Soybean hulls (AAFCO)	
		- seeds	
		- seeds, extruded ground	
		ground extruded whole soybeans (AAFCO)	
		- seeds, ground	
		Ground soybeans (AAFCO)	
		- seeds, heat processed	
		Heat processed soybeans (AAFCO)	
		- seeds, thermally expanded	
		Jet-sploded whole soybeans (AAFCO)	
		- seeds low protein low carbohydrates, meal solvent extracted	
		Soybean feed, solvent extracted (AAFCO)	
		- oil	
		Fats and oils, oil, soybean*	
		- seeds, kibbled solvent extracted	
		Kibbled soybean meal (AAFCO)	
		- seeds, meal mechanical extracted	
		Soybean meal, mechanical extracted (AAFCO)	

TABLE 6.2 (Cont.)

Soybean (Cont.)	Soybean (Cont.)
5-04-604 - seeds oil residue, solvent extracted ground	- seeds, meal solvent extracted Soybean meal, solvent extracted (AAFCO)
5-20-637 - seeds oil residue, solvent extracted ground, 44% protein	- seeds, meal solvent extracted, 44% protein
5-26-146 - seeds oil residue, solvent extracted ground, 46% protein	- seeds, meal solvent extracted, 46% protein
5-04-612 - seeds without hulls oil residue, solvent extracted ground	- seeds without hulls, meal solvent extracted
	Soybean meal, dehulled, solvent extracted (AAFCO)
5-20-638 - seeds without hulls oil residue, solvent extracted ground, 49% protein	- seeds without hulls, meal solvent extracted, 49% protein
5-09-344 - solubles, condensed	- solubles, condensed
1-04-567 - straw	Condensed soybean solubles (AAFCO)
	- straw
Soybean-Millet. GLYCINE MAX-SETARIA SPP	Soybean-Millet. GLYCINE MAX-SETARIA SPP
2-04-639 - aerial part, fresh	- fresh
Soybean-Sorghum, Sudangrass. GLYCINE MAX-SORGHUM BICOLOR, SUDANENSE	Soybean-Sorghum, Sudangrass. GLYCINE MAX-SORGHUM BICOLOR, SUDANENSE
3-04-644 - aerial part, ensiled	- silage
2-04-646 - aerial part, fresh	- fresh
Spanishmoss. TILLANDSIA USNEOIDES	Spanishmoss. TILLANDSIA USNEOIDES
2-04-648 - whole, fresh	- whole, fresh
1-04-868 - whole, sun-cured	- whole, sun-cured
Spelt. TRITICUM SPELTA	Spelt. TRITICUM SPELTA
4-04-651 - grain	- grain
Spinach. SPINACIA OLERACEA	Spinach. SPINACIA OLERACEA
2-08-125 - leaves, fresh	- leaves, fresh
Squirreltail. SITANION SPP	Squirreltail. SITANION SPP
2-05-566 - aerial part, fresh, stem cured	- fresh, stem cured
Stannous Chloride.	Stannous Chloride.
8-26-308 -	- Stannous chloride (AAFCO)
Starch-Urea Product.	Starch-Urea Product.
5-14-506 - gelatinized	- gelatinized Gelatinized starch-urea product (AAFCO)
Starch-Urea Product.	Starch-Urea Product.
5-30-264 - liquid	- liquid Liquid starch-controlled urea product (AAFCO)
Starfish. ASTEROIDEA (CLASS)	Starfish. ASTEROIDEA (CLASS)
5-08-527 - whole, dehydrated ground	- whole, meal
Stargrass. CYNODON PLECTOSTACHYUS	Stargrass. CYNODON PLECTOSTACHYUS
2-09-730 - aerial part, fresh	- fresh
1-13-407 - aerial part, sun-cured	- hay, sun-cured
Steffens Filtrate - see Beet, Sugar	Steffens Filtrate - see Beet, Sugar
Straw - see Cereals or Specific Species	Straw - see Cereals or Specific Species
Streptomycin.	Streptomycin.
8-04-684 -	- Streptomycin (AAFCO)
Subterranean Clover - see Clover, Subterranean	Subterranean Clover - see Clover, Subterranean
Sucrose - see Sugarcane	Sucrose - see Sugarcane
Sudangrass - see Sorghum, Sudangrass	Sudangrass - see Sorghum, Sudangrass
Sugar (beet, sugar).	Sugar (beet, sugar).
4-06-176 - +	- +
4-23-411 - brown+	- brown+

TABLE 6.2 (Cont.)

	Sugar (sugarcane).		Sugar (sugarcane).
4-04-701	- +		- +
4-13-578	- brown+		- brown+
	Sugar Beet - see Beet, Sugar		Sugar Beet - see Beet, Sugar
	Sugar Foods.		Sugar Foods.
4-20-865	- process residue		- process residue (sugar foods by-product) Sugar foods by-product (AAFCO)
	Sugarcane. SACCHARUM OFFICINARUM		Sugarcane. SACCHARUM OFFICINARUM
3-04-693	- aerial part, ensiled		- silage
2-04-689	- aerial part, fresh		- fresh
1-04-686	- bagasse, dehydrated or sun-cured		- bagasse, dehydrated Bagasse (AAFCO) Bagasse, dehydrated (sugarcane) ⁴
4-13-251	- molasses		- molasses Cane molasses (AAFCO) Molasses and syrup, sugarcane, molasses ⁴
5-04-702	- molasses, ammoniated		- molasses, ammoniated Molasses and syrup, sugarcane, molasses, ammoniated ⁴
4-04-695	- molasses, dehydrated		- molasses, dehydrated Molasses and syrup, sugarcane, molasses, dehydrated ⁴
4-04-696	- molasses, more than 46% invert sugars more than 79.5 degrees brix		- molasses, more than 46% invert sugars more than 79.5 degrees brix Molasses and syrup, sugarcane, molasses, more than 46% invert sugars more than 79.5 degrees brix (black strap)
4-04-697	- molasses distillers solubles, condensed		- molasses distillers solubles, condensed
4-04-698	- molasses distillers solubles, dehydrated		- molasses distillers solubles, dehydrated Molasses distillers dried solubles (AAFCO)
5-14-009	- molasses yeast solubles, condensed		- molasses yeast solubles, condensed Molasses yeast condensed solubles (AAFCO) Molasses and syrup, sugarcane, molasses yeast, solubles condensed ⁴
2-13-248	- stems, fresh		- stems, fresh
4-04-701	- sugar		- sugar Sucrose ⁴
3-08-528	- top of aerial part, ensiled		- top of aerial part, silage
2-04-692	- top of aerial part with leaves, fresh		- top of aerial part with leaves, fresh Strip cane, fresh ⁴
	Sulfadimethoxine Plus Ormetoprim.		Sulfadimethoxine Plus Ormetoprim.
8-09-376	-		- Sulfadimethoxine plus ormetoprim (AAFCO)
	Sulfamerazine.		Sulfamerazine.
8-08-819	-		- Sulfamerazine (in trout) (AAFCO)
	Sulfanilimide.		Sulfanilimide.
8-12-191	-		- Sulfanilimide (AAFCO)
	Sulfanitran.		Sulfanitran.
8-08-105	-		- Sulfanitran (AAFCO)
	Sulfaquinoxaline.		Sulfaquinoxaline.
8-04-703	-		- Sulfaquinoxaline (AAFCO)
	Sulfathiazole.		Sulfathiazole.
8-04-704	-		- Sulfathiazole (AAFCO)
	Sulfur.		Sulfur.
6-04-705	-		- Sulfur (AAFCO)

TABLE 6.2 (Cont.)

8-26-309	Sulfur, Dioxide. - SO ₂		Sulfur, Dioxide. - SO ₂ Sulfur dioxide (AAFCO)
2-04-707	Sumac. RHUS SPP - browse, fresh		Sumac. RHUS SPP - browse, fresh
3-04-718	Summercypress, Belvedere. KOCHIA SCOPARIA - aerial part, ensiled		Summercypress, Belvedere. KOCHIA SCOPARIA - silage Kochia (summercypress), silage*
1-04-717	- aerial part, sun-cured		- hay, sun-cured
2-08-843	Summercypress, Gray. KOCHIA VESTITA - aerial part, fresh, stem cured		Summercypress, Gray. KOCHIA VESTITA - fresh, stem cured Desert molly (summercypress), fresh, stem cured*
3-04-712	Sunflower. HELIANTHUS SPP - aerial part, ensiled, late bloom		Sunflower. HELIANTHUS SPP - silage, late bloom
3-04-733	- aerial part, ensiled, milk stage		- silage, milk stage
3-04-735	- aerial part, ensiled, mature		- silage, mature
2-04-723	- aerial part, fresh		- fresh
1-04-720	- hulls		- hulls Sunflower hulls (AAFCO)
5-08-530	- seeds		- seeds
5-27-477	- seeds oil residue, mechanical extracted ground		- seeds, meal mechanical extracted Sunflower meal, mechanical extracted (AAFCO)
5-30-032	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted Sunflower meal, solvent extracted (AAFCO)
5-30-033	- seeds without hulls oil residue, mechanical extracted ground		- seeds without hulls, meal mechanical extracted Sunflower meal, dehulled, mechanical extracted (AAFCO)
5-30-034	- seeds without hulls oil residue, solvent extracted ground		- seeds without hulls, meal solvent extracted Sunflower meal, dehulled, solvent extracted (AAFCO)
2-10-697	Sunflower, Common. HELIANTHUS ANNUUS - aerial part, fresh		Sunflower, Common. HELIANTHUS ANNUUS - fresh
5-09-340	- seeds oil residue, solvent extracted ground		- seeds, meal solvent extracted
5-26-097	- seeds without hulls oil residue, mechanical extracted, 41% protein		- seeds without hulls, mechanical extracted, 41% protein
5-04-738	- seeds without hulls oil residue, mechanical extracted ground		- seeds without hulls, meal mechanical extracted
5-04-739	- seeds without hulls oil residue, solvent extracted ground		- seeds without hulls, meal solvent extracted
5-26-098	- seeds without hulls oil residue, solvent extracted ground, 44% protein		- seeds without hulls, meal solvent extracted, 44% protein
	Sweet Corn - see Maize, Sweet		Sweet Corn - see Maize, Sweet
	Sweet Vernalgrass - see Vernalgrass, Sweet		Sweet Vernalgrass - see Vernalgrass, Sweet
3-04-771	Sweetclover, Yellow. MELILOTUS OFFICINALIS - aerial part, ensiled		Sweetclover, Yellow. MELILOTUS OFFICINALIS - silage Clover, sweet, yellow, silage*
2-04-766	- aerial part, fresh		- fresh
1-04-754	- aerial part, sun-cured		- hay, sun-cured Clover, sweet, yellow, hay, sun-cured*
1-04-757	- leaves, sun-cured		- leaves, sun-cured Clover, sweet, yellow, leaves, sun-cured*
5-08-007	- seed screenings		- seed screenings Clover, sweet, yellow, seed screenings*
1-04-758	- stems, sun-cured		- stems, sun-cured Clover, sweet, yellow, stems, sun-cured*
3-04-785	Sweetpotato. IPOMOEA BATATAS - aerial part, ensiled		Sweetpotato. IPOMOEA BATATAS - aerial part, silage
1-04-779	- aerial part, sun-cured		- hay, sun-cured
4-08-535	- process residue, dehydrated		- process residue, dehydrated Sweetpotato by product, dried (AAFCO) Sweetpotato pomace, dried (AAFCO) Sweet potato pulp, dried (AAFCO) Sweet potato waste, dried

TABLE 6.2 (Cont.)

Sweetpotato (Cont.)	Sweetpotato (Cont.)
4-08-536 - tubers, dehydrated ground	- tubers, meal
4-04-787 - tubers, ensiled	- tubers, silage
4-04-788 - tubers, fresh	- tubers, fresh
Swine. SUS SCROFA	Swine. SUS SCROFA
5-04-791 - cracklings, dry rendered	- cracklings, rendered
4-04-790 - fat	Cracklings, rendered (swine)*
	- fat
	Swine fat, feed grade (AAFCO)
	Fats and oils, fat (lard), swine*
5-04-792 - livers, fresh	Lard, fat, swine*
5-26-140 - lungs, fresh	- livers, fresh
5-08-537 - milk, fresh	- lungs, fresh
	- milk, fresh
	Milk, fresh (swine)*
Switchgrass. PANICUM VIRGATUM	Switchgrass. PANICUM VIRGATUM
2-04-800 - aerial part, fresh	- fresh
Syrup - see Citrus; Maize; Pear	Syrup - see Citrus; Maize; Pear
Tagetes - see Marigold	Tagetes - see Marigold
Tall Fescue - see Fescue, Alta	Tall Fescue - see Fescue, Alta
Tall Oatgrass - see Oatgrass, Tall	Tall Oatgrass - see Oatgrass, Tall
Tallow (animal).	Tallow (animal).
4-08-127 - +	- +
Tankage (animal).	Tankage (animal).
5-00-386 - carcass residue with blood, dry rendered ground+	- meal rendered+
	Meat and bone meal tankage (AAFCO)
Tankage With Bone (animal).	Tankage With Bone (animal).
5-00-387 - carcass residue with bone, dry or wet rendered ground+	- meal rendered+
	Meat and bone meal tankage (AAFCO)
Tapioca - see Cassava	Tapioca - see Cassava
Taro - see Dasheen	Taro - see Dasheen
Taurine.	Taurine.
5-09-821 -	-
	Taurine (AAFCO)
Teosinte. EUCHLAENA SPP	Teosinte. EUCHLAENA SPP
2-04-823 - aerial part, fresh	- fresh
1-08-538 - aerial part, sun-cured	- hay, sun-cured
Tetrasodium Pyrophosphate.	Tetrasodium Pyrophosphate.
8-20-862 - Na ₄ P ₂ O ₇	- Na ₄ P ₂ O ₇
	Tetrasodium pyrophosphate (AAFCO)
Thiabendazole.	Thiabendazole.
8-04-827 -	-
	Thiabendazole (AAFCO)
Thiamine, Hydrochloride.	Thiamine, Hydrochloride.
7-04-828 - Crystalline	- Crystalline
	Thiamine (AAFCO)
	Thiamine hydrochloride (AAFCO)
Thiamine, Mononitrate.	Thiamine, Mononitrate.
7-04-829 - Crystalline	- Crystalline
	Thiamine mononitrate (AAFCO)
Thiodipropionic, Acid.	Thiodipropionic, Acid.
8-04-830 -	-
	Thiodipropionic acid (AAFCO)
Thistle, Russian - see Russianthistle	Thistle, Russian - see Russianthistle

TABLE 6.2 (Cont.)

Threonine - see L-Threonine	Threonine - see L-Threonine
Threeawn. ARISTIDA SPP	Threeawn. ARISTIDA SPP
2-04-838 - aerial part, fresh	- fresh Wiregrass (threeawn), fresh*
Thymol, Iodide.	Thymol, Iodide.
6-04-857 - C ₂₀ H ₂₄ I ₂ O ₂	- C ₂₀ H ₂₄ I ₂ O ₂ Thymol iodide (AAFCO)
Timothy. PHLEUM PRATENSE	Timothy. PHLEUM PRATENSE
3-04-922 - aerial part, ensiled	- silage
3-04-918 - aerial part, ensiled, early bloom	- silage, early bloom
3-04-920 - aerial part, ensiled, full bloom	- silage, full bloom
3-04-921 - aerial part, ensiled, milk stage	- silage, milk stage
2-04-912 - aerial part, fresh	- fresh
2-04-903 - aerial part, fresh, late vegetative	- fresh, late vegetative
2-04-905 - aerial part, fresh, midbloom	- fresh, midbloom
1-04-893 - aerial part, sun-cured	- hay, sun-cured
1-04-881 - aerial part, sun-cured, late vegetative	- hay, sun-cured, late vegetative
1-04-882 - aerial part, sun-cured, early bloom	- hay, sun-cured, early bloom
1-04-883 - aerial part, sun-cured, midbloom	- hay, sun-cured, midbloom
1-04-884 - aerial part, sun-cured, full bloom	- hay, sun-cured, full bloom
1-04-885 - aerial part, sun-cured, late bloom	- hay, sun-cured, late bloom
1-04-886 - aerial part, sun-cured, milk stage	- hay, sun-cured, milk stage
3-04-930 - aerial part, wilted ensiled	- silage wilted
3-04-934 - aerial part aiv preservative added, ensiled	- aerial part aiv preservative added, silage
3-08-543 - aerial part cereal grain added, ensiled	- aerial part cereal grain added, silage
3-04-954 - aerial part molasses added, wilted ensiled	- aerial part molasses added, silage wilted
3-08-544 - aerial part phosphoric acid preservative added, wilted ensiled	- aerial part phosphoric acid preservative added, silage wilted
Timothy-Clover. PHLEUM PRATENSE-TRIFOLIUM SPP	Timothy-Clover. PHLEUM PRATENSE-TRIFOLIUM SPP
1-04-973 - aerial part, sun-cured	- hay, sun-cured
Titanium, Dioxide.	Titanium, Dioxide.
8-20-860 - TiO ₂	- TiO ₂ Titanium dioxide (AAFCO)
Tobosa. HILARIA MUTICA	Tobosa. HILARIA MUTICA
2-08-578 - aerial part, fresh, early vegetative	- fresh, early vegetative
2-05-036 - aerial part, fresh, mature	- fresh, mature
Tocopherols.	Tocopherols (vitamin E),.
7-05-038 -	- supplement Tocopherols (AAFCO)
Tomato. LYCOPERSICON ESCULENTUM	Tomato. LYCOPERSICON ESCULENTUM
4-05-040 - fruit, fresh	- fruit, fresh
5-05-041 - pomace, dehydrated or sun-cured	- pomace, dehydrated Dried tomato pomace (AAFCO)
5-05-042 - pomace, wet	- pomace, wet
Torula Dried Yeast - see Yeast, Torula	Torula Dried Yeast - see Yeast, Torula
Trefoil, Big. LOTUS ULIGINOSUS	Trefoil, Big. LOTUS ULIGINOSUS
1-08-545 - aerial part, sun-cured	- hay, sun-cured Deervetch (trefoil, big), wetland, hay, sun-cured*
Trefoil, Birdsfoot. LOTUS CORNICULATUS	Trefoil, Birdsfoot. LOTUS CORNICULATUS
2-20-786 - aerial part, fresh	- fresh Birdsfoot trefoil, fresh* Deervetch, birdsfoot (trefoil), fresh*
1-05-044 - aerial part, sun-cured	- hay, sun-cured Birdsfoot trefoil, hay, sun-cured* Deervetch (trefoil), birdsfoot, hay, sun-cured*
Trefoil, Yellow - see Medic, Black	Trefoil, Yellow - see Medic, Black
Tribasic Sodium Phosphate.	Tribasic Sodium Phosphate.
6-20-871 - Na ₃ PO ₄ ⁺	- Na ₃ PO ₄ ⁺

TABLE 6.2 (Cont.)

	Tribasic Sodium Phosphate – see Sodium Phosphate, Tribasic		Tribasic Sodium Phosphate – see Sodium Phosphate, Tribasic
	Tricalcium Phosphate – see Calcium Phosphate, Tribasic		Tricalcium Phosphate – see Calcium Phosphate, Tribasic
6-01-084	Tricalcium Phosphate. – from furnaced phosphoric acid+		Tricalcium Phosphate. – from furnaced phosphoric acid+ tricalcium phosphate (AAFCO)
4-20-362	Triticale. TRITICALE HEXAPLOIDE – grain		Triticale. TRITICALE HEXAPLOIDE – grain
	Tumbleweed – see Russianthistle		Tumbleweed – see Russianthistle
	Tuna – see Fish, Tuna		Tuna – see Fish, Tuna
5-08-616	Turkey. MELEAGRIS GALLOPAVO – viscera, fresh		Turkey. MELEAGRIS GALLOPAVO – viscera, fresh
5-07-985	– viscera, fresh, young birds		– viscera, fresh, young birds
2-05-063	Turnip. BRASSICA RAPA RAPA – aerial part, fresh		Turnip. BRASSICA RAPA RAPA – fresh
4-05-067	– roots, fresh		– roots, fresh
8-05-069	Tylosin. –		Tylosin. – Tylosin (AAFCO)
8-09-377	Tylosin Plus Hygromycin B. –		Tylosin Plus Hygromycin B. – Tylosin plus hygromycin B (AAFCO)
8-09-378	Tylosin Plus Sulfamethazine. –		Tylosin Plus Sulfamethazine. – Tylosin plus sulfamethazine (AAFCO)
	Unborn Calf Carcass – see Cattle		Unborn Calf Carcass – see Cattle
5-05-070	Urea. – 45% nitrogen 281% protein equivalent		Urea. – 45% nitrogen 281% protein equivalent Urea (AAFCO)
5-20-705	Urea Conditioner Added. – 42% nitrogen 262% protein equivalent		Urea Conditioner Added. – 42% nitrogen 262% protein equivalent
8-08-995	Urea Formaldehyde. –		Urea Formaldehyde. – Urea formaldehyde (AAFCO)
2-05-072	Vaseygrass. PASPALUM URVILLEI – aerial part, fresh, mature		Vaseygrass. PASPALUM URVILLEI – fresh, mature
4-12-250	Vegetable. – fat, blended		Vegetable. – fat, blended Vegetable fat blend, feed grade (AAFCO)
4-12-240	– fatty acids of ethyl ester		– fatty acids of ethyl ester Ethyl ester of vegetable oil fatty acids, feed grade (AAFCO)
4-05-074	– fatty acids of methyl ester		– fatty acids of methyl ester Methyl ester of vegetable fatty acids, feed grade (AAFCO)
4-05-075	– fatty acids of non-glyceride ester		– fatty acids of non-glyceride ester Non-glyceride ester of vegetable fatty acids, feed grade (AAFCO)
4-05-077	– oil		– oil Vegetable fat, or oil, feed grade (AAFCO) Fats and oils, oil, vegetable*
4-05-076	– oil, hydrolyzed		– oil, hydrolyzed Hydrolyzed vegetable oil, feed grade (AAFCO) Fats and oils, oil, vegetable, hydrolyzed*
4-05-078	– oil refinery lipid		– oil refinery lipid Vegetable oil refinery lipid, feed grade (AAFCO) Fats and oils, oil, vegetable refinery lipid*

TABLE 6.2 (Cont.)

	Velvetbean. MUCUNA SPP		Velvetbean. MUCUNA SPP
2-05-084	- aerial part, fresh, dough stage		- fresh, dough stage
1-05-080	- aerial part, sun-cured		- hay, sun-cured
4-05-087	- pods with seeds, sun-cured		- pods with seeds, sun-cured
	Verbena, European. VERBENA OFFICINALIS		Verbena, European. VERBENA OFFICINALIS
4-26-082	- seeds		- seeds Pigeons-grass (verbena, European), seeds*
	Vernalgrass, Sweet. ANTHOXANTHUM ODORATUM		Vernalgrass, Sweet. ANTHOXANTHUM ODORATUM
2-05-094	- aerial part, fresh		- fresh Sweet vernalgrass, fresh*
	Verxite.		Verxite.
8-08-994	- flakes		- flakes Verxite flakes (AAFCO)
8-08-993	- granules		- granules Verxite granules (AAFCO)
8-09-350	- grits		- grits Verxite grits (AAFCO)
	Vetch. VICIA SPP		Vetch. VICIA SPP
3-05-112	- aerial part, ensiled		- silage
2-05-111	- aerial part, fresh		- fresh
1-05-106	- aerial part, sun-cured		- hay, sun-cured
5-08-546	- seeds		- seeds
	Vetch, Common. VICIA SATIVA		Vetch, Common. VICIA SATIVA
2-05-123	- aerial part, fresh		- fresh
	Vetch, Hairy. VICIA VILLOSA		Vetch, Hairy. VICIA VILLOSA
2-05-124	- aerial part, fresh		- fresh
	Vetch-Oats. VICIA SPP-AVENA SATIVA		Vetch-Oats. VICIA SPP-AVENA SATIVA
3-08-547	- aerial part, ensiled		- silage
2-05-133	- aerial part, fresh		- fresh
1-05-132	- aerial part, sun-cured		- hay, sun-cured
	Vetch-Wheat. VICIA SPP-TRITICUM AESTIVUM		Vetch-Wheat. VICIA SPP-TRITICUM AESTIVUM
1-05-136	- aerial part, sun-cured		- hay, sun-cured
3-08-548	- aerial part molasses added, ensiled		- aerial part molasses added, silage
	Vine-Mesquite. PANICUM OBTUSUM		Vine-Mesquite. PANICUM OBTUSUM
2-05-139	- aerial part, fresh, mature		- fresh, mature
	Virginiamycin.		Virginiamycin.
8-26-002	-		- Virginiamycin (AAFCO)
	Vitamin A.		Vitamin A.
7-05-141	- oil		- oil Vitamin A oil (AAFCO) Fats and oils, oil, vitamin A*
	Vitamin A, Acetate.		Vitamin A, Acetate.
7-05-142	-		- Vitamin A acetate (AAFCO)
	Vitamin A, Palmitate.		Vitamin A, Palmitate.
7-05-143	-		- Vitamin A palmitate (AAFCO)
	Vitamin A, Propionate.		Vitamin A, Propionate.
7-26-311	-		- Vitamin A propionate (AAFCO)
	Vitamin A, Supplement.		Vitamin A, Supplement.
7-05-144	-		- Vitamin A supplement (AAFCO)
	Vitamin A And D.		Vitamin A And D.
7-05-145	- oil		- oil Vitamin A and D oil (AAFCO) Fats and oils, oil, vitamin A and D*

TABLE 6.2 (Cont.)

7-05-146	Vitamin B₁₂, Supplement. -	Vitamin B₁₂, Supplement. - Vitamin B ₁₂ supplement (AAFCO)
7-05-147	Vitamin D. - oil	Vitamin D. - oil Vitamin D oil (AAFCO) Fats and oils, oil, vitamin D*
7-05-149	Vitamin D₂, Supplement. -	Vitamin D₂, Supplement. - Vitamin D ₂ supplement (AAFCO)
7-05-699	Vitamin D₃, Supplement. -	Vitamin D₃, Supplement. - Vitamin D ₃ supplement (AAFCO)
7-05-150	Vitamin E, Supplement. -	Vitamin E (α-Tocopherol), Supplement. - Vitamin E supplement (AAFCO)
1-05-154	Watergrass. HYDROCHLOA CAROLINIENSIS - aerial part, sun-cured	Watergrass. HYDROCHLOA CAROLINIENSIS - hay, sun-cured
5-05-157	Whale. BALAENA GLACIALIS-BALAENOPTERA SPP -PHYSETER CATODON - livers, dehydrated	Whale. BALAENA GLACIALIS-BALAENOPTERA SPP -PHYSETER CATODON - livers, dehydrated
5-05-160	- meat, dry rendered ground	- meat, meal rendered
5-07-986	- meat, fresh	- meat, fresh
3-05-184	Wheat. TRITICUM AESTIVUM - aerial part, ensiled, early vegetative	Wheat. TRITICUM AESTIVUM - silage, early vegetative
3-05-185	- aerial part, ensiled, full bloom	- silage, full bloom
2-08-078	- aerial part, fresh	- fresh
2-05-176	- aerial part, fresh, early vegetative	- fresh, early vegetative
1-05-172	- aerial part, sun-cured	- hay, sun-cured
4-05-190	- bran, dry milled	- bran Wheat bran (AAFCO)
4-07-944	- bread, dehydrated	- bread, dehydrated
1-05-192	- chaff	- chaff
4-30-185	- chaff and/or dust	- grain dust (aspirated grain fines)
5-05-193	- distillers grains, dehydrated	- distillers grains, dehydrated Wheat distillers dried grains (AAFCO)
5-05-194	- distillers grains with solubles, dehydrated	- distillers grains with solubles, dehydrated Wheat distillers dried grains with solubles (AAFCO)
5-12-213	- distillers solubles, condensed	- distillers solubles, condensed Wheat condensed distillers solubles (AAFCO)
5-05-195	- distillers solubles, dehydrated	- distillers solubles, dehydrated Wheat distillers dried solubles (AAFCO)
4-05-197	- endosperm	- endosperm
4-05-199	- flour, less than 1.5% fiber	- flour, less than 1.5% fiber (wheat feed flour) Wheat feed flour, less than 1.5% fiber (AAFCO)
4-28-221	- flour, less than 2% fiber	- flour, less than 2% fiber (feed flour)
4-28-220	- flour by-product, less than 4.5% fiber	- flour by-product, less than 4.5% fiber
4-05-203	- flour by-product, less than 4% fiber	- flour by-product, less than 4% fiber (wheat red dog) Wheat red dog, less than 4% fiber (AAFCO)
4-05-201	- flour by-product, less than 7% fiber	- flour by-product, less than 7% fiber (wheat shorts) Wheat shorts, less than 7% fiber (AAFCO)
4-28-219	- flour by-product, less than 8% fiber	- flour by-product, less than 8% fiber (shorts)
4-05-205	- flour by-product, less than 9.5% fiber	- flour by-product, less than 9.5% fiber (wheat middlings) Wheat middlings (AAFCO)
4-08-557	- flour by-product palm oil added, less than 9.5% fiber	- flour by-product palm oil added, less than 9.5% fiber Palmo (wheat-palm), middlings (flour by-product palm oil added)*
7-05-207	- germ oil	- germ oil Wheat germ oil (AAFCO)
5-05-218	- germs, ground	Fats and oils, germ oil (wheat)* - germs, ground Wheat germ meal (AAFCO)

TABLE 6.2 (Cont.)

Wheat (Cont.)		Wheat (Cont.)	
5-05-217	- germs oil residue, mechanical extracted ground	- germs, meal mechanical extracted	Defatted wheat germ meal (AAFCO)
5-05-221	- gluten	- gluten	
4-05-211	- grain	- grain	
4-05-216	- grain screenings	- screenings	Wheat grain screenings (AAFCO)
4-07-852	- grits, cracked screened	- grits, cracked screened	Farina*
		Wheat, endosperm*	
5-29-796	- malt sprouts, dehydrated	- malt sprouts, dehydrated	Wheat malt sprouts dehydrated (AAFCO)
4-05-206	- mill run, less than 9.5% fiber	- mill run, less than 9.5% fiber	Wheat mill run (AAFCO)
1-05-175	- straw	- straw	
Wheat, Durum. TRITICUM DURUM		Wheat, Durum. TRITICUM DURUM	
4-05-224	- grain	- grain	Wheat, grain, durum*
Wheat, Hard Red Spring. TRITICUM AESTIVUM		Wheat, Hard Red Spring. TRITICUM AESTIVUM	
4-08-113	- flour, less than 1.5% fiber	- flour, less than 1.5% fiber	
4-05-258	- grain	- grain	Wheat, grain, hard red spring*
Wheat, Hard Red Winter. TRITICUM AESTIVUM		Wheat, Hard Red Winter. TRITICUM AESTIVUM	
4-05-268	- grain	- grain	Wheat, grain, hard red winter*
Wheat, Soft Red Winter. TRITICUM AESTIVUM		Wheat, Soft Red Winter. TRITICUM AESTIVUM	
4-05-294	- grain	- grain	Wheat, grain soft red winter*
Wheat, Soft White Winter. TRITICUM AESTIVUM		Wheat, Soft White Winter. TRITICUM AESTIVUM	
4-05-337	- grain	- grain	Wheat, grain, soft white winter*
4-08-555	- grain, pacific coast	- grain, pacific coast	
Wheat, White Club. TRITICUM COMPACTUM		Wheat, White Club. TRITICUM COMPACTUM	
4-05-318	- grain	- grain	
Wheatgrass, Bluebunch. AGROPYRON SPICATUM		Wheatgrass, Bluebunch. AGROPYRON SPICATUM	
2-05-387	- aerial part, fresh, late vegetative	- fresh, late vegetative	
Wheatgrass, Crested. AGROPYRON DESERTORUM		Wheatgrass, Crested. AGROPYRON DESERTORUM	
2-05-429	- aerial part, fresh	- fresh	
2-05-420	- aerial part, fresh, early vegetative	- fresh, early vegetative	Crested wheatgrass, fresh, early vegetative*
2-05-422	- aerial part, fresh, early bloom	- fresh, early bloom	Crested wheatgrass, fresh, early bloom*
2-05-424	- aerial part, fresh, full bloom	- fresh, full bloom	Crested wheatgrass, fresh, full bloom*
2-05-428	- aerial part, fresh, post ripe	- fresh, post ripe	Crested wheatgrass, fresh, post ripe*
1-05-418	- aerial part, sun-cured	- hay, sun-cured	Crested wheatgrass, hay, sun-cured*
Wheatgrass, Intermediate. AGROPYRON INTERMEDIUM		Wheatgrass, Intermediate. AGROPYRON INTERMEDIUM	
1-05-431	- aerial part, sun-cured	- hay, sun-cured	
Wheatgrass, Slender. AGROPYRON TRACHYCAULUM		Wheatgrass, Slender. AGROPYRON TRACHYCAULUM	
2-05-439	- aerial part, fresh	- fresh	
1-05-436	- aerial part, sun-cured	- hay, sun-cured	
Wheatgrass, Tall. AGROPYRON ELONGATUM		Wheatgrass, Tall. AGROPYRON ELONGATUM	
1-08-170	- aerial part, sun-cured	- hay, sun-cured	
Wheatgrass, Western. AGROPYRON SMITHII		Wheatgrass, Western. AGROPYRON SMITHII	
2-05-410	- aerial part, fresh	- fresh	
Whey - see Cattle		Whey - see Cattle	

TABLE 6.2 (Cont.)

	Whey (cattle).		Whey (cattle).
4-01-180	- condensed+		- condensed+
4-01-181	- cultured condensed+		Condensed whey (AAFCO)
4-01-182	- dehydrated+		- cultured condensed+
5-28-223	- fermented ammoniated condensed+		Condensed cultured whey (AAFCO)
4-08-134	- fresh+		- dehydrated+
4-01-183	- hydrolyzed condensed+		Dried whey (AAFCO)
4-01-184	- hydrolyzed dehydrated+		- fermented ammoniated condensed+
			Fermented ammoniated condensed whey (AAFCO)
			- fresh+
			Whey (AAFCO)
			- hydrolyzed condensed+
			Condensed hydrolyzed whey (AAFCO)
			- hydrolyzed dehydrated+
			Dried hydrolyzed whey (AAFCO)
	Whey Albumin (cattle).		Whey Albumin (cattle).
5-01-177	- heat and acid precipitated dehydrated+		- heat and acid precipitated dehydrated+
			Dried milk albumin (AAFCO)
	Whey Low Lactose (cattle).		Whey Low Lactose (cattle).
4-01-185	- condensed+		- condensed+
4-01-186	- dehydrated+		Condensed whey-product (AAFCO)
			- dehydrated+
			Dried whey-product (AAFCO)
	Whey Without Albumin Low Lactose (cattle).		Whey Solubles (cattle).
4-01-188	- condensed+		- condensed (condensed modified whey solubles)+
4-01-189	- dehydrated+		Condensed whey solubles (AAFCO)
			- dehydrated+
			Dried whey solubles (AAFCO)
	White Clover - see Clover, White		White Clover - see Clover, White
	Wildrye, Russian. ELYMUS JUNCEUS		Wildrye, Russian. ELYMUS JUNCEUS
2-05-469	- aerial part, fresh		- fresh
1-08-171	- aerial part, sun-cured		- hay, sun-cured
			Russian wildrye, hay, sun-cured*
	Willow. SALIX SPP		Willow. SALIX SPP
2-05-472	- browse, fresh		- browse, fresh
	Winterfat, Common. EUROTIA LANATA		Winterfat, Common. EUROTIA LANATA
2-26-142	- aerial part, fresh, stem cured		- fresh, stem cured
1-08-559	- aerial part, sun-cured		- hay, sun-cured
	Witch Grass - see Quackgrass		Witch Grass - see Quackgrass
	Wood.		Wood.
4-05-502	- molasses		- molasses
1-07-714	- sawdust		Molasses and syrup, wood, molasses*
			- sawdust
			Sawdust, wood*
	Yarrow, Common. ACHILLEA MILLEFOLIUM		Yarrow, Common. ACHILLEA MILLEFOLIUM
2-05-511	- aerial part, fresh		- fresh
	Yeast, Active. SACCHAROMYCES CEREVISIAE		Yeast, Active. SACCHAROMYCES CEREVISIAE
7-05-524	- dehydrated		- dehydrated
			Active dry yeast (AAFCO)
	Yeast, Brewers. SACCHAROMYCES CEREVISIAE		Yeast, Brewers. SACCHAROMYCES CEREVISIAE
7-05-527	- dehydrated		- dehydrated
7-20-878	- liquid		Brewers dried yeast (AAFCO)
			- liquid
			Brewers liquid yeast (AAFCO)
	Yeast, Culture. SACCHAROMYCES CEREVISIAE		Yeast, Culture. SACCHAROMYCES CEREVISIAE
7-05-520	- dehydrated		- dehydrated
			Yeast culture (AAFCO)
	Yeast, Grain Distillers. SACCHAROMYCES CEREVISIAE		Yeast, Grain Distillers. SACCHAROMYCES CEREVISIAE
7-05-519	- dehydrated		- dehydrated
			Grain distillers dried yeast (AAFCO)

TABLE 6.2 (Cont.)

7-05-529	Yeast, Irradiated. SACCHAROMYCES CEREVISIAE - dehydrated	Yeast, Irradiated. SACCHAROMYCES CEREVISIAE - dehydrated Irradiated dried yeast (AAFCO)
7-05-532	Yeast, Molasses Distillers. SACCHAROMYCES CEREVISIAE - dehydrated	Yeast, Molasses Distillers. SACCHAROMYCES CEREVISIAE - dehydrated Molasses distillers dried yeast (AAFCO)
7-05-533	Yeast, Primary. SACCHAROMYCES CEREVISIAE - dehydrated	Yeast, Primary. SACCHAROMYCES CEREVISIAE - dehydrated Dried yeast (AAFCO) Primary dried yeast (AAFCO)
7-05-534	Yeast, Torula. TORULOPSIS UTILIS - dehydrated	Yeast, Torula. TORULOPSIS UTILIS - dehydrated Torula dried yeast (AAFCO)
8-05-697	Yellow Prussiate Of Soda. -	Yellow Prussiate Of Soda. - Yellow prussiate of soda (AAFCO)
	Yellow Trefoil - see Medic, Black	Yellow Trefoil - see Medic, Black
	Yellowbrush - see Rabbitbrush, Small	Yellowbrush - see Rabbitbrush, Small
6-05-547	Zinc, Acetate. - dihydrate, $Zn(C_2H_3O_2)_2 \cdot 2H_2O$	Zinc, Acetate. - dihydrate, $Zn(C_2H_3O_2)_2 \cdot 2H_2O$ Zinc acetate (AAFCO)
6-05-549	Zinc, Carbonate. - $ZnCO_3$	Zinc, Carbonate. - $ZnCO_3$ Zinc carbonate (AAFCO)
6-05-551	Zinc, Chloride. - $ZnCl_2$	Zinc, Chloride. - $ZnCl_2$ Zinc chloride (AAFCO)
6-05-553	Zinc, Oxide. - ZnO	Zinc, Oxide. - ZnO Zinc oxide (AAFCO)
6-09-897	Zinc, Proteinate. -	Zinc, Proteinate. - Zinc proteinate (AAFCO)
6-05-555	Zinc, Sulfate. - monohydrate, $ZnSO_4 \cdot H_2O$	Zinc, Sulfate. - monohydrate, $ZnSO_4 \cdot H_2O$ Zinc sulfate (AAFCO)
8-09-899	Zinc Polysaccharide Complex. -	Zinc Polysaccharide Complex. - Zinc polysaccharide complex (AAFCO)
8-05-557	Zoalene. -	Zoalene. - Zoalene (AAFCO)
8-05-558	2-Acetyl-Amino-5-Nitrothiazole. -	2-Acetyl-Amino-5-Nitrothiazole. - 2-acetylamino-5-nitrothiazole (AAFCO)
8-05-561	4-Nitrophenyl-Arsonic, Acid. -	4-Nitrophenyl-Arsonic, Acid. - 4-nitrophenyl-arsonic acid (AAFCO)

^aFirst digit is class of feed: 1, dry forages and roughages; 2, pasture, range plants, and forages fed green; 3, silages; 4, energy feeds; 5, protein supplements; 6, minerals; 7, vitamins; 8, additives; the other five digits are the International Feed Number

Feeds with an asterisk () after them are Country Names.

⁺Feeds with a plus (+) after them would generally be used as cross references or they may be put in the feed table with data along with the International Feed Name (see Section 5).

TABLE 6.3 Examples of International Feed Descriptions Listed Alphabetically by Facet 2 Part

International Feed Number	Part	The Full International Feed Description
5-21-102	ACID WHEY	CATTLE, - ACID WHEY, ACID PRECIPITATED DEHYDRATED ON ROLLERS
5-21-135	ACID WHEY	CATTLE, - ACID WHEY, ACID PRECIPITATED SPRAY DEHYDRATED
1-07-738	AERIAL PART	ALFALFA, - AERIAL PART, DEHYDRATED PELLEDED, EARLY VEGETATIVE, CUT 2
2-21-114	AERIAL PART	ALFALFA, - AERIAL PART, FRESH WILTED, LATE VEGETATIVE, CUT 2
2-14-760	AERIAL PART	BLUEGRASS, CANADA, -AERIAL PART, FRESH, LATE VEGETATIVE, CUT 1
1-01-406	AERIAL PART	CLOVER, RED, -AERIAL PART, SUN-CURED, CUT 1
1-26-160	BAGASSE	SUGARCANE, - BAGASSE, AMMONIATED DEHYDRATED OR SUN-CURED
1-24-789	BARK	PINE, SCOTCH, - BARK
1-24-796	BARK	SPRUCE, RED, - BARK, DEHYDRATED
5-26-005	BLOOD	ANIMAL, - BLOOD, CONVENTIONAL COOKER DEHYDRATED GROUND
5-24-869	BLOOD	ANIMAL, - BLOOD, ENSILED
4-09-284	BLUBBER OIL	WHALE, - BLUBBER OIL
1-01-596	BOLLS	COTTON, - BOLLS, SUN-CURED
6-00-404	BONE CHARCOAL	ANIMAL, - BONE CHARCOAL, SPENT
4-24-917	BONE MARROW	CATTLE, - BONE MARROW, FRESH
6-13-775	BONE OIL RESIDUE	CATTLE, - BONE OIL RESIDUE, BOILED SOLVENT EXTRACTED GROUND
6-00-399	BONE	ANIMAL, - BONE, STEAMED DEHYDRATED GROUND, MORE THAN 12% PHOSPHORUS
5-00-384	BRAINS	ANIMAL, - BRAINS, FRESH
4-25-321	BRAN	BUCKWHEAT, COMMON, - BRAN
4-29-331	BRAN WITH GERMS	RICE, - BRAN WITH GERMS, BOILED DEHYDRATED
4-24-814	BREAD	RYE, WINTER - WHEAT, WINTER, - BREAD
5-12-024	BREWERS GRAINS	BARLEY, - BREWERS GRAINS, DEHYDRATED GROUND
4-14-640	BREWERS GRAINS	MAIZE - RICE, - BREWERS GRAINS, DEHYDRATED
2-13-268	BROWSE	CAPERBUSH, DOG, - BROWSE, FRESH, DOUGH STAGE
1-22-398	BROWSE	RUSSIANHISTLE, TUBERSULATA, - BROWSE, SUN-CURED
5-10-142	CARCASS RESIDUE	ANIMAL, - CARCASS RESIDUE, DRY RENDERED GROUND, 40% PROTEIN
2-23-870	COBS	MAIZE, - COBS, FRESH, DOUGH STAGE
5-28-235	DISTILLERS GRAINS	MAIZE, DENT YELLOW, - DISTILLERS GRAINS, DEHYDRATED
4-25-432	DISTILLERS RESIDUE	CASSAVA, COMMON, - DISTILLERS RESIDUE, CONDENSED
3-28-239	EARS WITH HUSKS	MAIZE, DENT YELLOW, - EARS WITH HUSKS, ENSILED
4-08-017	FLOUR BY-PRODUCT	WHEAT, SOFT RED WINTER, - FLOUR BY-PRODUCT, LESS THAN 7% FIBER
2-14-710	FLOWERS	RYEGRASS, PERENNIAL, - FLOWERS, FRESH, EARLY BLOOM, CUT 1
4-13-452	FRUIT WITHOUT PITS	PEACH, - FRUIT WITHOUT PITS, DEHYDRATED OR SUN-CURED
1-08-075	HULLS	RICE, -HULLS
4-25-443	JUICE	LIME, -JUICE
2-26-804	LEAVES	ACACIA, BREVISPICA, -LEAVES, FRESH
5-07-940	LIPS	CATTLE, -LIPS, FRESH
5-09-391	MILK	RABBIT, -MILK, FRESH
4-11-752	PEELINGS	ORANGE, -PEELINGS, DEHYDRATED
1-23-068	PODS	BEAN, MUNG, -PODS, SUN-CURED
5-05-042	POMACE	TOMATO, -POMACE, WET
4-25-002	ROOTS	TURNIP, ROOTS, STEAMED
1-03-602	SEED COATS	PEA, -SEED COATS

TABLE 6.4 Examples of International Feed Descriptions Listed Alphabetically by Facet 3 Process

International Feed Number (IFN)	Process	The Full International Feed Description
5-04-702	AMMONIATED	SUGARCANE,-MOLASSES, AMMONIATED
4-22-302	BOILED	BANANA, PLANTAIN,-FRUIT WITHOUT PEELINGS, BOILED
5-24-652	BOILED	BEAN, LOCUST, AFRICAN,-SEEDS WITHOUT COATS, BOILED
4-29-331	BOILED DEHYDRATED	RICE,-BRAN WITH GERMS, BOILED DEHYDRATED
4-25-405	CONDENSED	RYE,-DISTILLERS STILLAGE, CONDENSED
4-25-378	CONDENSED	SORGHUM, MILO,-EXTRACTIVES, CONDENSED
4-25-399	CONDENSED	SUGARCANE,-MOLASSES FERMENTATION SOLUBLES, CONDENSED
4-08-395	CRACKED	MAIZE,-GROATS, CRACKED
4-13-245	CRACKED	WHEAT,-GRAIN, CRACKED
4-03-010	CRACKED SCREENED	MAIZE, DENT YELLOW,-GRITS, CRACKED SCREENED
1-26-649	CUBED	BARLEY, WINTER,-STRAW MOLASSES ADDED, CUBED, 90:10
4-01-181	CULTURED CONDENSED	CATTLE,-WHEY, CULTURED CONDENSED
1-00-041	DEHYDRATED	ALFALFA,-AERIAL PART, DEHYDRATED, EARLY VEGETATIVE
1-07-727	DEHYDRATED	ALFALFA,-AERIAL PART, DEHYDRATED, FULL BLOOM, CUT 2
5-28-924	DEHYDRATED	CLOVER, EGYPTIAN,-PROTEIN CONCENTRATE, DEHYDRATED, CUT 1
1-22-722	DEHYDRATED GROUND	ALFALFA,-AERIAL PART, DEHYDRATED GROUND, LESS THAN 10% PROTEIN
1-23-433	DEHYDRATED GROUND	VETCH, COMMON-GRASS,-AERIAL PART, DEHYDRATED GROUND
1-26-818	DEHYDRATED WAFERED	MEADOW PLANTS,-AERIAL PART, DEHYDRATED WAFERED
4-05-190	DRY MILLED	WHEAT,-BRAN, DRY MILLED
3-08-849	ENSILED	ALFALFA,-AERIAL PART, ENSILED, LATE VEGETATIVE, CUT 1
3-00-663	ENSILED	BET, SUGAR,-AERIAL PART WITH PULP, ENSILED
3-26-647	ENSILED AMMONIATED	OATS,-STRAW, ENSILED AMMONIATED
3-11-469	ENSILED DEHYDRATED	COFFEE, ARABIAN,-FRUIT WITHOUT SEEDS, ENSILED DEHYDRATED
5-14-005	EXTRUDED GROUND	SOYBEAN,-SEEDS, EXTRUDED GROUND
1-19-736	FAN AIR DRIED	ALFALFA,-AERIAL PART, FAN AIR DRIED, LATE VEGETATIVE, CUT 1
1-00-741	FAN AIR DRIED	BLUEGRASS,-AERIAL PART, FAN AIR DRIED, MATURE
4-29-628	FRESH	CASSAVA, COMMON,-TUBERS, FRESH, 113 TO 126 DAYS' GROWTH
2-13-050	FRESH	OATS,-AERIAL PART, FRESH, REGROWTH EARLY VEGETATIVE, CUT 2
2-14-400	FRESH WILTED	WITCHGRASS,-AERIAL PART, WILTED, MATURE
5-26-449	GROUND	BEAN, KIDNEY,-SEEDS, GROUND
1-07-859	PELLETED	OAK, LIVE,-BROWSE, PELLETED, EARLY VEGETATIVE
4-29-019	PRESSED ENSILED	BET, SUGAR,-PULP, PRESSED ENSILED, 17% TO 23% DRY MATTER
4-25-007	STEAMED	PUMPKIN,-FRUIT, STEAMED
4-25-013	STEAMED	RASPBERRY, RED,-FRUIT, STEAMED
1-10-773	SUN-CURED	ALFALFA,-AERIAL PART, SUN-CURED, 15 TO 28 DAYS' GROWTH
1-20-827	SUN-CURED	BARLEY,-AERIAL PART, SUN-CURED, EARLY BLOOM
1-20-826	SUN-CURED	BARLEY,-AERIAL PART, SUN-CURED, MIDD BLOOM
4-25-331	TOASTED	CHICKPEA,-SEEDS WITHOUT COATS, TOASTED
5-05-042	WET	TOMATO,-POMACE, WET
5-05-196	WET	WHEAT,-DISTILLERS STILLAGE, WET
3-28-540	WILTED ENSILED	RYEGRASS, ITALIAN,-AERIAL PART, WILTED ENSILED, MILK STAGE, CUT 3
3-04-930	WILTED ENSILED	TIMOTHY,-AERIAL PART, WILTED ENSILED

TABLE 6.5 Examples of International Feed Descriptions Listed Alphabetically by Facet 6 Grade

International Feed Number (IFN)	Grade	The Full International Feed Description
6-01-068	CHEMICALLY PURE	CALCIUM, PHOSPHATE, -TRIBASIC, $Ca_3(PO_4)_2$, CHEMICALLY PURE
6-03-051	CHEMICALLY PURE	MANGANOUS, SULFATE, -TETRAHYDRATE, $MnSO_4 \cdot 4H_2O$, CHEMICALLY PURE
4-26-373	COARSE	MAIZE, -GRAIN WITHOUT STARCH, COARSE
3-08-600	FEW EARS	MAIZE, -AERIAL PART, ENSILED, FEW EARS
4-26-372	FINE	MAIZE, -GRAIN WITHOUT STARCH, FINE
4-26-126	FLOOD DAMAGED	MAIZE, DENT YELLOW, -GRAIN, FLOOD DAMAGED
4-26-857	GRADE INFERIOR	CASHEW, COMMON, -HEATS, GRADE INFERIOR
2-29-338	GRADE 1	PRAWN, -WHOLE, SUN-CURED, GRADE 1
4-02-155	GRADE 2	CEREALS, -GRAIN SCREENINGS, GRADE 2
5-30-202	HEAT DAMAGED	CLOVER-RYEGRASS, -AERIAL PART, ENSILED, HEAT DAMAGED
4-20-770	HIGH MOISTURE	MAIZE, DENT YELLOW, -GRAIN, HIGH MOISTURE
4-20-928	HIGH MOISTURE	WHEAT, -GRAIN, HIGH MOISTURE
1-01-599	LESS THAN 1.5% FIBER	COTTON, -HULLS, LESS THAN 1.5% FIBER
4-08-112	LESS THAN 1.5% FIBER	WHEAT, SOFT WHITE WINTER, -FLOUR, LESS THAN 1.5% FIBER
1-23-251	LESS THAN 10% PROTEIN	MEADOW PLANTS, -AERIAL PART, DEHYDRATED GROUND, CUT 1, LESS THAN 10% PROTEIN
4-22-487	LESS THAN 12.5% FIBER	WHEAT, -BRAN, LESS THAN 12.5% FIBER
4-26-665	LESS THAN 18% SUGAR	BEET, SUGAR, -PULP, DEHYDRATED, LESS THAN 18% SUGAR
4-04-032	LESS THAN 4.5% FIBER	RYE, -FLOUR BY-PRODUCT, LESS THAN 4.5% FIBER
4-08-019	LESS THAN 4% FIBER	WHEAT, HARD RED SPRING, -FLOUR BY-PRODUCT, LESS THAN 4% FIBER
5-24-905	LESS THAN 40% PROTEIN	ANIMAL, CARCASS RESIDUE WITH BONE, DEHYDRATED GROUND, LESS THAN 40% PROTEIN
3-03-592	MOLDY	PEA, -AERIAL PART, ENSILED, MOLDY
4-20-894	MORE THAN 10% PROTEIN	SORGHUM, -GRAIN, MORE THAN 10% PROTEIN
5-25-559	MORE THAN 12% FAT	MAIZE, -GERMS OIL RESIDUE, MECHANICAL EXTRACTED GROUND, MORE THAN 12% FAT
4-26-382	MORE THAN 12% FIBER	RICE, -POLISHINGS, MORE THAN 12% FIBER
6-03-947	SOFT	ROCK, PHOSPHATE, -SOFT
6-00-372	TECHNICAL	AMMONIUM, PHOSPHATE, -DIBASIC, $(NH_4)_2HPO_4$, TECHNICAL
5-00-383	TECHNICAL	ANIMAL, BONE PROTEIN COLLOIDS, TECHNICAL
5-20-679	VITAMIN FREE	CASEIN, DEHYDRATED, VITAMIN FREE
1-08-390	WEATHER DAMAGED	MAIZE, -AERIAL PART, SUN-CURED, WEATHER DAMAGED
1-22-735	11.1-13% PROTEIN	CLOVER, RED, -AERIAL PART, DEHYDRATED GROUND, 11.1-13% PROTEIN
1-00-090	13% PROTEIN	ALFALFA, -AERIAL PART, SUN-CURED, 13% PROTEIN
5-07-872	41% PROTEIN	COTTON, -SEEDS OIL RESIDUE, PREPRESSED SOLVENT EXTRACTED GROUND, 41% PROTEIN
5-20-637	44% PROTEIN	SOYBEAN, -SEEDS OIL RESIDUE, SOLVENT EXTRACTED GROUND, 44% PROTEIN
2-26-695	5:5	BLUESTEM, DIAZ-DESMOSTACHYA, BIPINNATA, -AERIAL PART, FRESH, CUT 2, 5:5
4-26-378	6-12% FIBER	RICE, -BRAN, 6-12% FIBER
5-09-318	60% PROTEIN	MAIZE, -GLUTEN, WET MILLED DEHYDRATED GROUND, 60% PROTEIN

TABLE 7.1 Atlas Format for Tables of Feed Composition

Feed Name or Nutrient		As Fed	Dry	No. Anal- yses	Coeff. of Var. ^a
Wheat, hard red winter, grain IFN 4-05-268					
Dry matter	%	88.	100.	19	1
Ash	%	1.7	1.9	13	12
Crude fiber	%	2.5	2.8	12	8
Sheep	dig. coef %	33.	33.	3	
Ether extract	%	1.6	1.8	15	16
Sheep	dig. coef %	72.	72.	2	
Nitrogen free extract	%	69.7	79.2	5	1
Sheep	dig. coef %	92.	92.	2	
Protein	%	12.6	14.3	15	6
TDN Ruminant	%	78.	89.	2	
TDN Cattle	%	78.	89.	1	
TDN Sheep	%	78.	89.	1	
DE Ruminant	Mcal/kg	3.43 ^b	3.92 ^b		
DE Sheep	Mcal/kg	3.46	3.93		
ME Ruminant	Mcal/kg	3.09 ^b	3.51 ^b		
ME Cattle	Mcal/kg	3.09	3.51		
ME Sheep	Mcal/kg	3.10	3.52		
NE _m Ruminant	Mcal/kg	2.12 ^c	2.41 ^c		
NE _m Cattle	Mcal/kg	2.12 ^c	2.41 ^c		
NE _g Ruminant	Mcal/kg	1.46 ^c	1.66 ^c		
NE _g Cattle	Mcal/kg	1.46 ^c	1.66 ^c		
ME _n Chicken	kcal/kg	3210.	3648.	3	
ME _p Chicken	kcal/kg	1934.	2198.		
TDN Swine	%	76.	86.		
DE Swine	kcal/kg	3318. ^c	3771. ^c		
ME Swine	kcal/kg	3090. ^c	3511. ^c		
DP Ruminants	%	8.5 ^c	9.7 ^c		
DP Cattle	%	8.0 ^c	9.1 ^c		
DP Sheep	%	9.1 ^c	10.3 ^c		
DP Horse	%	9.1 ^c	10.3 ^c		
Calcium	%	.04	.05	14	11
Chlorine	%	.05	.06	2	

TABLE 7.1 (Cont.)

Feed Name or Nutrient		As Fed	Dry	No. Anal- yses	Coeff. of Var. ^a
Magnesium	%	.11	.13	10	20
Phosphorus	%	.38	.43	14	8
Potassium	%	.43	.49	12	10
Sodium	%	.02	.02	9	91
Sulfur	%	.13	.15	2	
Cobalt	mg/kg	.14	.16	8	40
Copper	mg/kg	4.8	5.4	8	20
Iron	mg/kg	31.2	35.4	10	17
Manganese	mg/kg	29.0	32.9	9	20
Selenium	mg/kg	.399	.453	8	88
Zinc	mg/kg	37.7	42.8	8	28
Biotin	mg/kg	.11	.12	1	
Carotene	mg/kg	.1	.1	3	
Choline	mg/kg	1040.	1179.	9	18
Folic acid	mg/kg	.39	.44	4	9
Niacin	mg/kg	53.6	60.9	161	18
Pantothenic acid	mg/kg	9.8	11.1	159	31
Riboflavin	mg/kg	1.4	1.6	160	18
Thiamine	mg/kg	4.2	4.8	159	10
Vitamin B ₆	mg/kg	3.0	3.4	154	23
Vitamin E	mg/kg	11.0	12.5	4	25
Arginine	%	.64	.73	9	4
Cystine	%	.32	.36	9	9
Glycine	%	.57	.65	8	4
Histidine	%	.30	.34	9	8
Isoleucine	%	.51	.58	8	9
Leucine	%	.89	1.00	8	6
Lysine	%	.36	.41	9	4
Methionine	%	.21	.24	9	11
Phenylalanine	%	.63	.71	8	6
Serine	%	.59	.67	7	7
Threonine	%	.37	.42	8	11
Tryptophan	%	.17	.19	3	
Tyrosine	%	.43	.49	9	6
Valine	%	.59	.67	8	12

^a Coefficient of variation is calculated if there are four or more analyses.

^b Weighted average of cattle and sheep.

^c Calculated by formula (Harris et al. 1980).

TABLE 7.2 Example Feed Composition Table with International Feed Names Listed Alphabetically, Followed by Scientific Names of the Original Material. Data Expressed (1) As Fed (2) Moisture Free

Entry Number	International Feed Name Scientific Name	International Feed Number	Dry Matter (%)	Calcium (%)	Chlorine (%)	Magnesium (%)	Phosphorus (%)	Potassium (%)	Sodium (%)	Sulfur (%)	Cobalt (%)	Copper (%)
01 02	ALFALFA. <i>Medicago sativa</i> -fresh	2-00-196	24. 100.	.48 1.96	.11 .47	.07 .27	.07 .30	.51 2.09	.05 .19	.09 .37	.032 .133	2.4 9.9
03 04	-hay, sun-cured, early bloom	1-00-059	91. 100.	1.28 1.41	.34 .38	.30 .33	.20 .22	2.29 2.52	.13 .14	.25 .28	.146 .161	9.9 10.9
05 06	-hay, sun-cured, midbloom	1-00-063	91. 100.	1.28 1.41	.34 .38	.29 .31	.22 .24	1.55 1.71	.11 .12	.26 .28	.327 .360	11.8 13.0
07 08	ALMOND. <i>Prunus amygdalus</i> -hulls	4-00-359	90. 100.	.21 .23	--- ---	--- ---	.10 .11	.47 .53	--- ---	.10 .11	--- ---	--- ---
09 10	BAHAGRASS. <i>Paspalum notatum</i> -fresh	2-00-464	30. 100.	.14 .46	--- ---	.07 .25	.06 .22	.43 1.45	--- ---	--- ---	--- ---	--- ---
11 12	BAKERY -waste, dehydrated (dried bakery product)	4-00-466	92. 100.	.13 .14	1.48 1.61	.24 .26	.24 .26	.49 .53	1.14 1.24	.02 .02	.968 1.053	4.9 5.3
13 14	BARLEY. <i>Hordeum vulgare</i> -grain	4-00-549	88. 100.	.04 .05	.16 .18	.14 .15	.34 .38	.41 .47	.03 .03	.15 .17	.087 .099	7.9 9.0
15 16	-hay, sun-cured	1-00-495	87. 100.	.20 .23	--- ---	.16 .18	.23 .26	1.03 1.18	.12 .14	.15 .17	.058 .066	21.2 24.3
17 18	-straw	1-00-498	91. 100.	.27 .30	.61 .67	.21 .23	.07 .07	2.16 2.37	.13 .14	.16 .17	.060 .066	4.9 5.4
19 20	BEET, SUGAR. <i>Beta vulgaris altissima</i> -aerial part with crowns, silage	3-00-660	22. 100.	.35 1.56	--- ---	.24 1.07	.06 .29	1.28 5.74	.12 .54	.13 .57	--- ---	--- ---
21 22	-pulp, dehydrated	4-00-669	91. 100.	.63 .69	.04 .04	.24 .27	.09 .10	.18 .20	.19 .21	.20 .22	.073 .081	12.5 13.8
23 24	CARROT. <i>Daucus spp.</i> -roots, fresh	4-01-145	12. 100.	.05 .40	.06 .50	.02 .20	.04 .35	.33 2.80	.12 1.04	.02 .17	--- ---	1.2 10.4
25 26	CATTLE. <i>Bos Taurus</i> -livers, fresh	5-01-166	28. 100.	.01 .04	--- ---	.01 .04	.23 .82	.20 .72	.10 .35	--- ---	--- ---	6.1 21.9
27 28	-lungs, fresh	5-07-941	21. 100.	.01 .06	--- ---	.01 .03	.15 .69	.07 .33	.15 .69	--- ---	.089 .416	1.0 4.6
29 30	COTTON. <i>Gossypium spp.</i> -bolls, sun-cured	1-01-596	92. 100.	.83 .90	--- ---	.26 .28	.11 .12	2.50 2.73	--- ---	--- ---	--- ---	--- ---
31 32	-hulls	1-01-599	91. 100.	.13 .15	.02 .02	.13 .14	.09 .09	.79 .87	.02 .02	.08 .09	.018 .019	12.0 13.3
33 34	FESCUE, ALTA. <i>Festuca arundinacea</i> -hay, sun-cured	1-05-684	91. 100.	.36 .40	--- ---	.28 .31	.20 .22	2.23 2.45	.06 .06	--- ---	--- ---	--- ---
35 36	FISH, ANCHOVETA. <i>Engraulis ring.</i> -meal mechanical extracted	5-01-985	92. 100.	3.75 4.08	1.00 1.08	.25 .27	2.49 2.70	.72 .78	.88 .95	.77 .84	.172 .188	9.1 9.9

TABLE 7.3 Example Feed Composition Table with Scientific Names Listed Alphabetically by Scientific Names Followed by Common Names of the Original Material. Data Expressed (1) As Fed (2) Moisture Free

Entry Number	International Feed Name Scientific Name	International Feed Number	Dry Matter (%)	Calcium (%)	Chlorine (%)	Magnesium (%)	Phosphorus (%)	Potassium (%)	Sodium (%)	Sulfur (%)	Cobalt (%)	Copper (%)
BAKERY												
01	-waste, dehydrated	4-00-466	92.	.13	1.48	.24	.24	.49	1.14	.02	.968	4.9
02	(dried bakery product)		100.	.14	1.61	.26	.26	.53	1.24	.02	1.053	5.3
<i>BETA VULGARIS ALTISSIMA.</i> Beet, sugar												
03	-aerial part with crowns, silage	3-00-660	22.	.35	---	.24	.06	1.28	.12	.13	---	---
04			100.	1.56	---	1.07	.29	5.74	.54	.57	---	---
<i>BETA VULGARIS ALTISSIMA.</i> Beet, sugar												
05	-pulp, dehydrated	4-00-669	91.	.63	.04	.24	.09	.18	.19	.20	.073	12.5
06			100.	.69	.04	.27	.10	.20	.21	.22	.081	13.8
<i>BOS TAURUS.</i> Cattle												
07	-livers, fresh	5-01-166	28.	.01	---	.01	.23	.20	.10	---	---	6.1
08			100.	.04	---	.04	.82	.72	.35	---	---	21.9
09	-lungs, fresh	5-07-941	21.	.01	---	.01	.15	.07	.15	---	.089	1.0
10			100.	.06	---	.03	.69	.33	.69	---	.416	4.6
<i>DAUCUS SPP.</i> Carrot												
11	-roots, fresh	4-01-145	12.	.05	.06	.02	.04	.33	.12	.02	---	1.2
12			100.	.40	.50	.20	.35	2.80	1.04	.17	---	10.4
<i>ENGRADIA RINGEN.</i> Fish, anchoveta												
13	-meal mechanical extracted	5-01-985	92.	3.75	1.00	.25	2.49	.72	.88	.77	.172	9.1
14			100.	4.08	1.08	.27	2.70	.78	.95	.84	.188	9.9
<i>FESTUCA ARUNDINACEA.</i> Fescue, alta												
15	-hay, sun-cured	1-05-684	91.	.36	---	.28	.20	2.23	.06	---	---	---
16			100.	.40	---	.31	.22	2.45	.06	---	---	---
<i>GOSSYPIUM SPP.</i> Cotton												
17	-bolls, sun-cured	1-01-596	92.	.83	---	.26	.11	2.50	---	---	---	---
18			100.	.90	---	.28	.12	2.73	---	---	---	---
19	-hulls	1-01-599	91.	.13	.02	.13	.09	.79	.02	.08	.018	12.0
20			100.	.15	.02	.14	.09	.87	.02	.09	.019	13.3
<i>HILARIA JAMESII.</i> Galleta												
21	-fresh, stem cured	2-05-594	71.	.74	---	.07	.05	.71	.01	.07	---	---
22			100.	1.05	---	.10	.07	1.00	.01	.10	---	---
<i>HORDEUM VULGARE.</i> Barley												
23	-grain	4-00-549	88.	.04	.16	.14	.34	.41	.03	.15	.087	7.9
24			100.	.05	.18	.15	.38	.47	.03	.17	.099	9.0
25	-hay, sun-cured	1-00-495	87.	.20	---	.16	.23	1.03	.12	.15	.058	21.2
26			100.	.23	---	.18	.26	1.18	.14	.17	.066	24.3
27	-straw	1-00-498	91.	.27	.61	.21	.07	2.16	.13	.16	.060	4.9
28			100.	.30	.67	.23	.07	2.37	.14	.17	.066	5.4
<i>MEDICAGO SATIVA.</i> Alfalfa												
29	-fresh	2-00-196	24.	.48	.11	.07	.07	.51	.05	.09	.032	2.4
30			100.	1.96	.47	.27	.30	2.09	.19	.37	.133	9.9
31	-hay, sun-cured, early bloom	1-00-059	91.	1.28	.34	.30	.20	2.29	.13	.25	.146	9.9
32			100.	1.41	.38	.33	.22	2.52	.14	.28	.161	10.9
33	-hay, sun-cured, midbloom	1-00-063	91.	1.28	.34	.29	.22	1.55	.11	.26	.327	11.8
34			100.	1.41	.38	.31	.24	1.71	.12	.28	.360	13.0
<i>PASPALUM NOTATUM.</i> Bahiagrass												
35	-fresh	2-00-464	30.	.14	---	.07	.06	.43	---	---	---	---
36			100.	.46	---	.25	.22	1.45	---	---	---	---

TABLE 7.4 Example Feed Composition Table with International Feed Names Listed Alphabetically by Common Names of the Original Material (without Scientific Names). Data Expressed (1) As Fed (2) Moisture Free

Entry Number	International Feed Name Scientific Name	International Feed Number	Dry Matter (%)	Calcium (%)	Chlorine (%)	Magnesium (%)	Phosphorus (%)	Potassium (%)	Sodium (%)	Sulfur (%)	Cobalt (%)	Copper (%)
01 02	Alfalfa, meal dehydrated, 17% protein	1-00-023	92. 100.	1.40 1.52	.47 .52	.29 .32	.23 .25	2.39 2.60	.10 .11	.22 .24	.302 .329	9.7 10.5
03 04	Barley, grain	4-00-549	88. 100.	.04 .05	.16 .18	.14 .15	.34 .38	.41 .47	.03 .03	.15 .17	.088 .099	7.9 9.0
05 06	Bean, navy, seeds,	5-00-623	89. 100.	.16 .18	.06 .06	.13 .15	.52 .59	1.31 1.47	.04 .06	.23 .26	---	9.9 11.0
07 08	Beet, sugar, pulp, dehydrated	4-00-669	91. 100.	.63 .69	.04 .04	.24 .27	.09 .10	.18 .20	.19 .21	.20 .22	.074 .081	12.5 13.8
09 10	Cassava, common, tubers, dehydrated	4-09-598	88. 100.	.25 .28	---	---	.17 .19	.23 .26	---	---	---	---
11 12	Cattle, buttermilk, dehydrated Dried buttermilk, feed grade	5-01-160	92. 100.	1.33 1.44	.40 .43	.48 .52	.94 1.01	.83 .90	.83 .90	.08 .09	---	1.0 1.1
13 14	Cereals, screenings	4-02-156	90. 100.	.33 .37	---	.12 .14	.35 .39	.30 .34	.40 .45	---	---	---
15 16	Maize, dent yellow, aerial part without ears without husks, sun-cured (Stover) (Straw)	1-28-233	85. 100.	.49 .57	---	.34 .40	.08 .10	1.24 1.45	.06 .07	.15 .17	---	4.3 5.1
17 18	Oats, cereal by-product less than 4% fiber (Feeding oat meal) (Oat middlings)	4-03-303	91. 100.	.07 .08	.05 .06	.14 .16	.44 .49	.50 .55	.09 .10	.22 .24	.045 .049	4.4 4.8
19 20	Poultry, feathers, hydrolyzed	5-03-795	91. 100.	.25 .28	.28 .30	.20 .22	.66 .72	.28 .31	.69 .76	1.47 1.61	.043 .047	6.4 7.0
21 22	Rape, seeds, meal solvent extracted	5-03-871	91. 100.	.61 .67	.10 .11	.55 .60	.95 1.04	1.24 1.36	.09 .10	1.14 1.25	---	---
23 24	Safflower, seeds	4-07-958	94. 100.	.24 .26	---	.34 .36	.63 .67	.74 .79	.06 .06	---	---	10.0 10.7
25 26	Soybean, seeds, heat processed	5-04-597	90. 100.	.25 .28	---	.21 .23	.59 .66	1.70 1.89	.28 .31	.22 .24	---	15.8 17.6
27 28	Soybean, straw	1-04-567	88. 100.	1.40 1.59	---	.81 .92	.05 .06	.49 .56	.11 .12	.23 .26	---	---
29 30	Timothy, hay, sun-cured	1-04-893	90. 100.	.39 .43	.44 .49	.12 .13	.18 .20	1.37 1.52	.06 .07	.16 .17	.071 .079	4.5 5.0
31 32	Tomato, pomace, dehydrated	5-05-041	92. 100.	.39 .43	---	.18 .20	.55 .60	3.33 3.63	---	---	---	29.9 32.6
33 34	Trefoil, hay, sun-cured	1-05-044	92. 100.	1.57 1.70	---	.47 .51	.25 .27	1.77 1.92	.06 .07	.23 .25	.102 .110	8.5 9.3
35 36	Wheat, grain, hard red winter	4-05-268	88. 100.	.04 .05	.05 .06	.11 .13	.38 .43	.43 .49	.02 .02	.13 .15	.141 .160	4.8 5.4
37 38	Wheat, straw	1-05-175	89. 100.	.16 .18	.28 .32	.11 .12	.04 .05	1.26 1.42	.13 .14	.17 .19	.040 .045	3.2 3.6
39 40	Wheatgrass, crested, fresh	2-05-429	39. 100.	.18 .45	---	.11 .28	.07 .19	---	---	---	---	---
41 42	Yeast, torula, dehydrated	7-05-534	93. 100.	.50 .54	.02 .02	.17 .18	1.59 1.71	1.90 2.04	.04 .04	.55 .59	.030 .032	13.4 14.4

APPENDIX

APPENDIX TABLE 5.2 List of Association of American Feed Control Officials Names by Facets of Origin, Kind or Chemical Formula, Part, Process, and Grade

International feed number	AAFCO number	Kind of name	Facet Origin	Kind or Chemical Formula	Part	Process	Grade
3. ALFALFA PRODUCTS							
1-00-104		IFN	Alfalfa,		hay,		
1-00-090		IFN	Alfalfa,		hay,	sun-cured chopped	
1-00-095		IFN	Alfalfa,		hay,	sun-cured,	13% protein
1-00-096		IFN	Alfalfa,		hay,	sun-cured,	15% protein
1-30-293		IFN	Alfalfa,		hay,	sun-cured,	17% protein
1-00-088		IFN	Alfalfa,		hay,	sun-cured,	18% protein
1-30-295		IFN	Alfalfa,		hay,	sun-cured,	20% protein
	3.1	AAFCO	Sun-cured Chopped Alfalfa			sun-cured,	22% protein
	3.1	AAFCO	Chopped Alfalfa Hay				
1-00-111		IFN	Alfalfa,		hay,	sun-cured ground,	
1-00-112		IFN	Alfalfa,		hay,	sun-cured ground,	13% protein
1-00-113		IFN	Alfalfa,		hay,	sun-cured ground,	15% protein
1-00-114		IFN	Alfalfa,		hay,	sun-cured ground,	17% protein
1-30-296		IFN	Alfalfa,		hay,	sun-cured ground,	18% protein
1-00-116		IFN	Alfalfa,		hay,	sun-cured ground,	20% protein
1-00-117		IFN	Alfalfa,		hay,	sun-cured ground,	22% protein
	3.1	AAFCO	Suncured Alfalfa Meal				
	3.1	AAFCO	Ground Alfalfa Hay				
1-00-025		IFN	Alfalfa,		meal dehydrated		
1-00-021		IFN	Alfalfa,		meal dehydrated,	13% protein	
1-00-022		IFN	Alfalfa,		meal dehydrated,	15% protein	
1-00-023		IFN	Alfalfa,		meal dehydrated,	17% protein	
1-30-297		IFN	Alfalfa,		meal dehydrated,	18% protein	
1-00-024		IFN	Alfalfa,		meal dehydrated,	20% protein	
1-07-851		IFN	Alfalfa,		meal dehydrated,	22% protein	
	3.2	AAFCO	Dehydrated Alfalfa Meal				
6. AMINO ACIDS							
5-03-087		IFN	DL-Methionine,	hydroxy analog			
	6.1	AAFCO	DL-Methionine Hydroxy Analog Calcium	calcium			
5-03-086		IFN	DL-Methionine				
	6.2	AAFCO	DL-Methionine				
5-02-127		IFN	Glycine				
	6.3	AAFCO	Glycine				
5-08-022		IFN	L-Lysine				
	6.4	AAFCO	L-Lysine				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chemical Formula			
5-08-092	6.5	IFN AAFCO	L-Threonine L-Threonine				
5-08-093	6.6	IFN AAFCO	DL-Tryptophan DL-Tryptophan				
5-14-501	6.7	IFN AAFCO	DL-Lysine DL-Lysine				
5-30-281	T6.8	IFN AAFCO	DL-Methionine, DL-Methionine Hydroxy Analog	hydroxy analog			
9. ANIMAL PRODUCTS							
5-00-394	9.2	IFN AAFCO	Animal, Meat		meat,	fresh	
5-00-395	9.3	IFN AAFCO	Animal, Meat By-Products		meat by-products,	fresh	
5-00-389	9.7	IFN AAFCO	Animal, Animal Liver		livers,	meal dehydrated	
5-03-798	9.10	IFN AAFCO	Poultry, Poultry By-Product Meal		by-product,	meal rendered	
5-03-796	9.11	IFN AAFCO	Poultry, Poultry Hatchery By-Product		hatchery by-product,	meal	
5-00-393	9.12	IFN AAFCO	Animal, Dried Meat Solubles		meat solubles,	dehydrated	
5-03-800	9.14	IFN AAFCO	Poultry, Poultry By-Products		by-product,	fresh	
5-03-795	9.15	IFN AAFCO	Poultry, Hydrolyzed Poultry Feathers		feathers,	meal hydrolyzed	
5-08-094	9.16	IFN AAFCO	Animal, Fleshings Hydrolysate		skin fleshings,	hydrolyzed rendered	
5-00-385	9.40	IFN AAFCO	Animal, Meat Meal		meat,	meal rendered	
5-00-388	9.41	IFN AAFCO	Animal, Meat and Bone Meal		meat with bone,	meal rendered	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-08-786	9.42	IFN AAFCO	Animal, Animal By-Product Meal		by-product,	meal rendered	
5-00-386	9.50	IFN AAFCO	Animal, Meat Meal Tankage		tankage,	meal rendered	
5-00-387	9.51	IFN AAFCO	Animal, Meat and Bone Meal Tankage		tankage with bone,	meal rendered	
5-08-997	9.54	IFN AAFCO	Animal, Hydrolyzed Hair		hair,	hydrolyzed	
5-08-998	9.55	IFN AAFCO	Animal, Hydrolyzed Leather Meal		leather,	meal hydrolyzed	
5-00-381	9.56	IFN AAFCO	Animal, Spray Dried Animal Blood		blood,	spray dehydrated	
5-20-776	9.57	IFN AAFCO	Poultry, Poultry		flesh,	fresh	
5-26-005	9.61	IFN AAFCO	Animal, Blood Meal, Conventional Cooker Dried		blood,	meal conventional cooker dehydrated	
5-26-006	9.62	IFN AAFCO	Animal, Blood Meal, Flash Dried		blood,	meal flash dehydrated	
5-12-247 5-30-080	T9.65	IFN IFN AAFCO	Animal, Animal, Glandular Meal and Extracted Glandular Meal		gland tissue, gland tissue,	meal meal water extracted	
5-30-081	T9.67	IFN AAFCO	Cattle, Unborn Calf Carcasses		fetus carcass without skin,	fresh	
5-14-508	T9.59	IFN AAFCO	Poultry, Hydrolyzed Poultry By-Products Aggregate		by-product with feathers,	hydrolyzed (Hydrolyzed poultry by-product aggregate)	
6-26-004	T9.60	IFN AAFCO	Poultry, Egg Shell Meal		egg shells,	meal	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-26-007	T9.63	IFN AAFCO	Animal, Blood Protein		blood,	fresh	
12. BARLEY PRODUCTS							
1-00-496	12.1	IFN AAFCO	Barley, Barley Hulls		hulls		
4-00-549	12.2	IFN AAFCO	Barley, Barley		grain		
4-00-548	12.3	IFN AAFCO	Barley, Pearl Barley By-Product		pearl by-product (Barley feed)		
5-00-523	12.4	IFN AAFCO	Barley, Barley Mill By-Product		mill run (Barley mixed feed)		
15. BREWERS PRODUCTS							
5-00-516	15.1	IFN AAFCO	Barley, Brewers Dried Grains		brewers grains,	dehydrated	
5-00-545	15.2	IFN	Barley,	common,	malt sprouts,	dehydrated	
5-04-048		IFN	Rye,		malt sprouts,	dehydrated	
5-29-796		IFN AAFCO	Wheat, Malt Sprouts		malt sprouts,	dehydrated	
5-00-544	15.3	IFN AAFCO	Barley, Malt Cleanings		malt cleanings,	dehydrated	
1-00-497	15.4	IFN AAFCO	Barley, Malt Hulls		malt hulls		
5-02-396	15.5	IFN AAFCO	Hops, Dried Spent Hops		fruit (hops),	spent dehydrated	
5-00-517	15.6	IFN AAFCO	Barley, Brewers Wet Grains		brewers grains,	wet	
5-12-239	15.7	IFN AAFCO	Barley, Brewers Condensed Solubles		brewers solubles,	condensed	
5-12-024	T15.8	IFN AAFCO	Barley, Brewers Grains Meal		brewers grains,	meal	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chemical Formula	Part	Process	Grade
			Origin				
18. CHEMICAL PRESERVATIVES							
7-00-433	18.1	IFN AAFCO	Ascorbic acid Ascorbic Acid				
8-26-245	18.1	IFN AAFCO	Ascorbyl palmitate Ascorbyl Palmitate				
8-26-244	18.1	IFN AAFCO	Benzoic acid Benzoic Acid				
8-01-044	18.1	IFN AAFCO	Butylated hydroxyanisole Butylated Hydroxyanisole (BHA)				
8-01-045	18.1	IFN AAFCO	Butylated hydroxytoluene Butylated Hydroxytoluene (BHT)				
8-26-246	18.1	IFN AAFCO	Calcium ascorbate Calcium Ascorbate				
8-01-085	18.1	IFN AAFCO	Calcium propionate, Calcium Propionate	$\text{Ca}(\text{C}_3\text{HSO}_2)_2 \cdot \text{H}_2\text{O}$			
8-01-086	18.1	IFN AAFCO	Calcium sorbate Calcium Sorbate				
8-01-233	18.1	IFN AAFCO	Citric acid Citric Acid				
8-01-789	18.1	IFN AAFCO	Dilauryl thiodipropionate Dilauryl Thiodipropionate				
8-01-792	18.1	IFN AAFCO	Distearyl thiodipropionate Distearyl Thiodipropionate				
8-09-823	18.1	IFN AAFCO	Erythorbic acid Erythorbic Acid				
8-01-841	18.1	IFN AAFCO	Ethoxyquin Ethoxyquin				
8-20-739	18.1	IFN AAFCO	Formic acid Formic Acid				
8-04-283	18.1	IFN AAFCO	Sodium nitrite Sodium Nitrite				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
8-04-289	18.1	IFN AAFCO	Sodium propionate Sodium Propionate				
8-04-290	18.1	IFN AAFCO	Sodium sorbate Sodium Sorbate				
8-26-307	18.1	IFN AAFCO	Sodium sulfite Sodium Sulfite				
8-04-297	18.1	IFN AAFCO	Sorbic acid Sorbic Acid				
8-26-308	18.1	IFN AAFCO	Stannous chloride Stannous Chloride				
8-26-309	18.1	IFN AAFCO	Sulfur dioxide, Sulfur Dioxide	SO ₂			
8-04-830	18.1	IFN AAFCO	Thiodipropionic acid Thiodipropionic Acid				
7-05-038	18.1	IFN AAFCO	Tocopherols Tocopherols				
21. CITRUS PRODUCTS							
4-01-237		IFN	Citrus,		pomace without fines,	dehydrated (Dried citrus pulp)	
	21.1	AAFCO	Dried Citrus Pulp				
4-01-235		IFN	Citrus,		pomace fines,	dehydrated	
	21.2	AAFCO	Dried Citrus Meal				
5-01-239		IFN	Citrus,		seeds,	meal mechanical extracted	
	21.3	AAFCO	Citrus Seed Meal, Mechanical Extracted				
24. COTTONSEED PRODUCTS							
5-01-625		IFN	Cotton,		seeds,	meal mechanical extracted,	36% protein
5-01-617		IFN	Cotton,		seeds,	meal mechanical extracted,	41% protein
5-01-627		IFN	Cotton,		seeds,	meal mechanical extracted,	43% protein
	24.10	AAFCO	Cottonseed Meal, Mechanical Extracted, 36%, 41% or 43% Protein				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
5-01-632		IFN	Cotton,		seeds,		
5-01-621		IFN	Cotton,		seeds,	meal solvent extracted,	36% protein
5-01-630		IFN	Cotton,		seeds,	meal solvent extracted,	41% protein
	24.12	AAFCO	Cottonseed Meal, Solvent Extracted, 36%, 41% or 43% Protein			meal solvent extracted,	43% protein
5-01-623		IFN	Cotton,		seeds,		
	24.2	AAFCO	Cottonseed Cake, Mechanical Extracted			mechanical extracted caked,	36% protein
5-08-820		IFN	Cotton,		seeds,		
	24.30	AAFCO	Cottonseed Flakes, Mechanical Extracted			mechanical extracted flaked,	36% protein
5-01-629		IFN	Cotton,		seeds,		
	24.31	AAFCO	Cottonseed Flakes, Solvent			solvent extracted flaked,	36% protein
5-01-609		IFN	Cotton,		seeds,		
	24.4	AAFCO	Whole-Pressed Cottonseed, Mechanical Extracted			meal mechanical extracted (Whole pressed cottonseed)	
5-09-002		IFN	Cotton,		seeds low gossypol,		
	24.50	AAFCO	Low Gossypol Cottonseed Meal, Mechanical Extracted			meal mechanical extracted	
5-01-633		IFN	Cotton,		seeds low gossypol,		
	24.51	AAFCO	Low Gossypol Cottonseed Meal, Solvent Extracted			meal solvent extracted	
1-01-599		IFN	Cotton,		hulls		
	24.6	AAFCO	Cottonseed Hulls				
5-12-023		IFN	Cotton,		seed screenings		
	T24.7	AAFCO	Cottonseed Screenings				
1-08-413		IFN	Cotton,		gin by-product		
	T24.8	AAFCO	Cotton Plant By-Product				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
27. DISTILLERS PRODUCTS							
4-04-698	IFN	Sugarcane,					
	27.1	AAFCO	Molasses Distillers Dried Solubles		molasses distillers solubles,	dehydrated	
4-04-697	IFN	Sugarcane,					
	27.2	AAFCO	Molasses Distillers Condensed Solubles		molasses distillers solubles,	condensed	
5-03-773	IFN	Potato,					
	27.3	AAFCO	Potato Distillers Dried Residue		distillers residue,	dehydrated	
5-00-520	IFN	Barley,					
	27.4	AAFCO	Barley Distillers Dried Solubles		distillers solubles,	dehydrated	
5-02-147	IFN	Cereals,					
	27.4	AAFCO	Cereals Distillers Dried Solubles		distillers solubles,	dehydrated	
5-02-844	IFN	Maize,					
	27.4	AAFCO	Corn Distillers Dried Solubles		distillers solubles,	dehydrated	
5-04-026	IFN	Rye,					
	27.4	AAFCO	Rye Distillers Dried Solubles		distillers solubles,	dehydrated	
5-04-376	IFN	Sorghum,					
	27.4	AAFCO	Sorghum Distillers Dried Solubles		distillers solubles,	dehydrated	
5-05-195	IFN	Wheat,					
	27.4	AAFCO	Wheat Distillers Dried Solubles		distillers solubles,	dehydrated	
5-00-518	IFN	Barley,					
	27.5	AAFCO	Barley Distillers Dried Grains		distillers grains,	dehydrated	
5-02-144	IFN	Cereals,					
	27.5	AAFCO	Cereals Distillers Dried Grains		distillers grains,	dehydrated	
5-02-842	IFN	Maize,					
	27.5	AAFCO	Corn Distillers Dried Grains		distillers grains,	dehydrated	
5-04-023	IFN	Rye,					
	27.5	AAFCO	Rye Distillers Dried Grains		distillers grains,	dehydrated	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
5-04-374	27.5	IFN AAFCO	Sorghum, Sorghum Distillers Dried Grains		distillers grains,	dehydrated	
5-05-193	27.5	IFN AAFCO	Wheat, Wheat Distillers Dried Grains		distillers grains,	dehydrated	
5-12-185	27.6	IFN AAFCO	Barley, Barley Distillers Dried Grains with Solubles		distillers grains with solubles,	dehydrated	
5-07-987	27.6	IFN AAFCO	Cereals, Cereals Distillers Dried Grains with Solubles		distillers grains with solubles,	dehydrated	
5-02-843	27.6	IFN AAFCO	Maize, Corn Distillers Dried Grains with Solubles		distillers grains with solubles,	dehydrated	
5-04-024	27.6	IFN AAFCO	Rye, Rye Distillers Dried Grains with Solubles		distillers grains with solubles,	dehydrated	
5-04-375	27.6	IFN AAFCO	Sorghum, Grain Sorghum Distillers Dried Grains with Solubles		distillers grains with solubles,	dehydrated	
5-05-194	27.6	IFN AAFCO	Wheat, Wheat Distillers Dried Grains with Solubles		distillers grains with solubles,	dehydrated	
5-12-210	27.7	IFN AAFCO	Barley, Barley Condensed Distillers Solubles		distillers solubles,	condensed	
5-02-146	27.7	IFN AAFCO	Cereals, Cereals Condensed Distillers Solubles		distiller solubles,	condensed	
5-12-211	27.7	IFN AAFCO	Maize, Corn Condensed Distillers Solubles		distillers solubles,	condensed	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-12-212	27.7	IFN AAFCO	Rye, Rye Condensed Distillers Solubles		distillers solubles,	condensed	
5-12-231	27.7	IFN AAFCO	Sorghum, Grain Sorghum Condensed Distillers Solubles		distillers solubles,	condensed	
5-12-213	27.7	IFN AAFCO	Wheat, Wheat Condensed Distillers Solubles		distillers solubles,	condensed	
33. FATS AND OILS							
4-00-376 4-05-076	33.3	IFN IFN AAFCO	Animal, Vegetable, Hydrolyzed Fat, or Oil Feed Grade		fat, oil,	hydrolyzed hydrolyzed	
4-00-377	33.4	IFN AAFCO	Animal, Ethyl Ester of Animal Fatty Acids, Feed Grade		fatty acids of ethyl ester		
4-00-378	33.4	IFN AAFCO	Animal, Methyl Ester of Animal Fatty Acids, Feed Grade		fatty acids of methyl ester		
4-00-379	33.4	IFN AAFCO	Animal, Non-Glyceride Ester of Fatty Acids, Feed Grade		fatty acids of non-glyceride ester		
4-12-240	33.4	IFN AAFCO	Vegetable, Ethyl Ester of Vegetable Fatty Acids, Feed Grade		fatty acids of ethyl ester		
4-05-075	33.4	IFN AAFCO	Vegetable, Non-Glyceride Ester of Vegetable Fatty Acids, Feed Grade		fatty acids of non-glyceride ester		
4-05-074	33.4	IFN AAFCO	Vegetable, Methyl Ester of Vegetable Fatty Acids, Feed Grade		fatty acids of methyl ester		
4-00-414	33.5	IFN AAFCO	Animal-vegetable, Fat Product, Feed Grade		fat product		

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
4-02-852	33.6	IFN AAFCO	Maize, Corn Endosperm Oil		endosperm oil		
4-05-078	T33.7	IFN AAFCO	Vegetable, Vegetable Oil Refinery Lipid, Feed Grade		oil refinery lipid		
4-25-306	T33.16	IFN AAFCO	Cattle, Cattle, Fat, Feed Grade		fat		
4-04-790	T33.17	IFN AAFCO	Swine, Swine Fat, Feed Grade		fat		
4-09-319	T33.18	IFN AAFCO	Poultry, Poultry Fat, Feed Grade		fat		
4-05-077	T33.19	IFN AAFCO	Vegetable, Vegetable Fat or Oil, Feed Grade		oil		
4-00-409	T33.20	IFN AAFCO	Animal-poultry, Animal Fat, Feed Grade		fat		
4-12-249	T33.21	IFN AAFCO	Animal-vegetable, Animal and Vegetable Fat, Feed Grade		fat		
4-28-210	T33.22	IFN AAFCO	Animal-vegetable, Animal and Vegetable Fat Blend, Feed Grade		fat,	blended	
4-12-250	T33.23	IFN AAFCO	Vegetable, Vegetable Fat Blend, Feed Grade		fat,	blended	
4-30-036	T33.24	IFN AAFCO	Animal-vegetable, Animal and Vegetable Hydrolyzed Fat, Feed Grade		fat,	hydrolyzed	
4-02-893	T33.25	IFN AAFCO	Maize, Corn Syrup Refinery Insolubles, Feed Grade		syrup process residue		
36. FERMENTATION PRODUCTS							
5-01-595	36.1	IFN AAFCO	Glutamic acid, Condensed, Extracted Glutamic Acid Fermentation Product		fermentation residue,	condensed	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
39. FLAX PRODUCTS							
5-30-287	39.10	IFN AAFCO	Flax, Linseed Meal, Mechanical Extracted		seeds,	meal mechanical extracted	
5-30-288	39.11	IFN AAFCO	Flax, Linseed Meal, Solvent Extracted		seeds,	meal solvent extracted	
5-12-228	39.2	IFN AAFCO	Flax, Flaxseed Screenings Meal, Solvent Extracted		seed screenings,	meal solvent extracted	
1-12-230	39.3	IFN AAFCO	Flax, Flax Plant Product		fiber process residue,	dehydrated	
1-12-229	39.4	IFN AAFCO	Flax, Flax Straw By-Product		straw fiber process residue,	ground	
42. GRAIN SORGHUMS (Milo, Hegari, Kaffir, or Feterita)							
4-04-378	42.1	IFN AAFCO	Sorghum, Cracked Grain Sorghum		grain,	cracked	
4-04-379	42.1	IFN AAFCO	Sorghum, Ground Grain Sorghum		grain,	ground	
5-04-389	42.2	IFN AAFCO	Sorghum, Grain Sorghum Gluten Feed		gluten with bran,	meal (Sorghum gluten feed)	
5-04-388	42.3	IFN AAFCO	Sorghum, Grain Sorghum Gluten Meal		gluten,	meal	
5-04-377	42.4	IFN AAFCO	Sorghum, Grain Sorghum Germ Cake		germs,	meal mechanical extracted	
5-12-178	42.4	IFN AAFCO	Sorghum, Grain Sorghum Germ Meal		germs,	mechanical extracted caked	
4-04-380	42.6	IFN AAFCO	Sorghum, Rolled Grain Sorghum		grain,	rolled	
4-04-384	42.7	IFN AAFCO	Sorghum, Grain Sorghum Grits		grits	cracked screened	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet				
			Origin	Kind or Chem- ical Formula	Part	Process	Grade
4-08-035	42.8	IFN AAFCO	Sorghum, Gelatinized Sorghum Grain Flour		flour,	gelatinized	
4-08-036	42.9	IFN AAFCO	Sorghum, Partially Aspirated Gelatinized Sorghum Grain Flour		flour,	partially aspirated gelatinized	
4-04-385	42.10	IFN AAFCO	Sorghum, Grain Sorghum Mill Feed		grits by-product		
45. LESPEDEZA PRODUCTS							
1-02-523	45.1	IFN AAFCO	Lespedeza, Lespedeza Meal		hay,	sun-cured ground	
1-02-529	45.2	IFN AAFCO	Lespedeza, Lespedeza Stem Meal		stems,	sun-cured ground	
48. MAIZE							
1-02-779	48.1	IFN AAFCO	Maize, Corn Cob Fractions		cob fractions,	screened	
4-02-841	48.2	IFN AAFCO	Maize, Corn Bran		bran		
4-02-880	48.3	IFN AAFCO	Maize, Corn Feed Meal		grain fines (Corn feed meal)		
4-02-861	48.4	IFN AAFCO	Maize, Ground Corn, Corn Meal or Corn Chop		grain,	ground	
4-02-854	48.5	IFN AAFCO	Maize, Cracked Corn		grain,	cracked	
4-02-862	48.6	IFN AAFCO	Maize, Screened Cracked Corn		grain,	cracked screened	
4-02-886	48.7	IFN AAFCO	Maize, Corn Grits or Hominy Grits		grits		
4-08-024	48.8	IFN AAFCO	Maize, Corn Flour		flour		

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
4-02-849	48.9	IFN AAFCO	Maize, Ground Ear Corn, Corn and Cob Meal or Ear Corn Chop)		ears,	ground (Corn and cob meal)	
4-02-850	48.10	IFN AAFCO	Maize, Ground Ear Corn with Husks, Corn and Cob Meal with Husks or Ear Corn Chop with Husks		ears with husks,	ground (Corn and cob meal with husks)	
4-02-859	48.11	IFN AAFCO	Maize, Flaked Corn		grain,	flaked	
4-02-860	48.12	IFN AAFCO	Maize, Toasted Corn Flakes		grain,	flaked toasted	
5-02-903	48.13	IFN AAFCO	Maize, Corn Gluten Feed		gluten with bran (Corn gluten feed)		
5-02-900	48.14	IFN AAFCO	Maize, Corn Gluten Meal		gluten,	meal	
4-02-887	48.16	IFN AAFCO	Maize, Hominy Feed		grits by-product (Hominy feed)		
4-03-011	48.16	IFN AAFCO	Maize, Yellow Hominy Feed	dent yellow,	grits by-product (Hominy feed)		
4-02-990	48.16	IFN AAFCO	Maize, White Hominy Feed	dent white,	grits by-product (Hominy feed)		
4-02-892	48.17	IFN AAFCO	Maize, Dried Corn Syrup		syrup,	dehydrated	
5-02-901	48.18	IFN AAFCO	Maize, Hydrolyzed Corn Protein		gluten,	hydrolyzed	
4-02-866	48.19	IFN AAFCO	Maize, Kibbled Corn		grain,	kibbled	
1-02-768	48.20	IFN AAFCO	Maize, Dehydrated Corn Plant		aerial part,	dehydrated ground	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
1-02-780	48.21	IFN AAFCO	Maize, Dehydrated Coarse Ground Corn Cob		cobs,	coarse ground	
1-02-781	48.21	IFN AAFCO	Maize, Dehydrated Fine Ground Corn Cob		cobs,	fine ground	
1-02-782	48.21	IFN AAFCO	Maize, Ground Corn Cob		cobs,	ground	
5-02-894	48.22	IFN AAFCO	Maize, Corn Germ Meal (Dry Milled)		germs,	meal dry milled mechanical extracted	
5-02-897	48.23	IFN AAFCO	Maize, Corn Germ Meal, Mechanical Extracted, (Wet Milled)		germs without extractives,	meal wet milled mechanical extracted	
5-02-898	48.23	IFN AAFCO	Maize, Corn Germ Meal, Solvent Extracted, (Wet Milled)		germs without extractives,	meal wet milled solvent extracted	
4-02-890	48.24	IFN AAFCO	Maize, Condensed Fermented Corn Extractives		extractives,	fermented condensed	
4-08-023	48.25	IFN AAFCO	Maize, Malto Dextrin		starch,	heat hydrolyzed	
4-08-025	48.26	IFN AAFCO	Maize, Solvent Extracted Hominy Feed		grits by-product,	solvent extracted (Hominy feed)	
1-08-096	48.27	IFN AAFCO	Maize, Corn Plant Pulp		bagasse,	dehydrated	
5-09-333	48.28	IFN AAFCO	Maize, Condensed Fermented Corn Extractives with Germ Meal and Bran, Dehydrated		extractives with germ with bran,	condensed fermented dehydrated	
4-29-354	48.29	IFN AAFCO	Maize, Heat Processed Corn		grain,	heat processed	
4-02-863	48.29	IFN AAFCO	Maize, Heat Processed Corn, Flaked		grain,	heat processed flaked	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
4-02-864	48.29	IFN AAFCO	Maize, Heat Processed Corn, Ground		grain,	heat processed ground	
4-02-865	48.29	IFN AAFCO	Maize, Heat Processed Corn, Pelleted		grain,	heat processed pelleted	
4-28-211	48.30	IFN AAFCO	Maize, Liquified Corn Product		grain,	hydrolyzed liquid	
51. MARINE PRODUCTS							
5-01-977	51.14	IFN AAFCO	Fish, Fish Meal			meal mechanical extracted	
5-01-966	51.24	IFN AAFCO	Fish, Fish Residue Meal		glue residue,	meal	
5-01-973	51.34	IFN AAFCO	Fish, Fish Liver and Glandular Meal		viscera,	meal (Liver and glandular meal)	
5-01-663	51.4	IFN AAFCO	Crab, Crab Meal		process residue,	meal (Crab meal)	
5-04-226	51.5	IFN AAFCO	Shrimp, Shrimp Meal		process residue,	meal (Shrimp meal)	
5-01-969	51.6	IFN AAFCO	Fish, Condensed Fish Solubles		solubles,	condensed	
5-01-971	51.7	IFN AAFCO	Fish, Dried Fish Solubles		solubles,	dehydrated	
7-01-965	51.3	IFN AAFCO	Fish, Fish Oil		oil		
5-09-334	51.9	IFN AAFCO	Fish, Fish Protein Concentrate, Feed Grade		protein concentrate,	solvent extracted	
5-14-509	51.10	IFN AAFCO	Fish, Fish By-Products		process residue,	fresh	
5-27-465	51.11	IFN AAFCO	Fish, Dried Fish Protein Digest			hydrolyzed	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-27-466	51.12	IFN AAFCO	Fish, Condensed Fish Protein Digest			hydrolyzed condensed	
5-27-467	51.13	IFN AAFCO	Fish, Fish Digest Residue		protein residue,	hydrolyzed	
54. MILK PRODUCTS							
5-01-160	54.1	IFN AAFCO	Cattle, Dried Buttermilk, Feed Grade		buttermilk,	dehydrated	
5-01-159	54.2	IFN AAFCO	Cattle, Condensed Buttermilk		buttermilk,	condensed	
5-01-175	54.3	IFN AAFCO	Cattle, Dried Skimmed Milk, Feed Grade		skimmilk,	dehydrated	
5-01-172	54.4	IFN AAFCO	Cattle, Condensed Skimmed Milk		skimmilk,	condensed	
5-01-174	54.5	IFN AAFCO	Cattle, Dried Cultured Skimmed Milk		skimmilk,	cultured dehydrated	
5-01-173	54.6	IFN AAFCO	Cattle, Condensed Cultured Skimmed Milk		skimmilk,	cultured condensed	
4-01-182	54.7	IFN AAFCO	Cattle, Dried Whey		whey,	dehydrated	
4-01-180	54.8	IFN AAFCO	Cattle, Condensed Whey		whey,	condensed	
4-01-189	54.9	IFN AAFCO	Cattle, Dried Whey Solubles		whey solubles,	dehydrated	
4-01-188	54.10	IFN AAFCO	Cattle, Condensed Whey Solubles		whey solubles,	condensed	
4-01-184	54.11	IFN AAFCO	Cattle, Dried Hydrolyzed Whey		whey,	hydrolyzed	
4-01-183	54.12	IFN AAFCO	Cattle, Condensed Hydrolyzed Whey		whey,	hydrolyzed condensed	
4-01-185	54.13	IFN AAFCO	Cattle, Condensed Whey-Product		whey low lactose,	condensed	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
4-01-186		IFN	Cattle.				
	54.14	AAFCO	Dried Whey-Product		whey low lactose,	dehydrated (Dried whey product)	
4-01-181		IFN	Cattle.				
	54.15	AAFCO	Condensed Cultured Whey		whey,	cultured condensed	
5-01-162		IFN	Casein,				
	54.16	AAFCO	Casein			acid precipitated dehydrated	
5-01-163		IFN	Cattle,				
	54.17	AAFCO	Cheese Rind		cheese rind		
5-01-177		IFN	Cattle,				
	54.18	AAFCO	Dried Milk Albumin		whey albumin (Dried milk albumin)		
5-01-167		IFN	Cattle,				
	54.19	AAFCO	Dried Whole Milk, Feed Grade		milk,	dehydrated	
5-08-044		IFN	Cattle,				
	54.20	AAFCO	Dried Milk Protein		milk protein,	dehydrated	
5-08-055		IFN	Casein,				
	54.21	AAFCO	Dried Hydrolyzed Casein			hydrolyzed dehydrated	
57. Mineral Products							
6-00-401		IFN	Animal,				
	57.1	AAFCO	Bone Ash		bone ash		
6-00-402		IFN	Animal,				
	57.2	AAFCO	Bone Charcoal		bone charcoal		
6-01-067		IFN	Calcite,				
	57.3	AAFCO	Calcite			ground	
6-03-481		IFN	Oyster,				
	57.4	AAFCO	Oyster Shell Flour		shells,	fine ground	
6-05-688		IFN	Mollusks,				
	57.5	AAFCO	Shell Flour		shells,	fine ground	
6-01-202		IFN	Chalk rock,				
	57.6	AAFCO	Chalk Rock			ground	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind or name	Facet Origin	Kind or Chemical Formula	Part	Process	Grade
6-01-071	57.7	IFN AAFCO	Calcium carbonate, Calcium Carbonate, Precipitated	CaCO ₃		precipitated	
6-01-201	57.8	IFN AAFCO	Chalk, Chalk, Precipitated			precipitated	
6-02-632	57.9	IFN AAFCO	Limestone, Limestone, Ground			ground	
6-01-069	57.10	IFN AAFCO	Calcium carbonate, Calcium Carbonate	CaCO ₃			
6-02-633 6-06-934	57.11	IFN IFN AAFCO	Limestone, dolomitic, Limestone, magnesium, Limestone, Magnesium, or Dolomitic			ground ground	
6-01-780 6-12-330 6-12-324 6-12-331	57.12	IFN IFN IFN IFN AAFCO	Phosphate, Phosphate, Phosphate, Phosphate, Phosphate, Defluorinated			defluorinated defluorinated, defluorinated, defluorinated,	18.5% phosphorus 18% phosphorus 21% phosphorus
6-04-151	57.13	IFN AAFCO	Salt, Iodized Salt		iodine added,		0.007% iodine
6-00-406	57.14	IFN AAFCO	Animal, Bone Phosphate, Soft		bone phosphate,		soft
6-03-947	57.15	IFN AAFCO	Rock, phosphate, Rock Phosphate, Soft				soft
6-00-370	57.16	IFN AAFCO	Ammonium, phosphate, Diammonium Phosphate	dibasic, (NH ₄) ₂ HPO ₄			
6-00-404	57.17	IFN AAFCO	Animal, Bone Charcoal, Spent		bone charcoal,	spent	
6-00-400	57.18	IFN AAFCO	Animal, Bone Meal, Steamed		bone,	meal steamed	
6-03-707	57.19	IFN AAFCO	Phosphoric acid, Phosphoric Acid	H ₃ PO ₄			
6-03-945	57.20	IFN AAFCO	Rock, phosphate, Rock Phosphate, Ground			ground	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
6-03-946	57.21	IFN AAFCO	Rock, phosphate, Rock Phosphate, Ground, Low Fluorine			ground,	low fluorine
6-08-042	57.22	IFN AAFCO	Ammonium, polyphosphate solution Ammonium Polyphosphate Solution				
6-09-896		IFN	Copper proteinate				
6-09-897		IFN	Zinc proteinate				
6-26-149		IFN	Magnesium proteinate				
6-26-150		IFN	Iron proteinate				
6-26-151	57.23	IFN AAFCO	Cobalt proteinate Metal Proteinate				
6-08-999	57.24	IFN AAFCO	Smectite - Vermiculite Smectite - Vermiculite				
6-09-335	57.25	IFN AAFCO	Calcium, periodate, Calcium Periodate	$\text{Ca}_5(\text{IO}_6)_2$			
6-09-339	57.27	IFN AAFCO	Ammonium, sulfate, Ammonium Sulfate	$(\text{NH}_4)_2\text{SO}_4$			
8-09-822		IFN	Copper, polysaccharide complex				
8-09-898		IFN	Iron, polysaccharide complex				
8-09-899	57.29	IFN AAFCO	Zinc, polysaccharide complex Metal Polysaccharide Complex				
6-04-152	57.31	IFN AAFCO	Salt, Salt	NaCl			
6-09-338	57.33	IFN AAFCO	Ammonium, phosphate, Mono Ammonium Phosphate	monobasic, $(\text{NH}_4)\text{H}_2\text{PO}_4$			
6-14-510	57.34	IFN AAFCO	Phosphate, Phosphate, Partially Defluorinated			partially defluorinated ground	
6-20-774	57.51	IFN AAFCO	Calcium, chloride, Calcium Chloride	CaCl_2			
6-01-073	57.52	IFN AAFCO	Calcium, gluconate, Calcium Gluconate	monohydrate, $\text{Ca}(\text{C}_6\text{H}_{11}\text{O}_7)_2 \cdot \text{H}_2\text{O}$			

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chemical Formula			
6-14-014	57.53	IFN AAFCO	Calcium, hydroxide, Calcium Hydroxide		Ca(OH)_2		
6-01-075		IFN	Calcium, iodate,		$\text{Ca(IO}_3)_2$		
6-29-794	57.54	IFN AAFCO	Calcium, iodate, Calcium Iodate		hexahydrate, $\text{Ca(IO}_3)_2 \cdot 6\text{H}_2\text{O}$		
6-01-077	57.55	IFN AAFCO	Calcium, iodobehenate, Calcium Iodobehenate		$\text{Ca(C}_{21}\text{H}_{42}\text{IO}_2)_2$		
6-14-003	57.56	IFN AAFCO	Calcium, oxide, Calcium Oxide		CaO		
6-01-087 6-01-090	57.57	IFN IFN AAFCO	Calcium, sulfate, Calcium, sulfate, Calcium Sulfate		anhydrous, CaSO_4 dihydrate, $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$		
6-01-554	57.58	IFN AAFCO	Cobalt, acetate, Cobalt Acetate		$\text{Co(C}_2\text{H}_3\text{O}_2)_2$		
6-01-566	57.59	IFN AAFCO	Cobaltous, carbonate, Cobalt Carbonate		CoCO_3		
6-01-556	57.60	IFN AAFCO	Cobalt, chloride, Cobalt Chloride		anhydrous, CoCl_2		
6-01-560	57.61	IFN AAFCO	Cobalt, oxide Cobalt Oxide		CoO		
6-01-562		IFN	Cobalt, sulfate,		monohydrate, $\text{CoSO}_4 \cdot \text{H}_2\text{O}$		
6-01-564	57.62	IFN AAFCO	Cobalt, sulfate, Cobalt Sulfate		heptahydrate, $\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$		
6-01-703	57.63	IFN AAFCO	Cupric, carbonate, Copper Carbonate		CuCO_3		
6-01-705		IFN	Cupric, chloride,		dihydrate, $\text{CuCl}_2 \cdot 2\text{H}_2\text{O}$		
6-07-136 6-07-135	57.64	IFN IFN AAFCO	Cupric, chloride Cuprous, chloride Copper Chloride		CuCl_2 CuCl		

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chemical Formula			
6-01-707	57.65	IFN AAFCO	Cupric, gluconate, Copper Gluconate				
6-01-709	57.66	IFN AAFCO	Cupric, hydroxide, Copper Hydroxide				
6-01-713	57.67	IFN AAFCO	Cupric, orthophosphate, Copper Orthophosphate				
6-01-711	57.68	IFN AAFCO	Cupric, oxide, Copper Oxide				
6-01-717 6-01-719	57.69	IFN IFN AAFCO	Cupric, sulfate, Cupric, sulfate Copper Sulfate				
6-01-721	57.70	IFN AAFCO	Cuprous, iodide, Cuprous Iodide				
6-01-080		IFN	Calcium, phosphate,				
6-26-335		IFN	Calcium, phosphate,				
	57.71	AAFCO	Dicalcium Phosphate				from defluorinated phosphoric acid from furnaced phosphoric acid
6-01-787	57.72	IFN AAFCO	Diiodosalicylic acid, Diiodosalicylic Acid				
6-04-286	57.73	IFN AAFCO	Sodium, phosphate, Disodium Phosphate				
6-01-842	57.74	IFN AAFCO	Ethylenediamine, dihydroiodide, Ethylenediamine Dihydroiodide				
6-08-097	57.75	IFN AAFCO	Ferrous, fumarate, Ferrous Fumarate				
6-01-857	57.76	IFN AAFCO	Ferric, Ferric Ammonium Citrate				
6-01-863	57.77	IFN AAFCO	Ferrous, carbonate, Ferrous Carbonate				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
6-01-865	57.78	IFN AAFCO	Ferric, chloride, Ferric Chloride		FeCl_3		
6-01-867	57.79	IFN AAFCO	Ferrous, gluconate, Ferrous Gluconate		dihydrate $\text{Fe}(\text{C}_6\text{H}_{11}\text{O}_7)_2 \cdot 2\text{H}_2\text{O}$		
6-02-431	57.80	IFN AAFCO	Ferric, oxide, Iron Oxide		Fe_2O_3		
6-01-859	57.81	IFN AAFCO	Ferric, phosphate, Ferric Phosphate		FePO_4		
6-01-861	57.82	IFN AAFCO	Ferric, pyrophosphate, Ferric Pyrophosphate		$\text{Fe}_4(\text{P}_2\text{O}_7)_3$		
6-01-869		IFN	Ferrous, sulfate,		monohydrate, $\text{FeSO}_4 \cdot \text{H}_2\text{O}$		
6-20-734		IFN	Ferrous, sulfate,		heptahydrate, $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$		
	57.83	AAFCO	Ferrous Sulfate				
6-02-429	57.84	IFN AAFCO	Iron, Iron, Reduced		reduced		
6-02-754		IFN	Magnesium, carbonate,		anhydrous, $\text{MgCO}_3 \cdot \text{Mg}(\text{OH})_2$		
6-29-798		IFN	Magnesium, carbonate,		pentahydrate, $\text{MgCO}_3 \cdot \text{Mg}(\text{OH})_2 \cdot 5\text{H}_2\text{O}$		
6-08-797		IFN	Magnesium, carbonate,		trihydrate, $\text{MgCO}_3 \cdot \text{Mg}(\text{OH})_2 \cdot 3\text{H}_2\text{O}$		
	57.85	AAFCO	Magnesium Carbonate				
6-26-012	57.86	IFN AAFCO	Magnesium, hydroxide, Magnesium Hydroxide		$\text{Mg}(\text{OH})_2$		
6-07-756	57.87	IFN AAFCO	Magnesium, oxide Magnesium Oxide		MgO		
6-26-134		IFN	Magnesium, sulfate		MgSO_4		
6-02-758		IFN	Magnesium, sulfate		heptahydrate, $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$		
6-12-209		IFN	Magnesium, sulfate		monohydrate, $\text{MgSO}_4 \cdot \text{H}_2\text{O}$		
	57.88	AAFCO	Magnesium Sulfate				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
6-03-034	57.89	IFN AAFCO	Manganese, acetate, Manganese Acetate	tetrahydrate, $Mn(C_2H_3O_2)_2 \cdot 4H_2O$			
6-03-036	57.90	IFN AAFCO	Manganous, carbonate, Manganese Carbonate	$MnCO_3$			
6-03-038	57.91	IFN AAFCO	Manganous, chloride, Manganese Chloride	tetrahydrate, $MnCl_2 \cdot 4H_2O$			
6-03-040	57.92	IFN AAFCO	Manganous, citrate, Manganese Citrate (Soluble)	soluble, $Mn_3(C_6H_5O_7)_2$			
6-03-044	57.93	IFN AAFCO	Manganous, gluconate, Manganese Gluconate	$Mn(C_6H_{11}O_7)_2$			
6-03-046	57.94	IFN AAFCO	Manganese, orthophosphate, Manganese Orthophosphate	trihydrate, $Mn_3(PO_4)_2 \cdot 3H_2O$			
6-03-048	57.95	IFN AAFCO	Manganese, phosphate, Manganese Phosphate (dibasic)	dibasic, $MnHPO_4$			
6-03-050	57.96	IFN AAFCO	Manganous, sulfate, Manganese Sulfate	tetrahydrate, $MnSO_4 \cdot 4H_2O$			
6-03-054	57.97	IFN AAFCO	Manganous, oxide, Manganous Oxide	MnO			
6-01-082		IFN	Calcium, phosphate,	monobasic,			
6-26-334	57.98	IFN AAFCO	Calcium, phosphate, Monocalcium Phosphate	monobasic,			from defluorinated phosphoric acid from furnaced phosphoric acid
6-04-288	57.99	IFN AAFCO	Sodium, phosphate, Monosodium Phosphate	monobasic, $NaH_2PO_4 \cdot H_2O$			
6-09-337	57.100	IFN AAFCO	Potassium, bicarbonate, Potassium Bicarbonate	$KHCO_3$			
6-09-336	57.101	IFN AAFCO	Potassium, carbonate, Potassium Carbonate	K_2CO_3			

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Process	Grade
			Origin	Kind or Chem- ical Formula		
6-03-755	57.102	IFN AAFCO	Potassium, chloride, Potassium Chloride	KCl		
6-08-072	57.103	IFN AAFCO	Potassium, iodate, Potassium Iodate	KIO ₃		
6-03-759	57.104	IFN AAFCO	Potassium, iodide, Potassium Iodide	KI		
6-08-098	57.105	IFN AAFCO	Potassium, sulfate, Potassium Sulfate	K ₂ SO ₄		
6-04-272	57.106	IFN AAFCO	Sodium, bicarbonate, Sodium Bicarbonate	NaHCO ₃		
6-04-277	57.107	IFN AAFCO	Sodium, iodate, Sodium Iodate	NaIO ₃		
6-04-279	57.108	IFN AAFCO	Sodium, iodide, Sodium Iodide	NaI		
6-04-291	57.109	IFN AAFCO	Sodium, sulfate, Sodium Sulfate	decahydrate, Na ₂ SO ₄ ·10H ₂ O		
6-08-076	57.110	IFN AAFCO	Sodium, Sodium Tripolyphosphate	tripolyphosphate, Na ₅ P ₃ O ₁₀		
6-04-705	57.111	IFN AAFCO	Sulfur, Sulfur	elemental		
6-04-857	57.112	IFN AAFCO	Thymol, iodide, Thymol Iodide	C ₂₀ H ₂₄ I ₂ O ₂		
6-01-084	57.113	IFN AAFCO	Calcium, phosphate, Tricalcium Phosphate	tribasic,		from furnaced phosphoric acid
6-05-547	57.114	IFN AAFCO	Zinc, acetate, Zinc Acetate	dihydrate, Zn(C ₂ H ₃ O ₂) ₂ ·2H ₂ O		
6-05-549	57.115	IFN AAFCO	Zinc, carbonate, Zinc Carbonate	ZnCO ₃		

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
6-05-551	57.116	IFN AAFCO	Zinc, chloride, Zinc Chloride		ZnCl ₂		
6-05-553	57.117	IFN AAFCO	Zinc, oxide, Zinc Oxide		ZnO		
6-05-555	57.118	IFN AAFCO	Zinc, sulfate, Zinc Sulfate		monohydrate, ZnSO ₄ ·H ₂ O		
6-26-013	57.119	IFN AAFCO	Sodium, selenite, Sodium Selenite		Na ₂ SeO ₃		
6-26-014	57.120	IFN AAFCO	Sodium, selenate, Sodium Selenate		Na ₂ SeO ₄		
6-20-867	57.121	IFN AAFCO	Ferric, Ferric Choline Citrate Complex		choline citrate complex		
6-20-868	57.122	IFN AAFCO	Copper, Copper Choline Citrate Complex		choline citrate complex		
6-20-869	57.123	IFN AAFCO	Cobalt, Cobalt Choline Citrate Complex		choline citrate complex		
6-20-870	57.124	IFN AAFCO	Potassium, hydroxide, Potassium Hydroxide		KOH		
6-20-871	57.125	IFN AAFCO	Sodium, phosphate, Tribasic Sodium Phosphate		tribasic, Na ₃ PO ₄		
6-20-872	57.126	IFN AAFCO	Magnesium, chloride, Magnesium Chloride		MgCl ₂		
6-14-505	T57.30	IFN AAFCO	Shale, gypsiferrous Gypsiferrous Shale				
6-30-089	T57.127	IFN AAFCO	Ferric, formate, Ferric Formate		Fe(CHO ₂) ₃ ·H ₂ O		
6-30-090	T57.128	IFN AAFCO	Ferrous, chloride, Ferrous Chloride		FeCl ₂		

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chemical Formula			
6-30-086	T57.129	IFN AAFCO	Ferric, sulfate, Ferric Sulfate	$Fe_2(SO_4)_3$			
6-30-087	T57.130	IFN AAFCO	Potassium, citrate, Potassium Citrate	$K_3C_6H_5O_7 \cdot H_2O$			
6-01-259	T57.131	IFN AAFCO	Clam, Clam Shells, Ground		shells,	ground	
6-12-315	T57.132	IFN AAFCO	Sodium, hexametaphosphate, Sodium Hexametaphosphate	$(NaPO_3)_6$			
6-12-316	T57.133	IFN AAFCO	Sodium, carbonate, Sodium Carbonate	Na_2CO_3			
6-12-311	T57.134	IFN AAFCO	Calcium, phosphate Calcium Phosphate				
60. MISCELLANEOUS PRODUCTS							
4-00-423	60.1	IFN AAFCO	Apple, Dried Apple Pomace		pomace,	dehydrated	
4-00-425	60.2	IFN AAFCO	Apple, Dried Apple Pectin Pulp		pomace without pectin,	dehydrated	
4-12-237	60.5	IFN AAFCO	Buckwheat, Buckwheat Middlings		flour by-product without hulls		
5-01-572	60.60	IFN AAFCO	Coconut, Coconut Meal, Mechanical Extracted or Copra Meal Mechanical Extracted		kernels with coats,	meal mechanical extracted (Copra meal)	
5-01-573	60.61	IFN AAFCO	Coconut, Coconut Meal, Solvent Extracted		kernels with coats,	meal solvent extracted (Copra meal)	
4-00-358	60.7	IFN AAFCO	Almond, Ground Almond Hulls		hulls,	ground	
5-05-041	60.8	IFN AAFCO	Tomato, Dried Tomato Pomace		pomace,	dehydrated	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-02-158		IFN	Cereals,				
	60.9	AAFCO	Vinegar Dried Grains		vinegar fermentation grains,	dehydrated	
5-02-159		IFN	Cereals,				
	60.9	AAFCO	Yeast Dried Grains		yeast fermentation grains,	dehydrated	
1-04-682		IFN	Cereals,				
	60.10	AAFCO	Ground Straw		straw,	ground	
1-12-232		IFN	Alfalfa,				
	60.10	AAFCO	Ground Alfalfa Straw		straw,	ground	
1-12-233		IFN	Bluegrass,				
	60.10	AAFCO	Ground Blue Grass Straw		straw,	ground	
1-02-215		IFN	Grass,				
	60.11	AAFCO	Ground Grass		hay,	sun-cured ground	
4-02-092		IFN	Garbage,				
	60.12	AAFCO	Dehydrated Garbage			dehydrated	
5-04-109		IFN	Safflower,				
	60.130	AAFCO	Safflower Meal, Mechanical Extracted		seeds,	meal mechanical extracted	
5-04-110		IFN	Safflower,				
	60.131	AAFCO	Safflower Meal, Solvent Extracted		seeds,	meal solvent extracted	
4-01-199		IFN	Cereals,	breakfast,			
	60.14	AAFCO	Cereal Food Fines		process residue		
4-00-466		IFN	Bakery,				
	60.15	AAFCO	Dried Bakery Product		waste,	dehydrated (Dried bakery product)	
1-12-238		IFN	Buckwheat,				
	60.17	AAFCO	Buckwheat Hulls		hulls		
5-05-687		IFN	Guar,				
	60.18	AAFCO	Guar Meal		seeds without endosperm,	ground	
1-08-073		IFN	Seaweed,	kelp,			
	60.19	AAFCO	Dried Kelp		whole,	dehydrated	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
3-08-812	60.20	IFN AAFCO	Alfalfa, Dehydrated Silage (ensilage) Pellets		silage,	dehydrated pelleted	
5-30-033	60.210	IFN AAFCO	Sunflower, Sunflower Meal, Dehulled, Mechanical Extracted		seeds without hulls,	meal mechanical extracted	
5-30-034	60.211	IFN AAFCO	Sunflower, Sunflower Meal, Dehulled, Solvent Extracted		seeds without hulls,	meal solvent extracted	
5-27-477	60.220	IFN AAFCO	Sunflower, Sunflower Meal, Mechanical Extracted		seeds,	meal mechanical extracted	
5-30-032	60.221	IFN AAFCO	Sunflower, Sunflower Meal, Solvent Extracted		seeds,	meal solvent extracted	
1-04-720	60.23	IFN AAFCO	Sunflower, Sunflower Hulls		hulls		
1-09-327	60.24	IFN AAFCO	Animal, Paunch Product, Dehydrated		rumen contents,	dehydrated	
5-03-870	60.25	IFN AAFCO	Rape, Rapeseed Meal, Mechanical Extracted		seeds,	meal mechanical extracted	
1-04-686	60.26	IFN AAFCO	Sugarcane, Bagasse		bagasse,	dehydrated	
1-10-609 1-09-716	60.27	IFN IFN AAFCO	Bermudagrass, Bermudagrass, Coastal Bermuda Grass Hay, Coastal Bermuda Grass Meal	coastal, coastal,	hay,	meal sun-cured	
4-03-775	60.28	IFN AAFCO	Potato, Dried Potato Products		process residue,	dehydrated	
5-14-503	60.29	IFN AAFCO	Gelatin, Gelatin by-Products		process residue (Gelatin by-products)		
5-12-149	60.30	IFN AAFCO	Mustard, Mustard Meal, Solvent Extracted		seeds,	meal solvent extracted	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chemical Formula	Part	Process	Grade
			Origin				
5-09-821	60.32	IFN AAFCO	Taurine Taurine				
4-12-175	60.33	IFN AAFCO	Food waste, Dehydrated Food-Waste			dehydrated	
5-00-594	60.34	IFN AAFCO	Bean, Dried Beans		seeds		
5-00-600	60.34	IFN AAFCO	Bean, Dried Kidney Beans	kidney,	seeds		
5-00-623	60.34	IFN AAFCO	Bean, Dried Navy Beans	navy,	seeds		
5-00-624	60.34	IFN AAFCO	Bean, Dried Pinto Beans	pinto,	seeds		
4-20-865	60.35	IFN AAFCO	Sugar foods, Sugar Foods By-Product		process residue		
4-00-669	60.36	IFN AAFCO	Beet, Beet Pulp, Dried, Plain	sugar,	pulp,	dehydrated	
4-00-672	60.37	IFN AAFCO	Beet, Beet Pulp, Dried, Molasses	sugar,	pulp with molasses,	dehydrated	
4-00-675	60.38	IFN AAFCO	Beet, Beet Pulp, Dried Product	sugar,	pulp with Steffens filtrate,	dehydrated	
4-20-866	60.39	IFN AAFCO	Beet, Beet Molasses, Dried Product	sugar,	pulp with molasses,	dehydrated	more than 45% invert sugars
8-26-242	60.40	IFN AAFCO	Perlite Perlite				
5-00-679	60.41	IFN AAFCO	Beet, Concentrated Steffens Filtrate	sugar,	Steffens filtrate,	condensed	
1-07-754	60.42	IFN AAFCO	Almond, Ground Almond Shells		shells,	ground	
1-30-183	60.44	IFN AAFCO	Aspen, quaking-Aspen, large toothed, Ground Whole Aspen and/or Parts		aerial part,	ground	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
1-12-241	T50.44	IFN AAFCO	Aspen, Ground Whole Aspen and/or Parts		aerial part,	ground	
5-14-015	T50.31	IFN AAFCO	Poultry, Dried Poultry Waste		manure,	dehydrated	
4-12-208	T50.43	IFN AAFCO	Cereals-oil seeds, Aspirated Grain Fractions		grain and seed fractions,	aspirated	
63. MOLASSES							
4-30-289	63.1	IFN AAFCO	Beet, Beet Molasses	sugar,	molasses		
4-01-241	63.3	IFN AAFCO	Citrus, Citrus Molasses		syrup (Molasses)		
4-08-030	63.5	IFN AAFCO	Hemicellulose extract (Masonex) Hemicellulose Extract				
4-08-037	63.6	IFN AAFCO	Corn-sorghum, Starch Molasses		starch molasses		
4-13-251	63.7	IFN AAFCO	Sugarcane, Cane Molasses		molasses		
66. NON-PROTEIN NITROGEN							
5-05-070	66.1	IFN AAFCO	Urea, Urea				45% nitrogen 281% protein equivalent
8-09-824	66.2	IFN AAFCO	Biuret, Feed Grade Biuret				
5-14-506	66.3	IFN AAFCO	Starch-urea product, Gelatinized Starch-Urea Product		gelatinized		
5-30-264	66.4	IFN AAFCO	Starch-urea product, Liquid Starch-Controlled Urea Product			liquid	
5-28-223	T66.5	IFN AAFCO	Cattle, Fermented Ammoniated Condensed Whey		whey,	fermented ammoniated condensed	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
5-30-083	T66.6	IFN AAFCO	Lactosylurea Lactosylurea				
69. OAT PRODUCTS							
4-03-331	69.1	IFN AAFCO	Oats, Oat Groats		groats		
1-03-281	69.2	IFN AAFCO	Oats, Oat Hulls		hulls		
4-03-303	69.3	IFN AAFCO	Oats, Feeding Oat Meal		cereal by-product,		less than 4% fiber (Feeding oat meal) (Oat middlings)
1-03-269	69.4	IFN AAFCO	Oats, Clipped Oat By-Product		grain clipped by-product		
4-03-309	69.5	IFN AAFCO	Oats, Oats		grain		
4-08-026	69.6	IFN AAFCO	Oats, Mixed Feed Oats	wild-oats,	grain		
1-03-332	69.7	IFN AAFCO	Oats, Oat Mill By-Product		groats by-product,		less than 22% fiber
72. PEANUT PRODUCTS							
1-03-631	72.2	IFN AAFCO	Peanut, Peanut Skins		seed coats (Peanut skins)		
1-08-028	72.6	IFN AAFCO	Peanut, Peanut Hulls		Pods		
5-03-655	72.7	IFN AAFCO	Peanut, Peanut Meal and Hulls, Mechanical Extracted		Pods with seeds,	meal mechanical extracted	
5-03-656	72.7	IFN AAFCO	Peanut, Peanut Meal and Hulls, Solvent Extracted		Pods with seeds,	meal solvent extracted	
1-03-627	72.8	IFN AAFCO	Peanut, Ground Peanut Hay		hay,	sun-cured ground	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
5-03-649		IFN	Peanut,		seeds without coats,	meal mechanical extracted (Peanut meal).	
	72.9	AAFCO	Peanut Meal, Mechanical Extracted				
5-03-650		IFN	Peanut,		seeds without coats,	meal solvent extracted (Peanut meal)	
	72.9	AAFCO	Peanut Meal, Solvent Extracted				
75. RICE PRODUCTS							
4-03-943		IFN	Rice,		polishings		
	75.1	AAFCO	Rice Polishings				
4-03-938		IFN	Rice,		grain,	ground (Ground rough rice) (Ground paddy rice)	
	75.2	AAFCO	Ground Rough Rice or Ground Paddy Rice				
4-03-930		IFN	Rice,		bran with germs,	meal solvent extracted (Solvent extracted rice bran)	
	75.3	AAFCO	Rice Bran, Solvent Extracted				
4-03-932		IFN	Rice,		groats,	polished broken (Brewers rice)	
	75.4	AAFCO	Chipped Rice, Broken Rice, or Brewers Rice				
4-03-935		IFN	Rice,		groats,	ground	
	75.5	AAFCO	Ground Brown Rice				
1-08-075		IFN	Rice,		hulls		
	75.6	AAFCO	Rice Hulls				
4-03-928		IFN	Rice,		bran with germs (Rice bran)		
	75.7	AAFCO	Rice Bran				
1-03-941		IFN	Rice,		mill run		
	75.8	AAFCO	Rice Mill By-Product				
78. RYE PRODUCTS							
4-04-034		IFN	Rye,		mill run,		
	78.1	AAFCO	Rye Mill Run				less than 9.5% fiber (Rye feed)

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chemical Formula			
4-04-031		IFN	Rye,				
	78.2	AAFCO	Rye Middlings		flour by-product,		less than 8.5% fiber (Rye middlings)
81. SCREENINGS							
4-02-156		IFN	Cereals,				
	81.1	AAFCO	Grain Screenings		grain screenings		
4-02-157		IFN	Cereals,				
	81.2	AAFCO	Mixed Screenings	mixed,	grain screenings		
4-02-149		IFN	Cereals-legumes,				
	81.3	AAFCO	Chaff and/or Dust		chaff and/or dust		
4-00-542		IFN	Barley,				
	T81.4	AAFCO	Barley Screenings		grain screenings		
4-20-687		IFN	Maize,				
	T81.4	AAFCO	Corn Screenings		grain screenings		
4-03-329		IFN	Oats,				
	T81.4	AAFCO	Oats Screenings		grain screenings		
4-08-085		IFN	Rice,				
	T81.4	AAFCO	Pice Screenings		grain screenings		
4-27-721		IFN	Sorghum,				
	T81.4	AAFCO	Sorghum Screenings		grain screenings		
4-05-216		IFN	Wheat,				
	T81.4	AAFCO	Wheat Screenings		grain screenings		
84. SOYBEAN PRODUCTS							
5-04-596		IFN	Soybean,				
	84.1	AAFCO	Ground Soybeans		seeds,	ground	
1-04-559		IFN	Soybean,				
	84.2	AAFCO	Ground Soybean Hay		hay,	sun-cured ground	
1-04-560		IFN	Soybean,				
	84.3	AAFCO	Soybean Hulls		seed coats (hulls)		

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-04-613		IFN	Soybean,				
	84.4	AAFCO	Soybean Feed, Solvent Extracted		seeds low protein low carbohydrates,	meal solvent extracted	
4-04-594		IFN	Soybean,				
	84.8	AAFCO	Soybean Mill Feed		flour by-product (Soybean mill feed)		
4-04-595		IFN	Soybean,				
	84.9	AAFCO	Soybean Mill Run		mill run (Soybean groats by-product)		
4-04-562		IFN	Soybean,				
	84.10	AAFCO	Soy Phosphatide or Soy Lecithin		lecithin		
5-04-597		IFN	Soybean,				
	84.11	AAFCO	Heat Processed Soybeans		seeds,	heat processed	
5-08-038		IFN	Soybean,				
	84.12	AAFCO	Soy Protein Concentrate		protein concentrate,		more than 70% protein
5-09-343		IFN	Soybean,				
	84.13	AAFCO	Kibbled Soybean Meal		seeds,	kibbled solvent extracted	
5-09-344		IFN	Soybean,				
	84.14	AAFCO	Condensed Soybean Solubles		solubles,	condensed	
5-14-005		IFN	Soybean,				
	84.15	AAFCO	Ground Extruded Whole Soybeans		seeds,	extruded ground	
5-26-010		IFN	Soybean,				
	84.16	AAFCO	Soybean Protein Product, Chemically Modified		protein,	chemically modified	
5-12-176		IFN	Soybean,				
5-04-592		IFN	Soybean,				
	84.5	AAFCO	Soy Grits		grits, grits,	mechanical extracted solvent extracted	
5-04-612		IFN	Soybean,				
	84.7	AAFCO	Soybean Meal, Dehulled, Solvent Extracted		seeds without hulls,	meal solvent extracted	

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-12-177 5-04-593	84.51	IFN IFN AAFCO	Soybean, Soybean, Soy Flour		flour, flour,	mechanical extracted solvent extracted	
5-04-600	84.60	IFN AAFCO	Soybean, Soybean Meal, Mechanical Extracted		seeds,	meal mechanical extracted	
5-04-604	84.61	IFN AAFCO	Soybean, Soybean Meal, Solvent Extracted		seeds,	meal solvent extracted	
5-12-317	84.62	IFN AAFCO	Soybean, Jet-Sploded Whole Soybeans		seeds,	thermally expanded	
87. SPECIAL PURPOSE PRODUCTS							
5-00-357	87.1	IFN AAFCO	Algae, Algae Meal			meal dehydrated	
8-02-627 8-29-786	87.2	IFN IFN AAFCO	Lignin sulfonate, Lignin sulfonate, Lignin Sulfonate			dehydrated condensed	
6-08-034	87.3	IFN AAFCO	Silicon dioxide, Silicon Dioxide	SiO ₂			
8-08-993	87.4	IFN AAFCO	Verxite granules Verxite Granules				
8-08-994	87.4	IFN AAFCO	Verxite flake, Verxite Flakes				
8-09-350	87.4	IFN AAFCO	Verxite grits Verxite Grits				
6-20-861	87.5	IFN AAFCO	Aluminum sulfate, Aluminum Sulfate	AlSO ₄			
8-00-416	87.5	IFN AAFCO	Anise, Aniseed		seeds		
8-14-008	87.5	IFN AAFCO	Clay, Attapulgate Clay	attapulgate			
8-08-046	87.5	IFN AAFCO	Clay, Ball Clay	ball			

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
8-08-043	87.5	IFH AAFCO	Calcium silicate, Calcium	$CaSiO_3$			
8-09-345	87.5	IFH AAFCO	Calcium stearate, Calcium Stearate (Feed Grade)	$Ca(C_{18}H_{35}O_2)_2$			
8-03-085	87.5	IFH AAFCO	Pepper, Capsicum; Red Pepper	red,	fruit,	dehydrated	
8-09-363	87.5	IFH AAFCO	Diatomaceous earth Diatomaceous Earth				
8-05-689	87.5	IFH AAFCO	Sodium Edta Sodium Edta				
8-08-045	87.5	IFH AAFCO	Ethyl cellulose Ethyl Cellulose				
8-01-055	87.5	IFH AAFCO	Fennel, Fennel		seeds		
8-01-056	87.5	IFH AAFCO	Fenugreek, Fenugreek Seed		seeds		
8-02-122	87.5	IFH AAFCO	Ginger, Ginger		roots		
8-08-098	87.5	IFH AAFCO	Glycyrrhizin, Glycyrrhizin Ammoniated			ammoniated	
8-01-057	87.5	IFH AAFCO	Ferric, Iron Ammonium Citrate	$ammonia\ citrate$			
8-08-040	87.5	IFH AAFCO	Kaolin Kaolin				
8-08-041	87.5	IFH AAFCO	Lecithin Lecithin				
8-09-346	87.5	IFH AAFCO	Coconut Methyl Glucoside Coconut Oil Ester		methyl glucoside oil ester		
8-03-123	87.5	IFH AAFCO	Mineral oil Mineral Oil				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
8-09-347	87.5	IFN AAFCO	Monosodium glutamate Monosodium Glutamate				
8-09-364	87.5	IFN AAFCO	Montmorillonite, Montmorillonite Clays		clays		
8-08-027	87.5	IFN AAFCO	Paraffin Paraffin				
8-05-691	87.5	IFN AAFCO	Petrolatum Petrolatum				
8-08-029	87.5	IFN AAFCO	Petroleum jelly Petroleum Jelly				
6-03-707	87.5	IFN AAFCO	Phosphoric acid, Phosphoric Acid	H_3PO_4			
8-09-348	87.5	IFN AAFCO	Polyethylene glycol (400) mono and dioleate Polyethylene Glycol (400) Mono and Dioleate				
8-08-053	87.5	IFN AAFCO	Polyoxy-ethylene glycol (400) mono and dioleates Polyoxy-ethylene Glycol (400) mono and dioleates				
8-08-031	87.5	IFN AAFCO	Polysorbate 80 Polysorbate 80				
8-08-032	87.5	IFN AAFCO	Polysorbate 60 (polyoxy-ethylene (20) sorbitan monostearate) Polysorbate 60 (Polyoxy-ethylene (20) Sorbitan Monostearate)				
8-03-809	87.5	IFN AAFCO	Propylene glycol Propylene Glycol				
8-08-054	87.5	IFN AAFCO	Propylene glycol alginate Propylene Glycol Alginate				
8-05-694	87.5	IFN AAFCO	Pyrophyllite Pyrophyllite				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
8-04-103	87.5	IFN AAFCO	Saccharin sodium Saccharin Sodium				
8-08-100	87.5	IFN AAFCO	Sodium carboxymethyl cellulose Sodium Carboxymethyl Cellulose				
8-08-101	87.5	IFN AAFCO	Sodium silico aluminate Sodium Silico Aluminate				
8-14-007	87.5	IFN AAFCO	Sodium stearoyl-2 lactylate Sodium Stearoyl-2 Lactylate				
8-05-695	87.5	IFN AAFCO	Sorbitan monostearate with or without polysorbate 60 Sorbitan Monostearate with or without Polysorbate 60				
8-05-696	87.5	IFN AAFCO	Marigold, Tagetes (Aztec Marigold) Meal and Extract	Aztec,	flowers,	meal and extract	
8-20-862	87.5	IFN AAFCO	Tetrasodium pyrophosphate, Tetrasodium Pyrophosphate	$\text{Na}_4\text{P}_2\text{O}_7$			
8-20-860	87.5	IFN AAFCO	Titanium dioxide, Titanium Dioxide	TiO_2			
8-08-995	87.5	IFN AAFCO	Urea formaldehyde Urea Formaldehyde				
8-05-697	87.5	IFN AAFCO	Yellow prussiate of soda Yellow Prussiate of Soda				
8-12-184	87.5	IFN AAFCO	Aklomide plus sulfanitran Akimodie Plus Sulfanitran				
8-01-224	87.5	IFN AAFCO	Chlortetracycline Chlortetracycline				
8-03-234	87.5	IFN AAFCO	Nihydrazone Nihydrazone				
8-05-560	87.5	IFN AAFCO	Nitromide Nitromide				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
8-05-561	87.5	IFN AAFCO	4-Nitrophenyl-arsonic acid 4-Nitrophenyl-Arsonic Acid				
8-09-829	87.5	IFN AAFCO	Ipronidazole Ipronidazole				
8-26-333	87.5	IFN AAFCO	Lasalocid sodium Lasalocid Sodium				
8-12-192	87.5	IFN AAFCO	Lincomycin hydrochloride Lincomycin Hydrochloride				
8-08-817	87.5	IFN AAFCO	Melengestrol acetate Melengestrol Acetate				
8-09-373	87.5	IFN AAFCO	Monensin Monensin				
8-12-190	87.5	IFN AAFCO	Roxarsone Roxarsone				
8-12-191	87.5	IFN AAFCO	Sulfanilimide Sulfanilimide				
8-04-704	87.5	IFN AAFCO	Sulfathiazole Sulfathiazole				
8-04-703	87.5	IFN AAFCO	Sulfaquinoxaline Sulfaquinoxaline				
8-05-069	87.5	IFN AAFCO	Tylosin Tylosin				
8-00-373	87.5	IFN AAFCO	Amprolium Amprolium				
8-08-103	87.5	IFN AAFCO	Buquinolate Buquinolate				
8-20-775	87.5	IFN AAFCO	Carbadox Carbadox				
8-09-371	87.5	IFN AAFCO	Decoquinatate Decoquinatate				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
8-09-828	87.5	IFN AAFCO	Nequinatc Nequinatc				
8-03-412	87.5	IFN AAFCO	Oleandomycin Oleandomycin				
8-14-011	87.5	IFN AAFCO	Pyrantel tartrate Pyrantel Tartrate				
8-14-012	87.5	IFN AAFCO	Robenidine hydrochloride Robenidine Hydrochloride				
8-04-827	87.5	IFN AAFCO	Thiabendazole Thiabendazole				
1-08-033	87.6	IFN AAFCO	Rice, Rice By-Products Fractions		hull fines		
1-05-698	87.7	IFN AAFCO	Rice, Ammoniated Rice Hulls		hulls,	ammoniated	
8-03-351	87.8	IFN AAFCO	Polyethylene Polyethylene Roughage Replacement				
5-09-352	87.9	IFN AAFCO	Cotton, Ammoniated Cottonseed Meal		seeds,	meal solvent extracted ammoniated	
8-08-063	87.10	IFN AAFCO	Poloxalene Poloxalene				
5-14-511	87.11	IFN AAFCO	Ammonia, Anhydrous Ammonia	anhydrous			
8-00-695	87.12	IFN AAFCO	Bentonite Bentonite				
8-14-512	87.13	IFN AAFCO	Sodium bentonite Sodium Bentonite				
8-15-514	87.14	IFN AAFCO	Cellulose, Powdered Cellulose			powdered	
8-26-243	87.15	IFN AAFCO	Formaldehyde solution Formaldehyde Solution				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
90. VITAMINS							
7-01-993	90.1	IFN AAFCO	Fish, Cod Liver Oil	cod,	liver oil		
7-08-047	90.2	IFN AAFCO	Fish, Cod Liver Oil with Added Vitamins A and D	cod,	liver oil vitamins A and D added		
7-05-141	90.3	IFN AAFCO	Vitamin A, Vitamin A Oil		oil		
7-05-149	90.4	IFN AAFCO	Vitamin D ₂ , Vitamin D ₂ Supplement	supplement			
7-05-147	90.5	IFN AAFCO	Vitamin D, Vitamin D Oil		oil		
7-05-145	90.6	IFN AAFCO	Vitamin A and D, Vitamin A and D Oil		oil		
7-00-408	90.7	IFN AAFCO	Animal, D-Activated Animal Sterol		sterol,	irradiated	
7-03-728	90.8	IFN AAFCO	Plant, D-Activated Plant Sterol		sterol,	irradiated	
7-05-146	90.11	IFN AAFCO	Vitamin B ₁₂ , Vitamin B ₁₂ Supplement	supplement			
7-05-150	90.12	IFN AAFCO	Vitamin E, Vitamin E Supplement	supplement			
7-03-921	90.13	IFN AAFCO	Riboflavin, Riboflavin Supplement	supplement			
7-05-144	90.14	IFN AAFCO	Vitamin A, Vitamin A Supplement	supplement			
7-05-699	90.15	IFN AAFCO	Vitamin D ₃ , Vitamin D ₃	supplement			
7-26-003	90.16	IFN AAFCO	Niacin, Niacin Supplement	supplement			

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Process	Grade
			Origin	Kind or Chem- ical Formula		
7-00-433	90.25	IFN AAFCO	Ascorbic acid, Ascorbic Acid			crystalline
7-00-722	90.25	IFN AAFCO	Betaine hydrochloride, Betaine Hydrochloride			crystalline
7-00-723	90.25	IFN AAFCO	Biotin Biotin			
7-01-079	90.25	IFN AAFCO	Calcium pantothenate, Calcium Pantothenate			crystalline
7-01-134	90.25	IFN AAFCO	Carotene, Carotene			crystalline
7-01-228	90.25	IFN AAFCO	Choline chloride Choline Chloride			
7-01-229	90.25	IFN AAFCO	Choline pantothenate, Choline Pantothenate			crystalline
7-01-230	90.25	IFN AAFCO	Choline xanthate Choline Xanthate			
8-09-823	90.25	IFN AAFCO	Erythorbic acid Erythorbic Acid (Iso Ascorbic Acid)			
7-02-066	90.25	IFN AAFCO	Folic acid, Folic Acid			crystalline
7-08-048	90.25	IFN AAFCO	Fish, Herring Oil	herring,	oil	
7-09-354	90.25	IFN AAFCO	Inositol Inositol			
7-08-102	90.25	IFN AAFCO	Menadione dimethylpyrimidinal bisulfite, Menadione Dimethylpyrimidinal Bisulfite			crystalline
7-03-077	90.25	IFN AAFCO	Menadione sodium bisulfite Menadione Sodium Bisulfite			

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Kind or Chem- ical Formula	Part	Process	Grade
			Origin					
7-03-078		IFN	Menadione sodium bisulfite complex					
	90.25	AAFCO	Menadione Sodium Bisulfite Complex					
7-08-049		IFN	Fish, Menhaden Oil		Menhaden,	oil		
	90.25	AAFCO						
7-03-219		IFN	Nicotinic acid, Niacin					crystalline
	90.25	AAFCO	Nicotinic Acid					
	90.25	AAFCO						
7-03-215		IFN	Niacinamide, Niacinamide					crystalline
	90.25	AAFCO	Nicotinamide					
	90.25	AAFCO						
7-03-513		IFN	P-aminobenzoic acid, P-Aminobenzoic Acid					crystalline
	90.25	AAFCO						
7-03-822		IFN	Pyridoxine hydrochloride, Pyridoxine Hydrochloride					crystalline
	90.25	AAFCO						
7-03-920		IFN	Riboflavin Riboflavin					
	90.25	AAFCO						
7-08-050		IFN	Fish, Salmon Oil		Salmon,	oil from process residue		
	90.25	AAFCO						
7-02-013		IFN	Fish, Salmon Liver Oil		Salmon,	liver oil		
	90.25	AAFCO						
7-02-016		IFN	Fish, Sardine Oil		Sardine,	oil from process residue		
	90.25	AAFCO						
7-02-019		IFN	Fish, Shark Liver Oil		Shark,	liver oil		
	90.25	AAFCO						
7-04-828		IFN	Thiamine, hydrochloride, Thiamine Hydrochloride					crystalline
	90.25	AAFCO						
7-04-829		IFN	Thiamine, mononitrate, Thiamine Mononitrate					crystalline
	90.25	AAFCO						
7-00-001		IFN	a-Tocopherol a-Tocopherol					
	90.25	AAFCO						

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
7-02-024	90.25	IFN AAFCO	Fish, Tuna Oil	Tuna,	oil from process residue		
7-05-142	90.25	IFN AAFCO	Vitamin A, Vitamin A Acetate	acetate			
7-05-143	90.25	IFN AAFCO	Vitamin A, Vitamin A Palmitate	palmitate			
7-26-311	90.25	IFN AAFCO	Vitamin A, Vitamin A Propionate	propionate			
7-05-207	90.25	IFN AAFCO	Wheat, Wheat Germ Oil		germ oil		
93. WHEAT PRODUCTS							
4-05-190	93.1	IFN AAFCO	Wheat, Wheat Bran		bran		
4-05-199	93.2	IFN AAFCO	Wheat, Wheat Feed Flour		flour,		less than 1.5% fiber
5-05-218	93.3	IFN AAFCO	Wheat, Wheat Germ Meal		germs,	ground	
4-05-206	93.4	IFN AAFCO	Wheat, Wheat Mill Run		mill run,		less than 9.5% fiber
4-05-205	93.5	IFN AAFCO	Wheat, Wheat Middlings		flour by-product,		less than 9.5% fiber (Wheat middlings)
4-05-201	93.6	IFN AAFCO	Wheat, Wheat Shorts		flour by-product,		less than 7% fiber (Wheat shorts)
4-05-203	93.7	IFN AAFCO	Wheat, Wheat Red Dog		flour by-product,		less than 4.5% fiber (Wheat red dog)

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet		Part	Process	Grade
			Origin	Kind or Chem- ical Formula			
5-05-217	93.8	IFN AAFCO	Wheat, Defatted Wheat Germ Meal		germs,	meal mechanical extracted	
96. YEAST							
7-05-533	96.1	IFN AAFCO	Yeast, Primary Dried Yeast or Dried Yeast		primary,	dehydrated	
7-05-524	96.2	IFN AAFCO	Yeast, Active Dry Yeast		active,	dehydrated	
7-05-529	96.3	IFN AAFCO	Yeast, Irradiated Dried Yeast		irradiated,	dehydrated	
7-05-527	96.4	IFN AAFCO	Yeast, Brewers Dried Yeast		brewers,	dehydrated	
7-05-519	96.5	IFN AAFCO	Yeast, Grain Distillers Dried Yeast		grain distillers,	dehydrated	
7-05-532	96.6	IFN AAFCO	Yeast, Molasses Distillers Dried Yeast		molasses distillers,	dehydrated	
7-05-534	96.7	IFN AAFCO	Yeast, Torula Dried Yeast		torula,	dehydrated	
7-05-520	96.8	IFN AAFCO	Yeast, Yeast Culture		culture,	dehydrated	
5-14-009	96.9	IFN AAFCO	Sugarcane, Molasses Yeast Condensed Solubles		molasses yeast solubles,	condensed	
7-20-878	96.10	IFN AAFCO	Yeast, Brewers Liquid Yeast		brewers,	liquid	
1. NEW ANIMAL DRUGS							
8-05-558	1.	IFN AAFCO	2-acetylamino-5-nitrothiazole 2-Acetylamino-5-Nitrothiazole				
8-08-068	1.	IFN AAFCO	Aklomide Aklomide				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
8-08-814	1.	IFN AAFCO	Ammonium, chloride, Ammonium Chloride	NH ₄ Cl			
8-00-373	1.	IFN AAFCO	Amprolium Amprolium				
8-00-374	1.	IFN AAFCO	Amprolium-Ethopabate Amprolium and Ethopabate				
8-14-010	1.	IFN AAFCO	Bambermycins Bambermycins				
8-08-103	1.	IFN AAFCO	Buqionlate Buquinolate				
8-20-775	1.	IFN AAFCO	Carbadox Carbadox				
8-08-815	1.	IFN AAFCO	Carbarsone Carbarsone (not U.S.P.)				
8-09-331	1.	IFN AAFCO	Chlormadinone acetate Chlormadinone Acetate				
8-09-330	1.	IFN AAFCO	Chlortetracycline plus sulfamethazine (cattle) Chlortetracycline Plus Sulfamethazine (Cattle)				
8-20-859	1.	IFN AAFCO	Chloreteracycline plus penicillin plus sulfathiazole Chloreteracycline Plus Penicillin Plus Sulfathiazole (Swine) - 512 (m) Exempt				
8-09-328	1.	IFN AAFCO	Clopido1 Clopido1				
8-08-816	1.	IFN AAFCO	Coumaphos Coumaphos				
8-09-371	1.	IFN AAFCO	Decoquinatc Decoquinatc				
8-09-398	1.	IFN AAFCO	Dichlorvos Dichlorvos				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
8-08-066	1.	IFN AAFCO	Dimetridazole Dimetridazole				
8-01-833	1.	IFN AAFCO	Enzymes (except pepsin) Enzymes (Except Pepsin)				
8-08-104	1.	IFN AAFCO	Erythromycin thiocyanate Erythromycin Thiocyanate				
8-09-329	1.	IFN AAFCO	Famphur Famphur				
8-02-075	1.	IFN AAFCO	Furazolidone Furazolidone				
8-08-065	1.	IFN AAFCO	Griseofulvin Griseofulvin				
8-02-415	1.	IFN AAFCO	Hygromycin B (in chicken feeds) Hygromycin B (In Chicken Feeds)				
8-09-829	1.	IFN AAFCO	Ipronidazole Ipronidazole				
8-26-333	1.	IFN AAFCO	Lasalocid sodium Lasalocid Sodium				
8-09-826	1.	IFN AAFCO	Levamisole hydrochloride Levamisole Hydrochloride				
8-09-372	1.	IFN AAFCO	Lincomycin Lincomycin				
8-08-817	1.	IFN AAFCO	Melengestrol acetate Melengestrol Acetate				
8-09-373	1.	IFN AAFCO	Monensin Monensin				
8-09-827	1.	IFN AAFCO	Monensin sodium Monensin Sodium				
8-03-216	1.	IFN AAFCO	Nicarbazin Nicarbazin				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
8-03-236	1.	IFN AAFCO	Nithiazide Nithiazide				
8-05-560	1.	IFN AAFCO	Nitromide Nitromide				
8-03-243	1.	IFN AAFCO	Novobiocin - 512 (m) exempt Novobiocin - 512 (m) Exempt				
8-03-244	1.	IFN AAFCO	Nystatin Nystatin				
8-03-412	1.	IFN AAFCO	Oleandomycin Oleandomycin				
8-09-332	1.	IFN AAFCO	Oxytetracycline (Salmon and Catfish) Oxytetracycline (Salmon and Catfish)				
8-08-063	1.	IFN AAFCO	Poloxalene Poloxalene				
8-14-011	1.	IFN AAFCO	Pyrantel tartrate Pyrantel Tartrate				
8-09-374	1.	IFN AAFCO	Pyrimethamine plus sulfaquinoxaline Pyrimethamine Plus Sulfaquinoxaline				
8-03-908	1.	IFN AAFCO	Reserpine Reserpine				
8-14-012	1.	IFN AAFCO	Robenidine hydrochloride Robenidine Hydrochloride				
8-03-953	1.	IFN AAFCO	Ronnel Ronnel				
8-09-376	1.	IFN AAFCO	Sulfadimethoxine plus ormetoprim Sulfadimethoxine Plus Ormetoprim				
8-08-819	1.	IFN AAFCO	Sulfamerazine (in trout) Sulfamerazine (in Trout)				
8-08-105	1.	IFN AAFCO	Sulfanitran Sulfanitran				

APPENDIX TABLE 5.2 (Cont.)

International feed number	AAFCO number	Kind of name	Facet	Kind or Chem- ical Formula	Part	Process	Grade
			Origin				
2-04-027	1.	IFH AAFCO	Thiabendazole Thiabendazole				
8-05-069	1.	IFH AAFCO	Tylosin Tylosin				
8-09-377	1.	IFH AAFCO	Tylosin plus hygromycin B Tylosin Plus Hygromycin B				
8-09-378	1.	IFH AAFCO	Tylosin plus sulfamethazine Tylosin Plus Sulfamethazine				
8-26-002	1.	IFH AAFCO	Virginiamycin Virginiamycin				
8-05-557	1.	IFH AAFCO	Zoalene Zoalene				
3. CERTIFIABLE ANITBIOTICS							
8-03-001	3.	IFH AAFCO	Penicillin Penicillin (Procaine)				
8-04-084	3.	IFH AAFCO	Streptomycin Streptomycin				
8-01-224	3.	IFH AAFCO	Chlortetracycline Chlortetracycline				
8-01-223	3.	IFH AAFCO	Chloramphenical Chloramphenical				
8-00-456	3.	IFH AAFCO	Bacitracin Bacitracin				
8-00-458	3.	IFH AAFCO	Bacitracin, methylene disalicylate Bacitracin Methylene Disalicylate				
8-00-457	3.	IFH AAFCO	Bacitracin, manganese Manganese bacitracin				
8-00-459	3.	IFH AAFCO	Bacitracin, zinc Zinc bacitracin				

GLOSSARIES

GLOSSARY 6.1 Alphabetic List of Facet 1 Original Material Descriptors
(Scientific Names - Common Names)

α -TOCOPHEROL	α -tocopherol
ACACIA ANGUSTISSIMA	Acacia, prairie
ACACIA FARNESIANA	Acacia, sweet
ACACIA SPP	Acacia
ACER RUBRUM	Maple, red
2-ACETYL-AMINO-5-NITROTHIAZOLE	2-Acetyl-amino-5-nitrothiazole
ACHILLEA MILLEFOLIUM	Yarrow, common
ADENOSTOMA FASCICULATUM	Chamise
AESCULUS HIPPOCASTANUM	Horsechestnut, common
AGROPYRON DESERTORUM	Wheatgrass, crested
AGROPYRON ELONGATUM	Wheatgrass, tall
AGROPYRON INTERMEDIUM	Wheatgrass, intermediate
AGROPYRON REPENS	Quackgrass
AGROPYRON SMITHII	Wheatgrass, western
AGROPYRON SPICATUM	Wheatgrass, bluebunch
AGROPYRON TRACHYCAULUM	Wheatgrass, slender
AGROSTIS ALBA	Redtop
AGROSTIS PALUSTRIS	Bentgrass, creeping
AGROSTIS TENUIS	Bentgrass, colonial
AKLOMIDE	Aklomide
AKLOMIDE PLUS SULFANITRAN	Aklomide plus sulfanitran
ALNUS SPP	Alder
ALOPECURUS PRATENSIS	Foxtail, meadow
ALUMINUM, SULFATE	Aluminum, sulfate
ALYSICARPUS VAGINALIS	Alyceclover
AMBROSIA SPP	Ragweed
AMMONIUM CHLORIDE	Ammonium chloride
AMMONIA, ANHYDROUS	Ammonia, anhydrous
AMMONIUM, PHOSPHATE	Ammonium, phosphate
AMMONIUM, POLYPHOSPHATE SOLUTION	Ammonium, polyphosphate solution
AMMONIUM, SULFATE	Ammonium, sulfate
AMPROLIUM	Amprolium
AMPROLIUM-ETHOPABATE	Amprolium-ethopabate
ANANAS COMOSUS	Pineapple
ANDROPOGON SPP	Bluestem
ANIMAL	Animal
ANIMAL-POULTRY	Animal-poultry
ANIMAL-VEGETABLE	Animal-vegetable
ANTHOXANTHUM ODORATUM	Vernalgrass, sweet
APIUM GRAVEOLENS	Celery, wild
ARACHIS HYPOGAEA	Peanut
ARISTIDA SPP	Threeawn
ARRHENATHERUM ELATIUS	Oatgrass, tall
ARTEMISIA FRIGIDA	Sagebrush, fringed
ARTEMISIA SPINESCENS	Sagebrush, bud
ARTEMISIA TRIDENTATA	Sagebrush, big
ASCLEPIAS SYRIACA	Milkweed, common
ASCORBIC ACID	Ascorbic acid

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

ASCORBYL PALMITATE	Ascorbyl palmitate
ASPARAGUS OFFICINALIS	Asparagus, garden
ASTEROIDEA (CLASS)	Starfish
ATRIPLEX CONFERTIFOLIA	Saltbush, shadscale
ATRIPLEX NUTTALLII	Saltbush, nuttall
AVENA FATUA	Oats, wild
AVENA FATUA-AVENA SATIVA	Oats, wild-oats
AVENA SATIVA	Oats
AVENA SATIVA-PISUM SPP	Oats-pea
AVENA SATIVA-VICIA SPP	Oats-vetch
AVENA SATIVA-VIGNA SPP	Oats-cowpea
AXONOPUS SPP	Carpetgrass
AXYRIS SPP	Pigweed
BACITRACIN	Bacitracin
BACITRACIN, MANGANESE	Bacitracin, manganese
BACITRACIN, METHYLENE DISALICYLATE	Bacitracin, methylene disalicylate
BACITRACIN, ZINC	Bacitracin, zinc
BAKERY	Bakery
BALAENA GLACIALIS-BALAENOPTERA SPP-PHYSETER CATODON	Whale
BALSAMORHIZA SAGITTATA	Balsamroot, arrowleaf
BAMBERMYCINS	Bambermycins
BECKMANNIA SYZIGACHNE	Sloughgrass, American
BENTONITE	Bentonite
BENZOIC ACID	Benzoic acid
BETA VULGARIS ALTISSIMA	Beet, sugar
BETA VULGARIS CRASSA	Beet, common, red
BETA VULGARIS MACRORRHIZA	Beet, mangel
BETAINE HYDROCHLORIDE	Betaine, hydrochloride
BETULA LENTA	Birch, sweet
BIOTIN	Biotin
BIURET	Biuret
BOEMMERIA NIVEA	Ramie
BOS TAURUS	Cattle
BOUTELOUA SPP	Grama
BRACHIARIA MUTICA	Paragrass
BRASSICA KABER	Charlock
BRASSICA NAPUS	Rape
BRASSICA NAPUS ANNUA	Rape, summer
BRASSICA NAPUS NAPOBRASSICA	Mutabaga
BRASSICA OLERACEA ACEPHALA	Kale
BRASSICA OLERACEA BOTRYTIS	Cauliflower
BRASSICA OLERACEA CAPITATA	Cabbage
BRASSICA OLERACEA GEMMIFERA	Brussels sprouts
BRASSICA OLERACEA GONGYLODES	Kohlrabi
BRASSICA OLERACEA ITALICA	Broccoli
BRASSICA RAPA RAPA	Turnip
BRASSICA SPP	Mustard
BREVOORTIA TYRANNUS	Fish, menhaden
BROMUS CATIARTICUS	Brome, rescue
BROMUS INERMIS	Brome, smooth
BROMUS SECALINUS	Brome, chess

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

BROMUS SPP	Brome
BROMUS TECTORUM	Brome, cheatgrass
BUCHLOE DACTYLOIDES	Buffalograss
BUQUINOLATE	Buquinolate
BUTYLATED HYDROXYANISOLE	Butylated hydroxyanisole
BUTYLATED HYDROXYTOLUENE	Butylated hydroxytoluene
CAJANUS CAJAN	Pigeonpea
CALAMAGROSTIS CANADENSIS	Reedgrass, bluejoint
CALCITE	Calcite
CALCIUM, CARBONATE	Calcium, carbonate
CALCIUM, CHLORIDE	Calcium, chloride
CALCIUM, GLUCONATE	Calcium, gluconate
CALCIUM, HYDROXIDE	Calcium, hydroxide
CALCIUM, IODATE	Calcium, iodate
CALCIUM, IODOBEHENATE	Calcium, iodobehenate
CALCIUM, OXIDE	Calcium, oxide
CALCIUM, PANTOTHENATE, CRYSTALLINE	Calcium, pantothenate, crystalline
CALCIUM, PERIODATE	Calcium, periodate
CALCIUM, PHOSPHATE	Calcium, phosphate
CALCIUM, PROPIONATE	Calcium, propionate
CALCIUM, SORBATE	Calcium, sorbate
CALCIUM, STEARATE	Calcium, stearate
CALCIUM, SULFATE	Calcium, sulfate
CALCIUM ASCORBATE	Calcium ascorbate
CALCIUM SILICATE	Calcium silicate
CALLINECTES SAPIDUS-CANCER SPP-PARALITHODES CAMSCHATICA	Crab
CANAVALIA ENSIFORMIS	Jackbean, common
CANNA SPP	Canna
CAPRA HIRCUS	Goat
CAPSICUM SPP	Pepper
CARBADOX	Carbadox
CARBARSONE	Carbarsone
CAREX SPP	Sedge
CAROTENE, CRYSTALLINE	Carotene, crystalline
CARTHAMUS TINCTORIUS	Safflower
CASEIN	Casein
CASTANEA SPP	Chestnut
CEIBA PENTANDRA	Kapok
CELLULOSE	Cellulose
CENCHRUS CILIARIS	Buffelgrass
CERATONIA SILIQUA	Carob bean
CEREALS	Cereals
CEREALS, BREAKFAST	Cereals, breakfast
CEREALS, MIXED	Cereals, mixed
CEREALS-LECUME	Cereals-legume
CEREALS-OIL SEEDS	Cereals-oil seeds
CHALK	Chalk
CHALK, ROCK	Chalk, rock
CHENOPODIUM ALBUM	Goosefoot, lambsquarters
CHLORAMPHENICOL	Chloramphenicol
CHLORIS GAYANA	Rhodesgrass

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

CHLORMADINONE ACETATE	Chlormadinone acetate
CHLORTETRACYCLINE	Chlortetracycline
CHLORTETRACYCLINE PLUS PENICILLIN PLUS SULFATHIAZOLE	Chlortetracycline plus penicillin plus sulfathiazole
CHLORTETRACYCLINE PLUS SULFAMETHAZINE	Chlortetracycline plus sulfamethazine
CHOLINE, CHLORIDE	Choline, chloride
CHOLINE, PANTOTHENATE, CRYSTALLINE	Choline, pantothenate, crystalline
CHOLINE, XANTHATE	Choline, xanthate
CHRYSOTHAMNUS SPP	Rabbitbrush
CHRYSOTHAMNUS STENOPHYLLUS	Rabbitbrush, small
CICER ARIETINUM	Chickpea
CICORIUM SPP	Chicory
CITRIC, ACID	Citric, acid
CITRUS LIMON	Lemon
CITRUS PARADISI	Grapefruit
CITRUS SINENSIS	Orange
CITRUS SPP	Citrus
CLAY, ATTAPULGITE	Clay, attapulgitic
CLAY, BALL	Clay, ball
CLOPIDOL	Clopidol
CLUPEA HARENGUS	Fish, herring
CLUPEA HARENGUS HARENGUS-CLUPEA HARENGUS PALLASI	Fish, herring
CLUPEA SPP-SARDINOPS SPP	Fish, sardine
COBALT, ACETATE	Cobalt, acetate
COBALT, CHLORIDE	Cobalt, chloride
COBALT, CHOLINE CITRATE COMPLEX	Cobalt, choline citrate complex
COBALT, OXIDE	Cobalt, oxide
COBALT, PROTEINATE	Cobalt, proteinate
COBALT, SULFATE	Cobalt, sulfate
COBALTOUS, CARBONATE	Cobaltous, carbonate
COCOS NUCIFERA	Coconut
COFFEA SPP	Coffee
COIX LACRYMAJOB1	Jobstears
COLOCASIA ESCULENTA	Dasheen
COPPER, CHOLINE CITRATE COMPLEX	Copper, choline citrate complex
COPPER, PROTEINATE	Copper, proteinate
COPPER POLYSACCHARIDE COMPLEX	Copper polysaccharide complex
CORNUS FLORIDA	Dogwood, flowering
CORYNEBACTERIUM LILIUM	Glutamic acid
COUMAPHOS	Coumaphos
CRAMBE ABYSSINICA	Crambe, abyssinian
CRASSOSTREA SPP-OSTREA SPP	Oyster
CROTALARIA SPP	Crotalaria
CUCURBITA PEPO	Pumpkin
CUPRIC, CARBONATE	Cupric, carbonate
CUPRIC, CHLORIDE	Cupric, chloride
CUPRIC, GLUCONATE	Cupric, gluconate
CUPRIC, HYDROXIDE	Cupric, hydroxide
CUPRIC, ORTHOPHOSPHATE	Cupric, orthophosphate
CUPRIC, OXIDE	Cupric, oxide
CUPRIC, SULFATE	Cupric, sulfate

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

CUPROUS, IODIDE	Cuprous, iodide
CYAMOPSIS TETRAGONOLOBA	Guar
CYNARA SCOLYMUS	Artichoke, globe
CYNODON DACTYLON	Bermudagrass
CYNODON DACTYLON	Bermudagrass, coastal
CYNODON DACTYLON	Bermudagrass, coastcross
CYNODON DACTYLON	Bermudagrass, midland
CYNODON PLECTOSTACHYUS	Stargrass
CYPERUS ESCULENTUS SATIVUS	Chufa
CYPRINUS CARPIO	Fish, carp
DACTYLIS GLOMERATA	Orchardgrass
DANTHONIA SPICATA	Danthonia, poverty
DASYLIRION SPP	Sotol
DAUCUS SPP	Carrot
DECOQUINATE	Decoquinate
DESMANTHUS VIRGATUS	Bundleflower, rayado
DESMODIUM TORTUOSUM	Beggarweed, cherokee
DIATOMACEOUS, EARTH	Diatomaceous, earth
DICHLORVOS	Dichlorvos
DIGITARIA DECUMBENS	Pangolagrass
DIGITARIA SPP	Crabgrass
DIIDOSALICYLIC, ACID	Diidosalicylic, acid
DILAURYL THIODIPROPIONATE	Dilauryl thiodipropionate
DIMETRIDAZOLE	Dimetridazole
DISODIUM EDTA	Disodium edta
DISTEARYL, THIODIPROPIONATE	Distearyl, thiodipropionate
DISTICHLIS SPP	Saltgrass
DISTICHLIS STRICTA	Saltgrass, desert
DL-LYSINE	DL-lysine
DL-METHIONINE	DL-methionine
DL-METHIONINE, HYDROXY ANALOG	DL-methionine, hydroxy analog
DL-METHIONINE, HYDROXY ANALOG CALCIUM	DL-methionine, hydroxy analog calcium
DL-TRYPTOPHAN	DL-tryptophan
DOLICHOS LABLAB	Dolichos, hyacinth
ECHINOCHLOA CRUSGALLI	Barnyardgrass
ECHINOCHLOA CRUSGALLI-GLYCINE MAX	Barnyardgrass-soybean
ELAEIS SPP	Palm
ELYMUS JUNCEUS	Wildrye, Russian
ENGRAULIS RINGEN	Fish, anchoveta
ENZYMES (EXCEPT PEPSIN)	Enzymes (except pepsin)
EPHEDRA SPP	Ephedra
EQUUS CABALLUS	Horse
ERAGROSTIS SPP	Lovegrass
EREMOCHLOA OPHIUROIDES	Centipedeagrass
ERODIUM CICUTARIUM	Alfileria, redstem
ERYTHORBIC ACID	Erythorbic acid
ERYTHROMYCIN THIOCYANATE	Erythromycin thiocyanate
ETHOXYQUIN	Ethoxyquin
ETHYL CELLULOSE	Ethyl cellulose
ETHYLENEDIAMINE, DIHYDROIODIDE	Ethylenediamine, dihydroiodide
EUCHLAENA SPP	Teosinte
EUROTIA LANATA	Winterfat, common

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

FAGOPYRUM SAGITTATUM	Buckwheat, common
FAGOPYRUM SPP	Buckwheat
FAGUS SPP	Beech
FAMPHUR	Famphur
FERRIC, AMMONIUM CITRATE	Ferric, ammonium citrate
FERRIC, CHLORIDE	Ferric, chloride
FERRIC, CHOLINE CITRATE COMPLEX	Ferric, choline citrate complex
FERRIC, FORMATE	Ferric, formate
FERRIC, OXIDE	Ferric, oxide
FERRIC, PHOSPHATE	Ferric, phosphate
FERRIC, PYROPHOSPHATE	Ferric, pyrophosphate
FERRIC, SULFATE	Ferric, sulfate
FERROUS, CARBONATE	Ferrous, carbonate
FERROUS, CHLORIDE	Ferrous, chloride
FERROUS, FUMARATE	Ferrous, fumarate
FERROUS, GLUCONATE	Ferrous, gluconate
FERROUS, SULFATE	Ferrous, sulfate
FESTUCA ARUNDINACEA	Fescue, alta
FESTUCA ARUNDINACEA	Fescue, Kentucky 31
FESTUCA ELATIOR	Fescue, meadow
FESTUCA SPP	Fescue
FISH	Fish
FOENICULUM VULGARE	Fennel
FOLIC, ACID, CRYSTALLINE	Folic, acid, crystalline
FOOD WASTE	Food waste
FORMALDEHYDE SOLUTION	Formaldehyde solution
FORMIC ACID	Formic acid
FRAXINUS SPP	Ash
FURAZOLIDONE	Furazolidone
GADIDAE (FAMILY)-LOPHIIDAE (FAMILY) -RAJIDAE (FAMILY)	Fish, white
GADUS MORRHUA-GADUS MACROCEPHALUS	Fish, cod
GALLUS DOMESTICUS	Chicken
GALLUS DOMESTICUS	Chicken, broilers
GALLUS DOMESTICUS	Chicken, hens
GARBAGE	Garbage
GARBAGE, HOTEL AND RESTAURANT	Garbage, hotel and restaurant
GELATIN	Gelatin
GLYCINE	Glycine
GLYCINE MAX	Soybean
GLYCINE MAX-SETARIA SPP	Soybean-millet
GLYCINE MAX-SORGHUM BICOLOR SUDANENSE	Soybean-sorghum, sudangrass
GLYCYRRHIZIN	Glycyrrhizin
GOSSYPIUM SPP	Cotton
GOSSYPIUM SPP	Cotton, glandless
GRASS	Grass
GRASS-LEGUME	Grass-legume
GRISEOFULVIN	Griseofulvin
HELIANTHUS ANNUUS	Sunflower, common
HELIANTHUS SPP	Sunflower
HEMICELLULOSE EXTRACT	Hemicellulose extract
HEVEA BRASILIENSIS	Rubbertree, para

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

HILARIA BELANGERI	Curlymesquite
HILARIA JAMESII	Galleta
HILARIA MUTICA	Tobosa
HORDEUM LEPORINUM	Barleygrass
HORDEUM VULGARE	Barley
HUMULUS LUPULUS	Hop, common
HYDROCHLOA CAROLINIENSIS	Watergrass
HYGROMYCIN B (IN CHICKEN FEEDS)	Hygromycin B (in chicken feeds)
ICTALURUS SPP	Fish, catfish
INDIGOFERA SPP	Indigo
INOSITOL	Inositol
IPOMOEA BATATAS	Sweetpotato
IPRONIDAZOLE	Ipronidazole
IRON, PROTEINATE	Iron, proteinate
IRON, REDUCED	Iron, reduced
IRON POLYSACCHARIDE COMPLEX	Iron polysaccharide complex
JUNCUS GERARDII	Rush, saltmeadow
JUNCUS SPP	Rush
KAOLIN	Kaolin
KOCHIA SCOPARIA	Summercypress, belvedere
KOCHIA VESTITA	Summercypress, gray
KOELERIA CRISTATA	Junegrass
L-LYSINE	L-lysine
L-THREONINE	L-threonine
LACTOSYLUREA	Lactosylurea
LACTUCA SATIVA	Lettuce
LAMINARIALES (ORDER)-FUCALES (ORDER)	Seaweed, kelp
LATHYRUS SPP	Peavine
LATHYRUS SYLVESTRIS	Flatpea
LECITHIN	Lecithin
LEGUME-GRASS	Legume-grass
LENS CULINARIS	Lentil, common
LESPEDEZA CUNEATA	Lespedeza, Chinese
LESPEDEZA SPP	Lespedeza
LESPEDEZA STIPULACEA	Lespedeza, Korean
LESPEDEZA STRIATA	Lespedeza, common
LESPEDEZA STRIATA-LESPEDEZA STIPULACEA	Lespedeza, common-lespedeza, Korean
LEUCAENA GLAUCA	Leadtrees, whitepopinac
LEVAMISOLE HYDROCHLORIDE	Levamisole hydrochloride
LICHEN PLANUS	Lichen
LIGNIN SULFONATE	Lignin sulfonate
LIMESTONE	Limestone
LIMESTONE, MAGNESIUM	Limestone, magnesium
LINCOMYCIN	Lincomycin
LINCOMYCIN HYDROCHLORIDE	Lincomycin hydrochloride
LINUM SPP	Flax
LINUM USITATISSIMUM	Flax, common
LOLIUM MULTIFLORUM	Ryegrass, Italian
LOLIUM PERENNE	Ryegrass, perennial
LOLIUM SPP	Ryegrass
LONICERA JAPONICA	Honeysuckle, Japanese
LOTUS CORNICULATUS	Trefoil, birdsfoot

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

LOTUS ULIGINOSUS	Trefoil, big
LUPINUS ALBUS	Lupine, white
LUPINUS LUTEUS	Lupine, yellow, sweet
LYCOPERSICON ESCULENTUM	Tomato
MAGNESIUM, CARBONATE	Magnesium, carbonate
MAGNESIUM, CHLORIDE	Magnesium, chloride
MAGNESIUM, HYDROXIDE	Magnesium, hydroxide
MAGNESIUM, OXIDE	Magnesium, oxide
MAGNESIUM, PROTEINATE	Magnesium, proteinate
MAGNESIUM, SULFATE	Magnesium, sulfate
MALUS SPP	Apple
MANGANESE, ACETATE	Manganese, acetate
MANGANESE, DIOXIDE	Manganese, dioxide
MANGANESE, ORTHOPHOSPHATE	Manganese, orthophosphate
MANGANESE, PHOSPHATE	Manganese, phosphate
MANGANOUS, CARBONATE	Manganous, carbonate
MANGANOUS, CHLORIDE	Manganous, chloride
MANGANOUS, CITRATE	Manganous, citrate
MANGANOUS, GLUCONATE	Manganous, gluconate
MANGANOUS, OXIDE	Manganous, oxide
MANGANOUS, SULFATE	Manganous, sulfate
MANIHOT ESCULENTA	Cassava, common
MANIHOT SPP	Cassava
MARSH PLANTS	Marsh plants
MEADOW PLANTS, INTERMOUNTAIN	Meadow plants, intermountain
MEDICAGO HISPIDA	Burclover, toothed
MEDICAGO LUPULINA	Medic, black
MEDICAGO SATIVA	Alfalfa
MEDICAGO SATIVA-BROMUS INERMIS	Alfalfa-brome, smooth
MEDICAGO SATIVA-BROMUS SPP	Alfalfa-brome
MEDICAGO SATIVA-DACTYLIS GLOMERATA	Alfalfa-orchardgrass
MEDICAGO SATIVA-GRASS	Alfalfa-grass
MEDICAGO SATIVA-PHLEUM PRATENSE	Alfalfa-timothy
MELEAGRIS GALLOPAVO	Turkey
MELENGESTROL ACETATE (MGA)	Melengestrol acetate (MGA)
MELICA IMPERFECTA	Melic, coastrange
MELILOTUS OFFICINALIS	Sweetclover, yellow
MELINIS MINUTIFLORA	Molassesgrass
MENADIONE DIMETHYLPYRIMIDINAL BISULFITE	Menadione dimethylpyrimidinal bisulfite
MENADIONE SODIUM BISULFITE	Menadione sodium bisulfite
MENADIONE SODIUM BISULFITE COMPLEX	Menadione sodium bisulfite complex
MENTHA SPP	Mint
MERCENARIA MERCENARIA-MYA ARENARIA -SILIQUA PATULA	Clam
MERLUCCIUS SPP-UROPHYCIS SPP	Fish, hake
MERTENSIA SPP	Bluebell
METHYLPARABEN	Methylparaben
MINERAL OIL	Mineral oil
MOLLUSKS	Mollusks
MONENSIN	Monensin
MONENSIN SODIUM	Monensin sodium
MONOSODIUM GLUTAMATE	Monosodium glutamate

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

MONTMORILLONITE, CLAYS	Montmorillonite, clays
MUCUNA SPP	Velvetbean
MUHLENBERGIA PORTERI	Muhly, bush
MUSA SPP	Banana
NEQUINATE	Nequinatate
NIACIN SUPPLEMENT	Niacin supplement
NIACINAMIDE	Niacinamide
NICARBAZIN	Nicarbazin
NICOTINIC, ACID	Nicotinic, acid
NIHYDRAZONE	Nihydrazone
NITHIAZIDE	Nithiazide
NITROMIDE	Nitromide
4-NITROPHENYL-ARSONIC, ACID	4-Nitrophenyl-arsonic, acid
NOVOBIOCIN	Novobiocin
NYSTATIN	Nystatin
OLEA EUROPAEA	Olive
OLEANDOMYCIN	Oleandomycin
ONCORHYNCHUS SPP	Fish, salmon
ONCORHYNCHUS SPP-SALMO SPP	Fish, salmon
ONOBRYCHIS SPP	Sainfoin
OPUNTIA CHOLLA	Cholla, mexicali
OPUNTIA SPP	Pricklypear
ORBIGNYA SPP	Babassu
ORNITHOPUS SATIVUS	Serradella, common
ORYZA SATIVA	Rice
ORYZOPSIS HYMENOIDES	Ricegrass, Indian
OVIS ARIES	Sheep
OXYTETRACYCLINE	Oxytetracycline
P-AMINOBENZOIC ACID	P-aminobenzoic acid
PANDALUS SPP-PENAEUS SPP	Shrimp
PANICUM MAXIMUM	Guineagrass
PANICUM MILIACEUM	Millet, proso
PANICUM OBTUSUM	Vine-mesquite
PANICUM SPP	Panicum
PANICUM VIRGATUM	Switchgrass
PAPAVER SPP	Poppy
PAPER, WASTE	Paper, waste
PAPER, WASTE, CORRUGATED	Paper, waste, corrugated
PARAFFIN	Paraffin
PASPALUM DILATATUM	Dallisgrass
PASPALUM ROTATUM	Bahiagrass
PASPALUM SPP	Paspalum
PASPALUM URVILLEI	Vaseygrass
PASTINACA SATIVA	Parsnip, garden
PENICILLIUM SPP	Penicillin
PENNISSETUM CLANDESTINUM	Kikuyugrass
PENNISSETUM GLAUCUM	Pearlmillet
PENNISSETUM PURPUREUM	Napierrgrass
PERILLA FRUTESCENS	Perilla, common
PERLITE	Perlite
PERSEA SPP	Avocado
PETROLATUM	Petrolatum

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

PETROLEUM JELLY	Petroleum jelly
PHALARIS ARUNDINACEA	Canarygrass, reed
PHALARIS CANARIENSIS	Canarygrass
PHALARIS TUBEROSA STENOPTERA	Hardinggrass
PHASEOLUS ACUTIFOLIUS LATIFOLIUS	Bean, tepary
PHASEOLUS AUREUS	Bean, mung
PHASEOLUS LIMENSIS	Bean, lima
PHASEOLUS SPP	Bean
PHASEOLUS VULGARIS	Bean, kidney
PHASEOLUS VULGARIS	Bean, navy
PHASEOLUS VULGARIS	Bean, pinto
PHLEUM PRATENSE	Timothy
PHLEUM PRATENSE-TRIFOLIUM SPP	Timothy-clover
PHOENIX DACTYLIFERA	Palm, date
PHOSPHATE	Phosphate
PHOSPHORIC, ACID	Phosphoric, acid
PHYTELEPHAS MACROCARPA	Ivorypalm, common
PIMPINELLA ANISUM	Anise
PISUM SATIVUM ARVENSE	Pea, field
PISUM SATIVUM SATIVUM	Pea, garden
PISUM SPP	Pea
PISUM SPP-AVENA SATIVA	Pea-oats
PLANT	Plant
POA COMPRESSA	Bluegrass, Canada
POA FENDLERIANA	Bluegrass, mutton
POA PALUSTRIS	Bluegrass, fowl
POA PRATENSIS	Bluegrass, Kentucky
POA PRATENSIS-TRIFOLIUM REPENS	Bluegrass, Kentucky-clover, white
POA SPP	Bluegrass
POA SPP-TRIFOLIUM REPENS	Bluegrass-clover, white
POLOXALENE	Poloxalene
POLYETHYLENE	Polyethylene
POLYETHYLENE GLYCOL (400) MONO AND DIOLEATE	Polyethylene glycol (400) mono and diolate
POLYOXY-ETHYLENE GLYCOL (400) MONO AND DIOLEATES	Polyoxy-ethylene glycol (400) mono and dioleates
POLYSORBATE 60 (POLYOXY-ETHYLENE (20) SORBITAN MONOSTEARATE)	Polysorbate 60 (polyoxy-ethylene (20) sorbitan monostearate)
POLYSORBATE 80	Polysorbate 80
POMOLOBUS PSEUDOHARENGUS	Fish, alewife
POPULUS SPP	Aspen
POPULUS TREMULOIDES	Aspen, quaking
POPULUS TREMULOIDES-POPULUS GRANDIDENTATA	Aspen, quaking-aspen, large-toothed
POTASSIUM, BICARBONATE	Potassium, bicarbonate
POTASSIUM, CARBONATE	Potassium, carbonate
POTASSIUM, CHLORIDE	Potassium, chloride
POTASSIUM, CITRATE	Potassium, citrate
POTASSIUM, HYDROXIDE	Potassium, hydroxide
POTASSIUM, IODATE	Potassium, iodate
POTASSIUM, IODIDE	Potassium, iodide
POTASSIUM, SORBATE	Potassium, sorbate
POTASSIUM, SULFATE	Potassium, sulfate

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

POTASSIUM BISULFITE	Potassium bisulfite
POTASSIUM METABISULFITE	Potassium metabisulfite
POULTRY	Poultry
PRAIRIE PLANTS, MIDWEST	Prairie plants, midwest
PROPIONIC ACID	Propionic acid
PROPYL GALLATE	Propyl gallate
PROPYLENE GLYCOL	Propylene glycol
PROPYLENE GLYCOL, ALGINATE	Propylene glycol, alginate
PROPYLPARABEN	Propylparaben
PROSOPIS CHILENSIS	Mesquite, common
PRUNUS AMYGDALUS	Almond
PSETTA MAXIMA	Fish, turbot
PUERARIA SPP	Kudzu
PURSHIA TRIDENTATA	Bitterbrush, antelope
PYRANTEL TARTRATE	Pyrantel tartrate
PYRIDOXINE, HYDROCHLORIDE	Pyridoxine, hydrochloride
PYRIMETHAMINE PLUS SULFAQUINOXALINE	Pyrimethamine plus sulfaquinoxaline
PYROPHYLLITE	Pyrophyllite
PYRUS SPP	Pear
QUERCUS SPP	Oak
QUERCUS VIRGINIANA	Oak, live
RESERPINE	Reserpine
RESIN, GUAIAIC	Resin, guaiac
RHUS SPP	Sumac
RHYNCHELYTRUM ROSEUM	Natalgrass
RIBOFLAVIN, CRYSTALLINE	Riboflavin, crystalline
RIBOFLAVIN, SUPPLEMENT	Riboflavin, supplement
RICINUS COMMUNIS	Castorbean
ROBENIDINE HYDROCHLORIDE	Robenidine hydrochloride
ROBINIA NEOMEXICANA	Locust, New Mexico
ROCK, PHOSPHATE	Rock, phosphate
RONNEL	Ronnel
ROXARSONE	Roxarsone
ROYSTONEA SPP	Palm, royal
RUMEX CRISPIUS	Dock, curly
SACCHARIN, SODIUM	Saccharin, sodium
SACCHAROMYCES CEREVISIAE	Yeast, active
SACCHAROMYCES CEREVISIAE	Yeast, brewers
SACCHAROMYCES CEREVISIAE	Yeast, culture
SACCHAROMYCES CEREVISIAE	Yeast, grain distillers
SACCHAROMYCES CEREVISIAE	Yeast, irradiated
SACCHAROMYCES CEREVISIAE	Yeast, molasses distillers
SACCHAROMYCES CEREVISIAE	Yeast, primary
SACCHARUM OFFICINARUM	Sugarcane
SALIX SPP	Willow
SALSOLA KALI TENUIFOLIA	Russianthistle, tumbling
SALT	Salt
SALVIA MELLIFERA	Sage, black
SARCOBATUS SPP	Greasewood
SCENEDESMUS QUADRICAUDA	Algae, green
SCIAENOPS OCELLATA	Fish, redfish
SCLEROPOGON BREVIFOLIUS	Burrograss

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

SCOMBER SCOMBRUS	Fish, mackerel, atlantic
SECALE CEREALE	Rye
SELACHII (ORDER)	Fish, shark
SENECIO SERRA	Groundsel, butterweed
SESAMUM INDICUM	Sesame
SETARIA ITALICA	Millet, foxtail
SETARIA SPP	Bristlegrass
SETARIA SPP	Millet
SHALE, GYPSIFERROUS	Shale, gypsiferrous
SILICON, DIOXIDE	Silicon, dioxide
SITANION SPP	Squirreltail
SMECTITE-VERMICULITE	Smectite-vermiculite
SODIUM, BENTONITE	Sodium, bentonite
SODIUM, BENZOATE	Sodium, benzoate
SODIUM, BICARBONATE	Sodium, bicarbonate
SODIUM, CARBONATE	Sodium, carbonate
SODIUM, HEXAMETAPHOSPHATE	Sodium, hexametaphosphate
SODIUM, IODIDE	Sodium, iodide
SODIUM, LASALOCID	Sodium, lasalocid
SODIUM, NITRITE	Sodium, nitrite
SODIUM, PHOSPHATE	Sodium, phosphate
SODIUM, PROPIONATE	Sodium, propionate
SODIUM, SELENATE	Sodium, selenate
SODIUM, SELENITE	Sodium, selenite
SODIUM, SORBATE	Sodium, sorbate
SODIUM, STEAROYL-2-LACTYLATE	Sodium, stearoyl-2-lactylate
SODIUM, SULFATE	Sodium, sulfate
SODIUM, TRIPOLYPHOSPHATE	Sodium, tripolyphosphate
SODIUM ASCORBATE	Sodium ascorbate
SODIUM DISULFITE	Sodium bisulfite
SODIUM CARBOXYMETHYL CELLULOSE	Sodium carboxymethyl cellulose
SODIUM METABISULFITE	Sodium metabisulfite
SODIUM SILICO ALUMINATE	Sodium silico aluminate
SODIUM SULFITE	Sodium sulfite
SOLANUM TUBEROSUM	Potato
SOLEIDAE (FAMILY)	Fish, sole
SOLIDAGO SPP	Goldenrod
SOLKA FLOC	Solka floc
SORBIC, ACID	Sorbic, acid
SORBITAN MONOSTEARATE WITH OR WITHOUT POLYSORBATE 60	Sorbitan monostearate with or without polysorbate 60
SORGHASTRUM SPP	Indiangrass
SORGHUM BICOLOR	Sorghum
SORGHUM BICOLOR	Sorghum, atlas
SORGHUM BICOLOR	Sorghum, darso
SORGHUM BICOLOR	Sorghum, kalo
SORGHUM BICOLOR	Sorghum, sagrain
SORGHUM BICOLOR CAFFRORUM	Sorghum, hegari
SORGHUM BICOLOR CAFFRORUM	Sorghum, kafir
SORGHUM BICOLOR CAUDATUM	Sorghum, feterita
SORGHUM BICOLOR DURRA	Sorghum, durra
SORGHUM BICOLOR NERVOSUM	Sorghum, kaoliang

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

SORGHUM BICOLOR ROXBURGHII	Sorghum, shallu
SORGHUM BICOLOR SACCHARATUM	Sorghum, sorgo
SORGHUM BICOLOR SCHROCK	Sorghum, schrock
SORGHUM BICOLOR SUBGLABRESCENS	Sorghum, milo
SORGHUM BICOLOR SUDANENSE	Sorghum, sudangrass
SORGHUM BICOLOR-VIGNA SPP	Sorghum-cowpea
SORGHUM HALEPENSE	Sorghum, johnsongrass
SPARTINA SPP	Cordgrass
SPHAGNUM SPP	Moss, sphagnum
SPINACIA OLERACEA	Spinach
SPONGEOCOCCUM SPP	Algae
SPOROBOLUS AIROIDES	Alkali sacaton
SPOROBOLUS CRYPTANDRUS	Dropseed, sand
STANNOUS CHLORIDE	Stannous chloride
STARCH-UREA PRODUCT	Starch-urea product
STARCH-UREA PRODUCT LIQUID	Starch-urea product liquid
STENOTAPHRUM SECUNDATUM	Saint augustinegrass
STIPA COMATA	Needleandthread
STIPA SPP	Needlegrass
STREPTOMYCES SPP	Streptomycin
SUGAR FOODS	Sugar foods
SULFADIMETHOXINE PLUS ORMETOPRIM	Sulfadimethoxine plus ormetoprim
SULFAMERAZINE	Sulfamerazine
SULFANILIMDE	Sulfanilimde
SULFANITRAN	Sulfanitran
SULFAQUINOXALINE	Sulfaquinoxaline
SULFATHIAZOLE	Sulfathiazole
SULFUR	Sulfur
SULFUR, DIOXIDE	Sulfur, dioxide
SUS SCROFA	Swine
SYMPHORICARPOS SPP	Snowberry
SYMPHYTUM ASPERRIMUM	Comfrey, prickly
TAGETES ERECTA	Marigold, aztec
TARAXACUM OFFICINALE	Dandelion, common
TAURINE	Taurine
TETRASODIUM PYROPHOSPHATE	Tetrasodium pyrophosphate
THEOBROMA CACAO	Cacao
THIABENDAZOLE	Thiabendazole
THIAMINE, HYDROCHLORIDE, CRYSTALLINE	Thiamine, hydrochloride, crystalline
THIAMINE, MONONITRATE	Thiamine, mononitrate
THIODIPROPIONIC, ACID	Thiodipropionic, acid
THUNNUS THYNNUS-THUNNUS ALBACARES	Fish, tuna
THYMOL, IODIDE	Thymol, iodide
TILLANDSIA USNEOIDES	Spanishmoss
TITANIUM, DIOXIDE	Titanium, dioxide
TOCOPHEROLS	Tocopherols
TORULOPSIS UTILIS	Yeast, torula
TRICHACHNE CALIFORNICA	Cottontop, Arizona
TRIFOLIUM AGRARIUM	Clover, hop
TRIFOLIUM ALEXANDRINUM	Clover, Egyptian
TRIFOLIUM FRAGIFERUM	Clover, strawberry
TRIFOLIUM HYBRIDUM	Clover, alsike

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

TRIFOLIUM INCARNATUM	Clover, crimson
TRIFOLIUM INCARNATUM-LOLIUM SPP	Clover, crimson-ryegrass
TRIFOLIUM PRATENSE	Clover, red
TRIFOLIUM PRATENSE-GRASS	Clover, red-grass
TRIFOLIUM REPENS	Clover, ladino
TRIFOLIUM REPENS	Clover, white
TRIFOLIUM REPENS-GRASS	Clover, ladino-grass
TRIFOLIUM RESUPINATUM	Clover, Persian
TRIFOLIUM SPP-GRASS	Clover-grass
TRIFOLIUM SPP-PHLEUM PRATENSE	Clover-timothy
TRIFOLIUM SUBTERRANEUM	Clover, subterranean
TRIGONELLA FOENUM-GRAECUM	Fenugreek
TRIPSACUM DACTYLOIDES	Gamagrass, eastern
TRIPSACUM SPP	Gamagrass
TRITICALE HEXAPLOIDE	Triticale
TRITICUM AESTIVUM	Wheat
TRITICUM AESTIVUM	Wheat, hard red spring
TRITICUM AESTIVUM	Wheat, hard red winter
TRITICUM AESTIVUM	Wheat, soft red winter
TRITICUM AESTIVUM	Wheat, soft white winter
TRITICUM COMPACTUM	Wheat, white club
TRITICUM DICOCCUM	Emmer
TRITICUM DURUM	Wheat, durum
TRITICUM SPELTA	Spelt
TYLOSIN	Tylosin
TYLOSIN PLUS HYGROMYCIN B	Tylosin plus hygromycin B
TYLOSIN PLUS SULFAMETHAZINE	Tylosin plus sulfamethazine
TYPHA ANGUSTIFOLIA	Cattail, narrowleaf
ULEX EUROPAEUS	Gorse, common
UREA	Urea
UREA CONDITIONER ADDED	Urea conditioner added
UREA FORMALDEHYDE	Urea formaldehyde
VEGETABLE	Vegetable
VERBENA OFFICINALIS	Verbena, European
VERXITF	Verxite
VICIA FABAE EQUINA	Horsebean
VICIA SATIVA	Vetch, common
VICIA SPP	Vetch
VICIA SPP-AVENA SATIVA	Vetch-oats
VICIA SPP-TRITICUM AESTIVUM	Vetch-wheat
VICIA VILLOSA	Vetch, hairy
VIGNA SINENSIS	Cowpea, common
VIRGINIAMYCIN	Virginiamycin
VITAMIN A	Vitamin A
VITAMIN A, ACETATE	Vitamin A, acetate
VITAMIN A, PALMITATE	Vitamin A, palmitate
VITAMIN A, PROPIONATE	Vitamin A, propionate
VITAMIN A, SUPPLEMENT	Vitamin A, supplement
VITAMIN A AND D	Vitamin A and D
VITAMIN B ₁₂ , SUPPLEMENT	Vitamin B ₁₂ , supplement
VITAMIN D	Vitamin D
VITAMIN D ₂ , SUPPLEMENT	Vitamin D ₂ , supplement

GLOSSARY 6.1 Scientific Names - Common Names (Cont.)

VITAMIN D ₃ , SUPPLEMENT	Vitamin D ₃ , supplement
VITAMIN E, SUPPLEMENT	Vitamin E, supplement
VITIS SPP	Grape
WOOD	Wood
YELLOW PRUSSATE OF SODA	Yellow prussiate of soda
YUCCA GLAUCA	Soapweed
YUCCA SMALLIANA	Beargrass
ZEA MAYS	Maize
ZEA MAYS	Maize, opaque 2
ZEA MAYS EVERTA	Maize, pop
ZEA MAYS INDENTATA	Maize, dent white
ZEA MAYS INDENTATA	Maize, dent yellow, opaque 2
ZEA MAYS INDENTATA	Maize, dent yellow
ZEA MAYS INDURATA	Maize, flint
ZEA MAYS SACCHARATA	Maize, sweet
ZEA MAYS-GLYCINE MAX	Maize-soybean
ZEA MAYS-HELIANTHUS SPP	Maize-sunflower
ZEA MAYS-SORGHUM BICOLOR	Maize-sorghum
ZINC, ACETATE	Zinc, acetate
ZINC, CARBONATE	Zinc, carbonate
ZINC, CHLORIDE	Zinc, chloride
ZINC, OXIDE	Zinc, oxide
ZINC, PROTEINATE	Zinc, proteinate
ZINC, SULFATE	Zinc, sulfate
ZINC POLYSACCHARIDE COMPLEX	Zinc polysaccharide complex
ZINGIBER OFFICINALE	Ginger
ZOALENE	Zoalene

GLOSSARY 6.2 Definitions of Part Descriptors (Facet 2) in the International Feed Descriptions

PLEASE READ BEFORE USING GLOSSARY 6.2

To assist in identification, all descriptors mentioned from Facet 1 and 3 and all non-descriptor terms used in the International Feed Names are capitalized in this Glossary. All other terms are shown in lower case. In cases where descriptors are in common usage and well understood, no definitions are given. In most cases where products are combined (MEAT WITH BONE) or are derived from consecutive processes, reference is made to each independent descriptor for further clarification (i.e. BOILED DEHYDRATED GROUND--see BOILED; see DEHYDRATED; see GROUND).

To avoid the use of duplicate descriptors, some common terms are listed with reference to the correct descriptor to be used (i.e. glands use GLAND TISSUE).

Descriptors that are changed or deleted when used in the International Feed Names are also given (i.e. AERIAL PART, this descriptor is deleted; for MEAT OIL RESIDUE use MEAT).

Facet 4 (stage of maturity) and 5 (cutting) are always included in the International Feed Description whenever the information is available. Facet 4 applies to most forage crops and some animals. Facet 5 applies to forage crops that are cut and stored or cut and fed in a fresh (or wilted) state. See Glossaries 6.4 and 6.5 for a complete list of stage of maturity descriptors.

Facet 6 (grade descriptors) are used with many different feeds to indicate percentages, protein and crude fiber limits and in some cases to specify the official grade. These descriptors should be included in the feed description when applicable. See Glossary 6.6 for a complete list of grade descriptors currently being used.

All of the facets (descriptors) listed in this Glossary have been used in various combinations in composing feed descriptions. This does not, however, preclude the fact that other facet (descriptor) combinations can and will be used in describing feeds as they are identified and more completely defined.

ACID WHEY: Liquid residue of acidified milk after precipitation of casein by acid.

Used with Facet 1 mammals

Facet 3 FRESH, DEHYDRATED, CONDENSED, ACID PRECIPITATED
DEHYDRATED, ACID PRECIPITATED ON ROLLERS, ACID
PRECIPITATED NEUTRALIZED DEHYDRATED, ACID PRECIPITATED
SPRAY DEHYDRATED, NEUTRALIZED DEHYDRATED ON ROLLERS,
NEUTRALIZED FRESH, SPRAY DEHYDRATED

See WHEY

GLOSSARY 6.2 (Cont.)

AERIAL PART: Above ground part of plants which have roots, except trees and shrubs (for those use BROWSE), for mosses and algae use WHOLE. It is also used for stems with leaves except for trees and shrubs; for these plants use BROWSE. This part includes all elements present at the stage of maturity which are present, if available, by a descriptor of Facet 4 stage of maturity (see Glossary 6.4). Examples are: CLOVER, AERIAL PART, EARLY BLOOM, SUN-CURED; SUNFLOWER, AERIAL PART, DOUGH STAGE (plant would be in head).

Used with Facet 1 plants excluding trees, shrubs, mosses, algae
Facet 3 FRESH, DEHYDRATED, SUN-CURED, ENSILED, WILTED, etc.
(Many process descriptors are used with AERIAL PART)

For International Feed Name delete AERIAL PART

AERIAL PART AIV PRESERVATIVE ADDED: Aerial part with hydrochloric and sulphuric acid as a preservative.

Used with Facet 1 fodder plants
Facet 3 ENSILED

See AERIAL PART; see AIV PRESERVATIVE

AERIAL PART AND BROWSE: Parts of at least two different origins the first being forage plants the latter being trees, shrubs or woody vines.

Used with Facet 1 forage plants/trees, shrubs and/or woody vines
Facet 3 FRESH

See AERIAL PART; see BROWSE

AERIAL PART AND FRUIT: Two different parts of two different kinds of plants.

Used with Facet 1 plants excluding trees and shrubs/plants bearing fruit.
Facet 3 ENSILED, etc.

See AERIAL PART; see FRUIT

AERIAL PART AND LEAVES: Two different parts of two different kinds of plants.

Used with Facet 1 plants excluding trees and/or shrubs.
Facet 3 ENSILED, etc.

See AERIAL PART; See LEAVES

AERIAL PART AND STRAW: Two different parts of two different kinds of plants.

Used with Facet 1 plants excluding trees and shrubs
Facet 3 ENSILED

See AERIAL PART; see STRAW

AERIAL PART AND STUBBLE: Two different kinds of plants.

Used with Facet 1 plants excluding trees and shrubs/plants producing stubble (e.g. legumes and cereals)

Facet 3 FRESH, SUN-CURED, ENSILED, etc.

See AERIAL PART; see STUBBLE

AERIAL PART AND TUBERS: Two different parts of two different kinds of plants.

Used with Facet 1 plants excluding trees and shrubs/plants bearing tubers (e.g. legumes and potatoes)

Facet 3 ENSILED

See AERIAL PART; see TUBERS

GLOSSARY 6.2 (Cont.)

AERIAL PART BACITRACIN PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART BARLEY GRAIN ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see GRAIN

AERIAL PART BIOSIL PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART CALCIUM CARBONATE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART CEREAL GRAIN ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see GRAIN

AERIAL PART CITRUS POMACE FINES ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see POMACE FINES

AERIAL PART DRIED WHEY ADDED LACTIC ACID BACTERIA PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART FORMIC ACID PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART HYDROCHLORIC ACID PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART LIMESTONE PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART MAIZE EARS GROUND ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see EARS

AERIAL PART MAIZE GRAIN ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see GRAIN

GLOSSARY 6.2 (Cont.)

AERIAL PART MAIZE GRAIN GROUND ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see GRAIN

AERIAL PART MAIZE GRITS BY-PRODUCT ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see GRITS BY-PRODUCT

AERIAL PART MOLASSES ADDED: Plant material and molasses.

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see MOLASSES

AERIAL PART MOLASSES ADDED ACID PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

See AERIAL PART; see MOLASSES

AERIAL PART OIL RESIDUE: Plant residue after removal of ethereal oils.

Used with Facet 1 ALFALFA, CYMBIPOGON

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND,
EXTRACTION UNSPECIFIED GROUND

See AERIAL PART

For International Feed Name delete AERIAL PART OIL RESIDUE

AERIAL PART PHOSPHORIC ACID PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART PHOSPHORUS PENTACHLORIDE PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART SALT PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART SODIUM BISULFATE PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART SODIUM BISULFITE PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

AERIAL PART SODIUM METABISULFITE PRESERVATIVE ADDED:

Used with Facet 1 forage plants
Facet 3 ENSILED

GLOSSARY 6.2 (Cont.)

AERIAL PART SUGAR ADDED: Usually two different kinds of plants.

Used with Facet 1 forage plants

Facet 3 ENSILED

See AERIAL PART; see SUGAR

AERIAL PART SULFUR DIOXIDE PRESERVATIVE ADDED:

Used with Facet 1 forage plants

Facet 3 ENSILED

AERIAL PART UREA ADDED:

Used with Facet 1 forage plants

Facet 3 ENSILED

AERIAL PART UREA ADDED CALCIUM CARBONATE ADDED:

Used with Facet 1 forage plants

Facet 3 ENSILED

AERIAL PART WITH CROWNS: Aerial part of seed bearing plants including the point at which stems and roots join.

Used with Facet 1 BEETS, RUTABAGA

Facet 3 FRESH, SUN-CURED, DEHYDRATED, ENSILED, etc.

See AERIAL PART; see CROWNS

AERIAL PART WITH CROWNS WITH PULP: Aerial part of beets with the crowns to which beet pulp has been added.

Used with Facet 1 BEET SUGAR

Facet 3 ENSILED

See AERIAL PART; see CROWNS; see PULP

AERIAL PART WITH PODS WITH SEEDS: Aerial part of the plant with underground fruit.

Used with Facet 1 PEANUT

Facet 3 FRESH

See AERIAL PART; see FRUIT

AERIAL PART WITH PULP: Aerial part of beet to which the pulp has been added.

Used with Facet 1 BEET SUGAR

Facet 3 ENSILED

See AERIAL PART; see PULP

AERIAL PART WITH ROOTS: The aerial part and roots remaining after the removal of the pods and seeds.

Used with Facet 1 PEANUT

Facet 3 SUN-CURED, SUN-CURED WEATHERED

See AERIAL PART; see ROOTS

AERIAL PART WITHOUT EARS: Aerial part of plants harvested before being mature including husks, the ears having been removed.

Used with Facet 1 MAIZE

Facet 3 FRESH

See AERIAL PART; see EARS

GLOSSARY 6.2 (Cont.)

AERIAL PART WITHOUT EARS WITHOUT HUSKS: Aerial part of plants harvested before being mature, the ears and husks having been removed.

Used with Facet 1 MAIZE

Facet 3 FRESH, DEHYDRATED, SUN-CURED, ENSILED

See AERIAL PART; see EARS; see HUSKS

AERIAL PART WITHOUT EARS WITHOUT HUSKS MOLASSES ADDED: Usually from two different kinds of plants, plant material and molasses.

Used with Facet 1 MAIZE

Facet 3 ENSILED

See AERIAL PART; see EARS; see HUSKS; see MOLASSES

AERIAL PART WITHOUT FLOWERS: Aerial part of plants after removal of the flowers.

Used with Facet 1 plants bearing flowers

Facet 3 FRESH, DEHYDRATED, SUN-CURED

See AERIAL PART; see FLOWERS

AERIAL PART WITHOUT FRUIT: Aerial part of plants bearing above ground fruit that have been removed.

Used with Facet 1 plants bearing above ground fruit

Facet 3 FRESH, SUN-CURED, DEHYDRATED, ENSILED

See AERIAL PART; see FRUIT

AERIAL PART WITHOUT FRUIT (HOPS):

Used with Facet 1 HOPS

Facet 3 FRESH, SUN-CURED

See AERIAL PART; see FRUIT (HOPS)

AERIAL PART WITHOUT FRUIT MOLASSES ADDED: Usually from two different kinds of plants.

Used with Facet 1 PINEAPPLE

Facet 3 ENSILED

See AERIAL PART; see FRUIT; see MOLASSES

AERIAL PART WITHOUT FRUIT PROCESS RESIDUE ADDED: Aerial part usually from one plant with the fruit residue obtained from canning.

Used with Facet 1 PINEAPPLE

Facet 3 ENSILED

See AERIAL PART; see FRUIT; see PROCESS RESIDUE

AERIAL PART WITHOUT HEADS: Aerial part of plants harvested before being mature, the heads of which have been removed.

Used with Facet 1 plants bearing heads, i.e., SORGHUM

Facet 3 FRESH, DEHYDRATED, SUN-CURED, ENSILED

See AERIAL PART; see HEADS

GLOSSARY 6.2 (Cont.)

AERIAL PART WITHOUT PODS WITHOUT SEEDS: Aerial part of most legumes harvested before being mature (if mature use STRAW), the pods and seeds of which have been removed.

Used with Facet 1 legumes except PEANUT and GROUNDNUT BAMBARA

Facet 3 FRESH, DEHYDRATED, SUN-CURED

See AERIAL PART; see PODS; see SEEDS

AERIAL PART WITHOUT SEEDS: Aerial part of plants harvested before being mature (if mature use STRAW), the seeds of which have been removed, the pods, however, are included.

Used with Facet 1 plants bearing seeds; not cereal plants

Facet 3 FRESH, SUN-CURED, ENSILED

See AERIAL PART; see SEEDS

AERIAL PART WITHOUT TASSELS: Aerial part of plants harvested after tassels have been removed.

Used with Facet 1 MAIZE

Facet 3 FRESH

See AERIAL PART; see TASSELS

AERIAL PART WITHOUT THORNS:

Used with Facet 1 plants bearing thorns or spikes

Facet 3 FRESH

See AERIAL PART; see THORNS

AIV Preservative: A preservative for silage consisting of a mixture of hydrochloric and sulfuric acid.

Albumin: Water soluble proteins found in milk, eggs, etc. Usually coagulates when heated.

Backs: Back bone with meat.

Used with Facet 1 bird species, POULTRY

BAGASSE: Residue of stems of sugar bearing plants after juice removal.

Used with Facet 1 MAIZE, GIANTREED, LEMONGRASS, SORGHUM, SWEETCANE

Facet 3 DEHYDRATED OR SUN-CURED, ENSILED, PELLETTED, WET

BAGASSE MOLASSES ADDED:

Used with Facet 1 SUGARCANE

Facet 3 DEHYDRATED OR SUN-CURED, WET

See BAGASSE; see MOLASSES

BAGASSE UREA ADDED: Urea is added to bagasse.

Used with Facet 1 SUGARCANE

Facet 3 DEHYDRATED OR SUN-CURED, WET

See BAGASSE

BAGASSE WITHOUT PITH: Pith was removed before the juice extraction.

Used with Facet 1 SUGARCANE

See BAGASSE; see PITH

GLOSSARY 6.2 (Cont.)

BARK: The tough exterior covering of a woody root or stem.

Used with Facet 1 trees and shrubs

Facet 3 FRESH, DEHYDRATED, SUN-CURED, ENSILED

BARK WITH BROWSE: Two different parts of the same origin.

Used with Facet 1 trees and/or shrubs

Facet 3 FRESH

See BARK; see BROWSE

BEE WINGS: Small skins enveloping the maize grain and attached to the cobs.

Used with Facet 1 MAIZE

Facet 3 SUN-CURED, FRESH

Biscuit Waste: use COOKIES RESIDUE

BLOOD: Vascular fluid of animals.

Used with Facet 1 higher vertebrates

Facet 3 DEHYDRATED, DEHYDRATED ON ROLLERS GROUND, SPRAY
DEHYDRATED, CONDENSED, ENSILED, FRESH, CONVENTIONAL
COOKER DEHYDRATED GROUND, DEHYDRATED GROUND, FLASH
DEHYDRATED GROUND

BLOOD ALBUMIN: Main protein of the blood.

Used with Facet 1 higher types of animals

Facet 3 FRESH, DEHYDRATED

BLOOD FIBRIN: A blood protein forming the network of the clot.

Used with Facet 1 higher types of animals

BLOOD WITH BONE:

Used with Facet 1 vertebrates

Facet 3 DEHYDRATED

BLOOD WITH RUMEN CONTENTS:

Used with Facet 1 ruminants

Facet 3 DEHYDRATED

See BLOOD; see RUMEN CONTENTS

BLUBBER OIL: The oil extracted from the fat (blubber) of whales and other large marine mammals.

Used with Facet 1 marine mammals

BLUBBER OIL RESIDUE: Material remaining after the extraction of oil from blubber.

Used with Facet 1 marine mammals

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED

For International Feed Name use BLUBBER

GLOSSARY 6.2 (Cont.)

BOLLS: The pod or capsule of a plant, such as cotton.

Used with Facet 1 COTTON
Facet 3 SUN-CURED, FRESH

BOLLS PROCESS RESIDUE: Bolls fractions left from removal of cotton fibers (lint) and seeds, including immature and unopened bolls.

Used with Facet 1 COTTON
Facet 3 SUN-CURED, FRESH
See BOLLS; see PROCESS RESIDUE

BONE: The hard parts of the skeleton of vertebrates.

Used with Facet 1 vertebrates
Facet 3 DEHYDRATED GROUND, FRESH GROUND, STEAMED DEHYDRATED GROUND, BOILED, DRY OR WET RENDERED GROUND, DRY RENDERED GROUND

BONE ASH: White porous residue that remains after burning bones in air.

Used with Facet 1 vertebrates

BONE CHARCOAL: Obtained by charring bones in a closed retort.

Used with Facet 1 vertebrates
Facet 3 SPENT

BONE GLUE RESIDUE: Part of bone (chiefly calcium phosphate) remaining after removal of parts used in manufacturing bone glue.

Used with Facet 1 vertebrates
Facet 3 DEHYDRATED GROUND

BONE MARROW: A soft tissue filling up the cavities in most bones.

Used with Facet 1 vertebrates
Facet 3 FRESH

BONE OIL RESIDUE: Material remaining after the extraction of oil from bones.

Used with Facet 1 vertebrates
Facet 3 BOILED SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND, SOLVENT EXTRACTED STEAMED GROUND

For International Feed Name use BONE

BONE PHOSPHATE: Residue of bones which have been progressively treated with a caustic solution, then in hydrochloric acid solution and thereafter precipitated with lime and then dried.

Used with Facet 1 vertebrates

BONE PROTEIN COLLOIDS: The gelatinous material extracted from bones by moisture/heat treatment.

Used with Facet 1 vertebrates

BONE WITH SCALES:

Used with Facet 1 fish species, FISH
Facet 3 DEHYDRATED, FRESH

See BONE; see SCALES

GLOSSARY 6.2 (Cont.)

BRAINS: The soft tissue, within the skull of vertebrates.
Used with Facet 1 vertebrates
Facet 3 FRESH

BRAN: Milling by-product consisting of hulls, coats and flour particles.
Used with Facet 1 cereals, legumes
Facet 3 DRY MILLED, PELLETED, BOILED, FERMENTED

BRAN OIL: Liquid fat removed from bran.
Used with Facet 1 RICE
See BRAN; see OIL

BRAN WITH GERMS:
Used with Facet 1 MAIZE, GOOSEFOOT QUINOA, RICE, TRITICALE, WHEAT
Facet 3 BOILED DEHYDRATED, DRY MILLED
See BRAN; see GERMS

BRAN WITH GERMS CALCIUM CARBONATE ADDED:
Used with Facet 1 RICE
See BRAN; see GERMS

BRAN WITH GERMS OIL RESIDUE: Residue left from liquid fat extraction.
Used with Facet 1 RICE
Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND,
EXTRACTION UNSPECIFIED
See BRAN; see GERMS
For International Feed Name use BRAN WITH GERMS

BRAN WITH GERMS WITH BROKEN GRAIN WITH POLISHINGS:
Used with Facet 1 RICE
See BRAN; see GERMS; see GRAIN; see POLISHINGS

BRAN WITH GERMS WITH HULLS:
Used with Facet 1 RICE
See BRAN; see GERMS; see HULLS

BRAN WITH GERMS WITH HULLS OIL RESIDUE: Residue left from liquid fat
extraction.
Used with Facet 1 RICE
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED GROUND, EXTRACTION
UNSPECIFIED
See BRAN; see GERMS; see HULL
For International Feed Name use BRAN WITH GERMS WITH HULLS

BRAN WITH HULLS:
Used with Facet 1 BARLEY, RICE
See BRAN; see HULLS

Branch: A stem growing from the trunk or from a limb of a tree.

GLOSSARY 6.2 (Cont.)

BRANCHES WITHOUT BARK:

Used with Facet 1 trees and shrubs
Facet 3 FRESH, GROUND
See Branch; see BARK

BREAD: Baked food made primarily from flour or meal.

Used with Facet 1 CEREALS
Facet 3 DEHYDRATED, ENRICHED

BREAD DOUGH: Unbaked bread.

Used with Facet 1 CEREALS
See BREAD

BREAD PUMPERNICKEL: A dark coarse sourdough bread made up of unsifted rye flour.

Used with Facet 1 RYE
See BREAD

BREWERS GRAINS: The coarse insoluble residue from brewed malt.

Used with Facet 1 CEREALS
Facet 3 DEHYDRATED, GROUND, ENSILED, WET, FRESH

BREWERS SOLUBLES: Liquids resulting as by-products from manufacturing wort.

Used with Facet 1 CEREALS
Facet 3 CONDENSED, WET, DEHYDRATED

BROKEN GRAIN: Broken and cull grain.

Used with Facet 1 RICE
Facet 3 BOILED
See GRAIN

BROWSE: Buds, leaves, shoots, small stems, and flowers of shrubs, trees and woody vines; in arid and semi-arid zones the nonligneous part of the vegetation which is eaten by animals. It also includes the parts of very young trees and shrubs eaten by animals.

Used with Facet 1 trees, shrubs, woody vines
Facet 3 FRESH, DEHYDRATED, WILTED, PELLETED, SUN-CURED

BROWSE AND AERIAL PART: Two parts of at least two different origins, the first being trees, shrubs or woody vines, the latter being forage plants.

Used with Facet 1 trees, shrubs and/or woody vines/forage plants
Facet 3 FRESH

See BROWSE; see AERIAL PART

BROWSE WITH PODS WITH SEEDS:

Used with Facet 1 legume trees, legume shrubs
Facet 3 FRESH
See BROWSE; see PODS; see SEEDS

GLOSSARY 6.2 (Cont.)

BROWSE WITH SEEDS:

Used with Facet 1 trees, shrubs, woody vines

Facet 3 FRESH

See BROWSE; see SEEDS

BUD ENDS: The ligneous parts of pineapple and globe artichoke process residue (cannery residue).

Used with Facet 1 ARTICHOKE GLOBE, PINEAPPLE

Facet 3 FRESH

BUDS: Small lateral or terminal protuberances on plant stems.

Used with Facet 1 all kinds of plants except Gramineae

Facet 3 FRESH

BULBS: Mass of overlapping membranous or fleshy leaves on a short stem-base, enclosing one or more buds that may develop into a new plant.

Used with Facet 1 plants bearing bulbs

Facet 3 FRESH, BOILED, DEHYDRATED, ENSILED

BUTTER: Various fatty oils remaining nearly solid at ordinary temperatures.

Used with Facet 1 mammals

BUTTERFAT: The natural fat of milk and chief constituent of butter.

Used with Facet 1 mammals

BUTTERMILK: Liquid remaining after removal of nearly all fat particles from cream,

Used with Facet 1 mammals

Facet 3 CONDENSED, CULTURED, DEHYDRATED, FRESH

BY-PRODUCT: Secondary products produced in addition to the principal product.

Used with Facet 1 ANIMAL

Facet 3 DRY OR WET RENDERED GROUND

CAPSULE CHAFF: Light fibrous material of seed capsules.

Used with Facet 1 FLAX

See CHAFF

CARAPACES: Shells of crustaceans.

Used with Facet 1 crustaceans

CARCASS: For cattle and sheep it includes the whole body without the hide, head, and viscera; for swine it includes the whole body without the viscera and hair; for poultry it includes the whole body without the feathers, head, and viscera; for fish it includes the whole body without the head, viscera and scales.

Used with Facet 1 vertebrate species, ANIMAL, fish species, FISH, bird species, POULTRY

Facet 3 FRESH, BOILED, ROASTED

GLOSSARY 6.2 (Cont.)

CARCASS RESIDUE: Obtained from slaughtering mammals: soft tissue, fat covering muscles, skin fractions, tendons, nerves, blood vessels, exclusive of hair, hoofs, horns, contents of digestive tract, bones, blood.

Used with Facet 1 mammals

Facet 3 DRY OR WET RENDERED GROUND, DRY RENDERED GROUND

For International Feed Name use MEAT

CARCASS RESIDUE WITH BLOOD:

Used with Facet 1 mammals, ANIMAL, POULTRY

Facet 3 DRY OR WET RENDERED

See CARCASS RESIDUE; see BLOOD

For International Feed Name use TANKAGE

CARCASS RESIDUE WITH BLOOD WITH BONE:

Used with Facet 1 mammals, ANIMAL, POULTRY

Facet 3 DRY OR WET RENDERED GROUND

See CARCASS RESIDUE; see BLOOD; see BONE

For International Feed Name use TANKAGE WITH BONE

CARCASS RESIDUE WITH BLOOD WITH RUMEN CONTENTS:

Used with Facet 1 ruminants

Facet 3 DRY OR WET RENDERED GROUND

See CARCASS RESIDUE; see BLOOD; see RUMEN CONTENTS

For International Feed Name use TANKAGE WITH RUMEN CONTENTS

CARCASS RESIDUE WITH BONE:

Used with Facet 1 mammals

Facet 3 DEHYDRATED GROUND, DRY OR WET RENDERED GROUND, DRY
RENDERED GROUND

See CARCASS RESIDUE; see BONE

For International Feed Name use MEAT WITH BONE

CELLUFIBER: Residue from an ammonium base-acid sulfite pulping process.

Used with Facet 1 trees, WOOD

Facet 3 AMMONIATED

CELLULOSE: Product of cellulose fabrication, consisting mainly of cellulose, contains primarily pentosans and lignin.

Used with Facet 1 trees, fibrous plants

Facet 3 DEHYDRATED; ACID PRECIPITATED, ENSILED

CEREAL BY-PRODUCT: Secondary product resulting from the manufacture of table cereals.

Used with Facet 1 plants bearing cereal grain, CEREALS

CHAFF: Heads without grain, straw particles, hulls.

Used with Facet 1 plants bearing seeds or grain

GLOSSARY 6.2 (Cont.)

- CHAFF AND/OR DUST:** Material separated from grains or seeds in the usual commercial cleaning process. It may include hulls, joints, straw, mill or elevator dust, sweepings, sand, dirt, grain and/or seeds from weeds.
Used with Facet 1 plants bearing grain or seeds
- CHARCOAL:** Dark porous forms of carbon made by incomplete combustion of plant material.
Used with Facet 1 plants
- CHEESE:** A food made from the curd of milk coagulated usually by rennet, separated from the whey and pressed in a vat, hoop or mold.
Used with Facet 1 mammals
- CHEESE COTTAGE:** A soft white cheese made by straining and seasoning the curds of sour milk.
Used with Facet 1 mammals
- CHEESE CREAM:** A soft cheese made of cream or milk with the addition of cream.
Used with Facet 1 mammals
- CHEESE CURD:** A food made from the curd of milk coagulated usually by rennet separated from the whey.
Used with Facet 1 mammals
Facet 3 DRAINED
- CHEESE RIND:** The covering of hard cheese.
Used with facet 1 mammals
- Coats:** The outer protective covering of a seed.
See HULLS, SEED COATS, or KERNEL COATS
- COB FRACTIONS:** Are obtained by separation of one or more fractions of MAIZE cobs. It may contain bees wings, hard woody ring or all or some of the following: glumes, lemmas, paleae and sterile florets.
Used with Facet 1 MAIZE
Facet 3 SCREENED
- COBS:** Ears without husks without grain (the fibrous inner portion of the ears of maize).
Used with Facet 1 MAIZE
Facet 3 DEHYDRATED COARSE GROUND, DEHYDRATED FINE GROUND, FRESH, GROUND, TREATED WITH CALCIUM HYDROXIDE WET
- COBS MOLASSES ADDED:**
Used with Facet 1 MAIZE
See COBS; see MOLASSES
- COBS WITH HUSKS:** Ears with husks without grain.
Used with Facet 1 MAIZE
Facet 3 GROUND
See COBS; see HUSKS

GLOSSARY 6.2 (Cont.)

Coffee Waste: Use GROUNDS (pertains to COFFEE)

COLOSTRUM: The fluid secreted by mammary glands for several days just before and after birth of an offspring.

Used with Facet 1 mammals, ANIMALS

Facet 3 FRESH

CONES: Fruit of gymnosperms, pollen-bearing scales from the trees of the pine family.

Used with Facet 1 coniferous plants

Facet 3 GROUND

COOKIES DOUGH RESIDUE: Pieces of dough remaining in the molds.

Used with Facet 1 BAKERY

COOKIES RESIDUE: Broken parts of baked cookies.

Used with Facet 1 BAKERY, MAIZE

See COOKIES DOUGH RESIDUE

CRACKLINGS: Residue that remains after removal of fat from adipose tissue or skin by applying dry heat.

Used with Facet 1 higher types of animals, ANIMAL

Facet 3 DRY RENDERED, WET RENDERED

CREAM: The oily yellowish part of milk which rises to the top.

Used with Facet 1 mammals, ANIMAL

Facet 3 CULTURED, FRESH

CROWNS: On a seed plant the part (usually at ground level) at which stems and roots merge.

Used with Facet 1 BEET SUGAR

Facet 3 FRESH, FRESH WASHED

Culms (as in malt culms): Use MALT SPROUTS

CULTURE: A product grown in a prepared media.

Used with Facet 1 LACTOBACILLUS spp

Facet 3 DEHYDRATED

CUPS: Cupules of the fruit of beech and oak trees.

Used with Facet 1 BEECH, OAK

Facet 3 ENSILED

CURD PROCESS RESIDUE: The material remaining after the removal of curd in human food processing of soybeans.

Used with Facet 1 SOYBEAN

Facet 3 DEHYDRATED, WET

See PROCESS RESIDUE

CUTTINGS: Parts of fish not used for human consumption.

Used with Facet 1 fish species, FISH

Facet 3 FRESH

GLOSSARY 6.2 (Cont.)

- DEXTRIN:** A soluble gummy substance formed by the decomposition of starch by hydrolysis.
Used with facet 1 plants bearing grain, CEREALS
- DIGEST:** Residue remaining after the enzymatic hydrolysis of fish.
Used with Facet 1 fish species, FISH
Facet 3 CONDENSED
- DISTILLERS GRAINS:** A by-product of alcohol distillation from cereal grain obtained by pressing, sieving and centrifuging distillers stillage.
Used with Facet 1 plants bearing grain, CEREALS
Facet 3 DEHYDRATED, WET
- DISTILLERS GRAINS WITH SOLUBLES:** Is distillers grains plus distillers solubles when both are dehydrated; when wet use DISTILLERS STILLAGE.
Used with Facet 1 plants bearing grain, CEREALS
Facet 3 DEHYDRATED
See DISTILLERS GRAINS; see DISTILLERS SOLUBLES
- DISTILLERS RESIDUE:** Residues of distillation of alcohol from plant material with high carbohydrate content, except cereal grains.
Used with Facet 1 CASSAVA, CHERRY, FIG COMMON, GRAPE, PLUM, POTATO, BEET SUGAR, SWEETPOTATO, WHORTLEBERRY
Facet 3 DEHYDRATED, WET, CONDENSED, DEHYDRATED OR SUN-CURED
- DISTILLERS SOLUBLES:** Soluble particles of DISTILLERS STILLAGE, distillers thin slop.
Used with Facet 1 plants bearing grain, CEREALS
Facet 3 WET, DEHYDRATED, CONDENSED
- DISTILLERS STILLAGE:** The wet mash from fermentation of grain after removal of alcohol by distillation; when dehydrated use DISTILLERS GRAINS WITH SOLUBLES.
Used with Facet 1 plants bearing grain, CEREALS
Facet 3 CONDENSED, WET, DEHYDRATED, ENSILED
- Draff:** Use DISTILLERS GRAINS
- DREGS:** Particles, mostly yeast, on the bottom of containers used in the brewing industry.
Used with Facet 1 plants bearing cereal grain, CEREALS
Facet 3 WET, DEHYDRATED
- Dust:** Use CHAFF AND/OR DUST
- EARS:** Fruiting heads of maize including cobs and grain but not the husks.
Used with Facet 1 MAIZE
Facet 3 ENSILED, FRESH, DEHYDRATED, GROUND

GLOSSARY 6.2 (Cont.)

EARS (ANIMAL): The visible part of the body of animals specialized for the perception of sounds.

Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH

EARS WITH HUSKS: Whole fruit of maize.

Used with Facet 1 MAIZE
Facet 3 DEHYDRATED, FRESH, ENSILED, GROUND

See EARS; see HUSKS

EGG SHELLS: The hard external covering of eggs from birds.

Used with Facet 1 birds, POULTRY
Facet 3 DEHYDRATED GROUND, GROUND

EGG WHITE: The white of eggs from birds.

Used with Facet 1 birds, POULTRY
Facet 3 DEHYDRATED, FRESH

EGG YOLK: The yellow colored, fatty portion of the eggs from birds.

Used with Facet 1 bird species, POULTRY
Facet 3 BOILED, DEHYDRATED, FRESH

EGGS: Ova of oviparous animals with shells.

Used with Facet 1 birds, POULTRY, insects
Facet 3 BOILED, DEHYDRATED, FREEZE DEHYDRATED, FRESH

EGGS WITHOUT SHELLS: Egg white plus egg yolk.

Used with Facet 1 birds, POULTRY
Facet 3 BOILED DEHYDRATED, DEHYDRATED, FREEZE DEHYDRATED, FRESH

See EGGS; see SHELLS

ENDOSPERM: Nutritive tissue of seeds surrounding the embryo.

Used with Facet 1 plants bearing seeds or grain, CEREALS

ENDOSPERM OIL:

Used with Facet 1 plants bearing seeds or grain, CEREALS

See ENDOSPERM; see OIL

ENDOSPERM WITH BRAN: Endosperm plus bran.

Used with Facet 1 MAIZE

See ENDOSPERM; see BRAN

ESOPHAGUS: The canal through which feed and liquid pass from the pharynx to the stomach.

Used with Facet 1 vertebrates, ANIMAL, POULTRY
Facet 3 FRESH

ESOPHAGUS WITH TRACHEA: Esophagus plus trachea.

Used with Facet 3 FRESH

See ESOPHAGUS; see TRACHEA

GLOSSARY 6.2 (Cont.)

EXTRACTIVES: Watery extract of cereal grain, obtained from steeping grain in water. Used in the starch extraction process.
Used with Facet 1 plants bearing cereal grain, CEREALS
Facet 3 FERMENTED CONDENSED, FERMENTED DEHYDRATED, WET, CONDENSED

EXTRACTIVES WITH GERMS WITH BRAN: Extractives to which germs and bran of the same kind of grain have been added.
Used with Facet 1 plants bearing cereal grain, CEREALS
Facet 3 CONDENSED FERMENTED DEHYDRATED
See EXTRACTIVES; see GERMS; see BRAN

FARINACEOUS WASTE: Containing or made of meal or flour; containing or rich in starch.
Used with Facet 1 BAKERY
See WASTE

FAT: A substance, solid or plastic at room temperature, composed chiefly of triglycerides of fatty acids.
Used with Facet 1 animal specie (except fishes), ANIMAL, POULTRY, plants, VEGETABLE
Facet 3 HYDROLYZED, BLENDED

FAT ADDED WASTE: Bits and pieces of noodles that have had fat added to them.
Used with Facet 1 NOODLES

FAT PRODUCT: Rendered animal fat, cooking fat, vegetable fat, dry products of fat, hydrolyzed fat in any combination (usually solid or plastic at room temperature).
Used with Facet 1 animals (except fishes), ANIMAL, plants, VEGETABLE

Fatty Acids: Aliphatic monobasic acids containing only the elements carbon, hydrogen, and oxygen.

FATTY ACIDS OF ETHYL ESTER:
Used with Facet 1 animal species, ANIMAL, plants, VEGETABLE
See Fatty Acids

FATTY ACIDS OF METHYL ESTER: Saturated aliphatic monocarboxylic acids occurring naturally in fat, waxes and essential oil in the form of methyl ester which is a class of compounds that yield methyl alcohol on hydrolysis.
Used with Facet 1 plants, VEGETABLE, animal species, ANIMAL
See Fatty Acids

FATTY ACIDS OF NON-GLYCERIDE ESTER: Saturated aliphatic monocarboxyl acids occurring naturally in fat, waxes and essential oil in the form of esters other than those of glycerol.
Used with Facet 1 plants, VEGETABLE, animal species, ANIMAL
See Fatty Acids

FATTY ACIDS WITH UNSAPONIFIABLE MATTER: Fatty acids with ether soluble material.
Used with Facet 1 plants, VEGETABLE
See Fatty Acids

GLOSSARY 6.2 (Cont.)

- FEATHERS:** The light horny epidermal outgrowth that form the external coverings of birds.
Used with Facet 1 bird species, POULTRY
Facet 3 DEHYDRATED GROUND, HYDROLYZED DEHYDRATED GROUND
- FEET:** The terminal part of vertebrate legs upon which an individual stands.
Used with Facet 1 vertebrates, ANIMAL, POULTRY
Facet 3 FRESH GROUND, FRESH
- FERMENTATION EXTRACT:** The filtered and dried mycelium or culture obtained from fermentation.
Used with Facet 1 ASPERGILLUS spp, BACILLUS SUBTILIS
Facet 3 DEHYDRATED
- FERMENTATION PRESSCAKE:** The dried mycelium obtained from fermentation.
Used with Facet 1 CITRIC ACID, PENICILLIN, STREPTOMYCIN
Facet 3 DEHYDRATED, EXTRACTED DEHYDRATED GROUND
- FERMENTATION PRODUCT:** The product obtained by culturing living organisms on an appropriate media in the production of enzymes.
Used with Facet 1 ASPERGILLUS spp, BACILLUS SUBTILIS, LACTOBACILLUS spp, STREPTOCOCCUS spp
Facet 3 LIQUID, DEHYDRATED
- FERMENTATION RESIDUE** Liquor remaining from the extraction of glutamic acid combined with the cells of *Corynebacterium lilium*.
Used with Facet 1 GLUTAMIC ACID
Facet 3 CONDENSED
- FERMENTATION SOLIDS WITH SOLUBLES:** The extracted and undried mycelium and broth obtained from fermentation.
Used with Facet 1 CITRIC ACID, PENICILLIN, STREPTOMYCIN
Facet 3 DEHYDRATED
- FERMENTATION SOLUBLES:** Parts of stillage that pass through screens, consisting chiefly of water, water-soluble substances and fine particles from the fermentation process.
Used with Facet 1 ASPERGILLUS spp, BACILLUS SUBTILIS
Facet 3 DEHYDRATED, WET
See SOLUBLES
- FETUS CARCASS WITHOUT SKIN:** Unborn animal carcass
Used with Facet 1 vertebrates
Facet 3 FRESH
- FIBER:** An elongate tapering plant cell that has at maturity no protoplasm.
Used with Facet 1 ligneous plants
- FIBER DUST:** Material coming off the outside of the coconut shell when it is processed.
Used with Facet 1 COCONUT

GLOSSARY 6.2 (Cont.)

- FIBER PROCESS RESIDUE:** Residue remaining after removing fiber from the whole plant. If dried, use DEHYDRATED OR SUN-CURED.
Used with Facet 1 FLAX, NETTLE
Facet 3 DEHYDRATED OR SUN-CURED, SUN-CURED PELLETED
See FIBER; see PROCESS RESIDUE
- FILTER CAKE:** Material filtered from the water used in the production of processed potatoes for human food.
Used with Facet 1 POTATO
Facet 3 DEHYDRATED, WET
- FILTRATION SCUMS:** A by-product of the sugar extraction or starch production.
Used with Facet 1 CASSAVA, COCONUT, BEET SUGAR, SUGARCANE
Facet 3 DEHYDRATED, WET
- FLAKES:** Physical form of VERXITE; an ingredient rolled or cut into flat pieces with or without the application of steam.
Used with Facet 1 VERXITE
- FLESH:** The muscular tissue of fishes, crustaceans and birds, that is generally light colored.
Used with Facet 1 fish species, FISH, crustaceans, bird species, POULTRY,
Facet 3 FRESH, DEHYDRATED, BOILED DEHYDRATED GROUND, SMOKED,
DEHYDRATED GROUND, DEHYDRATED, FREEZE DEHYDRATED, WATER
EXTRACTED DEHYDRATED, BOILED
- FLESH SALT ADDED:** Salt (NaCl) is added to fish flesh to preserve it.
Used with Facet 1 fish species, FISH
Facet 3 DEHYDRATED
See FLESH
- FLESH WITH LIQUID:** Edible parts of crustaceans.
Used with Facet 1 crustaceans, MUSSELS
Facet 3 FRESH, FREEZE DEHYDRATED
- FLOUR:** (1) Soft, finely ground bolted meal obtained by milling cereal grain and other seeds. It consists essentially of the starch and gluten of the endosperm; (2) peeled cassava roots, finely ground, which may serve for starch production; (3) decorticated finely ground oil-seeds.
Used with Facet 1 plants bearing cereal grain, seeds, or tubers, CEREALS
Facet 3 GELATINIZED, PARTIALLY ASPIRATED GELATINIZED, HEAT
PROCESSED
- FLOUR BY-PRODUCT:** (1) A secondary product obtained during the milling of grain for preparation of bread flour; (2) for peas and soybeans it includes the endosperm and small quantities of seed coats (hulls).
Used with Facet 1 plants bearing cereal grain, CEREALS, also PEA,
SOYBEAN
See FLOUR; see BY-PRODUCT

GLOSSARY 6.2 (Cont.)

FLOUR BY-PRODUCT PALM OIL ADDED: Flour by-product with palm oil added.

Used with Facet 1 WHEAT

See FLOUR; see BY-PRODUCT; see OIL

FLOUR BY-PRODUCT WITHOUT BRAN:

Used with Facet 1 MAIZE, WHEAT

See FLOUR BY-PRODUCT; see BRAN

FLOUR BY-PRODUCT WITHOUT HULLS: That portion of the grain immediately under the hulls after separation of the flour.

Used with Facet 1 BARLEY, BUCKWHEAT

See FLOUR BY-PRODUCT; see HULLS

FLOUR OIL RESIDUE: Material remaining after the extraction of oil from oil seeds ground to a particle size of 1 to 3 mm.

Used with Facet 1 SOYBEAN, PEANUT

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION UNSPECIFIED

For International Feed Name use FLOUR

FLOWER EXTRACT: Material removed from flowers by leaching them with a liquid.

Used with Facet 1 flowering plants especially MARIGOLD AZTEC

Facet 3 DEHYDRATED GROUND, FRESH

FLOWER HEADS: Inflorescences of sunflowers in blossom; when fruiting use SEED HEADS.

Used with Facet 1 SUNFLOWER

Facet 3 GROUND, FRESH, WILTED ENSILED

See FLOWERS; see HEADS (plant)

FLOWERS: Parts of seed plants that normally bear reproductive organs; blossoms, inflorescences including petals and pollen.

Used with Facet 1 flowering plants

Facet 3 FRESH, SUN-CURED, DEHYDRATED

FLOWERS WITH STEMS: Flowers and stems of one kind of plant harvested together.

Used with Facet 1 flowering plants

Facet 3 FRESH

See FLOWERS; see STEMS

FRUIT: Ripened seeds of perennial and woody plants with adjacent tissues and tissues surrounding the seeds or nuts (with hulls or seed coats), acorns and beech nuts with cups, berries with fruit stems (exception: banana and cashew nut without fruit stems); almonds and chestnuts with husks; coconut with fiber, shells, meats and milk.

Used with Facet 1 plants bearing fruit; for legumes use PODS WITH SEEDS

Facet 3 if dried use DEHYDRATED OR SUN-CURED, SALT ADDED, FRESH, BOILED; DEHYDRATED GROUND, STEAMED, ENSILED, GROUND

Facet 4 if ripe no descriptor, if unripe IMMATURE

GLOSSARY 6.2 (Cont.)

- FRUIT (HOPS):** Ripened and dried pistillate cones used chiefly to impart a bitter flavor to malt liquors.
Used with Facet 1 HOPS
Facet 3 DEHYDRATED OR SUN-CURED, SPENT DEHYDRATED, SPENT FRESH
- FRUIT AND PODS WITH SEEDS:** Part consisting of the fruit of two different original materials, the latter being a legume, the first a nonlegume.
Used with Facet 1 plants bearing fruit/legume(s)
Facet 3 FRESH, DEHYDRATED OR SUN-CURED
See FRUIT; see PODS WITH SEEDS
- FRUIT FLESH:** The pulpy and/or edible part of fruit without peeling without seeds or pits.
Used with Facet 1 plants bearing pulpy fruit
Facet 3 FRESH, DEHYDRATED OR SUN-CURED
See FRUIT
- FRUIT FLESH OIL RESIDUE:**
Used with Facet 1 plants bearing oily fruit
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION UNSPECIFIED, MECHANICAL EXTRACTED WET, SOLVENT EXTRACTED GROUND, MECHANICAL EXTRACTED GROUND
See FRUIT FLESH
For International Feed Name use FRUIT FLESH
- FRUIT OIL:** Oil extracted from the whole fruit, i.e., olives, acorns, and all kinds of nuts with seed coats (skins) and husks.
Used with Facet 1 plants bearing oily fruit
See FRUIT; see OIL
- FRUIT OIL RESIDUE:** Material remaining after the extraction of oil from fruit.
Used with Facet 1 plants bearing oily fruit
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION UNSPECIFIED, MECHANICAL EXTRACTED WET, SOLVENT EXTRACTED GROUND, MECHANICAL EXTRACTED GROUND
See FRUIT
For International Feed Name use FRUIT
- FRUIT SALT ADDED:** Salt added for the preservation of the fruit
Used with Facet 1 CUCUMBER
See FRUIT
- FRUIT TOPS:** Top of fruit of pineapple consisting of hard leaves and a small proportion of fruit flesh.
Used with Facet 1 PINEAPPLE
Facet 3 FRESH, DEHYDRATED OR SUN-CURED

GLOSSARY 6.2 (Cont.)

FRUIT WITHOUT CUPS: Material remaining after the extraction of oil from fruit without cups.

Used with Facet 1 BEECH, OAK
See FRUIT; see CUPS

FRUIT WITHOUT CUPS OIL RESIDUE:

Used with Facet 1 BEECH, OAK
See FRUIT; see CUPS

For International Feed Name use FRUIT WITHOUT CUPS

FRUIT WITHOUT CUPS SALT ADDED:

Used with Facet 1 OAK
See FRUIT; see CUPS

FRUIT WITHOUT CUPS WITH SOME SHELLS OIL RESIDUE:

Used with Facet 1 BEECH, OAK
See FRUIT; see CUPS; see SHELLS

For International Feed Name use FRUIT WITHOUT CUPS WITH SOME SHELLS

FRUIT WITHOUT HUSKS:

Used with Facet 1 plants bearing nuts, KERNELS, etc.
See FRUIT; see HUSKS

FRUIT WITHOUT HUSKS OIL RESIDUE:

Used with Facet 1 plants bearing nuts, KERNELS, etc.
See FRUIT; see HUSKS

For International Feed Name use FRUIT WITHOUT HUSKS

FRUIT WITHOUT HUSKS WITHOUT STARCH:

Used with Facet 1 CHESTNUT
See FRUIT; see HUSKS; see STARCH

FRUIT WITHOUT HUSKS WITHOUT TOXIN:

Used with Facet 1 HORSECHESTNUT
See FRUIT; see HUSKS; see TOXIN

FRUIT WITHOUT KERNELS WITHOUT COATS:

Used with Facet 1 CASHEW
Facet 3 FRESH
See FRUIT; see KERNELS; see COATS

FRUIT WITHOUT PEELINGS: Peeled fruit.

Used with Facet 1 plants bearing fleshy fruit that can be peeled, not nuts
Facet 3 FRESH, DEHYDRATED OR SUN-CURED, BOILED
See FRUIT; see PEELINGS

GLOSSARY 6.2 (Cont.)

- FRUIT WITHOUT PITS:** The fruit flesh of drupaceous fruit with peelings.
Used with Facet 1 APRICOT, AVOCADO, PALM DATE, PEACH, PLUM, NECTARINE,
GUAVA, OLIVE, JUJUBE SPINACHRISTA, OLIVE WILD
Facet 3 FRESH, DEHYDRATED OR SUN-CURED
See FRUIT; see PITS
- FRUIT WITHOUT PITS OIL:** Oil extracted from olive peelings and flesh.
Used with Facet 1 OLIVE
See FRUIT; see PITS; see OIL
- FRUIT WITHOUT PITS OIL RESIDUE:** Material remaining after the extraction of
oil from fruits without pits.
Used with Facet 1 OLIVE
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED, MECHANICAL EXTRACTED GROUND, SOLVENT
EXTRACTED GROUND
See FRUIT; see PITS
For International Feed Name use FRUIT WITHOUT PITS
- FRUIT WITHOUT SEEDS:** Unpeeled fruit the seeds of which have been removed,
i.e., apples.
Used with Facet 1 plants bearing fruit with seeds
Facet 3 FRESH, DEHYDRATED OR SUN-CURED, ENSILED, DEHYDRATED
PELLETED, ENSILED DEHYDRATED
See FRUIT; see SEEDS
- FRUIT WITHOUT SEEDS OIL RESIDUE:** Material remaining after the extraction of
oil from fruit without seeds.
Used with Facet 1 plants bearing oily fruit with seeds
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED
See FRUIT; see SEEDS
For International Feed Name use FRUIT WITHOUT SEEDS
- FURFURAL RESIDUE:** By-product of the production of furfural from plant
material rich in pentosan such as straw, maize cobs, etc.
Used with Facet 1 MAIZE, FLAX
Facet 3 AMMONIATED
- GENITALS:** Reproductive organs of male and female animals.
Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH
- GERM OIL:** Oil extracted from germs.
Used with Facet 1 plants bearing oily grain, CEREALS
- GERMS:** Embryo of grain, seeds and pits.
Used with Facet 1 plants bearing cereal grain, seeds or pits
Facet 3 BOILED, TOASTED, SUN-CURED, GROUND

GLOSSARY 6.2 (Cont.)

GERMS OIL RESIDUE: Material remaining after the extraction of oil from germs.
Used with Facet 1 plants bearing cereal grains, seeds or pits
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED

See GERMS

For International Feed Name use GERMS

Germs Without Extractives: A by-product of wet milling; the solubles are removed from the germs by steeping before they are defatted.

GERMS WITHOUT EXTRACTIVES OIL RESIDUE: Material remaining after the extraction of oil from germs without extractives.
Used with Facet 1 MAIZE
Facet 3 WET MILLED, MECHANICAL EXTRACTED, WET MILLED SOLVENT
EXTRACTED, EXTRACTION UNSPECIFIED

See Germs Without Extractives

For International Feed Name use GERMS WITHOUT EXTRACTIVES

GIN BY-PRODUCT: Material that remains after cotton fiber and seeds of cotton bolls are separated in ginning.

Used with Facet 1 COTTON

See BY-PRODUCT

GIZZARDS: Second stomach of birds with thick muscular walls.

Used with Facet 1 birds, POULTRY

Facet 3 FRESH

GLAND TISSUE: An aggregate of cells of various special secreting tissues with their intercellular contents i.e. livers, spleens, etc.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH, DEHYDRATED GROUND

Glands: Use GLAND TISSUE

GLUE BY-PRODUCT: Undecomposed residue from the manufacture of glue from nonoily fish.

Used with Facet 1 nonoily fishes, FISH

Facet 3 DEHYDRATED GROUND

For International Feed Name use GLUE RESIDUE

GLUTEN: The tough, viscid nitrogenous substance that remains after the flour of wheat or other grain has been washed to remove the starch.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 WET MILLED DEHYDRATED GROUND, DEHYDRATED

GLOSSARY 6.2 (Cont.)

GLUTEN LOW GLUTAMIC ACID: Gluten from which some of the glutamic acid has been removed.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 HYDROLYZED DEHYDRATED

See GLUTEN

For International Feed Name use GLUTEN

GLUTEN WITH BRAN: Gluten to which bran of the same kind of grain has been added.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 WET MILLED DEHYDRATED GROUND, DEHYDRATED

See GLUTEN; see BRAN

GRAIN: Seeds from cereal plants.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 BOILED, ENILED, FERMENTED, FLAKED, GROUND, HEAT PROCESSED
FLAKED, PEARLED, ROLLED, ROASTED, AMMONIATED, FLAKED
TOASTED, HEAT PROCESSED, HEAT PROCESSED GROUND, HEAT
PROCESSED PELLEDED, HYDROLYZED LIQUID, KIBBLED,

CRACKED, BOILED DEHYDRATED, EXTRUDED, POPPED, FRESH,
PELLETED, POLISHED EXPANDED, POLISHED BOILED, STEEPED
Facet 4 no descriptor needed when mature, use GERMINATED, MILK
STAGE or DOUGH STAGE when not mature,

GRAIN AND SEED FRACTIONS: Parts of two different origins.

Used with Facet 1 plants bearing grain/plants bearing seeds

Facet 3 ASPIRATED

See GRAIN

GRAIN AND SEEDS: Parts of two different origins.

Used with Facet 1 plants bearing grain/plants bearing seeds

See GRAIN; see SEEDS

GRAIN CLIPPED BY-PRODUCT: Contains the light chaffy material broken from the end of the hulls, empty hulls, light immature grain, and dust.

Used with Facet 1 OATS

See GRAIN; see BY-PRODUCT

Grain distillers grains: Use DISTILLERS GRAINS

GRAIN FINES: Small particles screened from cracked grain.

Used with Facet 1 plants bearing cereal grain, CEREALS

See SCREENED

GRAIN HULLS ADDED: Grain to which hulls of the same kind of cereal have been added.

Used with Facet 1 plants bearing cereal grain, CEREALS

See GRAIN; see HULLS

GLOSSARY 6.2 (Cont.)

GRAIN HULLS ADDED BRAN ADDED: Grain to which hulls and bran of the same kind of cereal have been added.
Used with Facet 1 plants bearing cereal grain, CEREALS
See GRAIN; see HULLS; see BRAN

GRAIN OIL RESIDUE: Material remaining after the extraction of oil from grain.
Used with Facet 1 plants bearing cereal grain, CEREALS
Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND,
EXTRACTION UNSPECIFIED GROUND, SOLVENT EXTRACTED TOASTED
GROUND
See GRAIN
For International Feed Name use GRAIN

GRAIN PROPIONIC ACID ADDED:
Used with Facet 1 plants bearing cereal grain, CEREALS
See GRAIN

GRAIN SCOURINGS: Fine dusty waste remaining on the bottom of the buffing machine during grain milling.
Used with Facet 1 plants bearing cereal grain, CEREALS

GRAIN SCREENINGS: Materials having feeding value (light and broken grain, hulls, chaff, joints, weed seeds, small imperfect grain and other foreign material) that are separated from grain during screening.
Used with Facet 1 plants bearing cereal grain, CEREALS

GRAIN SCREENINGS REFUSE: Inferior quality compared with grain screenings; feed denomination of the Canadian Feed Act (CFA); means all screening waste with weed seeds, chaff and dust.
Used with Facet 1 plants bearing cereal grain, CEREALS
See GRAIN SCREENINGS

GRAIN STARCH: Principal part of grain endosperm.
Used with Facet 1 plants bearing grain, CEREALS
Facet 3 GELATINIZED, SACCHARIFIED, HEAT HYDROLYZED
See GRAIN; see STARCH

GRAIN STARCH MOLASSES: A by-product of the manufacture of dextrose from starch derived from maize or grain sorghums from which the starch is hydrolyzed by use of enzymes and/or acid.
Used with Facet 1 plants bearing cereal grain, CEREALS
See GRAIN; see STARCH; see MOLASSES

GRAIN WITHOUT GERMS: Degermed grain.
Used with Facet 1 plants bearing cereal grain, CEREALS
Facet 3 BOILED
See GRAIN; see GERMS

GRANULES: Small particles of exfoliated hydrobiotite (magnesium-aluminum-iron silicate) thermally expanded.
Used with Facet 1 VERXITE

GLOSSARY 6.2 (Cont.)

GREASE: Animal fats with a titer below 40° C.
Used with Facet 1 vertebrates, ANIMAL

GRITS: Coarsely ground grain from which the bran and germs have been removed;
also applies to VERXITE.
Used with Facet 1 MAIZE, SORGHUM, WHEAT, VERXITE
Facet 3 CRACKED SCREENED

GRITS BY-PRODUCT: Milling by-product of flour and grits production; i.e.,
maize, sorghum.
Used with Facet 1 MAIZE, SORGHUM
Facet 3 DEHYDRATED CAKED
See GRITS; see BY-PRODUCT

GRITS BY-PRODUCT OIL RESIDUE: Material remaining after the extraction of oil
from grits by-product.
Used with Facet 1 MAIZE
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED
See GRITS BY-PRODUCT
For International Feed Name use GRITS BY-PRODUCT

GRITS OIL RESIDUE: Material remaining after the extraction of oil from grits.
Used with Facet 1 SOYBEAN
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED
See GRITS
For International Feed Name use GRITS

GRITS WITH BRAN: Grits to which bran of the same kind of cereal has been
added.
Used with Facet 1 MAIZE
See GRITS; see BRAN

GROATS: Grain of cereals the hulls of which have been removed.
Used with Facet 1 plants bearing cereal grain, CEREALS
Facet 3 CRACKED, BOILED GROUND, POLISHED, BROKEN, TOASTED

GROATS BY-PRODUCT: Milling by-product; hulls, bran, broken grain etc.
resulting from dehulling grain.
Used with Facet 1 plants bearing cereal grain and certain seeds, CEREALS
See GROATS; see BY-PRODUCT

GROUNDS: Residue of coffee preparation.
Used with Facet 1 COFFEE
Facet 3 DEHYDRATED, WET

GLOSSARY 6.2 (Cont.)

GROUNDS CHICORY RESIDUE ADDED: Coffee grounds that contain chicory residue.
Used with Facet 1 COFFEE
Facet 3 DEHYDRATED, WET
See GROUNDS

HAIR: Threadlike outgrowths of the skin of animals.
Used with Facet 1 hair bearing animal species, ANIMAL
Facet 3 HYDROLYZED

HATCHERY BY-PRODUCT: Egg shells, infertile, unhatched eggs, cull and dead chicks, sometimes defatted.
Used with Facet 1 bird species, POULTRY
Facet 3 BOILED DEHYDRATED GROUND
See BY-PRODUCT

HAULM: Mature aerial part of certain plants after the crop has been harvested, contains more moisture than straw.
Used with Facet 1 PEA, POTATO
Facet 3 ENSILED, FRESH

HAULM WITH PODS: Haulm to which the empty pods have been added or remain attached.
Used with Facet 1 PEA
Facet 3 ENSILED, FRESH, SUN-CURED
See HAULM; see PODS

HEADS (Animal): The upper or anterior division of the body containing the brain, chief sensory organs and mouth.
Used with Facet 1 higher types of animals, ANIMAL, POULTRY, FISH
Facet 3 FRESH, HEAT PROCESSED
For International Feed Name use HEADS

HEADS (Plant): (1) The part of a plant that contains flowers and later seeds or grain except sunflower (use FLOWER HEADS, SEED HEADS); (2) the above ground part of cabbage, generally with outer leaves.
Used with Facet 1 plants bearing grain or seeds (excluded SUNFLOWER, and MAIZE)
Facet 3 FRESH, DEHYDRATED GROUND, BOILED, SUN-CURED, ENSILED

HEADS WITHOUT OUTSIDE LEAVES:
Used with Facet 1 CABBAGE
Facet 3 FRESH
See HEADS; see LEAVES

HEARTS: A hollow muscular organ, which by contracting rhythmically keeps up the circulation of the blood.
Used with Facet 1 animal species, ANIMAL, POULTRY
Facet 3 FRESH, BOILED

HONEY: Product of the honey bee, without honey combs.
Used with Facet 1 HONEY BEE

GLOSSARY 6.2 (Cont.)

HOOFS: The horny covering of the feet of ungulate mammals.
Used with Facet 1 ungulates, equines
Facet 3 GROUND

Horns: Bony processes that protrude from the head of many ungulates.

HORNS WITH HOOFS:

Used with Facet 1 animal species, ANIMAL
Facet 3 STEAMED DEHYDRATED GROUND, HYDROLYZED DEHYDRATED GROUND
See Horns; see HOOFS

HULL FINES: Rice milling product; particles remaining from sieving and aspirating rice hulls.
Used with Facet 1 RICE
See HULLS

HULLS: Outer covering of grain and of seeds of certain plants; for nuts such as almonds, it is the outer fleshy covering around the shell.
Used with Facet 1 plants bearing cereal grain, CEREALS, and plants bearing seeds except legumes, for these use SEED COATS.
Facet 3 SUN-CURED, AMMONIATED, GROUND, BOILED

Hulls With Bran: Use BRAN WITH HULLS

HULLS WITH SHELLS: Seed coats and hard covering.
Used with Facet 1 ALMOND
See HULLS; see SHELLS

HULLS WITHOUT LINT: Cotton hulls which have had the lint removed.
Used with Facet 1 COTTON
See HULLS; see LINT

HUSKS: (1) Leaves enveloping the ears of maize; (2) the green soft outer covering of nuts (except acorns and beechnuts) (3) the oily cover of the cashew nut.
Used with Facet 1 OILPALM AFRICAN, MAIZE, COCONUT, PALM PARAGUAY
Facet 3 DEHYDRATED, ENSILED, FRESH, SUN-CURED

IMAGO: Fully developed stage of insects.
Used with Facet 1 SILKWORM, other insects
Facet 3 SUN-CURED

INSTANT BEVERAGE RESIDUE: By-product of instant beverage production from coffee or barley.
Used with Facet 1 BARLEY, COFFEE
Facet 3 DEHYDRATED, FRESH

INTEGUMENTS: Outer covering of arthropods.
Used with Facet 1 crustaceans

GLOSSARY 6.2 (Cont.)

INTESTINES: (1) Lower part (below stomach) of the digestive tract of animals, without contents; (2) birds and fish with contents.
Used with Facet 1 vertebrates, ANIMAL, FISH, POULTRY
Facet 3 FRESH

IODINE ADDED: The addition of small amounts of iodine to other products (salt, casein, etc.).

JUICE: Mechanically extracted liquid of various parts of plants.
Used with Facet 1 plants bearing fruit, and CARROT, GRASS, SUGARCANE
Facet 3 CONDENSED

KERNELS: Dehulled seeds of plants.
Used with Facet 1 plants bearing nuts, KERNELS, etc.
Facet 3 BOILED, MECHANICAL EXTRACTED CAKED, TOASTED

KERNELS OIL RESIDUE: Material remaining after the extraction of oil from kernels.
Used with Facet 1 plants bearing nuts, KERNELS, etc.
Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND
See KERNELS
For International Feed Name use KERNELS

KERNELS WITH COATS: Seeds (not dehulled) of plants.
Used with Facet 1 plants bearing nuts, KERNELS, etc.
Facet 3 ROASTED, FRESH, BOILED, DEHYDRATED GROUND, DEHYDRATED, SUN-CURED, GROUND, HEAT PROCESSED, AUTOCLAVED, COARSE GROUND
See KERNELS; see COATS

KERNELS WITH COATS MOLASSES ADDED OIL RESIDUE: Material remaining after the extraction of oil from kernels with coats molasses added.
Used with Facet 1 plants bearing nuts, KERNELS, etc.
Facet 3 SOLVENT EXTRACTED GROUND, MECHANICAL EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND
See KERNELS WITH COATS; see MOLASSES
For International Feed Name use KERNELS WITH COATS MOLASSES ADDED

KERNELS WITH COATS OIL: Oil extracted from kernels with coats.
Used with Facet 1 plants bearing nuts, KERNELS, etc.
See KERNELS WITH COATS; see OIL

KERNELS WITH COATS OIL RESIDUE: Material remaining after the extraction of oil from kernels with coats.
Used with Facet 1 Plants bearing nuts, KERNELS, etc.
Facet 3 MECHANICAL EXTRACTED GROUND, MECHANICAL EXTRACTED CAKED, SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND
See KERNELS WITH COATS
For International Feed Name use KERNELS WITH COATS

GLOSSARY 6.2 (Cont.)

KERNELS WITH COATS WASTE:

Used with Facet 1 COCONUT
Facet 3 CAKED, FRESH
See KERNELS WITH COATS; see WASTE

KERNELS WITH COATS WITHOUT MILK: Kernels with coats without the liquid.

Used with Facet 1 COCONUT
Facet 3 MANUALLY EXTRACTED FRESH
See KERNELS WITH COATS; see MILK

KERNELS WITH COATS WITHOUT STARCH: Kernels with coats after the removal of starch.

Used with Facet 1 CHESTNUT
Facet 3 DEHYDRATED
See KERNELS WITH COATS; see STARCH

KERNELS WITH COATS WITHOUT TOXIN: Kernels with coats after the removal of toxins.

Used with Facet 1 ALMOND BITTER
See KERNELS WITH COATS; see TOXINS

KIDNEYS: A pair of vertebrate organs situated in the body cavity near the spinal column that excrete waste products of metabolism.

Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH

LARVA: Developmental stage of insects.

Used with Facet 1 certain kinds of insects

LEATHER: Animal skins prepared for use.

Used with Facet 1 vertebrates, ANIMAL
Facet 3 TANNED, HYDROLYZED DEHYDRATED GROUND

LEAVES: Outgrowth of stems with petioles and veins; leaves of mature plants have no descriptor for Facet 4 (maturity); however, the descriptors of Facet 4 IMMATURE OR STEM CURED are used. Leaves can never be combined with a cut descriptor (Facet 5).

Used with Facet 1 plants bearing leaves
Facet 3 FRESH, SUN-CURED, STEAMED, DEHYDRATED GROUND, DEHYDRATED PELLETTED, WILTED, FAN AIR DRIED, SUN-CURED ON RIDERS, DEHYDRATED, ENSILED, BOILFD, FREEZE DEHYDRATED GROUND

LEAVES FIBER PROCESS RESIDUE: That portion of the leaves which remains after removal of their fiber by mechanical processes.

Used with Facet 1 AGAVE, HEMP
Facet 3 DEHYDRATED OR SUN-CURED, FRESH, WASHED FRESH, SUN-CURED
See LEAVES; see FIBER; see PROCESS RESIDUE

LEAVES MOLASSES ADDED: Leaves to which less than 5% molasses has been added.

Used with Facet 1 plants bearing leaves suitable for silage
Facet 3 ENSILED, WILTED ENSILED
See LEAVES; see MOLASSES

GLOSSARY 6.2 (Cont.)

LEAVES OIL RESIDUE: Material remaining after the extraction of oil from leaves.

Used with Facet 1 plants bearing oily leaves

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION UNSPECIFIED, ALCOHOL EXTRACTED

See LEAVES

For International Feed Name use LEAVES

LEAVES SALT ADDED: Salt added for the preservation of the leaves.

Used with Facet 1 MUSTARD INDIAN BROWN

See LEAVES

LEAVES SULFURIC ACID ADDED: Leaves to which less than 5% sulfuric acid has been added.

Used with Facet 1 plants bearing leaves suitable for silage

Facet 3 ENSILED, WILTED ENSILED

LEAVES WITH COBS:

Used with Facet 1 MAIZE

Facet 3 FRESH

See LEAVES; see COBS

LEAVES WITH FLOWERS: Leaves and flowers of the same kind of plant.

Used with Facet 1 plants bearing flowers and leaves

Facet 3 DEHYDRATED, FRESH, SUN-CURED

See LEAVES; see FLOWERS

LEAVES WITH FLOWERS WITH PODS:

Used with Facet 1 PIGEONPEA

Facet 3 SUN-CURED

See LEAVES; see FLOWERS; see PODS

LEAVES WITH HUSKS:

Used with Facet 1 MAIZE

Facet 3 FRESH, SUN-CURED

See LEAVES; see HUSKS

LEAVES WITH PEDUNCLES: Leaves and peduncles (a flower stalk; the stem that supports an inflorescence) of the same kind of plant.

Used with Facet 1 plants bearing flowers and leaves

Facet 3 FRESH, SUN-CURED

LEAVES WITH PODS:

Used with Facet 1 CHICKPEA, DOLICHOS HYACINTH, GRAM HORSE

Facet 3 SUN-CURED

See LEAVES; see PODS

LEAVES WITH PODS WITH SEEDS: Leaves and pods and seeds of the same kind of a legume or a crucifer.

Used with Facet 1 crucifers, legume species, LEGUMES

Facet 3 FRESH, SUN-CURED

See LEAVES; see PODS; see SEEDS

GLOSSARY 6.2 (Cont.)

Leaves With Stems: Use SERIAL PART

LEAVES WITHOUT PETIOLES WITHOUT VEINS:

Used with Facet 1 plants bearing leaves which have petioles and veins
Facet 3 FRESH, DEHYDRATED GROUND
See LEAVES; see PETIOLES; see VEINS

LEAVES WITHOUT PROTEIN: Leaves from which the protein has been removed.

Used with Facet 1 plants bearing proteinous leaves
Facet 3 DEHYDRATED
See LEAVES; see PROTEIN

LEAVES WITHOUT THORNS:

Used with Facet 1 Cactaceans bearing spines
Facet 3 FRESH
See LEAVES; see Thorns

LECITHIN: A specific phospholipid; the principal constituent of crude phosphatides derived from oil-bearing seeds.

Used with Facet 1 SOYBEAN

LEGS: The appendages of an animal that are used chiefly in supporting the body and in moving from point to point.

Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH

LINT: A fibrous coat of thickened convoluted hairs on the seeds of cotton plants.

Used with Facet 1 COTTON

LIPS: The fleshy folds that surround the mouth in vertebrates.

Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH

LIVER OIL: Oil extracted from liver, usually from fishes.

Used with Facet 1 FISH, SQUID
See LIVERS; See OIL

LIVER OIL VITAMINS A AND D ADDED:

Used with Facet 1 FISH
See LIVER OIL

LIVERS: Animal gland.

Used with Facet 1 vertebrates, ANIMAL, POULTRY, FISH
Facet 3 FRESH, BOILED, DEHYDRATED GROUND, WATER EXTRACTED,
FROZEN, DEHYDRATED

GLOSSARY 6.2 (Cont.)

LIVERS OIL RESIDUE: Residue remaining after the extraction of oil from livers.

Used with Facet 1 fish species, FISH

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND,
EXTRACTION UNSPECIFIED GROUND

For International Feed Name use LIVERS

LIVERS-GLANDS: Includes livers, spleens and other glandular tissue.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 GROUND, WATER EXTRACTED DEHYDRATED GROUND

See LIVERS; see GLAND TISSUE

LUNGS: Animal organ.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH

MALT: Sprouted and steamed whole grain from which the radicle has been removed.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 DEHYDRATED, FRESH

MALT CLEANINGS: Fine product obtained by recleaning malt; it has a lower protein content than malt sprouts.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 DEHYDRATED, WET

See MALT

Malt culms: Use MALT SPROUTS

Malt Distillers Grain: Use DISTILLERS GRAINS

MALT HULLS: Product consisting almost entirely of hulls as obtained in the cleaning of malting grain, lower protein content than malt cleanings.

Used with Facet 1 plants bearing cereal grain, CEREALS

See MALT; see HULLS

MALT SPROUTS: Brewery product including the sprouts and some hulls from malting grain; contains not less than 24% protein.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 WET, DEHYDRATED

MANURE: Feces and urine of animals without litter or bedding.

Used with Facet 1 domestic animal species, ANIMAL, POULTRY

Facet 3 DEHYDRATED, FRESH

MANURE AND LITTER: Manure plus fibrous material used on the floor of animal and poultry houses.

Used with Facet 1 animal species, ANIMAL, bird species, POULTRY

Facet 3 DEHYDRATED

See MANURE

GLOSSARY 6.2 (Cont.)

MANURE AND LEAVES: A combination of silkworm waste and mulberry leaves.
Used with Facet 1 MULBERRY, SILKWORM
Facet 3 SUN-CURED
See MANURE; see LEAVES

MANURE LIQUIDS: Leachings from manure.
Used with Facet 1 domestic animal species, ANIMAL
See MANURE

MEAT: Flesh obtained from (slaughtered) animals; it includes skeletal muscles, cardiac muscle, tongue, diaphragm and esophagus; sometimes the accompanying fat, skin, sinews, nerves and blood vessels.
Used with Facet 1 mammals, ANIMAL
Facet 3 FRESH, BOILED, DEHYDRATED, SUN-CURED, DRY RENDERED GROUND, HEAT PROCESSED

MEAT BY-PRODUCTS: Is the non-rendered, clean, wholesome parts other than meat, derived from slaughtered mammals; it includes--lungs, spleens, kidneys, brains, livers, blood, bones, partially defatted low temperature fatty tissue, and stomachs and intestines free of their contents. It does not include hair, horns, teeth and hoofs.
Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH
See MEAT; see BY-PRODUCT

MEAT OIL RESIDUE: Residue remaining after the extraction of oil from meat.
Used with Facet 1 WHALE
Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND

See MEAT

For International Feed Name use MEAT

MEAT SOLUBLES: Defatted water extract of slaughtered animals prepared by steaming or hot water extraction; has not less than 70% protein.
Used with Facet 1 vertebrates, ANIMAL except fishes
Facet 3 DEHYDRATED
See MEAT; see SOLUBLES

MEAT WITH BONE:
Used with Facet 1 ANIMAL, HORSE, WHALE
Facet 3 DRY RENDERED GROUND, FRESH
See MEAT; see BONES

MEAT WITH FAT:
Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH
See MEAT; see FAT

METHYL GLUCOSIDE OIL ESTER: Ester of coconut oil.
Used with Facet 1 COCONUT

GLOSSARY 6.2 (Cont.)

MILK: (1) Fluid secreted by the mammary glands; (2) liquid in coconuts (generally extracted manually).

Used with Facet 1 mammals, COCONUT

Facet 3 FRESH, DEHYDRATED, CONDENSED, DEHYDRATED ON ROLLERS,
SPRAY DEHYDRATED, STERILIZED HOMOGENIZED

MILK PROTEIN: The nitrogenous material found in milk.

Used with Facet 1 mammals (female), ANIMAL

Facet 3 DEHYDRATED

MILL RUN: By-product of flour-making, (1) including all portions of the grain and seed kernels except the flour; it comes from the mill ungraded and usually uninspected; (2) germs and hulls remaining from production of grits and dehulled soybean meal.

Used with Facet 1 plants bearing cereal grain and seeds, CEREALS

MILT: Fish sperm.

Used with Facet 1 fish species, FISH

Facet 3 FRESH

MOLASSES: Thick viscous by-product resulting from the manufacture of refined sugar.

Used with Facet 1 BEET SUGAR, CANE, DEXTROSE, GIANTREED, MAIZE, PALM DATE,
SUGARCANE, WOOD

Facet 3 DEHYDRATED, STEFFENS, CONDENSED, AMMONIATED, STEFFENS
DEHYDRATED, DEHYDRATED ON ROLLERS, SPRAY DEHYDRATED

MOLASSES DISTILLERS SOLUBLES: Liquid containing dissolved substances obtained from Molasses stillage.

Used with Facet 1 BEET SUGAR, SUGARCANE

Facet 3 DEHYDRATED, CONDENSED

See MOLASSES; see DISTILLERS SOLUBLES

MOLASSES FERMENTATION SOLUBLES: That portion of molasses stillage that passes through screens, being composed mostly of water, water-soluble substances and particles of the original material.

Used with Facet 1 BEET SUGAR, SUGARCANE

Facet 3 CONDENSED, DEHYDRATED, WET

See MOLASSES; see FERMENTATION SOLUBLES

MOLASSES FERMENTATION SOLUBLES LOW ASH:

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED

See MOLASSES FERMENTATION SOLUBLES

MOLASSES LOW PROTEIN LOW ASH:

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED

See MOLASSES

GLOSSARY 6.2 (Cont.)

MOLASSES LOW SUGAR:

Used with Facet 1 BEET SUGAR
See MOLASSES

MOLASSES MAIZE COB FRACTIONS ADDED:

Used with Facet 1 BEET SUGAR
Facet 3 DEHYDRATED
See MOLASSES; see COB FRACTIONS

MOLASSES SOYBEAN MILL RUN ADDED:

Used with Facet 1 BEET SUGAR
Facet 3 DEHYDRATED
See MOLASSES; see MILL RUN

MOLASSES UREA ADDED:

Used with Facet 1 SUGARCANE
See MOLASSES

MOLASSES YEAST SOLUBLES: Dissolved substances (and possible fine solids) in liquid obtained in processing yeast on the medium molasses.

Used with Facet 1 BEET SUGAR, SUGARCANE
Facet 3 CONDENSED, WET
See MOLASSES; see YEAST; see SOLUBLES

MUCILAGE: A gelatinous substance containing protein and polysaccharides found in some plants.

Used with Facet 1 AGAVE HENEQUEN, GUAR, SESBANIA PEA
Facet 3 DEHYDRATED OR SUN-CURED, FRESH

MUCILAGE SURROUNDING SEEDS: A gelatinous substance containing protein and polysaccharides that surrounds seeds of some plants.

Used with Facet 1 CACAO, CANARY TREE, APES-EARRING GUAMACHILL, BEAN LOCUST AFRICAN, TAMARIND
Facet 3 SUN-CURED, FRESH

See MUCILAGE; see SEEDS

MYCELIUM: Vegetative part of fungus.

Used with Facet 1 fungi
Facet 3 DEHYDRATED, FRESH

MYCELIUM PROCESS RESIDUE:

Used with Facet 1 PENICILLIN
Facet 3 SUN-CURED
See MYCELIUM

NECKS WITH BACKS:

Used with Facet 1 bird species, POULTRY
Facet 3 FRESH

See NECKS WITH BACK WITH WINGS WITH LEGS

GLOSSARY 6.2 (Cont.)

NECKS WITH BACKS WITH WINGS WITH LEGS: The clean wholesome parts of dressed poultry characterized by large bone.

Used with Facet 1 bird species, POULTRY
Facet 3 FRESH

NODES: Joints or knobs on stems, especially for grasses, from which leaves grow.

Used with Facet 1 gramineae
Facet 3 SUN-CURED

OIL: Substance consisting chiefly of triglycerides of fatty acids, is liquid at room temperature, and comes from animals, fish and plants.

Used with Facet 1 ANIMAL, FISH, VEGETABLE
Facet 3 STABILIZED, HYDROLYZED

OIL FROM PROCESS RESIDUE: Oil from parts of fish not prepared for human consumption.

Used with Facet 1 fish species, FISH
See OIL; see PROCESS RESIDUE

OIL REFINERY LIPID: Oil of inferior quality obtained as by-product in vegetable oil refineries.

Used with Facet 1 VEGETABLE
See OIL

OIL RESIDUE: Residue of yeast grown in a petroleum medium.

Used with Facet 1 YEAST
Facet 3 SOLVENT EXTRACTED DEHYDRATED

OIL SLUDGE: A precipitate or settling from palm oil.

Used with Facet 1 OILPALM AFRICAN
See OIL

OIL SLUDGE OIL RESIDUE:

Used with Facet 1 OILPALM AFRICAN
Facet 3 SOLVENT EXTRACTED, SOLVENT EXTRACTED FERMENTED
See OIL SLUDGE

For International Feed Name use OIL SLUDGE

OUTSIDE LEAVES: The outer leaves surrounding the heads of cabbage.

Used with Facet 1 CABBAGE
Facet 3 FRESH, DEHYDRATED
See LEAVES

PANCREAS: Animal gland.

Used with Facet 1 vertebrates, ANIMAL
Facet 3 FRESH

Paunch Contents: Use RUMEN CONTENTS

Pearl: To form into small, round grains.

GLOSSARY 6.2 (Cont.)

- PEARL BY-PRODUCT:** Material obtained from processing of pearl barley consisting of hulls, germs flour particles.
Used with Facet 1 BARLEY
See Pearl; see BY-PRODUCT
- PECTIN:** Colorless amorphous methylated pectic substance occurring in plant tissues or from fruit of succulent vegetables that yield viscous solutions with water and when combined with acid and sugar yields a gel.
Used with Facet 1 plants bearing fruit, PLANT
- PEELINGS:** Outer layers of fruits, vegetables, roots, tubers, and bulbs; generally with adjacent flesh.
Used with Facet 1 plants bearing fruit, roots, tubers, bulbs
Facet 3 FRESH, DEHYDRATED, GROUND, BOILED, SUN-CURED, DEHYDRATED OR SUN-CURED, BOILED DEHYDRATED OR SUN-CURED, DEHYDRATED GROUND
- PEELINGS WITH JUICE:** Of one kind of fruit, i.e., by-product of tomato pomace manufacturing.
Used with Facet 1 plants bearing fruit
Facet 3 DEHYDRATED
See PEELINGS; see JUICE
- PEELINGS WITH SEEDS:** From one kind of fruit.
Used with Facet 1 plants bearing fruit
Facet 3 DEHYDRATED, SUN-CURED, FRESH
See PEELINGS; see SEEDS
- PETALS:** Component part, or leaves of a corolla of a flower.
Used with Facet 1 plants bearing flowers
Facet 3 DEHYDRATED
- PETIOLES:** Footstalk of leaves connecting the blades with the stems.
Used with Facet 1 plants with leaves attached to the stems by petioles
Facet 3 FRESH
- PITH:** Continuous central strand of parenchymatous tissue occurring in the stems of most vascular plants or light parenchyma rich in thin-walled cells as center of plant stems.
Used with Facet 1 BOTTLETREE QUEENSLAND, SAGOPALM, SUGARCANE
Facet 3 FRESH, DEHYDRATED, SUN-CURED GROUND
- PITS:** Stones of drupaceous fruit.
Used with Facet 1 plants bearing drupaceous fruit especially OLIVE, PALM DATE, GUAVA COMMON, APRICOT, PEACH, PLUM
Facet 3 BOILED, GROUND, ROASTED
- PITS ALCOHOL PROCESS RESIDUE:** Material remaining after the fermentation of date pits and the extraction of the alcohol.
Used with Facet 1 plants bearing fruit with pits especially PALM DATE
Facet 3 DEHYDRATED GROUND
See PITS; see PROCESS RESIDUE

GLOSSARY 6.2 (Cont.)

PITS OIL: The liquid triglycerides removed from olive pits.

Used with Facet 1 OLIVE

See PITS; see OIL

PITS OIL RESIDUE: Material remaining after the extraction of oil from pits.

Used with Facet 1 APRICOT, PALM DATE, OLIVE

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION
UNSPECIFIED

See PITS

For International Feed Name use PITS

PITS SYRUP PROCESS RESIDUE: Material remaining after the extraction of syrup from date pits.

Used with Facet 1 plants bearing fruit with pits especially PALM DATE

Facet 3 DEHYDRATED GROUND, WET

See PITS; see SYRUP; see PROCESS RESIDUE

PODS: Dehiscent seed vessels of fruit of most legumes (including peanuts) and all crucifers and similar plants.

Used with Facet 1 legume species, LEGUMES, crucifers, also OKRA, SESAME,
VANILLA

Facet 3 SUN-CURED, FRESH, DEHYDRATED GROUND, ENSILED, DEHYDRATED,
SUN-CURED GROUND

PODS MOLASSES ADDED: Usually from two plant species.

Used with Facet 1 PEANUT

See PODS; see MOLASSES

PODS WITH SEED COATS: Pods and coats from one kind of plant.

Used with Facet 1 legume species, LEGUMES

Facet 3 GROUND

See PODS; see SEED COATS

PODS WITH SEEDS: Entire fruit of most legumes.

Used with Facet 1 legume species, LEGUMES, crucifers, also OKRA and SESAME

Facet 3 FRESH, SUN-CURED, STEAMED, DEHYDRATED, DEHYDRATED OR SUN-
CURED, SUN-CURED GROUND

See PODS; see SEEDS

PODS WITH SEEDS OIL RESIDUE: Material remaining after the extraction of oil from the fruit of legumes.

Used with Facet 1 legume species, LEGUMES

Facet 3 MECHANICAL EXTRACTED, MECHANICAL EXTRACTED CAKED,
MECHANICAL EXTRACTED FERMENTED, MECHANICAL EXTRACTED
GROUND, SOLVENT EXTRACTED GROUND

See PODS; see SEEDS

For International Feed Name use PODS WITH SEEDS

GLOSSARY 6.2 (Cont.)

PODS WITH SEEDS SODIUM CARBONATE ADDED OIL RESIDUE:

Used with Facet 1 PEANUT

Facet 3 SOLVENT EXTRACTED GROUND

See PODS; see SEEDS

For International Feed Name use PODS WITH SEEDS SODIUM CARBONATE ADDED

PODS WITHOUT TANNIN: Most of the tannic acid has been removed from the pods.

Used with Facet 1 TARA, legumes producing tannin

Facet 3 GROUND

See PODS

POLISHINGS: By-product of rice consisting of the fine residue that accumulates as the rice kernels are polished (after hulls and bran have been removed).

Used with Facet 1 RICE

Facet 3 BOILED DEHYDRATED

POLISHINGS CALCIUM CARBONATE ADDED:

Used with Facet 1 RICE

Facet 3 DEHYDRATED

See POLISHINGS

POLISHINGS OIL RESIDUE: Material remaining after the extraction of oil from polishings.

Used with Facet 1 RICE

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION UNSPECIFIED

See POLISHINGS

For International Feed Name use POLISHINGS

POLLEN: Yellow, powderlike male sex cells on the stamens of flowers.

Used with Facet 1 flowering plants

POMACE: The substance remaining after crushing, and pressing of fleshy fruit to remove the juice. It includes seeds and skins when present.

Used with Facet 1 plants bearing fleshy FRUIT including CITRUS

Facet 3 ENSILED, WET, PELLETED, DEHYDRATED OR SUN-CURED, FRESH, FERMENTED DEHYDRATED OR SUN-CURED, ENSILED DEHYDRATED OR SUN-CURED, AMMONIATED DEHYDRATED OR SUN-CURED, FERMENTED WET

POMACE ALCOHOL PROCESS RESIDUE: Material remaining after the fermentation and extraction of alcohol from date pomace.

Used with Facet 1 PALM DATE

Facet 3 DEHYDRATED GROUND, WET

POMACE CALCIUM HYDROXIDE ADDED:

Used with Facet 1 APPLE WILDCRAB

Facet 3 DEHYDRATED OR SUN-CURED, NEUTRALIZED DEHYDRATED OR SUN-CURED

See POMACE

GLOSSARY 6.2 (Cont.)

POMACE FINES: Fine fruit particles that pass through a screen with very small openings.

Used with Facet 1 plants bearing fleshy fruit
Facet 3 DEHYDRATED OR SUN-CURED, WET
See POMACE

POMACE OAT HULLS ADDED:

Used with Facet 1 plants bearing fleshy fruit
Facet 3 DEHYDRATED OR SUN-CURED, WET
See POMACE; see HULLS

POMACE SYRUP PROCESS RESIDUE: Material remaining after the syrup is extracted from pomace.

Used with Facet 1 PALM DATE
Facet 3 DEHYDRATED GROUND, WET
See POMACE; see SYRUP; see PROCESS RESIDUE

POMACE WITH MOLASSES:

Used with Facet 1 CITRUS
Facet 3 DEHYDRATED, WET
See POMACE; see MOLASSES

POMACE WITHOUT FINES:

Used with Facet 1 plants bearing fleshy fruit
Facet 3 DEHYDRATED or SUN-CURED, AMMONIATED DEHYDRATED OR
SUN-CURED, WET
See POMACE FINES; see POMACE

POMACE WITHOUT PECTIN: Material remaining after pectin has been removed from pomace.

Used with Facet 1 plants bearing fleshy fruit
Facet 3 DEHYDRATED OR SUN-CURED, WET
See POMACE; see PECTIN

POMACE WITHOUT PEELINGS:

Used with Facet 1 plants bearing fleshy fruit
Facet 3 DEHYDRATED OR SUN-CURED, WET
See POMACE; see PEELINGS

Pot Ale: Use DISTILLERS SOLUBLES

PROCESS RESIDUE: Material remaining after some of the constituents of the original material have been removed in the manufacture of human food (cannery residue); for pineapple it includes cores and trimmings, for red pepper it includes placenta and stems, for maize it includes cobs and husks.

Used with Facet 1 plants and fishes that are used in the manufacture of human food.

Facet 3 DEHYDRATED GROUND, ENSILED, HEAT PROCESSED, WET, GROUND,
DEHYDRATED, BOILED, FERMENTED, WATER EXTRACTED WET

GLOSSARY 6.2 (Cont.)

PROCESS RESIDUE CALCIUM CARBONATE ADDED:

Used with Facet 1 POTATO
Facet 3 DEHYDRATED
See PROCESS RESIDUE

PROCESS RESIDUE MOLASSES ADDED:

Used with Facet 1 PINEAPPLE
Facet 3 DEHYDRATED, WET
See PROCESS RESIDUE; see MOLASSES

PROCESS RESIDUE SALT ADDED:

Used with Facet 1 SOYBEAN
Facet 3 DEHYDRATED
See PROCESS RESIDUE

PROTEIN: Any of a large class of naturally occurring complex combinations of amino acids.

Used with Facet 1 plants, ANIMAL, bacteria
Facet 3 DEHYDRATED, ISOLATED, CHEMICALLY MODIFIED

PROTEIN CONCENTRATE: Concentrated source of protein.

Used with Facet 1 ALFALFA, COCONUT, PEA DUN, CLOVER EGYPTIAN, FISH, GRASS, SOYBEAN
Facet 3 DEHYDRATED
See PROTEIN

PROTEIN CONCENTRATE OIL RESIDUE: Material remaining after the extraction of oil from a concentrated protein.

Used with Facet 1 FISH
Facet 3 SOLVENT EXTRACTED
See PROTEIN CONCENTRATE

For International Feed Name use PROTEIN CONCENTRATE

PROTEIN OIL RESIDUE: The material remaining after the extraction of oil from a protein substance.

Used with Facet 1 fish species, FISH, COCONUT, SOYBEAN
Facet 3 SOLVENT EXTRACTED GROUND

See PROTEIN

For International Feed Name use PROTEIN

PROTEIN RESIDUE: The nitrogenous material remaining after the removal of certain constituents from fish.

Used with Facet 1 fish species, FISH
Facet 3 HYDROLYZED DEHYDRATED

GLOSSARY 6.2 (Cont.)

PULP: Solid residue remaining after juice extraction from roots by mechanical means.

Used with Facet 1 plants with roots and tubers especially BEETS, CARROT, CASSAVA, LAUREL PERSEA

Facet 3 DEHYDRATED OR SUN-CURED, ENILED, WET, AMMONIATED EXTRACTED DEHYDRATED OR SUN-CURED, AMMONIATED DEHYDRATED OR SUN-CURED, DEHYDRATED PELLETTED, MANUALLY EXTRACTED DEHYDRATED OR SUN-CURED, MANUALLY EXTRACTED ENILED, MANUALLY EXTRACTED WET, PRESSED, PRESSED ENILED, SEPA EXTRACTED DEHYDRATED OR SUN-CURED, STEAMED, DEHYDRATED GROUND

PULP WITH MOLASSES: Usually from one kind of plant.

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED OR SUN-CURED, PRESSED, PRESSED ENILED, WET

See PULP; see MOLASSES

PULP WITH MOLASSES WITH SODIUM GLUTAMATE RESIDUE:

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED OR SUN-CURED

See PULP; see MOLASSES

PULP WITH SODIUM GLUTAMATE RESIDUE:

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED OR SUN-CURED, WET

See PULP

PULP WITH STEFFENS FILTRATE: Heated wet-pressed pulp with a minimum content of 28% sugar.

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED OR SUN-CURED, WET

See PULP; see STEFFENS FILTRATE

PUPAE: Insect in the stage of development between larva and imago.

Used with Facet 1 insects

Facet 3 DEHYDRATED

PUPAE OIL RESIDUE: Material remaining after the extraction of oil from pupae.

Used with Facet 1 SILKWORM

Facet 3 EXTRACTION UNSPECIFIED, SOLVENT EXTRACTED

See PUPAE

For International Feed Name use PUPAE

RIND: Hard or firm outer layer.

Used with Facet 1 SUGARCANE

Facet 3 FRESH

ROE: The eggs of a fish.

Used with Facet 1 fish species, FISH

Facet 3 FRESH, DEHYDRATED

GLOSSARY 6.2 (Cont.)

ROOT TIPS: Lower part of roots.

Used with Facet 1 BEET SUGAR

Facet 3 DEHYDRATED

See ROOTS

ROOTS: Subterranean part of plants which functions as an organ of absorption, aeration and food storage, and as a means of anchorage and support.

Used with Facet 1 plants with roots

Facet 3 if dried use DEHYDRATED OR SUN-CURED; STEAMED, ENSILED, FRESH, BOILED

ROOTS OIL RESIDUE: Material remaining after the extraction of oil from roots.

Used with Facet 1 plants with oily roots

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND

See ROOTS

For International Feed Name use ROOTS

ROOTS WITHOUT PEELINGS: Peeled roots.

Used with Facet 1 plants with fleshy roots

Facet 3 BOILED, FRESH, DEHYDRATED OR SUN-CURED

See ROOTS; see PEELINGS

ROUNDS: Superior part of meat from the thighs of ungulates.

Used with Facet 1 mammals

Facet 3 FRESH

RUMEN CONTENTS: Contents of the first stomach in ruminants.

Used with Facet 1 ruminants

Facet 3 DEHYDRATED, WET

SAUSAGE RESIDUE: By-product obtained during sausage fabrication.

Used with Facet 1 animal species, ANIMAL, POULTRY

Facet 3 FRESH

SAWDUST: Minute particles of wood obtained during wood sawing.

Used with Facet 1 trees, shrubs, WOOD

Facet 3 DEHYDRATED, TREATED WITH CALCIUM HYDROXIDE WET

Scales: Small, more or less flattened, rigid and definitely circumscribed plates forming part of the external body covering.

SCREENINGS REFUSE: Screenings from a mixture of cereal grains and/or oil seeds.

Used with Facet 1 plants bearing grain and oil seeds.

SEED COATS: Outer covering of seeds, i.e., legumes.

Used with Facet 1 plants bearing seeds except those listed under HULLS

Facet 3 GROUND, ENSILED

See SEEDS

GLOSSARY 6.2 (Cont.)

SEED COATS MOLASSES ADDED:

Used with Facet 1 PEA

Facet 3 ENSILED

See SEED COATS; see MOLASSES

SEED COATS OIL RESIDUE: The material remaining after the extraction of oil from seed coats.

Used with Facet 1 plants bearing oil seeds except those quoted under HULLS
Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND,
EXTRACTION UNSPECIFIED GROUND

See SEED COATS

For International Feed Name use SEED COATS

SEED COATS WITH GERMS: Seed coats and germs from peanuts.

Used with Facet 1 PEANUT

See SEED COATS; see GERMS

SEED COATS WITH GERMS OIL RESIDUE: Material remaining after the extraction of oil from seed coats and germs from peanuts.

Used with Facet 1 PEANUT

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED

See SEED COATS; see GERMS

For International Feed Name use SEED COATS WITH GERMS

SEED HEADS: Uppermost part of a plant that contains the seeds, i.e.,
SUNFLOWER SEED HEADS.

Used with Facet 1 SAFFLOWER, SUNFLOWER

Facet 3 SUN-CURED, FRESH

SEED HEADS WITHOUT SEEDS: Seed heads after removal of the seeds.

Used with Facet 1 SAFFLOWER, SUNFLOWER

Facet 3 SUN-CURED

See SEED HEADS; see SEEDS

SEED SCREENINGS: Grain, weed seeds, hulls, coats, chaff, joints, straw, dust, sand and dirt separated from seeds during cleaning (by sieving).

Used with facet 1 plants bearing grain or seeds

SEED SCREENINGS OIL RESIDUE: Material remaining after the extraction of oil from seed screenings.

Used with Facet 1 FLAX

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND

See SEED SCREENINGS

For International Feed Name use SEED SCREENINGS

SEED STARCH: Most of the carbohydrate portion of the seed.

Used with Facet 1 plants bearing starchy seeds.

See GRAIN STARCH

GLOSSARY 6.2 (Cont.)

SEEDS: Fertilized and ripened ovule with its protective covering, except cereal plants (for those use GRAIN). For cotton it includes the lint, otherwise, use SEEDS WITHOUT LINT.

Used with Facet 1 plants bearing seeds (except plants bearing cereal grain)

Facet 3 usually no process descriptor is used for whole mature seeds. The following, however, are in the system: AUTOCLAVED, BOILED, STEAMED, TOASTED, BOILED DEHYDRATED, GROUND, HEAT PROCESSED, FLAKED TOASTED, BITTERNESS EXTRACTED, SCREENED GROUND, ENSILED, EXTRUDED GROUND, PELLETED, THERMALLY EXPANDED, STEEPED, DEHYDRATED. Use FRESH for unripe seeds

Facet 4 IMMATURE or GERMINATED; no maturity descriptor is used for whole mature seeds.

SEEDS GUMS ADDED OIL RESIDUE: Material remaining after the extraction of oil from seeds; the seed gums were added back to the oil meal.

Used with Facet 1 RAPE TURNIP

Facet 3 SOLVENT EXTRACTED GROUND

See SEEDS

For International Feed Name use seeds gums added

SEEDS HULLS ADDED: Seeds (undecorticated) to which seed hulls of the same kind of plant have been added.

Used with Facet 1 COTTON, further plants see under HULLS

See SEEDS; see HULLS

SEEDS HULLS ADDED OIL RESIDUE: Material remaining after the extraction of oil from seeds hulls added.

Used with Facet 1 COTTON

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND

See SEEDS HULLS ADDED; see SEEDS; see HULLS

For International Feed Name use SEEDS HULLS ADDED

SEEDS LOW GOSSYPOL OIL RESIDUE: Material remaining after most of the gossypol and oil have been removed.

Used with Facet 1 COTTON

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND

See SEEDS

For International Feed Name use SEEDS LOW GOSSYPOL

SEEDS LOW PROTEIN LOW CARBOHYDRATES OIL RESIDUE: Material remaining after most of the protein, carbohydrates and oil have been removed.

Used with Facet 1 SOYBEAN

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND, EXTRACTION UNSPECIFIED GROUND

See SEEDS; see PROTEIN

For International Feed Name use SEEDS LOW PROTEIN LOW CARBOHYDRATES

GLOSSARY 6.2 (Cont.)

SEEDS OIL: A substance recovered from oil bearing seeds during the extraction process.

Used with Facet 1 plants bearing oil seeds.

See SEEDS; see OIL

For International Feed Name use OIL

SEEDS OIL RESIDUE: Material remaining after the extraction of oil from seeds.

Use with Facet 1 plants bearing oil seeds or nuts

Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED, EXTRACTION UNSPECIFIED, ROASTED, PREPRESSED SOLVENT EXTRACTED GROUND, BOILED PREPRESSED SOLVENT EXTRACTED GROUND, MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND, MECHANICAL EXTRACTED PELLETED, MECHANICAL EXTRACTED FLAKED, MECHANICAL EXTRACTED CAKED, SOLVENT EXTRACTED AMMONIATED GROUND, MECHANICAL EXTRACTED CAKED, MANUALLY EXTRACTED, KIBBLED SOLVENT EXTRACTED, MECHANICAL EXTRACTED TOASTED GROUND, SOLVENT EXTRACTED TOASTED GROUND, SOLVENT EXTRACTED STEAMED GROUND

See SEEDS

For International Feed Name use SEEDS

SEEDS UNSCREENED OIL RESIDUE: Material remaining after the extraction of oil from seeds unscreened (inferior quality compared with seeds oil residue).

Used with Facet 1 FLAX

Facet 3 MECHANICAL EXTRACTED CAKED

See SEEDS

For International Feed Name use SEEDS UNSCREENED

SEEDS WITH MUCILAGE:

Used with Facet 1 BEAN LOCUST AFRICAN

Facet 3 SUN-CURED

See SEEDS; see MUCILAGE

SEEDS WITH SOME HULLS OIL RESIDUE: Residue of seeds from which only a certain proportion of the hulls have been removed prior to the oil extraction.

Used with Facet 1 plants bearing oil seeds, except LEGUMES

Facet 3 MECHANICAL EXTRACTED CAKED, MECHANICAL EXTRACTED GROUND, MECHANICAL EXTRACTED PELLETED, SOLVENT EXTRACTED GROUND

See SEEDS; see HULLS

For International Feed Name use SEEDS WITH SOME HULLS

SEEDS WITH SOME PODS OIL RESIDUE: Material remaining after the extraction of oil from seeds with some pods.

Used with Facet 1 PEANUT

Facet 3 MECHANICAL EXTRACTED GROUND, MECHANICAL EXTRACTED TOASTED GROUND, SOLVENT EXTRACTED GROUND, SOLVENT EXTRACTED PELLETED

See SEEDS; see PODS

For International Feed Name use SEEDS WITH SOME PODS

GLOSSARY 6.2 (Cont.)

SEEDS WITHOUT COATS: Seeds from which the coats have been removed, i.e., legumes.

Used with Facet 1 plants bearing seeds except those quoted under HULLS
Facet 3 FRESH, FERMENTED, CRACKED, BOILED, AUTOCLAVED, TOASTED,
GROUND, BITTERNESS EXTRACTED, DEHYDRATED, SUN-CURED
GROUND, BOILED SUN-CURED GROUND, BOILED GROUND

See SEEDS; see COATS

SEEDS WITHOUT COATS OIL RESIDUE: Material remaining after the extraction of oil from seeds without coats (oil meal from decorticated seeds).

Used with Facet 1 MALLOW MELUCA, LEKKERBREEK, PAPPEA CAPENSIS, PEANUT
Facet 3 MECHANICAL EXTRACTED, SOLVENT EXTRACTED GROUND, EXTRACTION
UNSPECIFIED, MECHANICAL EXTRACTED GROUND, MECHANICAL
EXTRACTED CAKED, MECHANICAL EXTRACTED FLAKED, SOLVENT
EXTRACTED SULFURIZED

See SEEDS; see COATS

For International Feed Name use SEEDS WITHOUT COATS

SEEDS WITHOUT ENDOSPERM Seeds from which the endosperm has been removed.

Used with Facet 1 GUAR

Facet 3 DEHYDRATED GROUND, GROUND, TOASTED

See SEEDS; see ENDOSPERM

SEEDS WITHOUT HULLS: Decorticated seeds.

Used with Facet 1 plants bearing oil seeds except legumes

Facet 3 BOILED, BOILED DEHYDRATED GROUND, HEAT PROCESSED GROUND

See SEEDS; see HULLS; see SEEDS WITHOUT COATS

SEEDS WITHOUT HULLS OIL RESIDUE: Material remaining after the extraction of oil from seeds without hulls (oil meal from decorticated seeds).

Used with Facet 1 plants bearing oil seeds except legumes

Facet 3 MECHANICAL EXTRACTED CAKED, MECHANICAL EXTRACTED,
MECHANICAL EXTRACTED GROUND, MECHANICAL EXTRACTED TOASTED
GROUND, SOLVENT EXTRACTED GROUND, SOLVENT EXTRACTED
PELLETED, SOLVENT EXTRACTED TOASTED GROUND

See SEEDS; see HULLS; see SEEDS WITHOUT HULLS

For International Feed Name use SEEDS WITHOUT HULLS

SEEDS WITHOUT HULLS WITHOUT TOXIN: Decorticated detoxified seeds.

Used with Facet 1 CASTORBEAN and other plants bearing seeds with toxins

Facet 3 GROUND

See SEEDS; see HULLS; see SEEDS WITHOUT HULLS; see TOXINS

SEEDS WITHOUT LINT: Adherent fibers have been removed.

Used with Facet 1 COTTON

See SEEDS; see LINT

GLOSSARY 6.2 (Cont.)

SEEDS WITHOUT LINT OIL RESIDUE: Material remaining after the extraction of oil from seeds without lint.

Used with Facet 1 COTTON

Facet 3 MECHANICAL EXTRACTED GROUND, SOLVENT EXTRACTED GROUND,
EXTRACTION UNSPECIFIED GROUND

See SEEDS; see LINT

For International Feed Name use SEEDS WITHOUT LINT

SEEDS WITHOUT PROTEIN: Seeds from which the protein has been removed.

Used with Facet 1 plants bearing seeds rich in protein from which the protein has been removed

Facet 3 DEHYDRATED

See SEEDS; see PROTEIN

SEEDS WITHOUT TOXIN: Detoxified seeds.

Used with Facet 1 CASTORBEAN and other plants bearing seeds with toxins

Facet 3 GROUND

See SEEDS; see TOXINS

SHELLS: Hard fibrous or calcareous covering of a plant or animal product.

Used with Facet 1 plants bearing nuts and crustaceans

Facet 3 FRESH, GROUND, SUN-CURED

SHOOTS: Immature above ground parts of plants; for trees and shrubs use BROWSE.

Used with Facet 1 plants except trees and shrubs

Facet 3 BOILED, FRESH, WILTED, SUN-CURED, STEAMED, ENSILED

SILK: Styles of the ears of maize.

Used with Facet 1 MAIZE

Facet 3 SUN-CURED

SKIMMILK: Milk from which most of the fat has been removed.

Used with Facet 1 mammals

Facet 3 CENTRIFUGED CONDENSED, CENTRIFUGED DEHYDRATED,
CENTRIFUGED DEHYDRATED ON ROLLERS, CENTRIFUGED FRESH,
CENTRIFUGED SPRAY DEHYDRATED, CULTURED CONDENSED,
CULTURED DEHYDRATED, GRAVITY SEPARATED FRESH

SKIMMILK WITHOUT ALBUMIN: Skimmilk from which the albumin has been removed.

Used with Facet 1 animal species, CATTLE

Facet 3 DEHYDRATED

See SKIMMILK; see ALBUMIN

SKIN FLESHINGS: Scrapings from hides of slaughtered animals; skins with hair, subcutis with adherent fat and meat.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 ACID HYDROLYZED WET RENDERED, FRESH

GLOSSARY 6.2 (Cont.)

SKIN SPLITS: Material removed in sizing skin pelts for leather making.

Used with Facet 1 animal species, ANIMAL

Facet 3 ACID HYDROLYZED DRY OR WET RENDERED GROUND

See SKINS

SKINS: Dermal tissue of animals.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH

SOLUBLES: Dissolved substances (and possibly fine solids) in liquids obtained in processing fish, whale, or soybean flakes.

Used with Facet 1 fish species, FISH, mammals, SOYBEAN

Facet 3 CONDENSED, FRESH, DEHYDRATED, SPRAY DEHYDRATED, TREATED WITH LIGNOSULFONIC ACID DEHYDRATED

SOYSAUCE PROCESS RESIDUE: Material remaining after soysauce is extracted from soybeans.

Used with Facet 1 SOYBEAN

Facet 3 DEHYDRATED, WET

SPENT RESIDUE LIQUID: Liquid residue that remains after extracting starch from potatoes.

Used with Facet 1 POTATO

Facet 3 DEHYDRATED

SPLEENS: Animal organ.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH

SPLIT SEED BY-PRODUCT: Secondary product from splitting peas.

Used with Facet 1 PEA, PIGEONPEA

STARCH: White granular polymer found in roots and tubers.

Used with Facet 1 CASSAVA COMMON, BABASSU MARTIUS, POTATO, SAGOPALM SMOOTH, SWEETPOTATO

Facet 3 ENSILED, GELATINIZED, FRESH, HEAT PROCESSED, GELATINIZED PARTIALLY HYDROLYZED

STARCH PROCESS RESIDUE: Material left from starch extraction.

Used with Facet 1 plants bearing cereal grain, seeds, or tubers, CEREALS,

Facet 3 DEHYDRATED, PRESSED, WET, WASHED SCREENED WET, FERMENTED DEHYDRATED, MALTASE TREATED DEHYDRATED GROUND, DEHYDRATED GROUND

See STARCH; see PROCESS RESIDUE

STARCH PROCESS RESIDUE WITH SPENT RESIDUE LIQUID:

Used with Facet 1 POTATO

Facet 3 FLAKED DEHYDRATED

See STARCH PROCESS RESIDUE; see SPENT RESIDUE LIQUID

GLOSSARY 6.2 (Cont.)

STEARIN OIL: An ester of glycerol and stearic acid.

Used with Facet 1 OILPALM AFRICAN

See OIL

STEFFENS FILTRATE: The filtrate obtained from the precipitation of calcium sucrate in the steffen process and used chiefly as a source of amino acids.

Used with Facet 1 BEET SUGAR

Facet 3 CONDENSED

STEM BUTTS: Stem ends that are opposite from the flowering ends.

Used with Facet 1 ASPARAGUS

Facet 3 DEHYDRATED GROUND, FRESH

See STEMS

STEMS: Coarse above ground parts of plants which serve as supporting structures for leaves, buds and fruit (grapes, banana, raspberries, etc.); stalks, petioles of parsley.

Used with Facet 1 plants producing stems

Facet 3 FRESH, DEHYDRATED, SUN-CURED, GROUND, FAN AIR DRIED

STEMS WHEAT BRAN ADDED: Usually from two different kind of plants.

Used with Facet 1 BANANA

Facet 3 ENSILED

See STEMS; see BRAN

STEMS WITH HEADS: Stems with flower heads used as vegetable.

Used with Facet 1 BROCCOLI

Facet 3 FRESH

See STEMS; see HEADS

Stems with Leaves: Use AERIAL PART; for trees and shrubs use BROWSE

STEMS WITH MOLASSES: Usually from the same plant species.

Used with Facet 1 SUGARCANE

Facet 3 DEHYDRATED GROUND

See STEMS; see MOLASSES

STEMS WITH PODS: Stems (above ground) to which the pods (empty) of underground fruit of the same kind of plant have been added.

Used with Facet 1 PEANUT

Facet 3 SUN-CURED

STEMS WITH PODS WITH SEEDS:

Used with Facet 1 CHICKPEA, JACKBEAN COMMON

Facet 3 SUN-CURED, FRESH

See STEMS; see PODS WITH SEEDS

STEMS WITH SEEDS:

Used with Facet 1 plants producing seeds, VINE-REED MAURITANIA

Facet 3 FRESH

See STEMS; see SEEDS

STEMS WITH TASSELS:

Used with Facet 1 MAIZE
Facet 3 FRESH, SUN-CURED
See STEMS; see TASSELS

STEMS WITHOUT BARK:

Used with Facet 1 SAGOPALM SMOOTH
Facet 3 SUN-CURED
See STEMS; see BARK

STEMS WITHOUT THORNS:

Used with Facet 1 CEREUS MANDACARU, ROSE, cactaceae bearing spines
Facet 3 FRESH
See STEMS; see Thorns

STEROL: Solid cyclic alcohols that are the major constituents of the unsaponifiable part of animal and vegetable fats and oils.

Used with Facet 1 plants, PLANT and animal species, ANIMAL
Facet 3 IRRADIATED

STOMACHS: The digestive organ of vertebrates into which feed enters from the esophagus.

Used with Facet 1 monogastric animals and ruminants
Facet 3 FRESH

STOMACHS WITH INTESTINES:

Used with Facet 1 animal species, ANIMAL
Facet 3 DEHYDRATED GROUND
See STOMACHS; see INTESTINES

STRAW: Above ground plant residue remaining after separation of the seeds (cereal grain, peas, beans) by threshing (when not ripe, use AERIAL PART WITHOUT ... + FRESH, HAULM, HAULM WITH PODS).

Used with Facet 1 plants bearing grain or seeds, CEREALS, LEGUMES
Facet 3 TREATED WITH SODIUM HYDROXIDE WET, TREATED WITH SODIUM SULFIDE DEHYDRATED, AMMONIATED, TREATED WITH SODIUM HYDROXIDE DEHYDRATED, TREATED WITH SODIUM HYDROXIDE, GROUND, ACID HYDROLYZED TREATED WITH CALCIUM HYDROXIDE WET, ENILED, BOILED, STEAM DEHYDRATED, TREATED WITH HYDROCHLORIC ACID DEHYDRATED, TREATED WITH HYDROCHLORIC ACID DEHYDRATED GROUND, AMMONIATED HEAT PROCESSED PELLETTED, TREATED WITH SODIUM HYDROXIDE HEAT PROCESSED PELLETTED, TREATED WITH SODIUM BICARBONATE DEHYDRATED, TREATED WITH CALCIUM HYDROXIDE DEHYDRATED

STRAW AND AERIAL PART MOLASSES ADDED: Two different parts of two different origins with an additive (for improving the palatability of the feed).

Used with Facet 1 BARLEY-ALFALFA
Facet 3 PELLETTED
See STRAW; see AERIAL PART; see MOLASSES

GLOSSARY 6.2 (Cont.)

STRAW FIBER PROCESS RESIDUE: Residue remaining after mechanically removing fiber from straw.

Used with Facet 1 FLAX

Facet 3 GROUND

See STRAW; see FIBER PROCESS RESIDUE

STRAW MOLASSES ADDED:

Used with Facet 1 plants bearing grain or seeds, CEREALS, LEGUMES

Facet 3 CUBED, PELLETED, ENSILED

See STRAW; see MOLASSES

STRAW PROPIONIC ACID ADDED:

Used with Facet 1 WHEAT

Facet 3 HEAT PROCESSED PELLETED

See STRAW

STRAW WITH CHAFF:

Used with Facet 1 WHEAT

See STRAW; see CHAFF

STUBBLE: Lower parts of plant stems that remain standing in the field after harvest.

Used with Facet 1 plants bearing grain, CEREALS

Facet 3 FRESH

SUGAR: Crystallizable substance that consists essentially of sucrose.

Used with Facet 1 MAIZE, MAPLE, BEET SUGAR, SUGARCANE, WOOD

SYRUP: Concentrated juice of fruit, grain or other plant parts.

Used with Facet 1 APPLE, CITRUS, MAIZE, GRAPE, PALM DATE, PEAR, PINEAPPLE

Facet 3 AMMONIATED, DEHYDRATED, CONDENSED

SYRUP PROCESS RESIDUE: Material remaining from refining maize syrup.

Used with Facet 1 MAIZE

See SYRUP; see PROCESS RESIDUE

TALLOW: Animal fat growing around the kidneys, with titer above 40°.

Used with Facet 1 mammals, ANIMAL

Facet 3 BLEACHED STABILIZED

TASSELS: Male inflorescences of certain plants.

Used with Facet 1 MAIZE, DIPLOLOPHIUM AFRICANUM

Facet 3 ENSILED, FRESH, SUN-CURED

TENDONS: Hard inelastic cords by which muscles are attached to bones.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH

TESTICLES: Oval sex glands in the male that are suspended in the scrotum and secrete spermatozoa.

Used with Facet 1 male vertebrates, ANIMAL

Facet 3 FRESH

GLOSSARY 6.2 (Cont.)

THYMUS: Ductless glandular structure in higher types of animals.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH

Thorns: Short indurated sharp-pointed and leafless branches.

TIPS OF LEAVES: Ends of leaves.

Used with Facet 1 plants bearing big leaves, i.e. palms.

Facet 3 FRESH

See LEAVES

TONGUES: A fleshy movable organ on the floor of the mouth of most vertebrates. It contains sensory end organs and small glands, and assists in the mastication and swallowing of food.

Used with Facet 1 vertebrates, ANIMAL

Facet 3 FRESH

TOP OF AERIAL PART: The upper portion of a plant, but not trees and shrubs.

Used with Facet 1 plants which are not trees or shrubs, i.e., SUGARCANE

Facet 3 FRESH, DEHYDRATED, SUN-CURED, ENSILED

See AERIAL PART; see BROWSE

TOP OF AERIAL PART MOLASSES ADDED:

Used with Facet 1 SUGARCANE

Facet 3 ENSILED

See TOP OF AERIAL PART; see MOLASSES

TOP OF AERIAL PART WITH LEAVES:

Used with Facet 1 MAIZE, SUGARCANE

Facet 3 FRESH

See TOP OF AERIAL PART; see LEAVES

Toxins: Colloidal substances related to proteins and usually very unstable are notably toxic when introduced into the tissues of animals

TRACHEA: The tubes through which air is transported to and from the lungs.

Used with Facet 1 vertebrates, ANIMAL, POULTRY

Facet 3 FRESH

TRIPE: Part of the stomachs of ruminants when dressed and prepared for food.

Used with Facet 1 ruminants

Facet 3 FRESH

Trub: Use BREWERS SOLUBLES

GLOSSARY 6.2 (Cont.)

TUBERS: Short thickened fleshy stems or rhizomes that usually form underground and bear minute scaled leaves, each with a bud capable of developing a new plant.

Used with Facet 1 tuber bearing plants, i.e., CASSAVA, POTATO, SWEETPOTATO
Facet 3 DEHYDRATED OR SUN-CURED, BOILED, FRESH, BOILED ENSILED, STEAMED DEHYDRATED GROUND, DEHYDRATED PELLETED, SHREDDED DEHYDRATED OR SUN-CURED, PELLETED, SUN-CURED CHOPPED, STEAMED, FLAKED DEHYDRATED, FROZEN, FROZEN BOILED, ROASTED DEHYDRATED

TUBERS ALFALFA AERIAL PART ADDED:

Used with Facet 1 POTATO
Facet 3 ENSILED
See TUBERS; see AERIAL PART

TUBERS MAIZE GRAIN GROUND ADDED:

Used with Facet 1 POTATO
Facet 3 ENSILED
See TUBERS; see GRAIN

TUBERS UREA ADDED:

Used with Facet 1 POTATO
Facet 3 FLAKED DEHYDRATED
See TUBERS

TUBERS WITH LEAVES:

Used with Facet 1 CASSAVA COMMON
Facet 3 PELLETED
See TUBERS; see LEAVES

TUBERS WITH LEAVES WITH SOME TWIGS:

Used with Facet 1 CASSAVA COMMON
Facet 3 DEHYDRATED
See TUBERS; see LEAVES; see TWIGS

TUBERS WITH STEMS:

Used with Facet 1 CASSAVA
Facet 3 SUN-CURED, FRESH
See TUBERS; see STEMS

TUBERS WITH TWIGS:

Used with Facet 1 CASSAVA
Facet 3 SUN-CURED, FRESH
See TUBERS; see TWIGS

TUBERS WITHOUT PEELINGS: Tubers with peelings removed.

Used with Facet 1 plants bearing tubers
Facet 3 FRESH, BOILED, DEHYDRATED, ENSILED, GROUND
See TUBERS; see PEELINGS

GLOSSARY 6.2 (Cont.)

TUBERS WITHOUT PEELINGS OIL RESIDUE: Material remaining after the extraction of oil from tubers with peelings removed.

Used with Facet 1 DASHEEN

Facet 3 SOLVENT EXTRACTED GROUND

See TUBERS; see PEELINGS

For International Feed Name use TUBERS WITHOUT PEELINGS

TWIGS: Small branches of trees and shrubs.

Used with Facet 1 trees, shrubs

Facet 3 FRESH, SUN-CURED, DEHYDRATED GROUND, ENSILED

TWIGS WITH FLOWERS:

Used with Facet 1 RATU

Facet 3 FRESH

See TWIGS; see FLOWERS

UDDERS: A large pendulous organ consisting of two or more mammary glands enclosed in a common envelope and each provided with a single nipple.

Used with Facet 1 (female) mammals

Facet 3 FRESH

UTERUS: Organ in female mammals in which the fetus develops.

Used with Facet 1 (female) mammals

Facet 3 FRESH

Vein: One of the vascular bundles forming the framework of fibrous tissue of a leaf.

VINEGAR FERMENTATION GRAINS: Residue of grains remaining after the fermentation of vinegar.

Used with Facet 1 plants bearing grain, CEREALS

Facet 3 DEHYDRATED

VISCERA: Inner organs; for mammals they include esophagus, heart, lungs, liver, spleen, stomach, intestines without content; for poultry they include trachea, crop, heart, gizzard, stomach, liver, spleen, intestines with contents; for fish they include gills, heart, liver, spleen, stomach, intestines with contents.

Used with Facet 1 vertebrates including birds and FISH, ANIMAL, POULTRY

Facet 3 BOILED, FRESH, DEHYDRATED GROUND

VISCERA WITH FEATHERS:

Used with Facet 1 bird species, POULTRY

Facet 3 DRY OR WET RENDERED GROUND

See VISCERA; see FEATHERS

VISCERA WITH FEET:

Used with Facet 1 bird species, POULTRY

Facet 3 FRESH

See VISCERA; see FEET

GLOSSARY 6.2 (Cont.)

VISCERA WITH FEET WITH HEADS:

Used with Facet 1 bird species, POULTRY

Facet 3 FRESH, DEHYDRATED, BOILED, DRY OR WET RENDERED GROUND

See VISCERA (POULTRY); see FEET; see HEADS

For International Feed Name use BY-PRODUCT

VISCERA WITH FEET WITH HEADS WITH FEATHERS:

Used with Facet 1 bird species, POULTRY

Facet 3 HYDROLYZED

See VISCERA; see FEET; see HEADS; see FEATHERS

For International Feed Name use BY-PRODUCT WITH FEATHERS

VISCERA WITH HEADS:

Used with Facet 1 bird species, POULTRY

Facet 3 FRESH

See VISCERA; see HEADS

VISCERA WITH SCALES WITH HEADS:

Used with Facet 1 fish species, FISH

Facet 3 SUN-CURED GROUND

See VISCERA; see Scales; see HEADS

WASTE: Damaged, defective, or excess edible material produced during or left over from a manufacturing or industrial process.

Used with Facet 1 ARTICHOKE GLOBE, BAKERY, crustaceans, FISH, LETTUCE GARDEN

Facet 3 DEHYDRATED, FRESH, STEAMED, SUN-CURED

WHEY: Liquid obtained from cheese production when casein is precipitated or watery part of milk separated from the coagulated curd.

Used with Facet 1 (female) mammals, ANIMAL

Facet 3 CONDENSED, DEHYDRATED, FRESH, DEHYDRATED ON ROLLERS, FERMENTED AMMONIATED CONDENSED, HYDROLYZED CONDENSED, HYDROLYZED DEHYDRATED, SPRAY DEHYDRATED, CULTURED CONDENSED,

WHEY ALBUMIN: One of the whey proteins.

Used with Facet 1 (female) mammals, ANIMAL

Facet 3 DEHYDRATED ON ROLLERS, FRESH, SPRAY DEHYDRATED, HEAT AND ACID PRECIPITATED DEHYDRATED

See WHEY; see ALBUMIN

WHEY FERMENTATION SOLUBLES: The water-soluble substances produced during the fermentation of whey.

Used with Facet 1 (female) mammals, ANIMAL

Facet 3 DEHYDRATED, CONDENSED

See WHEY; see SOLUBLES

GLOSSARY 6.2 (Cont.)

WHEY LOW LACTOSE: Most of lactose has been removed.

Used with Facet 1 (female) mammals, ANIMAL

Facet 3 CONDENSED, DEHYDRATED, DEHYDRATED ON ROLLERS, NEUTRALIZED
DEHYDRATED, SPRAY DEHYDRATED

See WHEY

WHEY PROTEIN:

Used with Facet 1 (female) mammals, ANIMAL

Facet 3 DEHYDRATED

See WHEY ALBUMIN

WHEY WITHOUT ALBUMIN LOW LACTOSE: Albumin has been removed completely;
lactose partially.

Used with Facet 1 (female) mammals, ANIMAL

Facet 3 CONDENSED, DEHYDRATED

See WHEY

For International Feed Name use WHEY SOLUBLES

WHOLE: Entire plant, algae, bacteria or animal; plants with roots.

Used with Facet 1 plants--except shrubs and trees--animal species,
including fish, ANIMAL

Facet 3 FRESH, DEHYDRATED GROUND, ENSILED, BOILED, SUN-CURED,
FAN AIR DRIED, BOILED ACIDIFIED, DEHYDRATED, BOILED
GROUND, SUN-CURED GROUND,

WHOLE AND STRAW MOLASSES ADDED: Two different parts of two different origins
with an additive.

Used with Facet 1 WATERHYACINTH COMMON-RICE

Facet 3 ENSILED

See WHOLE; see STRAW; see MOLASSES

WHOLE GRAIN BREAD: Bread made from the whole kernels of ground cereal grain.

Used with Facet 1 plants bearing cereal grain, CEREALS

See WHOLE; see GRAIN; see BREAD

WHOLE GRAIN FLOUR: Flour from the whole kernels of cereal grain.

Used with Facet 1 plants bearing cereal grain, CEREALS

See WHOLE; see GRAIN; see FLOUR

WHOLE MOLASSES ADDED: Whole with an additive.

Used with Facet 1 plants except trees and shrubs

Facet 3 SUN-CURED

See WHOLE; see MOLASSES

WHOLE OIL RESIDUE: Material remaining after the extraction of oil from the
entire fish.

Used with Facet 1 FISH

Facet 3 MECHANICAL EXTRACTED GROUND

See WHOLE

For International Feed Name delete WHOLE OIL RESIDUE

GLOSSARY 6.2 (Cont.)

WHOLE OR CUTTINGS:

Used with Facet 1 animal species, including fish, FISH, ANIMAL
Facet 3 FRESH, DEHYDRATED GROUND, BOILED, DRY RENDERED GROUND,
SUN-CURED GROUND, HOMOGENIZED CONDENSED, HYDROLYZED
CONDENSED, HYDROLYZED DEHYDRATED, HYDROLYZED GROUND,
SUNCURED, DEHYDRATED, HEAT PROCESSED, BOILED DEHYDRATED
GROUND, SMOKED

See WHOLE; see CUTTINGS

For International Feed Name delete WHOLE OR CUTTINGS

WHOLE OR CUTTINGS OIL RESIDUE: Material remaining after the extraction of oil from whole or parts of animals (including fish).

Used with Facet 1 animal species, including fish, FISH, ANIMAL
Facet 3 EXTRACTION UNSPECIFIED GROUND, MECHANICAL EXTRACTED
GROUND, SUN-CURED MECHANICAL EXTRACTED GROUND

See WHOLE; see CUTTINGS

For International Feed Name delete WHOLE OR CUTTINGS OIL RESIDUE

WHOLE OR CUTTINGS SALT ADDED: Salt added for the preservation of the fish.

Used with Facet 1 FISH

See WHOLE OR CUTTINGS

For International Feed name use SALT ADDED

WHOLE SALT ADDED: Salt added for the preservation of the fish.

Used with Facet 1 FISH

Facet 3 SUN-CURED GROUND, DEHYDRATED GROUND

See WHOLE

For International Feed Name use SALT ADDED

WHOLE WITHOUT ANTIBIOTICS: Residue of original material after removal of antibiotics.

Used with Facet 1 YEAST, fungi, FUNGI

Facet 3 DEHYDRATED

See WHOLE

WHOLE WITHOUT FEATHERS: Birds after the feathers have been removed.

Used with Facet 1 bird species, POULTRY

Facet 3 FRESH

See WHOLE; see FEATHERS

WOOD: Used for feeds when the origin-plant name is known; when not known, use the Facet 1 descriptor WOOD as the origin.

Used with Facet 1 trees and shrubs

Facet 3 BOILED GROUND, FRESH

YEAST: Used for feeds when the medium is known.

Used with Facet 1 plants bearing fruit, i.e. COCONUT

Facet 3 DEHYDRATED

GLOSSARY 6.2 (Cont.)

YEAST FERMENTATION GRAINS: Residue of grains remaining after the fermentation of yeast.

Used with Facet 1 plants bearing cereal grain, CEREALS

Facet 3 DEHYDRATED

See YEAST; see GRAIN

GLOSSARY 6.3 Definitions of Process Descriptors (Facet 3) Used in the International Feed Descriptions

PLEASE READ BEFORE USING GLOSSARY 6.3

All descriptors mentioned from Facets 1 and 2 and all non-descriptor terms used in the International Feed Names are capitalized in this Glossary.

To avoid the use of duplicate descriptors, some common terms are listed with reference to the correct descriptor to be used (i.e., CHOPPED use SUN-CURED CHOPPED).

Descriptors that are changed or deleted in the International Feed Description when used in the International Feed Names are also given (i.e., the descriptor DRY MILLED is deleted; for WET MILLED DEHYDRATED GROUND use MEAL).

Additional descriptors will be coined as the need arises.

ACID HYDROLYZED: Hydrolyzed by the action of acid.
Used with Facet 1 CEREALS
Facet 2 STRAW
See HYDROLYZED

ACID HYDROLYZED DRY RENDERED: Two consecutive processes; the latter meaning defatted in open steam-jacketed vessels.
Used with Facet 1 mammals, ANIMAL
Facet 2 SKIN FLESHINGS
See ACID HYDROLYZED; see DRY RENDERED
For International Feed Name use ACID HYDROLYZED RENDERED

ACID HYDROLYZED DRY OR WET RENDERED GROUND:
Used with Facet 1 mammals, ANIMAL
Facet 2 SKIN SPLITS
See ACID HYDROLYZED; see DRY OR WET RENDERED; see GROUND
For International Feed Name use MEAL ACID HYDROLYZED RENDERED

ACID HYDROLYZED WET RENDERED: Two consecutive processes, the latter meaning defatted by steam cooking under pressure.
Used with Facet 1 mammals, ANIMAL
Facet 2 SKIN FLESHINGS
See ACID HYDROLYZED; see WET RENDERED
For International Feed Name use ACID HYDROLYZED RENDERED

Acidified: To make more acid or sour by lowering the pH below 7.

Glossary 6.3 (Cont.)

ACID PRECIPITATED: Precipitated by the action of acid.

Used with Facet 1 WOOD

Facet 2 CELLULOSE

See PRECIPITATED

ACID PRECIPITATED DEHYDRATED: Two consecutive processes.

Used with Facet 1 CASEIN, CATTLE

Facet 2 WHEY

See ACID PRECIPITATED; see DEHYDRATED

ACID PRECIPITATED DEHYDRATED ON ROLLERS: Two consecutive processes.

Used with Facet 1 animal species, CATTLE

Facet 2 ACID WHEY

See ACID PRECIPITATED; see DEHYDRATED ON ROLLERS

ACID PRECIPITATED FRESH: Two consecutive processes.

Used with Facet 1 animal species, CATTLE

Facet 2 ACID WHEY

See ACID PRECIPITATED; see FRESH

ACID PRECIPITATED NEUTRALIZED DEHYDRATED: Three consecutive processes.

Used with Facet 1 animal species, CATTLE

Used with Facet 2 ACID WHEY

See ACID PRECIPITATED; see NEUTRALIZED DEHYDRATED

ACID PRECIPITATED SPRAY DEHYDRATED: Two consecutive processes.

Used with Facet 1 animal species, CATTLE

Used with Facet 2 ACID WHEY

See ACID PRECIPITATED; see SPRAY DEHYDRATED

ALCOHOL EXTRACTED: Treated with alcohol to remove all alcohol-soluble substances.

Used with Facet 1 CREOSOTE BUSH, PINE

Facet 2 plant material

ALCOHOL EXTRACTED GROUND: Two consecutive processes; the size of the material was reduced prior to processing.

Used with Facet 1 HORSE CHESTNUT COMMON

Facet 2 FRUIT WITHOUT HUSKS OIL RESIDUE

See ALCOHOL EXTRACTED; see GROUND

For International Feed Name use MEAL ALCOHOL EXTRACTED

AMMONIA EXTRACTED DEHYDRATED OR SUN-CURED: Two consecutive processes; the extraction of sugar from sugar beet and sugarcane by the addition of liquid ammonia; the pulp or bagasse is dehydrated or sun-cured; the pulp or bagasse has a lower sugar content than from conventional processing.

Used with Facet 1 BEET SUGAR, SUGARCANE

Facet 2 PULP, BAGASSE

For International Feed Name use AMMONIA EXTRACTED DEHYDRATED

Glossary 6.3 (Cont.)

AMMONIATED: Combined or impregnated with ammonia or an ammonium compound to increase the nitrogen content of the feed

Used with Facet 1 BARLEY, CITRUS, FLAX COMMON, GLYCYRRHIZIN, HEMLOCK
WESTERN-FIR GRAND-ALDER RED, MAIZE, OATS, RICE,
SUGARCANE, WHEAT

Used with Facet 2 STRAW, GRAIN, HULLS, PULP, POMACE, MOLASSES (syrup),
BAGASSE, CELLUFIBER, FURFURAL RESIDUE

AMMONIATED DEHYDRATED OR SUN-CURED: Two consecutive processes.

Used with Facet 1 BEET SUGAR, CITRUS, SUGARCANE
Facet 2 POMACE, PULP, BAGASSE

See AMMONIATED; see DEHYDRATED OR SUN-CURED

For International Feed Name use AMMONIATED DEHYDRATED

AMMONIATED HEAT PROCESSED PELLETTED: Three consecutive processes.

Used with Facet 1 WHEAT
Facet 2 STRAW

See AMMONIATED; see HEAT PROCESSED; see PELLETTED

ASPIRATED: Particles of grain and seeds removed by air currents from the original material.

Used with Facet 1 CEREALS, oil seeds, CEREALS-OIL SEEDS
Facet 2 GRAIN AND SEED FRACTIONS

AUTOCLAVED: Heated or cooked in a container by superheated steam to prevent fermentation and/or destroy bacteria and spores.

Used with Facet 1 ACACIA, BEAN BUTTER, COWPEA COMMON, GROUNDNUT BAMBARA,
RUBBERTREE PARA
Facet 2 SEEDS, KERNELS, KERNELS WITH COATS

BITTERNESS EXTRACTED: Bitter substances have been removed.

Used with Facet 1 CHESTNUT, LUPINE, YEAST BREWERS
Facet 2 SEEDS, SEEDS WITHOUT COATS

BLEACHED: Whitened or lightened in color by natural or artificial means.

Used with Facet 1 animal species, ANIMAL
Facet 2 TALLOW

BLEACHED STABILIZED: Two consecutive processes.

Used with Facet 1 TALLOW

See BLEACHED; see STABILIZED

BLENDED: Mingled or combined.

Used with Facet 1 ANIMAL-VEGETABLE
Facet 2 FAT

BOILED: Heated--with or without water added--to 100°C to alter chemical and/or physical qualities or to sterilize; cooked.

Used with Facet 1 plants, crustacean, animals including fish, ANIMAL, FISH
Facet 2 WHOLE, WHOLE OR CUTTINGS; FRUIT, TUBERS, HEADS (cabbage),
ROOTS, SEEDS

Glossary 6.3 (Cont.)

BOILED ACIDIFIED: Two consecutive processes.

Used with Facet 1 fish species, FISH

Facet 2 WHOLE

See BOILED

BOILED DEHYDRATED: Two consecutive processes.

Used with Facet 1 plants and animals, GARBAGE

Facet 2 SEEDS, GRAIN, SOLUBLES, EGGS, BRAN WITH GERM, POLISHINGS,
WHOLE

See BOILED; see DEHYDRATED

BOILED DEHYDRATED GROUND: Three consecutive processes the end product being meal.

Used with Facet 1 plants bearing seeds, fish species, FISH, GARBAGE,
POULTRY

Facet 2 SEEDS, WHOLE OR CUTTINGS, FLESH

See BOILED; see DEHYDRATED; see GROUND

For International Feed Name use MEAL BOILED

BOILED DEHYDRATED OR SUN-CURED: Two consecutive processes.

Used with Facet 1 BANANA, TELINGOPOTATO

Facet 2 FRUIT, ROOTS, TUBERS, PEELINGS

See BOILED; see DEHYDRATED OR SUN-CURED

For International Feed Name use BOILED DEHYDRATED

BOILED ENSILED: Two consecutive processes.

Used with Facet 1 GARBAGE, POTATO

Facet 2 TUBERS

See BOILED; see ENSILED

For International Feed name use SILAGE BOILED

BOILED GROUND: Two consecutive processes the end product being meal.

Used with Facet 1 fish species, FISH, plants bearing seeds or producing wood

Facet 2 WHOLE OR CUTTINGS, SEEDS, WOOD

See BOILED; see GROUND

BOILED MECHANICAL EXTRACTED GROUND: Three consecutive processes the end product being meal, the obligatory dehydration before grinding is not mentioned.

Used with Facet 1 fish species, FISH, plants bearing oil seeds

Facet 2 SEEDS OIL RESIDUE, WHOLE OR CUTTINGS OIL RESIDUE

See BOILED; see MECHANICAL EXTRACTED; see GROUND

For International Feed Name use MĒAL BOILED MECHANICAL EXTRACTED

Glossary 6.3 (Cont.)

BOILED PREPRESSED SOLVENT EXTRACTED GROUND: Four consecutive processes the end product being meal, dehydration before grinding is not mentioned.
Used with Facet 1 plants bearing oil seeds

Facet 2 SEEDS OIL RESIDUE

See BOILED; see PREPRESSED SOLVENT EXTRACTED; see GROUND

For International Feed Name use MEAL BOILED PREPRESSED SOLVENT EXTRACTED

BOILED PRESSED: Two consecutive processes, the second for reducing the moisture content.

Used with Facet 1 YEAST

See BOILED; see PRESSED

BOILED SOLVENT EXTRACTED GROUND: Three consecutive processes the end product being meal; dehydration before grinding is not mentioned.

Used with Facet 1 vertebrates; plants bearing oil seeds

Facet 2 BONE OIL RESIDUE, SEEDS OIL RESIDUE

See BOILED; see SOLVENT EXTRACTED; see GROUND

For International Feed Name use MEAL BOILED SOLVENT EXTRACTED

BOILED SUN-CURED GROUND: Three consecutive processes including natural drying (the latter process being rarely applied) the end product being meal.

Used with Facet 1 OWALAOIL-TREE

Facet 2 SEEDS WITHOUT COATS

See BOILED; see SUN-CURED; see GROUND

CAKED: Physical form resulting from oil extraction by mechanical means (pressing) or brought into cake form.

Used with Facet 1 COCONUT

Facet 2 KERNELS WITH COATS WASTE

CENTRIFUGED: Separated by a force moving away from a center.

Used with Facet 1 mammals, YEAST

Facet 2 SKIMMILK

CENTRIFUGED CONDENSED: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 SKIMMILK

See CENTRIFUGED; see CONDENSED

For International Feed Name use CONDENSED

CENTRIFUGED DEHYDRATED: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 SKIMMILK

See CENTRIFUGED; see DEHYDRATED

For International Feed Name use DEHYDRATED

Glossary 6.3 (Cont.)

CENTRIFUGED DEHYDRATED ON ROLLERS: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 SKIMMILK

See CENTRIFUGED; see DEHYDRATED ON ROLLERS

For International Feed Name use DEHYDRATED ON ROLLERS

CENTRIFUGED FRESH:

Used with Facet 1 mammals

Facet 2 SKIMMILK

See CENTRIFUGED; see FRESH

For International Feed Name use FRESH

CENTRIFUGED SPRAY DEHYDRATED: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 SKIMMILK

See CENTRIFUGED; see SPRAY DEHYDRATED

For International Feed Name use SPRAY DEHYDRATED

CHEMICALLY MODIFIED: Altered by utilizing acids, alkalis or other chemicals with or without heat producing without removing any of the component parts.

Used with Facet 1 SOYBEAN

Facet 2 PROTEIN

Chopped: Use FRESH or SUN-CURED CHOPPED

COARSE GROUND: A process applied to reduce the size of various materials usually by forcing through a medium sized screen.

Used with Facet 1 OAK CORK

Facet 2 KERNELS WITH COATS

CONDENSED: Reduced to denser form by removal of moisture by heat.

Used with Facet 1 plants and animals

Facet 2 descriptors designating liquid substances of vegetable and animal origin

CONDENSED FERMENTED DEHYDRATED: Three consecutive processes.

Used with Facet 1 MAIZE

Facet 2 EXTRACTIVES WITH GERM WITH BRAN

See CONDENSED; see FERMENTED; see DEHYDRATED

CONVENTIONAL COOKER DEHYDRATED GROUND: Three consecutive processes applied in blood meal production.

Used with Facet 1 ANIMAL

Facet 2 BLOOD

See DEHYDRATED; see GROUND

For International Feed Name use MEAL CONVENTIONAL COOKER DEHYDRATED

Glossary 6.3 (Cont.)

CONVERTED: Processing of a feed to retain its natural mineral and vitamin content, and to have improved keeping qualities.

Used with Facet 1 CEREALS

Facet 2 GRAIN EXTRACTIVES

CRACKED: Reduced in particle size by a combined breaking and crushing action.

Used with Facet 1 BROADBEAN, LENTIL, MAIZE, OATS, SORGHUM, WHEAT

Facet 2 GRAIN, GROATS, SEEDS WITHOUT COATS

CRACKED SCREENED: Two consecutive processes. The part obtained by screening is the coarse portion.

Used with Facet 1 MAIZE, SORGHUM, WHEAT

Facet 2 GRAIN, GRITS

See CRACKED; see SCREENED

Crimped: Use crushed

CUBED: Agglomerated by compressing into the form of a cube.

Used with Facet 1 BARLEY

Facet 2 STRAW MOLASSES ADDED

CULTURED: 1. Acidified with lactic acid bacteria cultures; 2. Produced with bacteria cultures.

Used with Facet 1 mammals

Facet 2 BUTTERMILK, CREAM

CULTURED CONDENSED: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 SKIMMILK, WHEY

See CULTURED; see CONDENSED

CULTURED DEHYDRATED: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 SKIMMILK

See CULTURED; see DEHYDRATED

Decorticated: Use WITHOUT COATS, or WITHOUT HULLS

Defatted: Use MECHANICAL EXTRACTED; SOLVENT EXTRACTED; PREPRESSED SOLVENT EXTRACTED; EXTRACTION UNSPECIFIED

Degermed: Use WITHOUT GERMS

DEFLUORINATED: Removal of fluorine.

Used with Facet 1 PHOSPHATE

DEFLUORINATED GROUND: Two processes in inverse order.

Used with Facet 1 ROCK PHOSPHATE

See DEFLUORINATED; see GROUND

Glossary 6.3 (Cont.)

DEFLUORINATED WET PROCESS: Fluorine removed in a wet process.
Used with Facet 1 PHOSPHORIC ACID
See DEFLUORINATED

Dehulled: Use WITHOUT HULLS

DEHYDRATED: Dried by act of artificial heat or having most of the moisture removed by artificial heat.
Used with Facet 1 plants, animals, yeasts, GARBAGE

DEHYDRATED CAKED: Brought into cake form and then dried.
Used with Facet 1 MAIZE
Facet 2 GRITS BY-PRODUCT
See DEHYDRATED; see CAKED

DEHYDRATED COARSE GROUND: Two consecutive processes.
Used with Facet 1 CITRUS, MAIZE
Facet 2 COBS, PEELINGS WITH SEEDS
See DEHYDRATED; see COARSE GROUND
For International Feed Name use COARSE GROUND

DEHYDRATED CUBED: Two consecutive processes.
Used with Facet 1 plants
Facet 2 AERIAL PART
See DEHYDRATED; see CUBED

DEHYDRATED FINE GROUND: Two consecutive processes.
Used with Facet 1 CITRUS, MAIZE
Facet 2 COBS, PEELINGS WITH SEEDS
See DEHYDRATED; see FINE GROUND
For International Feed Name use FINE GROUND

DEHYDRATED GROUND: Two consecutive processes applied, for instance, to produce meal.
Used with Facet 1 plants, animals (including fish)
See DEHYDRATED; see GROUND
For International Feed Name use MEAL

DEHYDRATED ON ROLLERS: Liquid is poured continuously in thin layers on rollers heated by steam, then the residue is scraped off.
Used with Facet 1 mammals, BEET SUGAR
Facet 2 MILK, WHEY, ACID WHEY, WHEY ALBUMIN, WHEY LOW LACTOSE, MOLASSES

DEHYDRATED ON ROLLERS GROUND: Two consecutive processes.
Used with Facet 1 animal species, ANIMAL
Facet 2 BLOOD
See DEHYDRATED ON ROLLERS; see GROUND

Glossary 6.3 (Cont.)

DEHYDRATED OR SUN-CURED: Is to be used (1) if the method of drying is not known, (2) in combination with the following part descriptors (if the material is dried).

Used with Facet 1 plants

Facet 2 BAGASSE, FRUIT, FRUIT FLESH, LEAVES FIBER PROCESS RESIDUE, MUCILAGE, POMACE, POMACE WITHOUT PECTIN, PULP, TUBERS, PODS WITH SEEDS, PEELINGS, etc.

For International Feed Name use DEHYDRATED

Dehydrated or sun-cured ammonia extracted: See AMMONIA EXTRACTED DEHYDRATED OR SUN-CURED.

For International Feed Name use AMMONIA EXTRACTED DEHYDRATED

DEHYDRATED OR SUN-CURED GROUND: Two consecutive processes.

Used with Facet 1 LOCUST AFRICAN, BANANA, BEECH, BREADFRUIT, BEET COMMON, CAMPSIANDRA COMOSA, CHUFA

Facet 2 FRUIT, ROOTS, PODS WITH SEEDS, TUBERS, PULP SURROUNDING SEEDS

See DEHYDRATED OR SUN-CURED; see GROUND

For International Feed Name use MEAL

DEHYDRATED PELLETED: Two processes applied, the end product being pellets.

Used with Facet 1 plants

Facet 2 AERIAL PART, LEAVES, STEMS, TUBERS, FRUIT WITHOUT SEEDS

See DEHYDRATED; see PELLETED

DRAINED: Liquid removed by sieve or tissue.

Used with Facet 1 mammals

Facet 2 CHEESE CURD

Dried: Use DEHYDRATED

Dry: Use DEHYDRATED or SUN-CURED

DRY MILLED: Milled by tempering with only a small amount of water or steam to facilitate separation into component parts of the grain kernel.

Used with Facet 1 plants bearing grain

Facet 2 GRAIN, grain parts

For International Feed Name delete

DRY MILLED MECHANICAL EXTRACTED GROUND: Three consecutive processes the end product being oil meal.

Used with Facet 1 MAIZE

Facet 2 GERMS OIL RESIDUE

See DRY MILLED; see MECHANICAL EXTRACTED; see GROUND

For International Feed Name use MEAL MECHANICAL EXTRACTED

Glossary 6.3 (Cont.)

DRY MILLED SOLVENT EXTRACTED GROUND: Three consecutive processes, the end product being oil meal.

Used with Facet 1 MAIZE

Facet 2 GERMS OIL RESIDUE

See DRY MILLED; see SOLVENT EXTRACTED; see GROUND

For International Feed Name use MEAL SOLVENT EXTRACTED

DRY OR WET RENDERED GROUND: Two consecutive processes applied to obtain meat meal.

Used with Facet 1 animal species, ANIMAL, POULTRY

Facet 2 CARCASS RESIDUE, VISCERA WITH FEATHERS, BONES, BY-PRODUCT, VISCERA WITH FEET WITH HEADS, CARCASS RESIDUE WITH BLOOD, CARCASS RESIDUE WITH BLOOD WITH BONE

See DRY RENDERED; see WET RENDERED; see GROUND

For International Feed Name use MEAL RENDERED

DRY RENDERED: Having undergone (1) cooking in open steam-jacketed vessels until water has evaporated, (2) removal of fat by draining and pressing; (fat can be obtained by dry rendering).

Used with Facet 1 animal species, ANIMAL

Facet 2 FAT, CRACKLINGS

For International Feed Name use RENDERED

DRY RENDERED GROUND: Two consecutive processes applied in the production of meat meal, bone meal and animal by-product meal.

Used with Facet 1 animal species, ANIMAL, POULTRY

Facet 2 CARCASS RESIDUE, WHOLE OR CUTTINGS, MEAT WITH BONE, BONE, WHOLE, CARCASS RESIDUE WITH BONE, MEAT

See DRY RENDERED; see GROUND

For International Feed Name use MEAL RENDERED

ENRICHED: By adding vitamin(s) or minerals.

Used with Facet 1 WHEAT

Facet 2 BREAD

ENSILED: Preserved (by ensiling); a process in which parts of plants (may be chopped or not chopped) are packed in an ideally air tight chamber (silo) which undergo an acid (lactic) fermentation that retards spoilage; often preservatives are added to support this (see AERIAL PART AIV PRESERVATIVE ADDED).

Used with Facet 1 forage plants

Facet 2 AERIAL PART, LEAVES, ROOTS, PULP, TUBERS, AERIAL PART AND STUBBLE, WHOLE, AERIAL PART WITH CROWNS, PODS, POMACE, FRUIT WITHOUT SEEDS, CELLULOSE

For International Feed Name use SILAGE

Glossary 6.3 (Cont.)

ENSILED AMMONIATED: Two processes applied in inverse sequence, the material is impregnated with ammonia to preserve it; then ensiled.

Used with Facet 1 OATS

Facet 2 STRAW

See ENSILED; see AMMONIATED

For International Feed Name use SILAGE AMMONIATED

ENSILED DEHYDRATED: Two consecutive processes; the material has part of the moisture removed after being ensiled.

Used with Facet 1 COFFEE, SORGHUM

Facet 2 FRUIT WITHOUT SEEDS, AERIAL PART

See ENSILED; see DEHYDRATED

For International Feed Name use SILAGE DEHYDRATED

ENSILED DEHYDRATED OR SUN-CURED: Two consecutive processes.

Used with Facet 1 CITRUS

Facet 2 POMACE

See ENSILED; see DEHYDRATED OR SUN-CURED

For International Feed Name use SILAGE DEHYDRATED

ENSILED DEHYDRATED PELLETTED: Three consecutive processes.

Used with Facet 1 forage plants

Facet 2 AERIAL PART, LEAVES

See ENSILED; see DEHYDRATED; see PELLETTED

For International Feed Name use SILAGE DEHYDRATED PELLETTED

EXTRACTED DEHYDRATED: The filtered and dried mycelium obtained in the production of Penicillin, Streptomycin, etc.

Used with Facet 1 CITRIC ACID, PENICILLIN, STREPTOMYCIN

Facet 2 FERMENTATION SOLUBLES

EXTRACTED DEHYDRATED GROUND: Three consecutive processes.

Used with Facet 1 CITRIC ACID, PENICILLIN, STREPTOMYCIN

Facet 2 FERMENTATION PRESSCAKE, FERMENTATION SOLUBLES

See EXTRACTED DEHYDRATED; see GROUND

For International Feed Name use MEAL EXTRACTED

EXTRACTION UNSPECIFIED: To be used only when the method used for oil or fat extraction is not known.

Used with Facet 1 material rich in oil

Facet 2 descriptors ending with OIL RESIDUE

Glossary 6.3 (Cont.)

EXTRACTION UNSPECIFIED GROUND: Two consecutive processes. This occurs frequently when the defatting method used with fish meal is not precisely known.

Used with Facet 1 animal species, including fish, ANIMAL, FISH

Facet 2 descriptors ending with OIL RESIDUE

See EXTRACTION UNSPECIFIED; see GROUND

For International Feed Name use MEAL EXTRACTION UNSPECIFIED

EXTRUDED: Forced by pressure through openings in a die.

Used with Facet 1 plants bearing grain or seeds

Facet 2 GRAIN, SEEDS

EXTRUDED GROUND: Two consecutive processes.

Used with Facet 1 SOYBEAN

Facet 2 SEEDS

See EXTRUDED; see GROUND

FAN AIR DRIED: Dried using a device that produces a current of air.

Used with Facet 1 forage plants; ALGAE

Facet 2 AERIAL PART, LEAVES, WHOLE, STEMS

FAN AIR DRIED PELLETTED: Two consecutive processes the end product being hay pellets.

Used with Facet 1 forage plants

Facet 2 AERIAL PART

See FAN AIR DRIED; see PELLETTED

FAN AIR DRIED WAFERED: Two consecutive processes the end product being hay wafers.

Used with Facet 1 forage plants

Facet 2 AERIAL PART

See FAN AIR DRIED; see WAFERED

FAN AIR DRIED WITH HEAT: Dried using a device that produces a current of warm air.

Used with Facet 1 forage plants

Facet 2 AERIAL PART, AERIAL PART WITHOUT HEADS

See FAN AIR DRIED

FAN AIR DRIED WITH HEAT GROUND: Two consecutive processes the end product being meal.

Used with Facet 1 forage plants

Facet 2 AERIAL PART

See FAN AIR DRIED WITH HEAT; see GROUND

FAN AIR DRIED WITH HEAT PELLETTED: Two consecutive processes the end product being pellets.

Used with Facet 1 forage plants

Facet 2 AERIAL PART

See FAN AIR DRIED WITH HEAT; see PELLETTED

Glossary 6.3 (Cont.)

FERMENTED: Acted upon by yeast, molds or bacteria in a controlled process in the manufacture of alcohols, acids, vitamins (of the B-complex group) and antibiotics.

Used with Facet 1 plants, YEAST, BACTERIA

Facet 2 GRAIN, SEEDS WITHOUT COATS, PROCESS RESIDUE, FRUIT, BRAN

FERMENTED AMMONIATED CONDENSED: Three consecutive processes.

Used with Facet 1 CATTLE

Facet 2 WHEY

See FERMENTED; see AMMONIATED; see CONDENSED

FERMENTED CONDENSED: Two consecutive processes.

Used with Facet 1 MAIZE

Facet 2 EXTRACTIVES

See FERMENTED; see CONDENSED

FERMENTED DEHYDRATED: Two consecutive processes.

Used with Facet 1 CASSAVA, MAIZE

Facet 2 STARCH PROCESS RESIDUE, EXTRACTIVES

See FERMENTED; see DEHYDRATED

FERMENTED DEHYDRATED OR SUN-CURED: Two consecutive processes.

Used with Facet 1 GRAPE

Facet 2 POMACE

See FERMENTED; see DEHYDRATED OR SUN-CURED

For International Feed Name use FERMENTED DEHYDRATED

FERMENTED WET: A process where the remaining material is not treated and remains in a moist state.

Used with Facet 1 GRAPE

Facet 2 POMACE

See FERMENTED; see WET

FINE GROUND: A process applied to reduce the size of very hard material and increases its palatability and/or availability.

Used with Facet 1 crustaceans

Facet 2 SHELLS

See GROUND; see COARSE GROUND

FLAKED: Prepared by a method involving the use of high heat, tempering and rollers set closely together; cut into flat pieces (potato); both processes the end product being flakes.

Used with Facet 1 plants bearing grain or tubers

Facet 2 GRAIN, TUBERS

FLAKED DEHYDRATED: Two consecutive processes.

Used with Facet 1 CASSAVA COMMON, POTATO, SWEETPOTATO

Facet 2 TUBERS, TUBERS WITHOUT PEELINGS, TUBERS UREA ADDED,
STARCH PROCESS RESIDUE WITH SPENT RESIDUE LIQUID

See FLAKED; see DEHYDRATED

Glossary 6.3 (Cont.)

FLAKED TOASTED: Two consecutive processes resulting in toasted flakes.

Used with Facet 1 plants bearing grain or tubers

Facet 2 GRAIN, SEEDS

See FLAKED: see TOASTED

FLASH DEHYDRATED GROUND: Two consecutive processes applied especially in blood meal production dehydrated with high temperature. A large portion of the moisture is usually removed by a mechanical dewatering process or by condensing by cooking to a semi-solid state. The semi-solid blood mass is then transferred to a rapid drying facility where the more tightly bound water is rapidly removed.

Used with Facet 1 animal species, ANIMAL

Facet 2 BLOOD

See DEHYDRATED; see GROUND

For International Feed Name use MEAL FLASH DEHYDRATED

FREEZE DEHYDRATED: Moisture extracted in vacuum using a very low temperature.

Used with Facet 1 bird species, crustaceans, Fish species, FISH

Facet 2 EGGS, EGGS WITHOUT SHELLS, FLESH, FLESH WITH LIQUID

FREEZE DEHYDRATED GROUND: Two consecutive processes the end product being meal (for instance leaf meal).

Used with Facet 1 plants

Facet 2 LEAVES

See FREEZE DEHYDRATED; see GROUND

For International Feed Name use MEAL FREEZE DEHYDRATED

FRESH: Recently produced or gathered, not stored, cured or preserved.

Used with Facet 1 plant species, animal species

Facet 2 LEAVES, STEMS, AERIAL PART, BROWSE, FLOWERS, PODS WITH SEEDS, BARK, TWIGS, BUDS, HEADS, SEEDS, WHOLE, FRUIT, LARVA, BLOOD, BONE MARROW, BRAINS, EARS, GENITALS, HEARTS, INTESTINES, KIDNEYS, LIVERS, LUNGS, MEAT, MEAT BY-PRODUCT, SKIN FLESHINGS, SKINS, SPLEENS, STOMACHS, TENDONS, TONGUES, UTERUS, FRUIT WITHOUT SEEDS, MILK, FRUIT WITHOUT PEELINGS, FRUIT WITHOUT PITS, ROOTS, TUBERS, STEM BUTTS, MANURE, SHOOTS, BROWSE AND AERIAL PART, INSTANT BEVERAGE RESIDUE, MALT, TOP OF AERIAL PART, EGG YOLKS, GIZZARDS, FLESH, VISCERA, CARCASS, EGGS, UDDERS

FRESH CHOPPED: Recently harvested plant material cut into small pieces.

Used with Facet 1 NAPIERGRASS

Facet 2 AERIAL PART

FRESH GROUND: Ground as gathered.

Used with Facet 1 animals, crustaceans

Facet 2 BONES, FEET, WHOLE

Glossary 6.3 (Cont.)

FRESH MASHED: Recently harvested material made soft and pulpy by beating or crushing.

Used with Facet 1 ALFALFA
Facet 2 AERIAL PART

FRESH WASHED: Plant material that was cleaned with water after being gathered or harvested.

Used with Facet 1 BEETS, HEMP
Facet 2 LEAVES, CROWNS, LEAVES FIBER PROCESS RESIDUE

FROZEN: (1) Treated, affected or crusted over by freezing; (2) altered and damaged by natural frost.

Used with Facet 1 Animals and plants
Facet 2 LIVERS, LEAVES, TUBERS, FRUIT

FROZEN BOILED: Two consecutive processes.

Used with Facet 1 POTATO
Facet 2 TUBERS

See FROZEN; see BOILED

GELATINIZED: Ruptured with a combination of moisture, heat and pressure, i.e., starch granules.

Used with Facet 1 plants rich in starch
Facet 2 STARCH, FLOUR, STARCH-UREA PRODUCT, GRAIN STARCH, SEED STARCH

GELATINIZED PARTIALLY HYDROLYZED:

Used with Facet 1 POTATO, WHEAT
Facet 2 STARCH, GRAIN STARCH, SEED STARCH

See GELATINIZED; see HYDROLYZED

GRAVITY SEPARATED FRESH: Separated from the cream by gravity and left in this state.

Used with Facet 1 mammals
Facet 2 SKIMMILK

GROUND: Reduced in particle size by impact, shearing or attrition.

Used with Facet 1 plants, animals, and minerals
Facet 2 SEEDS, GRAIN, EARS, GERMS, SHELLS, STRAW, LIVERS, etc.

See FIND GROUND or COARSE GROUND

HEAT AND ACID PRECIPITATED DEHYDRATED: Two consecutive processes: precipitated by the action of heat and acid, then dehydrated.

Used with Facet 1 CATTLE
Facet 2 WHEY ALBUMIN

See ACID PRECIPITATED; see DEHYDRATED

For International Feed Name delete

Glossary 6.3 (Cont.)

- HEAT HYDROLYZED:** Hydrolyzed by the action of heat.
Used with Facet 1 plants bearing grain or seeds rich in starch
Facet 2 GRAIN STARCH, SEED STARCH
See HYDROLYZED
- HEAT PROCESSED:** Prepared by a method involving the use of elevated temperature with or without pressure which usually increases the nutritive value of the part.
Used with Facet 1 animal species, ANIMAL, FISH, plants
Facet 2 WHOLE OR CUTTINGS, GRAIN, SEEDS, STRAW, FLOUR, PROCESS RESIDUE, HEADS (animal), KERNELS WITH COATS, GRAIN STARCH
- HEAT PROCESSED FLAKED:** Two consecutive processes the end product being flakes.
Used with Facet 1 plants bearing grain or seeds
Facet 2 GRAIN
See HEAT PROCESSED; see FLAKED
- HEAT PROCESSED GROUND:** Two consecutive processes.
Used with Facet 1 plants bearing grain or seeds
Facet 2 GRAIN, SEEDS WITHOUT HULLS
See HEAT PROCESSED; see GROUND
- HEAT PROCESSED PELLETTED:** Two consecutive processes, the end product being in pellet form.
Used with Facet 1 MAIZE, WHEAT
Facet 2 GRAIN, STRAW PROPIONIC ACID ADDED
See HEAT PROCESSED; see PELLETTED
- HOMOGENIZED CONDENSED:** Two consecutive processes.
Used with Facet 1 fish species, FISH
Facet 2 WHOLE OR CUTTINGS
See HOMOGENIZED; see CONDENSED
- Husked:** Use FRUIT WITHOUT HUSKS, SEEDS WITHOUT HULLS; GROATS (parts) whichever applies.
- HYDROLYZED:** Complex protein molecules that have been split into simpler ones; the reaction may be produced by enzyme, catalyst acid or by heat and pressure.
Used with Facet 1 animal species, bird species, plants, ANIMAL, POULTRY, VEGETABLE
Facet 2 HAIR, FAT, OIL, VISCERA WITH FEET WITH HEADS WITH FEATHERS, FEATHERS
- HYDROLYZED CONDENSED:** Two consecutive processes.
Used with Facet 1 animal species (including fish), CATTLE, FISH
Facet 2 WHEY, WHOLE OR CUTTINGS
See HYDROLYZED; see CONDENSED

Glossary 6.3 (Cont.)

HYDROLYZED DEHYDRATED: Two consecutive processes.

Used with Facet 1 plants, animal species, FISH, CASEIN

Facet 2 WHEY, PROTEIN RESIDUE, WHOLE OR CUTTINGS, WHOLE, GLUTEN
LOW GLUTAMIC ACID

See HYDROLYZED; see DEHYDRATED

For International Feed Name use HYDROLYZED

HYDROLYZED DEHYDRATED GROUND: Three consecutive processes.

Used with Facet 1 animal species, bird species, ANIMAL, POULTRY

Facet 2 FEATHERS, LEATHER, HORNS WITH HOOFS

See HYDROLYZED; see DEHYDRATED; see GROUND

For International Feed Name use MEAL HYDROLYZED

HYDROLYZED GROUND: Two consecutive processes.

Used with Facet 1 fish species, FISH

Facet 2 WHOLE OR CUTTINGS

See HYDROLYZED; see GROUND

HYDROLYZED LIQUID: One process and one physical state.

Used with Facet 1 MAIZE

Facet 2 GRAIN

See HYDROLYZED; see LIQUID (a physical state)

IRRADIATED: Exposed to ultraviolet or infrared rays to make available vitamin D in animal and vegetable sterol.

Used with Facet 1 animal species, plants, ANIMAL, PLANT

Facet 2 STEROL

ISOLATED: To separate in a relatively pure form from substances with which it is combined or mixed.

Used with Facet 1 plants with fruit rich in protein

Facet 2 PROTEIN

KIBBLED: Cracked or crushed; baked dough or extruded feed that was cooked before or during the extrusion process.

Used with Facet 1 MAIZE

Facet 2 GRAIN

KIBBLED SOLVENT EXTRACTED: Two consecutive processes.

Used with Facet 1 SOYBEAN

Facet 2 SEEDS OIL RESIDUE

See KIBBLED; see SOLVENT EXTRACTED

Lacerated: To tear, to separate by tearing or to mangle.

LIQUID: (Physical state). A substance that flows readily.

Used with Facet 1 ASPERGILLUS spp, YEAST BREWERS, CITRIC ACID, LACTOBACILLUS
spp, PENICILLIN, STREPTOCOCCUS spp, STREPTOMYCIN, SUBTILIS
BACILLUS

Facet 2 FERMENTATION PRODUCT, FERMENTATION SOLIDS WITH SOLUBLES,

See WET

Glossary 6.3 (Cont.)

MALTASE TREATED: Treated with the enzyme maltase.

Used with Facet 1 MAIZE
Facet 2 GLUTEN

MALTASE TREATED DEHYDRATED GROUND: Three consecutive processes.

Used with Facet 1 MAIZE
Facet 2 STARCH PROCESS RESIDUE
See MALTASE TREATED; see DEHYDRATED; see GROUND

For International Feed Name use MEAL MALTASE TREATED

MANUALLY EXTRACTED: Oil or juice removed by a hand method.

Used with Facet 1 plants bearing oil seeds or high in juice or oil
Facet 2 descriptors ending with OIL RESIDUE, PULP

MANUALLY EXTRACTED DEHYDRATED OR SUN-CURED: Juice extracted from sugar beets by a hand method and then dried.

Used with Facet 1 BEET SUGAR
Facet 2 PULP

See MANUALLY EXTRACTED; see DEHYDRATED OR SUN-CURED

For International Feed Name use MANUALLY EXTRACTED DEHYDRATED

MANUALLY EXTRACTED ENSILED: Two consecutive processes.

Used with Facet 1 BEET SUGAR
Facet 2 PULP

See MANUALLY EXTRACTED; see ENSILED

For International Feed Name use SILAGE MANUALLY EXTRACTED

MANUALLY EXTRACTED FRESH: Juice extracted from fresh sugar beets by a hand method.

Used with Facet 1 BEET SUGAR, COCONUT
Facet 2 PULP, KERNELS WITH COATS WITHOUT MILK

See MANUALLY EXTRACTED; see FRESH

Mashed: Material made soft or pulpy by beating or crushing.

See FRESH MASHED

MECHANICAL EXTRACTED: Having fat or oil removed from seeds, or boiled fish by heat and mechanical, or hydraulic pressure, or expeller extraction.

Used with Facet 1 plants bearing oil seeds or nuts, fish species, animal species, FISH, ANIMAL

Facet 2 all descriptors ending with OIL RESIDUE

MECHANICAL EXTRACTED CAKED: The material remaining after the removal of oil or fat from seeds using pressure.

Used with Facet 1 plants bearing oil seeds
Facet 2 all descriptors ending with OIL RESIDUE

See MECHANICAL EXTRACTED; see CAKED

Glossary 6.3 (Cont.)

MECHANICAL EXTRACTED FERMENTED: Two consecutive processes.
Used with Facet 1 plants bearing oil seeds
Facet 2 all descriptors ending with OIL RESIDUE
See MECHANICAL EXTRACTED; see FERMENTED

MECHANICAL EXTRACTED FLAKED: Two consecutive processes.
Used with Facet 1 plants bearing oil seeds
Facet 2 SEEDS OIL RESIDUE
See MECHANICAL EXTRACTED; see FLAKED

MECHANICAL EXTRACTED GROUND: Two consecutive processes, the end product being meal.
Used with Facet 1 plants bearing oil seeds, fish species, FISH
Facet 2 descriptors ending with OIL RESIDUE
See MECHANICAL EXTRACTED; see GROUND
For International Feed Name use MEAL MECHANICAL EXTRACTED

MECHANICAL EXTRACTED PELLETED: Two consecutive processes.
Used with Facet 1 plants bearing oil seeds
Facet 2 descriptors ending with OIL RESIDUE
See MECHANICAL EXTRACTED; see PELLETED

MECHANICAL EXTRACTED STEAMED GROUND: Three consecutive processes.
Used with Facet 1 COCONUT
Facet 2 descriptors ending with OIL RESIDUE
See MECHANICAL EXTRACTED; see STEAMED; see GROUND
For International Feed Name use MEAL MECHANICAL EXTRACTED STEAMED

MECHANICAL EXTRACTED TOASTED GROUND: Three consecutive processes.
Used with Facet 1 plants bearing oil seeds
Facet 2 descriptors ending with OIL RESIDUE
See MECHANICAL EXTRACTED; see TOASTED; see GROUND
For International Feed Name use MEAL MECHANICAL EXTRACTED TOASTED

MECHANICAL EXTRACTED WET: The untreated material remaining after the extraction of oil.
Used with Facet 1 OLIVE
Facet 2 FRUIT OIL RESIDUE
See MECHANICAL EXTRACTED; see WET

Neutralized: To subject a substance to the action of a basic solution to neutralize its acidity.

NEUTRALIZED DEHYDRATED: Two consecutive processes; the first is to allow a substance to react with a base to neutralize its acidity; the material is then artificially dried.
Used with Facet 1 mammals
Facet 2 WHEY LOW LACTOSE
See Neutralized, see DEHYDRATED

Glossary 6.3 (Cont.)

NEUTRALIZED DEHYDRATED ON ROLLERS: Two consecutive processes.

Used with Facet 1 mammals

Facet 2 ACID WHEY

See Neutralized; see DEHYDRATED ON ROLLERS

NEUTRALIZED DEHYDRATED OR SUN-CURED:

Used with Facet 1 APPLE WILDCRAB

Facet 2 POMACE CALCIUM HYDROXIDE ADDED

See Neutralized; see DEHYDRATED OR SUN-CURED

For International Feed Name use NEUTRALIZED DEHYDRATED

NEUTRALIZED FRESH: By allowing a fresh substance to react with a base neutralizing its acidity; the material is then fed without further treatment.

Used with Facet 1 mammals

Facet 2 ACID WHEY

Outer Skins: Use BRAN, HULLS, SEED COATS, or KERNEL COATS

PARTIALLY ASPIRATED GELATINIZED: Two consecutive processes, the first being a cleaning process to remove fine dust particles from grain or seeds, the second is to rupture the cells with a combination of moisture, heat and pressure.

Used with Facet 1 SORGHUM

Facet 2 FLOUR

PARTIALLY DEFLUORINATED GROUND: Two consecutive processes first reducing the particle size, and second lowering the fluorine content.

Used with Facet 1 PHOSPHATE

See DEFLUORINATED GROUND

PARTIALLY EXTRACTED DEHYDRATED OR SUN-CURED: Two consecutive processes, juice partially removed from a feed by some chemical or mechanical process and then dried by artificial or natural means.

Used with Facet 1 BEET SUGAR

Facet 2 ROOTS

For International Feed Name use PARTIALLY EXTRACTED DEHYDRATED

PEARLED: Dehulled grain reduced by machine brushing to smaller, smooth particles.

Used with Facet 1 BARLEY

Facet 2 GRAIN

PELLETED: Agglomerated feed by compaction and forced through die openings; material is usually conditioned by adding steam and raising the temperature and/or adding a binding agent.

Used with Facet 1 forage plants, CEREALS, oil seeds.

Facet 2 STRAW MOLASSES ADDED, STRAW AND AERIAL PART MOLASSES

ADDED, TUBERS, TUBERS WITH LEAVES, POMACE, BROWSE, GRAIN, PROCESS RESIDUE, BRAN, BAGASSE, GROATS

Glossary 6.3 (Cont.)

- POLISHED:** Having a smooth surface produced by a mechanical process usually by friction (scouring, polishing).
Used with Facet 1 RICE
Facet 2 GROATS
- POLISHED BOILED:** Two consecutive processes.
Used with Facet 1 RICE
Facet 2 GRAIN
See POLISHED; see BOILED
- POLISHED BROKEN:** Small fragments of rice kernels separated from the larger kernels of milled rice.
Used with Facet 1 RICE
Facet 2 GROATS
- POLISHED EXPANDED:** Polished products are subjected to moisture, pressure and temperature to gelatinize the starch portion. When extruded, its volume is increased, due to abrupt reduction in pressure.
Used with Facet 1 RICE
Facet 2 GRAIN
See POLISHED
- POPPED:** Grain expanded by dry heat that causes the moisture within the kernel to suddenly explode, resulting in popped grain (MAIZE, WHEAT etc.) not RICE.
Used with Facet 1 plants bearing grain except RICE
Facet 2 GRAIN
- POWDERED:** Pulverized, reduced in size; particle size is smaller than ground, or fine ground.
Used with Facet 1 CELLULOSE
- PRECIPITATED:** Separated from suspension or solution as a result of a chemical or physical change.
Used with Facet 1 CALCIUM, CHALK
- PRECIPITATED DEHYDRATED:** Two consecutive processes.
Used with Facet 1 CASEIN
See PRECIPITATED; see DEHYDRATED
- PREPRESSED SOLVENT EXTRACTED GROUND:** Three consecutive processes; the first applied to increase the oil output.
Used with Facet 1 plants bearing oil seeds
Facet 2 SEEDS OIL RESIDUE, SEEDS WITHOUT HULLS OIL RESIDUE
See SOLVENT EXTRACTED; see GROUND
For International Feed Name use MEAL PREPRESSED SOLVENT EXTRACTED
- PRESSED:** Liquid removed by mechanical treatment.
Used with Facet 1 plants producing starchy material, YEAST
Facet 2 STARCH PROCESS RESIDUE, PULP

Glossary 6.3 (Cont.)

- PRESSED ENSILED:** Two consecutive processes.
Used with Facet 1 BEET SUGAR
Facet 2 PULP, PULP WITH MOLASSES
See PRESSED; see ENSILED
For International Feed Name use SILAGE PRESSED
- ROASTED:** Cooked in an oven by dry heat.
Used with Facet 1 ANIMAL, POULTRY; plants bearing grain, nuts or seeds
Facet 2 KERNELS WITH COATS, SEEDS, PITS, CARCASS
- ROASTED DEHYDRATED:** Two consecutive processes.
Used with Facet 1 SWEETPOTATO
Facet 2 TUBERS
See ROASTED; see DEHYDRATED
- ROLLED:** Having changed shape and/or size of particles by compressing between rollers with or without heat; not as flat as flaked; process uses less moisture than flaking.
Used with Facet 1 BARLEY, OATS, SORGHUM
Facet 2 GRAIN, GROATS
- SACCHARIFIED:** Transformed from starch into sugar by the action of acid and/or enzymes.
Used with Facet 1 plants bearing starch material
Facet 2 GRAIN STARCH
- SCREENED:** Separated into different sizes by passing over or through screens; particles too large to pass through the prescribed screen are called grain screenings or seed screenings. Grain fines are those particles that pass through the smallest screen in the system.
Used with Facet 1 MAIZE
Facet 2 COB FRACTIONS
- SCREENED DEHYDRATED OR SUN-CURED:** Two consecutive processes.
Used with Facet 1 SUGARCANE
Facet 2 BAGASSE
See SCREENED; see DEHYDRATED OR SUN-CURED
For International Feed Name use SCREENED DEHYDRATED
- SCREENED GROUND:** Two consecutive processes.
Used with Facet 1 MESQUITE COMMON
Facet 2 SEEDS
See SCREENED; see GROUND
- SEPA EXTRACTED DEHYDRATED OR SUN-CURED:** Two consecutive processes applied in sugar extraction from sugar beet.
Used with Facet 1 BEET SUGAR
Facet 2 PULP
See DEHYDRATED OR SUN-CURED
For International Feed Name use SEPA EXTRACTED DEHYDRATED

Glossary 6.3 (Cont.)

SHREDDED DEHYDRATED OR SUN-CURED: Two consecutive processes; cut into long thin pieces and then dried; potato chips.

Used with Facet 1 plants bearing tubers

Facet 2 TUBERS

See DEHYDRATED OR SUN-CURED

For International Feed Name use SHREDDED DEHYDRATED

Semi decorticated: Use Facet 2 descriptors ending WITH SOME HULLS or WITH SOME COATS

SMOKED: Preserved by exposure to smoke from smoldering wood.

Used with Facet 1 fish species, animal species, FISH, ANIMAL

Facet 2 FLESH, WHOLE OR CUTTINGS

SOLVENT EXTRACTED: Having fat or oil removed from plant material by organic solvents ("new process"). The size of the material was previously reduced.

Used with Facet 1 plants bearing oil seeds, oily fruit and nuts; yeasts with petroleum medium

Facet 2 descriptors ending with OIL RESIDUE

SOLVENT EXTRACTED AMMONIATED GROUND: Three processes.

Used with Facet 1 COTTON

Facet 2 SEEDS OIL RESIDUE

See SOLVENT EXTRACTED; see AMMONIATED; see GROUND

For International Feed Name use MEAL SOLVENT EXTRACTED AMMONIATED

SOLVENT EXTRACTED AUTOCLAVED GROUND: Three consecutive processes.

Used with Facet 1 PEANUT

Facet 2 descriptors ending with OIL RESIDUE

See SOLVENT EXTRACTED; see AUTOCLAVED; see GROUND

For International Feed Name use MEAL SOLVENT EXTRACTED AUTOCLAVED

SOLVENT EXTRACTED DEHYDRATED: Two consecutive processes.

Used with Facet 1 plant material; yeasts with oily medium

Facet 2 descriptors ending with OIL RESIDUE

See SOLVENT EXTRACTED; see DEHYDRATED

SOLVENT EXTRACTED FERMENTED: Two consecutive processes.

Used with Facet 1 AFRICAN OILPALM

Facet 2 OIL SLUDGE OIL RESIDUE

See SOLVENT EXTRACTED; see FERMENTED

SOLVENT EXTRACTED FLAKED: Two consecutive processes the end product being flakes.

Used with Facet 1 plants bearing oil seeds

Facet 2 descriptors ending with OIL RESIDUE

See SOLVENT EXTRACTED; see FLAKED

Glossary 6.3 (Cont.)

- SOLVENT EXTRACTED GROUND:** Two processes, generally the material is ground before being solvent extracted. The resulting material is oil meal.
Used with Facet 1 plants bearing oil seeds, nuts or oil fruit
Facet 2 descriptors ending with OIL RESIDUE
See SOLVENT EXTRACTED; see GROUND
For International Feed Name use MEAL SOLVENT EXTRACTED
- SOLVENT EXTRACTED PELLETED:** Two consecutive processes.
Used with Facet 1 plants bearing oil seeds or nuts
Facet 2 descriptors ending with OIL RESIDUE
See SOLVENT EXTRACTED; see PELLETED
- SOLVENT EXTRACTED SULFURIZED:** Two consecutive processes.
Used with Facet 1 PEANUT
Facet 2 descriptors ending with OIL RESIDUE
See SOLVENT EXTRACTED; see sulfurized
- SOLVENT EXTRACTED TOASTED GROUND:** Three processes.
Used with Facet 1 plants bearing oil seeds
Facet 2 descriptors ending with OIL RESIDUE
See SOLVENT EXTRACTED; see TOASTED; see GROUND
For International Feed Name use MEAL SOLVENT EXTRACTED TOASTED
- SPENT:** Exhausted of absorbing properties or bitterness extracted during the production of beer.
Used with Facet 1 HOPS, vertebrates
Facet 2 BONE CHARCOAL, FRUIT (HOPS)
- SPENT DEHYDRATED:** The spent material has been artificially dried.
Used with Facet 1 HOPS
Facet 2 FRUIT (HOPS)
See SPENT; see DEHYDRATED
- SPENT FRESH:** The spent material has undergone no further treatment.
Used with Facet 1 HOPS
Facet 2 FRUIT (HOPS)
See SPENT; see FRESH
- SPRAY DEHYDRATED:** Moisture is removed from the blood or other products by a low temperature evaporator under vacuum until it contains approximately 30% solids. It is then dried by spraying into a draft of warm, dry air which reduces the product to finely divided particles with a maximum moisture of 5%.
Used with Facet 1 CATTLE, BEET SUGAR, WHALE
Facet 2 WHEY, WHEY ALBUMIN, WHEY LOW LACTOSE, ACID WHEY, MILK, MOLASSES, BLOOD, SOLUBLES
- STABILIZED:** Made more resistant against chemical alteration by adding stabilizing agents.
Used with Facet 1 plants, PLANTS
Facet 2 descriptors designating oil (OIL, SEEDS OIL)

Glossary 6.3 (Cont.)

STEAMED: Treated with steam to alter physical and/or chemical properties.
Used with Facet 1 plants
Facet 2 GRAIN, SEEDS, FRUIT, PULP, ROOTS, TUBERS, LEAVES, WASTE,
SHOOTS, PODS WITH SEEDS

STEAMED DEHYDRATED: Two consecutive processes.
Used with Facet 1 gramineae
Facet 2 STRAW
See STEAMED; see DEHYDRATED

STEAMED DEHYDRATED GROUND: Three consecutive processes the end product being meal.
Used with Facet 1 animal species, ANIMAL, POTATO
Facet 2 BONE, TUBERS, HORNS WITH HOOFES
See STEAMED; see DEHYDRATED; see GROUND
For International Feed Name use MEAL STEAMED

STEEPED: Soaked in water or other liquid.
Used with Facet 1 plants bearing grain or seeds
Facet 2 GRAIN, SEEDS

STEFFENS: A special treatment of beet molasses to recover more sugar through precipitation of calcium sucrate.
Used with Facet 1 BEET SUGAR
Facet 2 MOLASSES

STEFFENS DEHYDRATED: Two consecutive processes.
Used with Facet 1 BEET SUGAR
Facet 2 MOLASSES
See STEFFENS; see DEHYDRATED

STERILIZED HOMOGENIZED: Two consecutive processes: (1) made sterile and resistant against chemical alteration by dry heating or steaming with or without chemical additives; (2) fat particles broken down into evenly distributed globules, small enough to remain emulsified for long periods of time.
Used with Facet 1 mammals
Facet 2 MILK

Sulfurized: To combine or impregnate with sulfur or one of its compounds.

SUN-CURED: Dried naturally, in open air, with or without direct sun light.
Used with Facet 1 forage plants, plants producing leaves, stems, pods, grain heads, twigs, etc.; all parts that can be naturally dried except FRUIT, TUBERS, MUCILAGE, fish species, FISH
Facet 2 AERIAL PART, PODS, LEAVES, LEAVES WITH PUPUNCLES, PODS WITH SEEDS, BROWSE, LARVA, WHOLE, WASTE, STEMS, TWIGS, MUCILAGE SURROUNDING SEEDS, TUBERS WITH STEMS, TUBERS WITH TWIGS, FRUIT WITHOUT HUSKS, AERIAL PART WITHOUT PODS WITHOUT SEEDS, LEAVES WITH PODS, HEADS, BOLLS, BOLLS PROCESS RESIDUE, WHOLE OR CUTTINGS, NODES, LEAVES FIBER

Glossary 6.3 (Cont.)

PROCESS RESIDUE, SHELLS, FLOWERS, SILK, BEES WINGS, HUSKS, LEAVES WITH HUSKS, STEMS WITH TASSELS, TASSELS, LEAVES WITH PODS WITH SEEDS, TOP OF AERIAL PART, WHOLE MOLASSES ADDED, MANURE WITH MULBERRY LEAVES, HAULM, HAULM WITH PODS, AERIAL PART WITHOUT SEEDS, LEAVES WITH FLOWERS WITH PODS, AERIAL PART WITHOUT FRUIT, AERIAL PART WITHOUT FLOWERS, SEED HEADS WITHOUT SEEDS, SEED HEADS, SHOOTS, BARK, STEMS WITHOUT BARK, AERIAL PART WITHOUT HEADS, HULLS, AERIAL PART WITHOUT FRUIT (HOPS), SEEDS WITH MUCILAGE, IMAGO

For International Feed name when SUN-CURED and AERIAL PART appear together (AERIAL PART, SUN-CURED), use the non-descriptor term HAY.

SUN-CURED CHOPPED: Two consecutive processes applied to plants.

Used with Facet 1 plants

Facet 2 AERIAL PART, TUBERS

See SUN-CURED; see CHOPPED

SUN-CURED CUBED: Two consecutive processes applied to forage plants the end product being hay cubes.

Used with Facet 1 forage plants

Facet 2 AERIAL PART

See SUN-CURED; see CUBED

SUN-CURED EXTRACTION UNSPECIFIED GROUND: Three consecutive processes applied to obtain fish meal.

Used with Facet 1 fish species, FISH

Facet 2 WHOLE OR CUTTINGS OIL RESIDUE

See SUN-CURED; see EXTRACTION UNSPECIFIED; see GROUND

For International Feed Name use MEAL EXTRACTION UNSPECIFIED SUN-CURED

SUN-CURED GROUND: Two consecutive processes the end product being meal; hay meal, fish meal (not defatted), crustacean meal.

Used with Facet 1 plants, fish species, FISH, crustaceans

Facet 2 AERIAL PART, LEAVES, BROWSE, PODS, HULLS, SEED COATS, STEMS; WHOLE OR CUTTINGS, VISCERA WITH SCALES WITH HEADS; WHOLE, PODS WITH SEEDS, SEEDS WITHOUT COATS, FRUIT, BARK, PITH

See SUN-CURED; see GROUND

SUN-CURED MECHANICAL EXTRACTED GROUND: Three consecutive processes applied to obtain fish meal.

Used with Facet 1 FISH

Facet 2 WHOLE OR CUTTINGS OIL RESIDUE

See SUN-CURED; see MECHANICAL EXTRACTED; see GROUND

For International Feed Name use MEAL SUN-CURED MECHANICAL EXTRACTED

Glossary 6.3 (Cont.)

SUN-CURED ON RIDERS: Stacked on tripods or other type frames and left until dry.

Used with Facet 1 forage plants
Facet 2 AERIAL PART, LEAVES
See SUN-CURED

SUN-CURED PELLETED: Two consecutive processes the end product being hay pellets.

Used with Facet 1 forage plants
Facet 2 AERIAL PART, FIBER PROCESS RESIDUE, AERIAL PART WITHOUT HEADS,
See SUN-CURED; see PELLETED

SUN-CURED RAINED ON: Forage that has been rained on during harvest resulting in some nutrient loss.

Used with Facet 1 forage plants
Facet 2 AERIAL PART
See SUN-CURED

SUN-CURED RAINED ON CUBED: Three consecutive processes; cubes made from hay which was affected by rain.

Used with Facet 1 forage plants
Facet 2 AERIAL PART
See SUN-CURED RAINED ON; see CUBED

SUN-CURED WAFERED: Two consecutive processes.

Used with Facet 1 forage plants
Facet 2 AERIAL PART
See SUN-CURED; see Wafered

SUN-CURED WEATHERED: Two consecutive processes; the hay was affected by rain, sunlight and air.

Used with Facet 1 forage plants
Facet 2 AERIAL PART

SUN-CURED WEATHERED GROUND: Three consecutive processes the end product being meal.

Used with Facet 1 forage plants, GRASS
Facet 2 AERIAL PART
See SUN-CURED WEATHERED; see GROUND

SUN-CURED WEATHERED PELLETED: Three consecutive processes the end product being hay pellets.

Used with Facet 1 forage plants, GRASS
Facet 2 AERIAL PART
See SUN-CURED WEATHERED; see PELLETED

THERMALLY EXPANDED: Normally restructured by high pressure rolling at the elevated processing temperature.

Used with Facet 1 SOYBEAN
Facet 2 SEEDS

Glossary 6.3 (Cont.)

TOASTED: Browned, dried and/or parched by exposure to a wood fire or to gas or electric heat.

Used with Facet 1 plants bearing SEEDS, GRAIN or KERNELS
Facet 2 GRAIN, SEEDS, descriptors for seed parts

TREATED WITH CALCIUM HYDROXIDE DEHYDRATED:

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

See DEHYDRATED

TREATED WITH CALCIUM HYDROXIDE WET:

Used with Facet 1 CEREALS, woody plants, plants bearing cereal grain
Facet 2 STRAW, SAWDUST, COBS

See WET

TREATED WITH HYDROCHLORIC ACID DEHYDRATED:

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

See DEHYDRATED

TREATED WITH HYDROCHLORIC ACID DEHYDRATED GROUND: Straw meal

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

See DEHYDRATED, see GROUND

TREATED WITH LIGNOSULFONIC ACID DEHYDRATED:

Used with Facet 1 fish species, FISH
Facet 2 SOLUBLES

See DEHYDRATED

TREATED WITH SODIUM BICARBONATE DEHYDRATED:

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

See DEHYDRATED

TREATED WITH SODIUM HYDROXIDE:

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

TREATED WITH SODIUM HYDROXIDE DEHYDRATED:

Used with Facet 1 CEREALS, legumes, and forage plants, plants bearing cereal grain

Facet 2 STRAW, AERIAL PART, BROWSE

See DEHYDRATED

TREATED WITH SODIUM HYDROXIDE DEHYDRATED OR SUN-CURED:

Used with Facet 1 SUGARCANE
Facet 2 BAGASSE

See DEHYDRATED OR SUN-CURED

For International Feed Name use TREATED WITH SODIUM HYDROXIDE DEHYDRATED

Glossary 6.3 (Cont.)

TREATED WITH SODIUM HYDROXIDE HEAT PROCESSED PELLETED: Three consecutive processes the end product being straw pellets.

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

See HEAT PROCESSED; see PELLETED

TREATED WITH SODIUM HYDROXIDE SUN-CURED:

Used with Facet 1 RYEGRASS PERENNIAL-BENTGRASS, forage plants
Facet 2 AERIAL PART

See SUN-CURED

TREATED WITH SODIUM HYDROXIDE WET:

Used with Facet 1 BARLEY, PEA, RAPE, RICE, RYE, forage plants
Facet 2 STRAW, HULLS

See WET

TREATED WITH SODIUM SULFIDE DEHYDRATED:

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 STRAW

See DEHYDRATED

UNCLEANED: As coming from screening grain in the milling industry.

Used with Facet 1 CEREALS, plants bearing cereal grain
Facet 2 GRAIN SCREENINGS

Wafered: Agglomerated by compressing into a form that usually measures more in diameter or cross section than in length.

WASHED DEHYDRATED: Two consecutive processes.

Used with Facet 1 BEET SUGAR
Facet 2 LEAVES

See DEHYDRATED

WASHED ENSILED: Two consecutive processes.

Used with Facet 1 BEET SUGAR
Facet 2 LEAVES, AERIAL PART WITH CROWNS

See ENSILED

For International Feed Name use SILAGE WASHED

WASHED SCREENED WET: Three consecutive processes.

Used with Facet 1 SAGOPALM SMOOTH
Facet 2 STARCH PROCESS RESIDUE

See SCREENED; see WET

WATER EXTRACTED DEHYDRATED: Two consecutive processes: freed from soluble substances by the action of water then artificially dried.

Used with Facet 1 animal species (including fish), ANIMAL, FISH
Facet 2 FLESH, MEAT

Glossary 6.3 (Cont.)

WATER EXTRACTED DEHYDRATED GROUND: Three consecutive processes the end product being meal.

Used with Facet 1 ANIMAL, HORSECHESTNUT COMMON

Facet 2 LIVERS, FRUIT WITHOUT HUSKS, GLAND TISSUE, LIVERS-GLANDS

See WATER EXTRACTED DEHYDRATED; see GROUND

For International Feed Name use MEAL WATER EXTRACTED

WATER EXTRACTED WET: Freed from soluble substances by the action of water and then fed without further treatment.

Used with Facet 1 SOYBEAN

Facet 2 PROCESS RESIDUE

WET: As material comes from a process.

Used with Facet 1 plants, animal species, yeast

Facet 2 descriptors for industrial by-products; PULP, MOLASSES, BREWERS GRAINS, RUMEN CONTENTS, POMACE, POMACE WITHOUT PECTIN, BREWERS GRAINS, BREWERS SOLUBLES, DISTILLERS GRAINS, DISTILLERS STILLAGE, MALT SPROUTS, DISTILLERS RESIDUE, MOLASSES FERMENTATION SOLUBLES, PULP WITH STEFFENS FILTRATE, FILTRATION SCUMS, STARCH PROCESS RESIDUE, GROUNDS, EXTRACTIVES, FILTER CAKE, PROCESS RESIDUE, MANURE, DREGS

Wet milled: Steeped in water with or without sulfur dioxide to soften the grain kernel in order to facilitate the separation of the various component parts.

WET MILLED DEHYDRATED: Two consecutive processes. Used by the starch and instant coffee industries.

Used with Facet 1 MAIZE, COFFEE

Facet 2 INSTANT BEVERAGE RESIDUE, GLUTEN

See WET MILLED; see DEHYDRATED

WET MILLED DEHYDRATED GROUND: Three consecutive processes used in the starch industry. Steeped in water with or without sulfur dioxide to soften the grain kernel in order to facilitate the separation of the various component parts; it is then dehydrated; and then ground.

Used with Facet 1 CEREALS

Facet 2 GLUTEN, GLUTEN WITH BRAN

See WET MILLED; see DEHYDRATED; see GROUND

For International Feed Name use MEAL

WET MILLED MECHANICAL EXTRACTED GROUND: Three consecutive processes applied in the separation of grain into its various components; the extraction of oil, and grinding of the specific material being referred to.

Used with Facet 1 MAIZE

Facet 2 GERMS OIL RESIDUE, GERMS WITHOUT EXTRACTIVES OIL RESIDUE

See WET MILLED; see MECHANICAL EXTRACTED; see GROUND

For International Feed Name use MEAL SOLVENT EXTRACTED

Glossary 6.3 (Cont.)

WET MILLED SOLVENT EXTRACTED GROUND: Three consecutive processes used in the extraction of oil and grinding of the residue.

Used with Facet 1 MAIZE

Facet 1 GERMS OIL RESIDUE, GERMS WITHOUT EXTRACTIVES OIL RESIDUE

See WET MILLED; see SOLVENT EXTRACTED; see GROUND

For International Feed Name use MEAL SOLVENT EXTRACTED

WET RENDERED: Cooked with steam under pressure in closed tanks.

Used with Facet 1 CATTLE, SWINE

Facet 2 CRACKLINGS

See DRY OR WET RENDERED; see DRY RENDERED

For International Feed Name use RENDERED

WILTED: Turgor lost as result of water loss.

Used with Facet 1 forage plants

Facet 2 AERIAL PART, STEMS, LEAVES, SHOOTS,
BROWSE

WILTED ENSILED: Two consecutive processes.

Used with Facet 1 forage plants

Facet 2 AERIAL PART, AERIAL PART AND STUBBLE, FLOWER HEADS,
AERIAL PART WITH CROWNS, AERIAL PART MOLASSES ADDED,
AERIAL PART SULFUR DIOXIDE PRESERVATIVE ADDED, AERIAL
PART LIMESTONE PRESERVATIVE ADDED, AERIAL PART MAIZE EARS
GROUND ADDED, AERIAL PART PHOSPHORIC ACID PRESERVATIVE
ADDED

See WILTED; see ENSILED

For International Feed Name use SILAGE WILTED

GLOSSARY 6.4 Alphabetic List of Facet 4 Stage of Maturity Descriptors for Plants with Definitions on Their Use in the International Feed Description

Preferred term	Definition	Comparable terms
<i>For Plants that Bloom</i>		
GERMINATED	Stage in which the embryo in a seed resumes growth after a dormant period	Sprouted
EARLY VEGETATIVE	Stage at which the plant is vegetative and before the stems elongate	Fresh new growth, before heading out, before inflorescence emergence, immature, prebud stage, very immature, young
LATE VEGETATIVE	Stage at which stems are beginning to elongate to just before blooming; first bud to first flowers	Before bloom, bud stage, budding plants heading to bloom, heads just showing, jointing and boot (grasses), prebloom, preflowering, stems elongated
EARLY BLOOM	Stage between initiation of bloom and stage in which 1/10 of the plants are in bloom; some grasses heads are in anthesis	Early anthesis, first flower, headed out in head, up to 1/10 bloom
MIDBLOOM	Stage in which 1/10 to 2/3 of the plants are in bloom, most grass heads are in anthesis	Bloom, flowering, flowering plants, half bloom, in bloom, mid anthesis
FULL BLOOM	Stage in which 2/3 or more of the plants are in bloom	3/4 to full bloom late anthesis
LATE BLOOM	Stage in which blossoms begin to dry and fall and seeds begin to form	15 days after silking, before milk, in bloom to early pod, late to past anthesis
MILK STAGE	Stage in which seeds are well formed but soft and immature	After anthesis, early seed, fruiting, in tassel, late bloom to early seed, past bloom, pod stage, post anthesis, post bloom, seed developing, seed forming, soft, soft immature
DOUGH STAGE	Stage in which the seeds are of dough-like consistency	Dough stage nearly mature, seeds dough, seeds well developed, soft, dent
MATURE	Stage in which plants are normally harvested for seed	Dent, dough to glazing, fruiting plants, in seed, kernels ripe, ripe seed

GLOSSARY 6.4 (Cont.)

Preferred term	Definition	Comparable terms
POST RIPE	Stage that follows maturity; some seeds cast and plants have begun to weather (applies mostly to range plants)	Late seed, overripe, very mature
STEM CURED	Stage in which plants are cured on the stem; seeds have been cast and weathering has taken place (applies mostly to range plants)	Dormant, mature and weathered, seeds cast
REGROWTH EARLY VEGETATIVE	Stage in which regrowth occurs without flowering activity; vegetative crop aftermath; regrowth in stubble (applies primarily to fall regrowth in temperate climates); early dry season regrowth	Vegetative recovery growth
REGROWTH LATE VEGETATIVE	Stage in which stems begin to elongate to just before blooming; first bud to first flowers; regrowth in stubble with stem elongation (applies primarily to fall regrowth in temperate climates)	Recovery growth, stems elongating jointing and boot (grasses)
IMMATURE	Used for grain, seeds, fruit and leaves	

For Plants that Do Not Bloom^a

1 TO 14 DAYS' GROWTH	A specified length of time after plants have started to grow	2 weeks' growth
15 TO 28 DAYS' GROWTH	do	4 weeks' growth
29 TO 42 DAYS' GROWTH	do	6 weeks' growth
43 TO 56 DAYS' GROWTH	do	8 weeks' growth
57 TO 70 DAYS' GROWTH	do	10 weeks' growth

GLOSSARY 6.4 (Cont.)

Preferred term	Definition	Comparable terms
71 TO 84 DAYS' GROWTH	A specified length of time after plants have started to grow	12 weeks' growth
85 TO 98 DAYS' GROWTH	do	14 weeks' growth
99 TO 112 DAYS' GROWTH	do	16 weeks' growth
113 TO 126 DAYS' GROWTH	do	18 weeks' growth
127 TO 140 DAYS' GROWTH	do	20 weeks' growth
141 TO 154 DAYS' GROWTH	do	22 weeks' growth
155 TO 168 DAYS' GROWTH	do	24 weeks' growth
169 TO 182 DAYS' GROWTH	do	26 weeks' growth
183 TO 196 DAYS' GROWTH	do	28 weeks' growth
197 TO 210 DAYS' GROWTH	do	30 weeks' growth
211 TO 224 DAYS' GROWTH	do	32 weeks' growth
225 TO 238 DAYS' GROWTH	do	34 weeks' growth
239 TO 252 DAYS' GROWTH	do	36 weeks' growth
253 TO 266 DAYS' GROWTH	do	38 weeks' growth
267 TO 280 DAYS' GROWTH	do	40 weeks' growth
281 TO 294 DAYS' GROWTH	do	42 weeks' growth

GLOSSARY 6.4 (Cont.)

Preferred term	Definition	Comparable terms
295 TO 308 DAYS' GROWTH	A specified length of time after plants have started to grow	44 weeks' growth
309 TO 322 DAYS' GROWTH	do	46 weeks' growth
323 TO 336 DAYS' GROWTH	do	48 weeks' growth
337 TO 350 DAYS' GROWTH	do	50 weeks' growth
351 TO 364 DAYS' GROWTH	do	52 weeks' growth
365 TO 378 DAYS' GROWTH	do	54 weeks' growth
379 TO 392 DAYS' GROWTH	do	56 weeks' growth

^aThese classes are for species that remain vegetative for long periods and apply primarily to the tropics. When the name of a feed is developed, the age classes form part of the name (e.g., Pangolagrass, 15 to 28 days' growth). Do not use terms which apply to plants that bloom and those which do not bloom in same name.

GLOSSARY 6.5 Maturity Terms for
Animals, Facet 4

Ruminants and Non-Ruminants	Poultry	Fish
DAY OLD	DAY OLD	LARVAL
SUCKLING	CHICK	FRY
GROWER	BROILER	FINGERLING
ADULT	ADULT	GROWER
AGED	AGED	ADULT
		AGED

GLOSSARY 6.6 Alphabetical List of Facet 6 Grade Descriptors Showing How They are Used in Relation to Facet 1 (Original Material) and Facet 2 (Part) Where Applicable

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
ALL FORAGE	CATTLE	MANURE
BROWN	ALFALFA	AERIAL PART
"	SAINFOIN	" "
"	SERRADELLA	" "
CHEMICALLY PURE	minerals	
COARSE	MAIZE	STARCH PROCESS RESIDUE
CULL	CHICKEN	CARCASS
"	"	WHOLE FRESH
"	"	WHOLE WITHOUT FEATHERS
FEEDLOT	CATTLE	MANURE
FEW EARS	MAIZE	AERIAL PART
FINE	"	STARCH PROCESS RESIDUE
FLOOD DAMAGED	"	GRAIN
"	SORGHUM	"
FORAGE AND CONCENTRATE	CATTLE	MANURE
FROM DEFLUORINATED	minerals	
PHOSPHORIC ACID		
FROM FURNACED PHOSPHORIC	"	
ACID		
GRADE INFERIOR	ALFALFA	AERIAL PART
" "	BANANA	FRUIT
" "	BARLEY	GRAIN
" "	BROME	AERIAL PART
" "	CASHEW	KERNELS WITH COATS
" "	"	KERNELS WITH COATS OIL RESIDUE
" "	CLOVER	AERIAL PART
" "	CLOVER-GRASS	" "
" "	CLOVER-TIMOTHY	" "
" "	CRABGRASS	" "
" "	FLAX	SEEDS
" "	GRAPE	FRUIT
" "	GRASS	AERIAL PART
" "	GRASS-LEGUME	" "
" "	LESPEDEZA	" "
" "	MAIZE	GRAIN
" "	MEADOW PLANTS	AERIAL PART
" "	OATS	GRAIN
" "	PANGOLAGRASS	AERIAL PART
" "	PRAIRIE PLANTS	" "
" "	RICE	GRAIN
" "	RYE	"
" "	SORGHUM	"
" "	"	AERIAL PART

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
GRADE INFERIOR	SOYBEAN	AERIAL PART
" "	"	SEEDS
" "	TIMOTHY	AERIAL PART
" "	TIMOTHY-GRASS	" "
" "	VETCH	SEEDS
" "	WHEAT	GRAIN
GRADE 1	CEREALS	GRAIN SCREENINGS
" "	PRAWN	WHOLE
GRADE 1 HEAVY 46.3 KG/HL	OATS	GRAIN
GRADE 1 43.8 KG/HL	"	"
" " 60.5 KG/HL	BARLEY	"
" " 72.1 KG/HL	MAIZE	"
GRADE 2	CEREALS	GRAIN SCREENINGS
" "	PRAWN	WHOLE
" "	SAGOPALM	STARCH
GRADE 2 41.2 KG/HL	OATS	GRAIN
" " 69.5 KG/HL	MAIZE	"
GRADE 3 66.9 KG/HL	"	"
GRADE 4 63.1 KG/HL	"	"
GRADE 5 59.2 KG/HL	"	"
HEAT DAMAGED	CLOVER-RYEGRASS	AERIAL PART
HIGH ERUCIC ACID	RAPE	SEEDS OIL
HIGH LYSINE	SORGHUM	GRAIN
HIGH MOISTURE	BARLEY	"
" "	MAIZE	EARS
" "	"	GRAIN
" "	SORGHUM	"
" "	WHEAT	"
" "	YEAST	
HUMAN GRADE		
LESS THAN 20% CALCIUM MORE THAN 10% PHOSPHORUS	ANIMAL	BONE
LESS THAN 12.5% DRY MATTER	BEET	ROOTS
LESS THAN 30% DRY MATTER	ALFALFA	AERIAL PART
" " " " "	ALFALFA-ORCHARDGRASS	" "
" " " " "	MAIZE	" "
LESS THAN 85% DRY MATTER	SORGHUM	" "
" " " " "	"	AERIAL PART WITHOUT HEADS
LESS THAN 5% FAT	GARBAGE	
LESS THAN 1.5% FIBER	WHEAT	FLOUR
LESS THAN 2% FIBER	"	"
LESS THAN 3.5% FIBER	MAIZE	FLOUR BY-PRODUCT WITHOUT BRAN
" " " "	RYE	FLOUR BY-PRODUCT
" " " "	WHEAT	" "
LESS THAN 4% FIBER	OATS	CEREAL BY-PRODUCT
" " " "	WHEAT	FLOUR

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
LESS THAN 4% FIBER	WHEAT	FLOUR BY-PRODUCT
LESS THAN 4.5% FIBER	RYE	" "
" " " "	WHEAT	" "
LESS THAN 5% FIBER	"	" "
LESS THAN 6% FIBER	RICE	BRAN
" " " "	"	POLISHINGS
" " " "	RYE	MILL RUN
LESS THAN 7% FIBER	MAIZE	FLOUR BY-PRODUCT
" " " "	OATS	" " "
" " " "	"	GROATS BY-PRODUCT
" " " "	TRITICALE	FLOUR BY-PRODUCT
" " " "	WHEAT	" "
LESS THAN 8% FIBER	PEA	" "
" " " "	RYE	" "
" " " "	WHEAT	" "
LESS THAN 8.5% FIBER	RYE	" "
LESS THAN 9.5% FIBER	RYE	MILL RUN
" " " "	WHEAT	FLOUR BY-PRODUCT
" " " "	"	FLOUR BY-PRODUCT PALM OIL ADDED
LESS THAN 11% FIBER	BARLEY	BRAN
LESS THAN 12% FIBER	"	FLOUR BY-PRODUCT
" " " "	WHEAT	FLOUR BY-PRODUCT
LESS THAN 12.5% FIBER	"	BRAN
LESS THAN 14% FIBER	BARLEY	"
LESS THAN 15% FIBER	WHEAT	FLOUR BY-PRODUCT
LESS THAN 19% FIBER	BARLEY	BRAN
LESS THAN 22% FIBER	BUCKWHEAT	GRAIN HULLS ADDED
" " " "	OATS	GROATS BY-PRODUCT
LESS THAN 30% FIBER	"	" "
" " " "	"	MILL RUN
LESS THAN 8% PROTEIN	SORGHUM	GRAIN
LESS THAN 9% PROTEIN	"	"
LESS THAN 10% PROTEIN	ALFALFA	AERIAL PART
" " " "	BROME	" "
" " " "	CLOVER-GRASS	" "
" " " "	GRASS-LEGUME-FORB	" "
" " " "	MARSH PLANTS	" "
" " " "	MEADOW PLANTS	" "
" " " "	RYEGRASS	" "
" " " "	VETCH-CLOVER-RYEGRASS	" "
LESS THAN 40% PROTEIN	ANIMAL	CARCASS RESIDUE WITH BONE
" " " "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 40% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
LESS THAN 40% PROTEIN LESS THAN 3.1-8% FAT	FISH	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 40% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 65% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 65% PROTEIN LESS THAN 3.1-8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 65% PROTEIN LESS MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
LIGHT LESS THAN 34.7 KG/HL	OATS	GRAIN
LIGHT LESS THAN 46.3 KG/HL	BARLEY	"
LOW ERUCIC ACID	RAPE	SEEDS OIL
LOW FLUORINE	ROCK PHOSPHATE	
MOLDY	MAIZE	GRAIN
"	PEA	AERIAL PART
"	SORGHUM	GRAIN
MORE THAN 43% DEXTROSE EQUIVALENT MORE THAN 50% TOTAL DEXTROSE MORE THAN 78 DEGREES BRIX	MAIZE	MOLASSES
MORE THAN 18% DRY MATTER	BEET	ROOTS
" " " " "	"	WHOLE
MORE THAN 28% DRY MATTER	"	PULP
MORE THAN 50% DRY MATTER	ALFALFA	AERIAL PART
" " " " "	ALFALFA-BROME	" "
" " " " "	ALFALFA-ORCHARDGRASS	" "
" " " " "	MAIZE	" "
MORE THAN 85% DRY MATTER	SORGHUM	AERIAL PART
" " " " "	"	AERIAL PART WITHOUT HEADS
MORE THAN 20% CALCIUM LESS THAN 10% PHOSPHORUS	ANIMAL	BONES
MORE THAN 3.5% FAT	COCONUT	KERNELS WITH COATS OIL RESIDUE
MORE THAN 5% FAT	ANIMAL	BONE OIL RESIDUE
MORE THAN 10% FAT	FLAX	SEEDS OIL RESIDUE
MORE THAN 12% FAT	COCONUT	KERNELS WITH COATS OIL RESIDUE
" " " "	COTTON	SEEDS OIL RESIDUE
" " " "	"	SEEDS WITH SOME HULLS OIL RESIDUE
" " " "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" " " "	FLAX	SEEDS OIL RESIDUE
" " " "	MAIZE	GERMS OIL RESIDUE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
MORE THAN 12% FAT	OILPALM	KERNELS WITH COATS OIL RESIDUE
" " " "	PEANUT	PODS WITH SEEDS OIL RESIDUE
" " " "	"	SEEDS OIL RESIDUE
" " " "	"	SEEDS WITH SOME PODS OIL RESIDUE
" " " "	RAPE	SEEDS OIL RESIDUE
" " " "	SAFFLOWER	" " "
" " " "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" " " "	SESAME	SEEDS OIL RESIDUE
" " " "	SUNFLOWER	" " "
" " " "	"	SEEDS WITH SOME HULLS OIL RESIDUE
" " " "	"	SEEDS WITHOUT HULLS OIL RESIDUE
MORE THAN 20% FAT	GARBAGE	
MORE THAN 7% FIBER	SOYBEAN	SEEDS OIL RESIDUE
MORE THAN 12% FIBER	RICE	BRAN
" " " "	"	POLISHINGS
MORE THAN 15% FIBER	WHEAT	FLOUR BY-PRODUCT
MORE THAN 19% FIBER	BARLEY	BRAN WITH HULLS
MORE THAN 30% FIBER	BUCKWHEAT	GRAIN HULLS ADDED
MORE THAN 45% INVERT SUGARS	BEET	PULP WITH MOLASSES
MORE THAN 46% INVERT SUGARS	SUGARCANE	MOLASSES
MORE THAN 79.5 DEGREES BRIX		
MORE THAN 48% INVERT SUGARS	BEET	MOLASSES
MORE THAN 79.5 DEGREES BRIX		
MORE THAN 10% PHOSPHORUS	ANIMAL	BONE
MORE THAN 12% PHOSPHORUS	"	"
MORE THAN 10% PROTEIN	SORGHUM	GRAIN
MORE THAN 12% PROTEIN	"	"
MORE THAN 23% PROTEIN	ALFALFA	AERIAL PART
" " " "	CLOVER	" "
" " " "	GRASS-LEGUME-FORB	" "
" " " "	MEADOW PLANTS	" "
" " " "	RYEGRASS	" "
" " " "	VETCH-CLOVER-RYEGRASS	" "
MORE THAN 40% PROTEIN	FISH	WHOLE OR CUTTINGS
MORE THAN 45% PROTEIN	"	" " "
MORE THAN 50% PROTEIN	"	" " "
MORE THAN 55% PROTEIN	"	" " "
MORE THAN 60% PROTEIN	YEAST	" " "

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
MORE THAN 65% PROTEIN	YEAST	
MORE THAN 70% PROTEIN	ANIMAL	CARCASS RESIDUE
" " " "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
" " " "	SOYBEAN	PROTEIN CONCENTRATE
MORE THAN 65% PROTEIN	FISH	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 3% FAT		
MORE THAN 65% PROTEIN	"	WHOLE OR CUTTINGS OIL RESIDUE
3.1-8% FAT		
MORE THAN 65% PROTEIN	"	WHOLE OR CUTTINGS OIL RESIDUE
MORE THAN 8% FAT		
MORE THAN 70% PROTEIN	FISH	WHOLE OR CUTTINGS OIL RESIDUE
LESS THAN 3% FAT		
MORE THAN 70% PROTEIN	"	WHOLE OR CUTTINGS OIL RESIDUE
3.1-8% FAT		
MORE THAN 70% PROTEIN	"	WHOLE OR CUTTINGS OIL RESIDUE
MORE THAN 8% FAT		
MORE THAN 60% STARCH	CASSAVA	TUBERS
MORE THAN 65% STARCH	"	TUBERS WITHOUT PEELINGS
MORE THAN 24% SUGAR	BEET	PULP
PACIFIC COAST	BARLEY	GRAIN
" "	OATS	"
" "	WHEAT	"
SOFT	ROCK PHOSPHATE	
TECHNICAL	minerals	
VITAMIN FREE	CASEIN	
WEATHER DAMAGED	MAIZE	AERIAL PART
WELL EARED	"	" "
12.5-15% DRY MATTER	BEET	ROOTS
" " "	"	WHOLE
15.1-18% DRY MATTER	"	ROOTS
17-23% DRY MATTER	"	PULP
23-28% DRY MATTER	"	"
30% DRY MATTER	ALFALFA-BROME	AERIAL PART
30-50% DRY MATTER	ALFALFA	" "
" " "	ALFALFA-BROME	" "
" " "	ALFALFA-ORCHARDGRASS	" "
" " "	MAIZE	" "
2.6-4.5% FAT	COTTON	SEEDS OIL RESIDUE
" "	"	SEEDS WITH SOME HULLS OIL RESIDUE
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
4.1-8% FAT	COCONUT	KERNELS WITH COATS OIL RESIDUE
" "	COTTON	SEEDS OIL RESIDUE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
4.1-8% FAT	COTTON	SEEDS WITH SOME HULLS OIL RESIDUE
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" "	FLAX	SEEDS OIL RESIDUE
" "	MAIZE	GERMS OIL RESIDUE
" "	OILPALM	KERNELS WITH COATS OIL RESIDUE
" "	PEANUT	PODS WITH SEEDS OIL RESIDUE
" "	"	SEEDS OIL RESIDUE
" "	"	SEEDS WITH SOME PODS OIL RESIDUE
" "	RAPE	SEEDS OIL RESIDUE
" "	SAFFLOWER	" " "
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" "	SESAME	SEEDS OIL RESIDUE
" "	SORGHUM	GRAIN OIL RESIDUE
" "	SUNFLOWER	SEEDS OIL RESIDUE
" "	"	SEEDS WITH SOME HULLS OIL RESIDUE
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" "	WHEAT	GRAIN OIL RESIDUE
5.1-20% FAT	GARBAGE	
5-9% FAT	FISH	WHOLE OR CUTTINGS OIL RESIDUE
8.1-12% FAT	COCONUT	KERNELS WITH COATS OIL RESIDUE
" "	COTTON	SEEDS OIL RESIDUE
" "	"	SEEDS WITH SOME HULLS OIL RESIDUE
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" "	FLAX	SEEDS OIL RESIDUE
" "	MAIZE	GERMS OIL RESIDUE
" "	OILPALM	KERNELS WITH COATS OIL RESIDUE
" "	OLIVE	FRUIT OIL RESIDUE
" "	PEANUT	PODS WITH SEEDS OIL RESIDUE
" "	"	SEEDS OIL RESIDUE
" "	"	SEEDS WITH SOME PODS OIL RESIDUE
" "	RAPE	SEEDS OIL RESIDUE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
8.1-12% FAT	SAFFLOWER	SEEDS OIL RESIDUE
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
" "	SESAME	SEEDS OIL RESIDUE
" "	SUNFLOWER	" " "
" "	"	SEEDS WITH SOME HULLS OIL RESIDUE
" "	"	SEEDS WITHOUT HULLS OIL RESIDUE
1.6-3.5% FIBER	WHEAT	FLOUR BY-PRODUCT
3.6-5% FIBER	"	" "
6-12% FIBER	RICE	BRAN
" "	"	POLISHINGS
23-27% FIBER	"	BRAN
0.007% IODINE	SALT	
42% NITROGEN 262 PROTEIN EQUIVALENT	UREA CONDITIONER ADDED	
45% NITROGEN 281% PROTEIN EQUIVALENT	UREA	
18% PHOSPHORUS	PHOSPHATE	
18.5% PHOSPHORUS	"	
21% PHOSPHORUS	"	
6-8.5% PROTEIN	BERMUDAGRASS	AERIAL PART
8-10% PROTEIN	SORGHUM	GRAIN
9-12% PROTEIN	"	"
10.1-11% PROTEIN	ALFALFA	AERIAL PART
" "	CLOVER-GRASS	" "
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
" "	VETCH-CLOVER-RYEGRASS	" "
11.1-13% PROTEIN	ALFALFA	" "
" "	CLOVER	" "
" "	CLOVER-GRASS	" "
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
" "	VETCH-CLOVER-RYEGRASS	" "
12-13.9% PROTEIN	BERMUDAGRASS	AERIAL PART
13% PROTEIN	ALFALFA	" "
13.1-15% PROTEIN	ALFALFA	" "
" "	CLOVER	" "
" "	CLOVER-GRASS	" "
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
" "	VETCH-CLOVER-RYEGRASS	" "
14-15.9% PROTEIN	BERMUDAGRASS	" "

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
15% PROTEIN	ALFALFA	AERIAL PART
15.1-17% PROTEIN	ALFALFA	" "
" "	CLOVER	" "
" "	CLOVER-CEREALS	AERIAL PART AND STUBBLE
" "	CLOVER-GRASS	AERIAL PART
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
" "	VETCH-CLOVER-RYEGRASS	" "
16-20.4% PROTEIN	BERMUDAGRASS	" "
17% PROTEIN	ALFALFA	" "
17.1-19% PROTEIN	ALFALFA	AERIAL PART
" "	CLOVER	" "
" "	CLOVER-CEREALS	AERIAL PART AND STUBBLE
" "	CLOVER-GRASS	AERIAL PART
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
" "	VETCH-CLOVER-RYEGRASS	" "
18% PROTEIN	ALFALFA	AERIAL PART
19.1-21% PROTEIN	"	" "
" "	CLOVER	" "
" "	CLOVER-GRASS	" "
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
" "	RYEGRASS	" "
20% PROTEIN	ALFALFA	AERIAL PART
" "	SAFFLOWER	SEEDS OIL RESIDUE
21.1-23% PROTEIN	ALFALFA	AERIAL PART
" "	GRASS-LEGUME-FORB	" "
" "	MEADOW PLANTS	" "
22% PROTEIN	ALFALFA	AERIAL PART
" "	KAPOK	SEEDS OIL RESIDUE
30% PROTEIN	"	" " "
31% PROTEIN	FLAX	" " "
33% PROTEIN	"	" " "
34% PROTEIN	RAPE	" " "
35% PROTEIN	FLAX	" " "
36% PROTEIN	COTTON	" " "
37% PROTEIN	FLAX	" " "
" "	RAPE	" " "
38% PROTEIN	SOYBEAN	" " "
40.1-45% PROTEIN	ANIMAL	WHOLE OR CUTTINGS
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
40% PROTEIN	ANIMAL	CARCASS RESIDUE
" "	ANIMAL-POULTRY	CARCASS RESIDUE WITH BLOOD WITH BONE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
40% PROTEIN	KAPOK	SEEDS OIL RESIDUE
41% PROTEIN	COTTON	" " "
" "	MAIZE	GLUTEN
" "	SUNFLOWER	SEEDS WITHOUT HULLS OIL RESIDUE
42% PROTEIN	SAFFLOWER	SEEDS WITHOUT HULLS OIL RESIDUE
43% PROTEIN	COTTON	SEEDS OIL RESIDUE
44% PROTEIN	"	" " "
" "	SESAME	" " "
" "	SOYBEAN	" " "
" "	SUNFLOWER	SEEDS WITHOUT HULLS OIL RESIDUE
45.1-50% PROTEIN	ANIMAL	WHOLE OR CUTTINGS
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
45% PROTEIN	ANIMAL	CARCASS RESIDUE WITH BONE
" "	PEANUT	SEEDS WITHOUT COATS OIL RESIDUE
46% PROTEIN	COTTON	SEEDS OIL RESIDUE
" "	SOYBEAN	" " "
48% PROTEIN	COTTON	" " "
49% PROTEIN	SOYBEAN	SEEDS WITHOUT HULLS OIL RESIDUE
50% PROTEIN	ANIMAL	CARCASS RESIDUE WITH BONE
" "	ANIMAL-POULTRY	CARCASS RESIDUE
" "	" "	CARCASS RESIDUE WITH BLOOD
" "	COTTON	SEEDS WITHOUT HULLS OIL RESIDUE
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
" "	MAIZE	GLUTEN
" "	PEANUT	SEEDS WITHOUT COATS OIL RESIDUE
50.1-55% PROTEIN	ANIMAL	WHOLE OR CUTTINGS
" "	FISH	WHOLE OIL RESIDUE
55% PROTEIN	ANIMAL	CARCASS RESIDUE
" "	"	CARCASS RESIDUE WITH BONE
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
55.1-60% PROTEIN	ANIMAL	WHOLE OR CUTTINGS
" "	FISH	WHOLE OIL RESIDUE
" "	"	WHOLE OR CUTTINGS OIL RESIDUE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
60% PROTEIN	COTTON	SEEDS WITHOUT HULLS OIL RESIDUE
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
" "	MAIZE	GLUTEN
60.1-65% PROTEIN	ANIMAL	CARCASS RESIDUE WITH BONE
" "	"	WHOLE OR CUTTINGS
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
65% PROTEIN	"	WHOLE OR CUTTINGS OIL RESIDUE
65.1-70% PROTEIN	ANIMAL	CARCASS RESIDUE WITH BONE
" "	"	WHOLE OR CUTTINGS
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
70% PROTEIN	ANIMAL	CARCASS RESIDUE
" "	FISH	WHOLE OR CUTTINGS OIL RESIDUE
80% PROTEIN	ANIMAL	BLOOD
40.1-45% PROTEIN LESS THAN 3% FAT	FISH	WHOLE OR CUTTINGS OIL RESIDUE
40.1-45% PROTEIN 3.1-8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
40.1-45% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
45.1-50% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
45.1-50% PROTEIN 3.1-8% FAT	FISH	WHOLE OR CUTTINGS OIL RESIDUE
45.1-50% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
50.1-55% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
50.1-55% PROTEIN 3.1-8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
50.1-55% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
55.1-60% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
55.1-60% PROTEIN 3.1-8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
55.1-60% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
60.1-65% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
60.1-65% PROTEIN LESS THAN 10% FAT	ANIMAL	CARCASS RESIDUE
60.1-65% PROTEIN 3.1-8% FAT	FISH	WHOLE OR CUTTINGS OIL RESIDUE
60.1-65% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
60.1-65% PROTEIN MORE THAN 10% FAT	"	CARCASS RESIDUE
65.1-70% PROTEIN LESS THAN 3% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
65.1-70% PROTEIN 3.1-8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
65.1-70% PROTEIN MORE THAN 8% FAT	"	WHOLE OR CUTTINGS OIL RESIDUE
65.1-70% PROTEIN MORE THAN 10% FAT	ANIMAL	CARCASS RESIDUE
20%:80%	RICE	BRAN WITH HULLS
30%:70%	"	" " "
40%:40%:20%	THREEAWN-ALYCECLOVER- GOOSEGRASS	AERIAL PART
40%:60%	RICE	BRAN WITH HULLS
50%:20%:20%:10%	BLUESTEM-DESMOSTACHYA- AELUROPUS-DROPSEED	AERIAL PART
50%:50%	ALFALFA-RHODESGRASS	AERIAL PART
"	BEAN-GAMAGRASS	" "
"	BEAN-NAPIERGRASS	" "
"	BLUESTEM-DESMOSTACHYA	" "
"	MAIZE-PARAGRASS	" "
"	RICE	BRAN WITH HULLS
"	RYEGRASS-BENTGRASS	AERIAL PART
"	VELVETBEAN-GAMAGRASS	" "
"	VELVETBEAN-NAPIERGRASS	" "
60%:30%:10%	ELEUSINE-ANDROPOGON- AMARANTH	
60%:40%	BLUESTEM-DESMOSTACHYA	AERIAL PART
"	RICE	BRAN WITH HULLS
"	THREEAWN-ALYCECLOVER	" "
65%:19%:11%	STARGRASS-PANGOLAGRASS- BUTTERFLYPEA	AERIAL PART
65%:25%:10%	BARLEY-ALFALFA	STRAW AND AERIAL PART MOLASSES ADDED
70%:30%	BEEF-WHEAT	MOLASSES AND STRAW
"	MAIZE-PARAGRASS	AERIAL PART
"	MAIZE-RICE	AERIAL PART AND STRAW
"	MAIZE-WISTARIATREE	AERIAL PART AND LEAVES
"	RICE	BRAN WITH HULLS

GLOSSARY 6.6 (Cont.)

Grade Descriptors	Used with	
	Facet 1 Original Material (Common Name)	Facet 2 Part
70%:30%	THREEAWN-ALYCECLOVER	AERIAL PART
75%:25%	BARLEY-ALFALFA	" "
"	FESCUE-CLOVER	" "
80%:20%	BEET	PULP WITH MOLASSES
"	RICE	BRAN WITH HULLS
"	WATERHYACINTH-RICE	WHOLE AND STRAW MOLASSES ADDED
90%:10%	ALFALFA-RHODESGRASS	AERIAL PART
"	BARLEY	STRAW MOLASSES ADDED
"	RICE	BRAN WITH HULLS
"	WHEAT	STRAW
"	WHEAT-CEPHALARIS	GRAIN AND SEEDS
92%:8%	WHEAT	STRAW
94%:6%	"	"