

# Animal Feed Labeling Guide

Association of American Feed Control Officials (AAFCO)



# AAFCO

Association of American Feed Control Officials

Vitamin A, minimum .....100,000 IU/lb

### Ingredient Statement

Ground Limestone, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Calcium Lignin Sulfonate, Animal Fat, Menhaden Oil, Vitamin A Supplement, D-Activated Animal Sterol (soybean oil), Choline Chloride, Biotin, Nicotinic Acid, Calcium Bicarbonate.

### Guaranteed Analysis

Calcium, minimum .....	9.1%
Calcium, maximum .....	10.9%
Phosphorus, minimum .....	3.2%
Salt, minimum .....	11.2%
Salt, maximum .....	13.4%
Sodium, minimum .....	12.0%
Sodium, maximum .....	14.0%
Magnesium, minimum .....	4.0%
Potassium, minimum .....	0.65%
Selenium, minimum .....	0.3 ppm
Vitamin A, minimum .....	100,000 IU/lb

### Ingredient Statement

Limestone, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Calcium Lignin Sulfonate, Animal Fat, Menhaden Oil, Vitamin A Supplement, D-Activated Animal Sterol (soybean oil), Choline Chloride, Biotin, Nicotinic Acid, Calcium Bicarbonate.

Medicated Feeds, Pet Food and Specialty Pet Labels have Additional Requirements. For information on pet food and specialty pet labels, purchase the AAFCO Pet Food and Specialty Pet food Labeling Guide at [www.aafco.org/publications](http://www.aafco.org/publications)



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## INTRODUCTION

The Association of American Feed Control Officials (AAFCO) is a voluntary membership organization that comprises personnel representing state and federal feed regulatory agencies. The Association is advised by industry and consumer representatives with the intent of designing feed regulations that provide fair and equitable commerce for all stakeholders. A major function of feed regulation is to safeguard the health of man and animals and a critical component of that function is to ensure that animal feed and feed ingredients are appropriately and safely used as provided by the product label.

This booklet will provide you with the necessary basic information and guidelines so you can design and produce commercial non-medicated feed labels that meet the AAFCO Model Bill and Regulations. Labels addressed in this guide are for the various classes of food-producing and livestock animal non-medicated feeds and specialty product types that are fed to these animals, such as mineral premixes and free-choice feeds, and the labeling of some feed ingredients.

This guide does not address the labeling of pet food or specialty pet food. There is a separate guide available for these products. For more information, please visit [www.aafco.org](http://www.aafco.org).

### Disclaimer About Varying State Requirements

Though some state feed regulatory agencies recognize the AAFCO Model Bill and Regulations, there may be additional requirements for feed labeling compliance that is specific to their own law and regulations. Prior to distributing commercial feeds in any state or territory, consult with the corresponding feed control official. For a contact list of feed control officials, please visit [www.aafco.org](http://www.aafco.org).

The information included in this guide is derived from the 2018 AAFCO OP. For complete labeling information refer to the current edition of the AAFCO OP. To obtain the AAFCO OP go to the AAFCO web site at <http://www.aafco.org> or contact Jennifer Roland, by phone: (217) 356-4221 or email: [aafco@aafco.org](mailto:aafco@aafco.org).

### What is the purpose of a feed label?

A commercial feed is nutritionally suitable for its intended use as represented by its labeling. A feed label allows the purchaser to select a product to meet their production needs. A label provides basic product information that would help the purchaser determine how to use the product safely and obtain the best benefits and results. In addition, a label of uniform format and composition provides a level field of play for both the purchaser and distributor.

### What information is on a feed label?

A commercial feed label contains information describing the feed product and details necessary for the safe and effective use of the feed. This includes product name, brand

name (if applicable), a product purpose statement, levels of nutrients provided, the ingredients used to make the feed, feeding directions (adequate directions for use), cautions and/or warnings, manufacturer/distributor information (the person or firm responsible for the feed), and net weight of the package, or contents of the container, if applicable.

The information that is present on an animal feed label is based on many factors, such as the intent of the product (single ingredient versus complete ration) or the species to which the product is intended to be fed. In addition, in some cases, dependent on the amount of feed, there may not be a traditional label as you would see printed on, or sewn to, a sack of feed, but perhaps it will be printed on the invoice or delivery slip. Regardless, all the labeling information discussed in this booklet is needed for the buyer to safely use the feed and must be present. Additionally, the AAFCO Model Bill defines the difference between a "commercial feed", "feed ingredient", and "customer-formula feed", and the necessary label information for these products varies as discussed later in this booklet.

## ACRONYMS AND ABBREVIATIONS

**AAFCO:** Association of American Feed Control Officials

**ADF:** Acid Detergent Fiber

**CFR:** Code of Federal Regulations

**CFU:** Colony Forming Units

**FDA:** Food and Drug Administration

**g:** gram(s)

**ICU:** International Chick Units

**IU/lb:** International units per pound

**kg:** kilogram(s)

**l/L:** liter(s)

**lb/lbs:** pound(s)

**mg:** milligram(s)

**ml/mL:** milliliter(s)

**NDF:** Neutral Detergent Fiber

**NPN:** Non-protein nitrogen

**OP:** Official Publication

**oz:** ounce(s)

**ppm:** parts per million

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## LABEL DESIGN AND REQUIRED ELEMENTS

### Commercial Feed Labels

(See examples of labels on page [21](#) to page [36](#))

A commercial feed can be a feed ingredient or a combination of feed ingredients which are distributed to be fed to animals. The label for each package or bulk delivery of commercial feed products shall contain all of the following information in this specified order:

- The product name and its brand name, if any
- The purpose statement for the feed (identifying specific species and animal class(es))
- The guaranteed analysis statement
- The ingredient statement
- Directions for safe and effective use (commonly known as “Feeding Directions” or “Mixing Directions”) and any required precautionary statements to enable the safe use of the product by users with no special knowledge of the purpose and use of the product.
- The manufacturer’s or distributor’s name and address
- A quantity or net weight statement, in both standard (avoirdupois) and metric units

### Single Ingredient Product Labels

(See example on page [35](#))

A single ingredient, other than those exempted by the Model Bill and Regulations, is still considered a “commercial feed”. However, with all the varieties of ingredients available with a multitude of purposes and uses, it is necessary to provide some information in order to ensure correct labeling of these products. More information can be found after Commercial Feed Label Requirements. The label for each single ingredient feed shall contain all of the following information:

- The product name and its branded name, if any
- The purpose statement “Single Feed Ingredient”, “Feed Ingredient” or “For Further Manufacturing of Feed”, as appropriate
- The guaranteed analysis statement
- The ingredient statement if the ingredient is not used as the product name
- Directions for safe and effective use and required precautionary statements, if any
- The manufacturer’s or distributor’s name and address
- A quantity or net weight statement

## Customer Formula Feed Labels

(See example on page 36)

A “customer-formula feed” is a commercial feed which consists of a mixture of feed ingredients and/or commercial feeds which is manufactured according to the specific instructions of the customer. A customer-formula feed must be accompanied by the information listed below using a label, invoice, delivery ticket, or other shipping document.

The label for each delivery of a “customer-formula feed” shall include:

- Manufacturer’s name and address
- Purchaser’s name and address
- Date of delivery or sale
- The customer-formula feed name and brand name, if any
- The complete name and net quantity of each commercial feed and each other ingredient used in the customer-formula feed
- Directions for use and precautionary statements, if required

## LABEL FORMATTING FOR COMMERCIAL FEEDS

These requirements are all expected to be listed on the product’s Principal Display Panel i.e., the outward facing side of the feed tag or the portion of the label most likely to be presented and read under the normal conditions of display for retail sale.

### 1. Product & Brand Names (Model Regulation 3(a)(1))

- The product or brand name must be appropriate for the feed’s intended use and may not be misleading in any way.
- If the product name indicates a specific purpose, the feed’s composition must correspond to that (for example, starter, finisher or complete feed).
- The name of the feed cannot be comprised of the names of one or more of the ingredients, unless all the ingredients used to make the feed are included in the feed’s name.
- An ingredient or a combination of ingredients can be used in the product name if it imparts a specific characteristic to the product and that characteristic is significant to the product’s purchaser and are quantified by guarantees in the “Guaranteed Analysis” statement.
- The word “protein” cannot be used in the product name if the feed contains any added “non-protein nitrogen”.
- If the product name contains a numerical or percentage value it will be referenced to the quantity of protein, unless it is otherwise noted.
- If the product or brand name contains the word “vitamin,” the feed must be a vitamin supplement and the vitamin must be guaranteed in the “Guaranteed Analysis” statement.



- The term “mineralized” can only be used for “trace mineralized salt”.
- The term “meat” and “meat by-products” shall be qualified to designate the animal from which the meat and meat by-products is derived unless the meat and meat by-products are made from cattle, swine, sheep, and goats.

## 2. Purpose Statement (Model Regulation 3(a)(3))

- A purpose statement provides the feed purchaser with information on the specific species and animal class(es) for which the feed is intended.
- The purpose statement may be excluded if the product or brand name identifies the species and class for which the product is intended.
- A manufacturer can be flexible with more specific and common language in order to describe the animals, but must be consistent with the following categories of animal classes.
- The purpose statement for a premix for the further manufacture of feed may exclude the animal class and species and state “For Further Manufacture of Feed” if the nutrients contained in the premix are guaranteed and sufficient for formulation into various animal species feed and premix specifications are provided by the end user of the premix.

## 3. Guaranteed Analysis (Model Regulation 3(a)(4))

### **When to State Guarantees**

A required element of feed labels is the Guaranteed Analysis section. The nutrients or substances that must be guaranteed will vary with the intended use of the feed and by the specific animal species and class.

## Specific Species and Animal Classes

### ***Swine Animal Classes***

1. Pre-Starter — 2 to 11 pounds body weight
2. Starter — 11 to 44 pounds body weight
3. Grower — 44 to 110 pounds body weight
4. Finisher — 110 pounds to market weight
5. Gilts, Sows, and Adult Boars
6. Lactating Gilts and Sows

### ***Poultry Animal Classes***

#### ***Chickens***

1. Layer — chickens that are grown to produce eggs for human food
  - Starting/Growing - chickens from day of hatch to approximately 10 weeks of age
  - Finisher — female chickens approximately 10 weeks of age to the time the first egg is produced (approximately 20 weeks)

- Laying — female chickens from the time the first egg is produced until the end of their productive life
  - Breeders — female chickens that produce offspring grown for human food egg production, from the time the first egg is produced until the end of their productive life
2. Broilers — chickens that are grown for human food
    - Starting/Growing — chickens from day of hatch to approximately 5 weeks of age
    - Finisher — chickens over 5 weeks of age to market (42-52 days)
    - Broilers Breeders — chickens whose offspring are grown for human food, both male and female
  3. Broilers, Breeders — chickens whose offspring are grown for human food
    - Starting/Growing — chickens from day of hatch to approx. 10 weeks of age
    - Finishing — female chickens that are approx. 10 weeks of age to the time the first egg is produced (approximately 20 weeks)
    - Laying — female chickens that are grown to produce offspring used for human food as broilers or roasters, from the time the first egg is produced until the end of their productive life

### **Turkeys**

1. Starting/Growing — turkeys that are grown for human food
  - Female turkeys less than 13 weeks of age
  - Male turkeys less than 16 weeks of age
2. Finisher — turkeys that are grown for human food
  - Females that are 13 weeks to 17 weeks of age
  - Males at least 16 weeks of age to 20 weeks of age, or desired market weight.
1. Laying — female turkeys that are currently producing eggs
2. Breeder — turkeys grown to produce fertile eggs up to the time the first egg is produced (approximately 30 weeks), both male and female

### **Beef Cattle Animal Classes**

1. Calves from birth to weaning
2. Cattle on pasture — weaned cattle other than feedlot cattle
  - The word “cattle” may be replaced by a more specific production stage, such as stocker, feeder, replacement heifers, brood cows, bulls, etc.)
3. Feedlot Cattle - weaned cattle kept in a feedlot

### **Dairy Cattle Animal Classes**

1. Veal milk replacer — milk replacer fed for veal production
2. Herd milk replacer — milk replacer fed to herd replacement calves
3. Starter

4. Non-Lactating Dairy Cattle (i.e., replacement dairy heifers, dairy bulls, dairy calves)
5. Lactating Dairy Cows
6. Dry Dairy Cows

### ***Equine Animal Classes***

1. Growing
2. Broodmare
3. Maintenance
4. Performance (including stallions)

### ***Goat Animal Classes***

1. Starter
2. Grower
3. Finisher
4. Breeder
5. Lactating

### ***Sheep Animal Classes***

1. Starter
2. Grower
3. Finisher
4. Breeder
5. Lactating

### ***Duck Animal Classes***

1. Starter – ducks less than 3 weeks of age
2. Grower – ducks 3 to 6 weeks of age
3. Finisher – ducks 6 weeks of age to market
4. Breeder Developer – ducks 8 to 19 weeks of age
5. Breeder – ducks more than 22 weeks of age until the end of their productive life

### ***Geese Animal Classes***

1. Starter – geese less than 4 weeks of age
2. Grower – geese 4 to 8 weeks of age
3. Finisher – geese 8 weeks of age to market
4. Breeder Developer – geese 10 to 22 weeks of age
5. Breeder – geese more than 22 weeks of age until the end of their productive life

### ***Fish Animal Classes***

1. Trout
2. Catfish
3. Fish species other than trout or catfish

### ***Rabbit Animal Classes***

1. Grower – rabbits 4 to 12 weeks of age
2. Breeder – rabbits more than 12 weeks of age

### ***Other Species and Animal Classes***

- Any other species and animal class other than those described (e.g., exotic animals, wild birds) but not including pets or specialty pets

Generally, labels for commercial feeds will contain nutritional guarantees in the order listed below. For commercial feeds intended for animal species and classes that are not individually addressed in the previous chapter, the guarantees for these feeds should also be in this order if the feed contains a source of the nutrient. It may be necessary to contact the appropriate state feed control official for more information about the inclusion of certain guarantees. In addition, individual states may have their own requirements for specific guarantees. For additional information regarding guarantees, refer to Model Regulation 3(a) (4) and Model Regulation 4.

1. Crude Protein (minimum guarantee)
2. Equivalent Crude Protein from Non-Protein Nitrogen (NPN) (minimum or maximum guarantee) — for additional information Model Regulation 4(e)
3. Amino Acids (minimum guarantee)
4. Crude Fat (minimum guarantee)
5. Crude Fiber (maximum guarantee)
6. Acid Detergent Fiber (ADF) (maximum guarantee)
7. Neutral Detergent Fiber (NDF) (maximum guarantee)
8. Calcium (minimum and maximum guarantees)
9. Phosphorus (minimum guarantee)
10. Salt (minimum and maximum guarantees)
11. Sodium (minimum and maximum guarantees)
12. Other mineral guarantees (minimum or maximum guarantee)
13. Vitamins (minimum guarantee)
14. Total sugars as invert for feeds sold as a source of sugar (minimum guarantee)
15. Viable microorganisms used in silage production (minimum guarantee) – for additional information see Model Regulation 4(f)
16. Other Guarantees (minimum guarantee) — for additional information see Model Regulation 4 (c – i)

### ***How to Express Guarantees***

- Guarantees for crude protein, equivalent crude protein from NPN, lysine, methionine, other amino acids, crude fat, crude fiber, ADF, and NDF must be stated as a percentage by weight
- Guarantees for calcium, salt, and sodium when present, must be stated in percentage by weight in the following format:

- ◇ When the minimum percentage is below 2.5%, the maximum shall not exceed the minimum by more than one-half of a percentage point (for example, minimum 2.0%, maximum 2.5%).
- ◇ When the minimum is between 2.5% and 5.0%, the maximum shall not exceed the minimum by more than 1 percentage point (minimum 3.0%, maximum 4.0%).
- ◇ When the minimum is above 5%, the maximum shall not exceed the minimum by more than 20% of the minimum and by not more than 5 percentage points (minimum 28.0%, maximum 33.0%).
- When stated, guarantees for minimum and maximum salt and total sodium, minimum potassium, magnesium, sulfur, phosphorus, and maximum fluorine, shall be expressed as a percentage by weight.
- Other mineral guarantees, when present, must be stated in parts per million (ppm) when the concentration is less than 10,000 ppm (1%) or must be stated as a percentage by weight if the concentration is greater than 10,000 ppm (1.0%). Mineral guarantees must be grouped in order of unit of measurement.
- Guarantees for vitamins, when present, shall be stated in the following units:
  - ◇ Vitamin A, D, and E, International Units (IU) per pound
  - ◇ Vitamin D<sub>3</sub> for Poultry Feeds, International Chick Units (ICU) per pound
  - ◇ Vitamin B<sub>12</sub> in milligrams or micrograms per pound
  - ◇ All other vitamins, milligrams per pound

Other required or voluntary guarantees should follow a general format that consistently groups the units of measure used to express the guarantees, such as percentage, parts per million, etc.

### **Exceptions**

- When species specific feed guarantees require a copper, selenium, or zinc guarantee, it must be expressed as parts per million (ppm).
- Guarantees for crude protein, crude fat, and crude fiber are not required when the feed is not intended to supply those substances or they are present in levels too low to make a significant contribution to the intended function of the feed.

**Nutrient / Guaranteed Units When Listed on a Label**

<b>Nutrient</b>	<b>Guaranteed Units</b>
Crude protein (minimum)	Percentage by weight (%)
Equivalent crude protein from non-protein nitrogen (NPN) (minimum)	Percentage by weight (%)
Amino acids (minimum)	Percentage by weight (%)
Crude fat (minimum)	Percentage by weight (%)
Crude fiber (maximum)	Percentage by weight (%)
Acid detergent fiber (maximum)	Percentage by weight (%)
Neutral detergent fiber (maximum)	Percentage by weight (%)
Dietary starch (maximum)	Percentage by weight (%)
Sugars (maximum)	Percentage by weight (%)
Fructans (maximum)	Percentage by weight (%)
Calcium (minimum & maximum)	Percentage by weight (%)
Phosphorus (minimum)	Percentage by weight (%)
Salt (minimum & maximum)	Percentage by weight (%)
Sodium (minimum & maximum)	Percentage by weight (%)
Other required minerals (minimum)	Percentage by weight (%)
(grouped by units of measure)	(See exceptions)
Vitamins (minimum)	A, D, and E: International Units (IU) per pound D <sub>3</sub> : International Chick Units (ICU) per pound B <sub>12</sub> : milligrams or micrograms per pound
Other Vitamins (minimum)	Menadione, Riboflavin, D-pantothenic acid, Thiamine, Niacin, Vitamin B <sub>6</sub> , Folic acid, Choline, Biotin, Inositol, p-Amino benzoic acid, Ascorbic acid, and Carotene: milligrams per pound (mg/lb)
Total sugars as invert (minimum)	Percentage by weight (%)
Viable microorganisms (minimum)	Colony-Forming Units (CFU) per unit of weight consistent with use directions (CFU/lb or CFU/gram)
Enzymes (minimum)	Units of enzymatic activity per unit of weight or volume consistent with use directions

***Required Guarantees for Species-Specific Feeds and Supplements***

Specific guarantees must be present on the label for complete feeds and for supplement feeds intended for the following animal species and classes. In certain instances, a specific guarantee is not required when the commercial feed is neither formulated for nor represented in any manner as a source of that nutrient.

**Required Guarantees by Species**

Specific guarantees must be present on the label for complete feeds and for supplement feeds intended for the following animal species and classes. In certain instances, a specific guarantee is not required when the commercial feed is neither formulated for, nor represented in any manner as, a source of that nutrient. For label examples, refer to pages 20 to 35 of this guide. Please note that the below-mentioned guarantees are to be expressed in percentages unless otherwise noted.

**Swine Feed and Supplements (all classes)**

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for lysine
- c) A minimum guarantee for crude fat
- d) A maximum guarantee for crude fiber
- e) A minimum and maximum guarantee for calcium
- f) A minimum guarantee for phosphorus
- g) A minimum and maximum guarantee for salt, if added
- h) A minimum and maximum guarantee for total sodium if total sodium exceeds that furnished by the maximum salt guarantee
- i) A minimum guarantee for selenium in parts per million (ppm)

**Poultry Feed and Supplements (all classes)**

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for lysine
- c) A minimum guarantee for methionine
- d) A minimum guarantee for crude fat
- e) A maximum guarantee for crude fiber
- f) A minimum and maximum guarantee for calcium
- g) A minimum guarantee for phosphorous
- h) A minimum and maximum guarantee for salt, if added
- i) A minimum and maximum guarantee for total sodium, if total sodium exceeds that furnished by the maximum salt guarantee

**Beef Cattle Feed and Supplements (all classes)**

- a) A minimum guarantee for crude protein
- b) A maximum guarantee for equivalent crude protein from non-protein nitrogen (NPN), if added
- c) A minimum guarantee for crude fat
- d) A maximum guarantee for crude fiber
- e) A minimum and maximum guarantee for calcium
- f) A minimum guarantee for phosphorous
- g) A minimum and maximum guarantee for salt, if added

- h) A minimum and maximum guarantee for total sodium, if total sodium exceeds that which is furnished by the maximum salt guarantee
- i) A minimum guarantee for potassium
- j) A minimum guarantee for Vitamin A, other than precursors of Vitamin A, in International Units per pound, if added

### **Beef Cattle Feed – Mineral Supplements**

- a) A minimum and maximum guarantee for calcium
- b) A minimum guarantee for phosphorus
- c) A minimum and maximum guarantee for salt, if added
- d) A minimum and maximum guarantee for total sodium, if total sodium exceeds that furnished by the maximum salt guarantee
- e) A minimum guarantee for magnesium
- f) A minimum guarantee for potassium
- g) A minimum guarantee for copper in parts per million (ppm)
- h) A minimum guarantee for selenium in parts per million (ppm)
- i) A minimum guarantee for zinc in parts per million (ppm)
- j) A minimum guarantee for Vitamin A, other than precursors of Vitamin A, in International Units per pound, if added

### **Dairy Cattle Feed and Supplements**

- a) A minimum guarantee for crude protein
- b) A maximum guarantee for equivalent crude protein from non-protein nitrogen (NPN), if added
- c) A minimum guarantee for crude fat
- d) A maximum guarantee for crude fiber
- e) A maximum guarantee for acid detergent fiber (ADF)
- f) A minimum and maximum guarantee for calcium
- g) A minimum guarantee for phosphorous
- h) A minimum guarantee for selenium in parts per million (ppm)
- i) A minimum guarantee for Vitamin A, other than precursors of Vitamin A, in International Units per pound, if added

### **Dairy Cattle Feed - Mineral supplements**

- a) A minimum and maximum guarantee for calcium
- b) A minimum guarantee for phosphorus
- c) A minimum and maximum guarantee for salt
- d) A minimum and maximum guarantee for total sodium, if total sodium exceeds that which is furnished by the maximum salt guarantee
- e) A minimum guarantee for magnesium
- f) A minimum guarantee for potassium
- g) A minimum guarantee for selenium in parts per million (ppm)



- h) A minimum guarantee for Vitamin A, other than the precursors of Vitamin A, in International Units per pound, if added

### ***Veal and Herd milk replacers fed to calves***

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for crude fat
- c) A maximum guarantee for crude fiber
- d) A minimum and maximum guarantee for calcium
- e) A minimum guarantee for phosphorus
- f) A minimum guarantee for Vitamin A, other than precursors of vitamin A, in International Units per pound, if added

### ***Equine feed and Supplements (all classes)***

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for crude fat
- c) A maximum guarantee for crude fiber
- d) A maximum guarantee for acid detergent fiber (ADF)
- e) A maximum guarantee for neutral detergent fiber (NDF)
- f) A minimum and maximum guarantee for calcium
- g) A minimum guarantee for phosphorus
- h) A minimum guarantee for copper in parts per million (ppm), if added
- i) A minimum guarantee for selenium in parts per million (ppm)
- j) A minimum guarantee for zinc in parts per million (ppm)
- k) A minimum guarantee for Vitamin A, other than the precursors of Vitamin A, in International Units per pound, if added

### ***Equine feed - Mineral supplements (all classes)***

- a) A minimum and maximum guarantee for calcium
- b) A minimum guarantee for phosphorus
- c) A minimum and maximum guarantee for salt, if added
- d) A minimum and maximum guarantee for sodium
- e) A minimum level of copper in parts per million (ppm), if added
- f) A minimum guarantee for selenium in parts per million (ppm)
- g) A minimum guarantee for zinc in parts per million (ppm)
- h) A minimum guarantee for Vitamin A, other than the precursors of Vitamin A, in International Units per pound, if added

### ***Goat Feed and Supplements (all classes)***

- a) A minimum guarantee for crude protein
- b) A maximum guarantee for equivalent crude protein from non-protein nitrogen, if added
- c) A minimum guarantee for crude fat

- d) A maximum guarantee for crude fiber
- e) A maximum guarantee for acid detergent fiber (ADF)
- f) A minimum and maximum guarantee for calcium
- g) A minimum guarantee for phosphorus
- h) A minimum and maximum guarantee for salt, if added
- i) A minimum and maximum guarantee for total sodium, if total sodium exceeds that furnished by the maximum salt guarantee
- j) A minimum and maximum guarantee for copper in parts per million (ppm), if added
- k) A minimum guarantee for selenium in parts per million (ppm)
- l) A minimum guarantee for Vitamin A, other than precursors of Vitamin A, in International Units per pound, if added

### ***Sheep Feed and Supplements (all classes)***

- a) A minimum guarantee for crude protein
- b) A maximum guarantee for equivalent crude protein from non-protein nitrogen, if added
- c) A minimum guarantee for crude fat
- d) A maximum guarantee for crude fiber
- e) A minimum and maximum guarantee for calcium
- f) A minimum guarantee for phosphorus
- g) A minimum and maximum guarantee for salt, if added
- h) A minimum and maximum guarantee for total sodium, if total sodium exceeds that furnished by the maximum salt guarantee
- i) A minimum and maximum guarantee for copper, stated in parts per million (ppm), if added or if total copper exceeds 20 ppm
- j) A minimum guarantee for selenium in parts per million (ppm)
- k) A minimum guarantee for Vitamin A, other than precursors of Vitamin A, in International Units per pound, if added

### ***Duck and Geese feed and Supplements (all classes)***

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for crude fat
- c) A maximum guarantee for crude fiber
- d) A minimum and maximum guarantee for calcium
- e) A minimum guarantee for phosphorus
- f) A minimum and maximum guarantee for salt, if added
- g) A minimum and maximum guarantee for total sodium, if total sodium exceeds that furnished by the maximum salt guarantee

### ***Fish Feed and Supplements***

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for crude fat

- c) A maximum guarantee for crude fiber
- d) A minimum guarantee for phosphorus.

### ***Rabbit feed and Supplements (all animal classes)***

- a) A minimum guarantee for crude protein
- b) A minimum guarantee for crude fat
- c) A minimum and maximum guarantee for crude fiber (the maximum guarantee may not exceed the minimum guarantee by more than 5 percentage points)
- d) A minimum and maximum guarantee for calcium
- e) A minimum guarantee for phosphorus
- f) A minimum and maximum guarantee for salt, if added
- g) A minimum and maximum guarantee for total sodium, if total sodium exceeds that furnished by the maximum salt guarantee
- h) A minimum guarantee for Vitamin A, other than precursors of Vitamin A, in International Units per pound, if added

### ***Simple grain mixtures (with or without molasses)***

- a) A minimum guarantee for crude protein
- b) A maximum or minimum guarantee for equivalent crude protein from non-protein nitrogen, if added, dependent on the purpose of the feed
- c) A minimum guarantee for crude fat
- d) A maximum guarantee for crude fiber

## **Mineral Feeds**

### **(if not already identified as a species-specific feed or supplement)**

- A minimum and maximum guarantee for calcium, if present
- A minimum guarantee for phosphorus, if present
- A minimum and maximum guarantee for salt, if added
- A minimum and maximum guarantee total sodium if total sodium exceeds that which is furnished by the maximum salt guarantee
- A maximum guarantee for fluoride, if present
- Minimum guarantees for other minerals that are present in significant amounts, or which are represented or claimed to be present, grouped by unit of measure

### ***Individual Units: Tablets, Capsules, Granules or Liquids***

For products marketed as individual units, mineral and vitamin guarantees can be expressed as milligrams per unit with the unit being consistent with the label's net content statement. Note that minerals also require units be consistent with the use directions.

**Table 1. Nutrient Guarantees Required by Species under the AAFCO Model Bill and Regulations copied from the 2018 AAFCO OP**

Note: This table is for guidance only; refer to specific state feed regulations for current labeling requirements.

Nutrient	Complete and Supplement Feeds <sup>a</sup>						
	Swine	Poultry	Beef	Dairy	Equine	Goat	Sheep
Crude Protein, min %	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NPN, max %	No	No	b	b	No	b	b
Lysine, min %	Yes	Yes	No	No	No	No	No
Methionine, min %	No	Yes	No	No	No	No	No
Crude Fat, min %	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Crude Fiber, max %	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ADF, max %	No	No	No	Yes	Yes	Yes	No
NDF, max %	No	No	No	No	Yes	No	No
Calcium, min and max %	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Phosphorus, min %	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Salt, min and max %	b	b	b	No	No	b	b
Sodium, min and max %	c	c	c	No	No	c	c
Magnesium, min %	No	No	No	No	No	No	No
Potassium, min %	No	No	Yes	No	No	No	No
Copper, min ppm (d)	No	No	No	No	b	e	f
Selenium, min ppm (d)	Yes	No	No	Yes	Yes	Yes	Yes
Zinc, min ppm (d)	No	No	No	No	Yes	No	No
Vitamin A, min IU/lb	No	No	b	b	b	b	b

a: All guarantees in this table are subject to the exemptions in model regulation 3(a)(4) section XII. Typically, if the feed is not intended or represented to be a principal source of the nutrient then a guarantee is not required, but can be voluntarily provided by the guarantor.

b: Guarantee required only when nutrient source is added, except when the feed is intended, represented, or serves as a principal source of the nutrient.

c: Sodium guarantee required only when total sodium exceeds that furnished by the maximum salt guarantee.

d: Guarantee shall be stated in ppm when less than 10,000 ppm and in percentage when concentration is 10,000 ppm (1%) or greater.

e: Minimum and maximum in parts per million (ppm) (if added).

f: Copper minimum and maximum guarantees for sheep required when added or level exceeds 20 ppm.

**Table 1. (cont'd) Nutrient Guarantees Required by Species under the AAFCO Model Bill and Regulations copied from the 2018 AAFCO OP**

Note: This table is for guidance only; refer to specific state feed regulations for current labeling requirements.

Nutrient	Complete and Supplement Feeds <sup>a</sup>				Mineral Feeds <sup>a</sup>		
	Duck/Geese	Fish	Rabbit	Veal/Herd Milk Replacer	Beef	Dairy	Equine
Crude Protein, min %	Yes	Yes	Yes	Yes	No	No	No
NPN, max %	No	No	No	No	No	No	No
Lysine, min %	No	No	No	No	No	No	No
Methionine, min %	No	No	No	No	No	No	No
Crude Fat, min %	Yes	Yes	Yes	Yes	No	No	No
Crude Fiber, max %	Yes	Yes	g	Yes	No	No	No
ADF, max %	No	No	No	No	No	No	No
Calcium, min and max %	Yes	No	Yes	Yes	b	b	Yes
Phosphorus, min %	Yes	Yes	Yes	Yes	b	b	Yes
Salt, min and max %	b	No	b	No	b	b	b
Sodium, min and max %	c	No	c	No	c	c	Yes
Magnesium, min %	No	No	No	No	b	b	No
Potassium, min %	No	No	No	No	b	b	No
Copper, min ppm (d)	No	No	No	No	b	No	b
Selenium, min ppm (d)	No	No	No	No	b	b	Yes
Zinc, min ppm (d)	No	No	No	No	b	No	Yes
Vitamin A, min IU/lb	No	No	b	b	b	b	b

a: All guarantees in this table are subject to the exemptions in model regulation 3(a)(4) section XII. Typically, if the feed is not intended or represented to be a principal source of the nutrient then a guarantee is not required, but can be voluntarily provided by the guarantor.

b: Guarantee required only when nutrient source is added, except when the feed is intended, represented, or serves as a principal source of the nutrient.

c: Sodium guarantee required only when total sodium exceeds that furnished by the maximum salt guarantee.

d: Guarantee shall be stated in ppm when less than 10,000 ppm and in percentage when concentration is 10,000 ppm (1%) or greater.

e: Minimum and maximum in parts per million (ppm) (if added).

g: Rabbit feeds require minimum and maximum crude fiber guarantees (range not to exceed 5.0 units).

## Ingredient Statement

Every commercial feed label must have a section which lists the name of each ingredient, or its collective term, used in the manufacture of that commercial feed. (A commercial feed consisting of a single ingredient defined by AAFCO is not required to have an ingredient statement if the ingredient name is used as part of the product name.)

## **Ingredient Names**

All names must be printed in the same typeface and size. The names should be carried forward from the labels of your ingredients. Your supplier should be able to provide you with an AAFCO definition number to check the nomenclature against. If you are the ingredient manufacturer the names used must be the official common name as defined by AAFCO and listed in chapter 6 of the AAFCO OP or, when an official name does not exist, by the common or usual name, e.g., sugar, salt, apple. There are a great number of common ingredient names not in the AAFCO OP.

If a firm processes a common ingredient into its constituents, e.g., starch, fiber, oil, etc., these constituents are not the same as the original ingredient and a new ingredient definition(s) needs to be established. Refer to the AAFCO Ingredient Definitions portion of the AAFCO OP for additional information.

No reference to quality or grade of ingredients can be made in the ingredient statement, e.g., Grade A Whey or No. 2 Corn.

Ingredients used as carriers for drugs, vitamins or trace minerals, do not have to be listed unless they comprise at least 1% of the feed by weight. You may identify organic ingredients if they are certified organic, such as "organic corn", "organic barley", "organic wheat".

Under federal law, ingredients in the ingredient statement must be listed in descending order of predominance by weight in the product. See part 501.4(a) in the Code of Federal Regulations (21 CFR 501.4(a)) for more information.

## **COLLECTIVE TERMS**

The manufacturer may choose to use a collective term that encompasses one or more ingredients described in the AAFCO OP. When using a collective term, the individual ingredients listed under that specific collective term cannot be listed individually on a label. For example, if the label uses "Grain Products" in the ingredient statement you may not list "corn" or "wheat" separately. Refer to the AAFCO OP, Chapter 6, Section 22: Collective Terms for the most current list of acceptable terms.

## **Directions for Use (Feeding Directions) and Precautionary Statements**

Directions for use and precautionary statements are required for all commercial feeds and customer-formula feeds when they contain a feed additive. Feed additives include things, such as drugs, special purpose or non-protein nitrogen (NPN) ingredients.

It is essential that the use directions fit the intent declared in the label's purpose statement with simple and concise directions.

Every commercial feed label must include directions for the safe and effective use of the feed.

- Directions must be adequate to enable safe and effective use, including feeding and any further mixing directions.
- Precaution statements, including Caution and Warning statements, must be identical to the FDA defined precautions related to the drugs and animal food additives. (See product labels of the ingredients that you use for specific use directions, precautions, and other limits to use.)
- Directions for medicated feed provide the user with specific information regarding the intended dose (amount fed), weight restriction, mixing instructions (if needed), and any withdrawal time.
  - ◇ READ AND FOLLOW LABEL DIRECTIONS OF ALL MEDICATED SOURCES YOU USE TO MANUFACTURE FEED.
  - ◇ Consult with the manufacturer of that product if you need additional information or if their directions are not clear.
- Warning and caution statements must appear in a prominent place on the label.
- If use directions cannot be printed on the front of the label, you must direct the reader to its location on the feed label, such as "See back of tag for feeding directions."
- Products containing animal proteins prohibited in ruminant feed must contain the statement "Do not feed to cattle or other ruminants." on the label's principal display panel, i.e., the outward facing side of the feed tag or the portion of the label most likely to be presented and read under the normal conditions of display for retail sale.

## Manufacturer, Guarantor, or Distributor Name

- The firm or person's name that appears on the label is responsible for the feed product and complying with state and federal regulations.
- The responsible party's principal mailing address including the street address, city, state and zip code must be printed on the label.
- The street address may be omitted if it is in the current city directory or phone book.
- When the feed is not manufactured by the responsible party, the name shall be qualified with a phrase such as "Manufactured for \_\_\_\_\_" or "Distributed by \_\_\_\_\_".
- If a person manufactures, packs or distributes a feed at a place other than his principal place of business, the label may state the principal place of business in lieu of the actual place where the feed was manufactured, packed or distributed, as long as the declaration is not misleading.

## Net Weight/Net Quantity Statement

- Each package, container, or bulk lot label must contain an accurate statement as to the net quantity/net weight of the commercial feed per Section 4 of the Fair Packaging and Labeling Act.
- The statement's terms of weight or measure must be expressed in ounce-pound units and must include the appropriate metric unit, such as 50 lb (22.67 kg) or 1 gallon (3.78 L).
- Abbreviations can be used for the units in the Net weight/quantity statement. When units are abbreviated on the label, it is not necessary to use periods, ".", or to add an "s" for the plural. The following abbreviations are suggested for avoirdupois (English) units and these can be in upper or lower case, although lower case is preferred: oz for ounce, lb for pound, pt for pint, qt for quart, gal for gallon, and fl for fluid. Metric units can also be abbreviated and should be in lower case except that milliliter and liter can be abbreviated as ml or mL or as l or L, respectively. Other metric abbreviations are: mg for milligram, g for gram, and kg for kilogram.
- If the net quantity statement is in units of count, such as tablets or capsules, and this value does not give adequate information about the quantity of feed in the container, this information must be combined with a statement of weight or size of the individual units to convey the amount of feed present.

## NON-MEDICATED FEED LABEL EXAMPLES

The following section (page [21](#) to page [36](#)) provides examples of feed labels employing the required information and formatting discussed in the previous sections (page [3](#) to page [20](#)).


For pet food and specialty pet food labeling requirements, visit the AAFCO website to purchase the AAFCO Pet Food and Specialty Pet Food Labeling Guide: <https://www.aafco.org/Publications/Pet-Food-Labeling-Guide>


Medicated feed labels are not included in this guide. For information regarding the labeling of medicated feeds, please visit the following website:


<https://www.fda.gov/animalveterinary/products/animalfoodfeeds/medicatedfeed/bluebirdlabels/default.htm>




## Commercial Feed Labeling


Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Bucketful Dairy Concentrate  
Purpose Statement (and medicated claim if required)	For lactating dairy cattle
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> Crude Protein, minimum .....38.0% (This includes not more than 3.5% equivalent crude protein from non-protein nitrogen) Crude Fat, minimum .....4.0% Crude Fiber, maximum .....4.0% Acid Detergent Fiber, maximum .....5.6% Calcium, minimum .....0.8% Calcium, maximum .....1.3% Phosphorus, minimum .....0.65% Selenium, minimum .....0.3 ppm Vitamin A, minimum ..... 7000 IU/lb
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> Grain Products, Plant Protein Products, Processed Grain By-Products, Urea, Calcium Carbonate, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Zinc Oxide, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D <sub>3</sub> ), Monocalcium Phosphate, Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Ethoxyquin (a preservative), Niacin, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Vitamin E Supplement, Sodium Selenite.
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> Mix 400 lb of Bucketful into 1600 lb of shell corn, feed as sole grain ration, feed 14 lb of this mixture to a 1200 lb cow.
Precautionary Statement (if required)	Manufactured for:
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)


Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	<b>Chock-Full</b> Dairy Mineral
Purpose Statement (and medicated claim if required)	 For lactating dairy cattle
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> Calcium, minimum .....9.1% Calcium, maximum .....10.9% Phosphorus, minimum .....3.2% Salt, minimum .....11.2% Salt, maximum .....13.4% Sodium, minimum .....12.0% Sodium, maximum .....14.0% Magnesium, minimum .....4.0% Potassium, minimum .....0.65% Selenium, minimum .....0.3 ppm Vitamin A, minimum .....100,000 IU/lb
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> Ground Limestone, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Calcium Lignin Sulfonate, Animal Fat, Molasses, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D3), L-Lysine, Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Folic Acid, Ethoxyquin (a preservative), Sodium Selenite, Sodium Bicarbonate.
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> Hand feed 8 oz./head/day or mix with grain at a rate of 50 lb/ton. Feed each cow 20 lb of grain mix/day.
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)


Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	<b>Beefy T Pasture Mineral</b> 
Purpose Statement (and medicated claim if required)	A mineral supplement for cattle on pasture
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Calcium, minimum .....11.0%</p> <p>Calcium, maximum .....13.0%</p> <p>Phosphorus, minimum .....6.0%</p> <p>Salt, minimum .....20.0%</p> <p>Salt, maximum .....22.0%</p> <p>Magnesium, minimum .....1.0%</p> <p>Potassium, minimum .....2.0%</p> <p>Copper, minimum.....460 ppm</p> <p>Selenium, minimum .....0.2 ppm</p> <p>Zinc, minimum .....2300 ppm</p> <p>Vitamin A, minimum .....100,000 IU/lb</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Dicalcium Phosphate, Monocalcium Phosphate, Salt, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Magnesium Mica, Cane Molasses, Copper Sulfate, Animal Fat, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D3), Iron Oxide, Choline Chloride, Biotin, Thiamine Mononitrate, Copper Oxide, Manganese Sulfate, Vitamin E Supplement, Mineral Oil, Sodium Selenite.</p>
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> <p>Feed free-choice at an approximate rate of 4 oz /head/day to beef cattle on pasture. Provide fresh water at all times.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Best Choice Turkey Finisher  
Purpose Statement (and medicated claim if required)	For finishing turkeys.
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p><b>Guaranteed Analysis</b></p> <p>Crude Protein, minimum .....17.0%</p> <p>Lysine, minimum .....0.80%</p> <p>Methionine, minimum.....0.35%</p> <p>Crude Fat, minimum .....3.0%</p> <p>Crude Fiber, maximum .....4.0%</p> <p>Calcium, minimum .....1.0%</p> <p>Calcium, maximum .....1.5%</p> <p>Phosphorus, minimum .....0.65%</p> <p>Salt, minimum .....0.35%</p> <p>Salt, maximum .....0.85%</p>
Ingredient Statement	<p><b>Ingredient Statement</b></p> <p>Grain Products, Plant Protein Products, Processed Grain By-Products, Lignin Sulfonate, Animal Fat, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), L-Lysine, DL-Methionine, Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Menadione Sodium Bisulfite Complex (source of Vitamin K Activity), Folic Acid, Ethoxyquin (a preservative), Ground Limestone, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Sodium Selenite.</p>
Use Directions	<p><b>FEEDING DIRECTIONS</b></p> <p>Feed as the complete ration to turkeys greater than 16 weeks of age being fed for market.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)


Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	401's Special GOAT FEED
Purpose Statement (and medicated claim if required)	For breeding does.
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Crude Protein, minimum .....15.0%          (This includes not more than 1.0% equivalent          crude protein from non-protein nitrogen)</p> <p>Crude Fat, minimum .....2.0%          Crude Fiber, maximum .....20.0%          Acid Detergent Fiber, maximum .....25.6%          Calcium, minimum .....0.8%          Calcium, maximum .....1.3%          Phosphorus, minimum .....0.35%          Salt, minimum .....0.35%          Salt, maximum .....0.85%          Copper, minimum .....5.0 ppm          Copper, maximum .....10.0 ppm          Selenium, minimum .....0.3 ppm          Vitamin A, minimum.....7000 IU/lb</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Grain Products, Plant Protein Products, Processed Grain By-Products, Roughage Products, Ammonium Chloride, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Copper Sulfate, Folic Acid, Ethoxyquin (a preservative), Calcium Carbonate, Dicalcium Phosphate, Monocalcium Phosphate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Potassium Chloride, Sodium Selenite.</p>
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> <p>Feed as the sole source of grain to breeding goats at the rate of 2 to 3 pounds per head her pay.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	401's Special SHEEP FEED  
Purpose Statement (and medicated claim if required)	For breeding ewes.
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Crude Protein, minimum .....15.0% (This includes not more than 1.0% equivalent crude protein from non-protein nitrogen)</p> <p>Crude Fat, minimum .....2.0%</p> <p>Crude Fiber, maximum .....20.0%</p> <p>Calcium, minimum .....0.8%</p> <p>Calcium, maximum .....1.3%</p> <p>Phosphorus, minimum .....0.35%</p> <p>Salt, minimum .....0.35%</p> <p>Salt, maximum .....0.85%</p> <p>Copper, minimum .....5.0 ppm</p> <p>Copper, maximum .....10.0 ppm</p> <p>Selenium, minimum .....0.3 ppm</p> <p>Vitamin A, minimum.....7000 IU/lb</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Grain Products, Plant Protein Products, Processed Grain By-Products, Roughage Products, Ammonium Chloride, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Copper Sulfate, Folic Acid, Ethoxyquin (a preservative), Calcium Carbonate, Dicalcium Phosphate, Monocalcium Phosphate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Potassium Chloride, Sodium Selenite.</p>
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> <p>Feed as the sole source of grain to breeding ewes at the rate of 2 to 3 pounds per head per day.</p>
Precautionary Statement (if required)	<b>Caution: Use as Directed. For Sheep Only.</b>
Responsible Party's Name & Address	Guaranteed by: YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)


Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Duck Starter  
Purpose Statement (and medicated claim if required)	A starter feed for ducks
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Crude Protein, minimum .....22.0%</p> <p>Crude Fat, minimum .....4.0%</p> <p>Crude Fiber, maximum .....6.0%</p> <p>Calcium, minimum .....0.65%</p> <p>Calcium, maximum .....1.15%</p> <p>Phosphorus, minimum .....0.5%</p> <p>Salt, minimum .....0.35%</p> <p>Salt, maximum .....0.85%</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Grain Products, Plant Protein Products, Processed Grain By-Products, Animal Protein Products, Lignin Sulfonate, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), L-Lysine, DL-Methionine, Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Menadione Sodium Bisulfite Complex (source of Vitamin K Activity), Folic Acid, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Sodium Selenite.</p>
Use Directions	<p>FEEDING DIRECTIONS</p> <p>Feed as sole ration. Provide fresh water at all times.</p>
Precautionary Statement (if required)	<b>CAUTION: Do not feed to cattle or other ruminants.</b>
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)

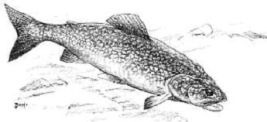
Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Tennessee Jed's Horse Feed  
Purpose Statement (and medicated claim if required)	For maintenance of horses
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> Crude Protein, minimum .....12.0% Crude Fat, minimum .....3.0% Crude Fiber, maximum .....12.0% Acid Detergent Fiber, maximum .....11.0% Neutral Detergent Fiber, maximum .....10.0% Calcium, minimum .....0.8% Calcium, maximum .....1.3% Phosphorus, minimum .....0.65% Copper, minimum .....20 ppm Selenium, minimum .....0.20 ppm Zinc, minimum .....40 ppm Vitamin A, minimum .....7000 IU/lb
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> Grain Products, Plant Protein Products, Processed Grain By-Products, Molasses Products, Calcium Lignin Sulfonate, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D <sub>3</sub> ), Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Folic Acid, Ground Limestone, Dicalcium Phosphate, Copper Sulfate, Manganous Oxide, Magnesium Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Carbonate, Salt, Potassium Chloride.
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> Feed 1/2 to 1 lb of feed per 100 lb of body weight per day for the maintenance of horses.
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)



Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Tennessee Jed's Pasture Horse Mineral  
Purpose Statement (and medicated claim if required)	For maintenance of horses
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p>Guaranteed Analysis</p> <p>Calcium, minimum .....12.0%</p> <p>Calcium, maximum .....14.0%</p> <p>Phosphorus, minimum .....12.0%</p> <p>Salt, minimum .....4.5%</p> <p>Salt, maximum .....5.5%</p> <p>Sodium, minimum .....4.5%</p> <p>Sodium, maximum .....5.5%</p> <p>Copper, minimum .....860 ppm</p> <p>Selenium, minimum .....0.2 ppm</p> <p>Zinc, minimum .....3400 ppm</p> <p>Vitamin A, minimum .....80,000 IU/lb</p>
Ingredient Statement	<p>Ingredient Statement</p> <p>Calcium Carbonate, Dicalcium Phosphate, Salt, Copper Sulfate, Manganous Oxide, Molasses Products, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Iodate, Vitamin A Supplement, Processed Grain By-Products, Choline Chloride, Animal Fat, Ethoxyquin (a preservative), Sodium Selenite.</p>
Use Directions	<p>FEEDING DIRECTIONS</p> <p>Feed free-choice at an approximate rate of 2 oz/head/day. Provide fresh water and white salt free-choice.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Tennessee Jed's Multi-Stock Feed Supplement
Purpose Statement (and medicated claim if required)	For the maintenance of horses and cattle
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Crude Protein, minimum .....12.0%</p> <p>Crude Fat, minimum .....3.0%</p> <p>Crude Fiber, maximum .....12.0%</p> <p>Acid Detergent Fiber, maximum .....11.0%</p> <p>Neutral Detergent Fiber, maximum .....10.0%</p> <p>Calcium, minimum .....0.8%</p> <p>Calcium, maximum .....1.3%</p> <p>Phosphorus, minimum .....0.65%</p> <p>Potassium, minimum .....0.65%</p> <p>Copper, minimum .....20 ppm</p> <p>Selenium, minimum .....0.20 ppm</p> <p>Zinc, minimum .....40 ppm</p> <p>Vitamin A, minimum .....7000 IU/lb</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Grain Products, Plant Protein Products, Processed Grain By-Products, Molasses Products, Calcium Lignin Sulfonate, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Vitamin E Supplement, Folic Acid, Ground Limestone, Dicalcium Phosphate, Manganous Oxide, Magnesium Oxide, Zinc Oxide, Ferrous Sulfate, Cobalt Carbonate, Calcium Carbonate, Potassium Chloride.</p>
Use Directions	<p style="text-align: center;"><b>FEEDING DIRECTIONS</b></p> <p>All Equine Classes: Feed 1/2 to 1 lb of feed per 100 lb of body weight per day for the maintenance of horses.</p> <p>All Beef Cattle Classes: Feed 1 to 3 lb of feed per 100 lb of body weight per day for the maintenance of horses.</p> <p>Be sure to provide adequate access to hay and forage. Provide fresh water at all times.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Rabbit Multiplier  
Purpose Statement (and medicated claim if required)	Feed for breeder rabbits
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Crude Protein, minimum .....18.0%</p> <p>Crude Fat, minimum .....2.0%</p> <p>Crude Fiber, minimum .....11.0%</p> <p>Crude Fiber, maximum .....16.0%</p> <p>Calcium, minimum .....0.8%</p> <p>Calcium, maximum .....1.3%</p> <p>Phosphorus, minimum .....0.85%</p> <p>Salt, minimum .....0.85%</p> <p>Salt, maximum .....1.35%</p> <p>Vitamin A, minimum .....2000 IU/lb</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Grain Products, Plant Protein Products, Forage Products, Roughage Products, Molasses Products, Dicalcium Phosphate, Monocalcium Phosphate, Salt, Manganous Oxide, Zinc oxide, Ferrous Carbonate, Vitamin A Supplement, D-Activated Animal Sterol (source of Vitamin D<sub>3</sub>), Riboflavin Supplement, Choline Chloride, Niacin, Biotin, Vitamin E Supplement, Cobalt Sulfate, Folic Acid, Ethoxyquin (a preservative), Calcium Iodate, Artificial Flavor.</p>
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> <p>Feed as the complete ration to rabbits during gestation and lactation. Provide fresh water at all times.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	YOUR NAME FEEDS City, State Zip
Quantity Statement	NET WT 50 lb (22.67 kg)

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Trout Pellet  
Purpose Statement (and medicated claim if required)	For trout
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p>Guaranteed Analysis</p> <p>Crude Protein, minimum .....42.0%</p> <p>Crude Fat, minimum .....13.0%</p> <p>Crude Fiber, maximum .....4.0%</p> <p>Phosphorus, minimum .....0.6%</p>
Ingredient Statement	<p>Ingredient Statement</p> <p>Fish Meal, Soybean Meal, Feather Meal, Wheat Flour, Fish Oil, Lecithin, Vitamin A Supplement, L-ascorbyl-2-polyphosphate, Riboflavin Supplement, Choline Chloride, Biotin, Thiamine Mononitrate, Pyridoxine Hydrochloride, Folic Acid, Ethoxyquin (a preservative), Copper Sulfate, Magnesium Sulfate, Potassium Iodate, Ferrous Sulfate, Lignin Sulfonate, Zinc Sulfate</p>
Use Directions	<p>FEEDING DIRECTIONS</p> <p>Feed as the sole ration to trout.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	<p>YOUR NAME FEEDS</p> <p>City, State Zip</p>
Quantity Statement	<p>NET WT 50 lb (22.67 kg)</p>

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Bountiful Bird Blend
Purpose Statement (and medicated claim if required)	Wild Bird Feed
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p>Guaranteed Analysis</p> <p>Crude Protein, minimum.....12.0%</p> <p>Crude Fat, minimum .....15.0%</p> <p>Crude Fiber, maximum .....20.0%</p>
Ingredient Statement	<p>Ingredient Statement</p> <p>Black Oil Sunflower, White Millet, Cracked Corn, Safflower, Peanuts, Striped Sunflower</p>
Use Directions	<p>FEEDING DIRECTIONS</p> <p>Feed outdoors to wild birds.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	<p>YOUR NAME FEEDS</p> <p>City, State Zip</p>
Quantity Statement	NET WT 50 lb (22.67 kg)

Brand Name	<b>YOUR NAME FEEDS</b>
Product Name	Chirpy Bird Blend
Purpose Statement (and medicated claim if required)	Wild Bird Food
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p style="text-align: center;">Guaranteed Analysis</p> <p>Crude Protein, minimum.....13.0%</p> <p>Crude Fat, minimum .....20.0%</p> <p>Crude Fiber, maximum .....18.0%</p> <p>Calcium, minimum .....0.7%</p> <p>Calcium, maximum .....0.9%</p> <p>Salt, minimum .....0.12%</p> <p>Salt, maximum .....0.16%</p> <p>Zinc, minimum .....21 ppm</p> <p>Vitamin A, minimum .....885 IU/lb</p> <p>Vitamin E, minimum .....45 IU/lb</p> <p>Vitamin B-12, minimum .....74 mg/lb</p>
Ingredient Statement	<p style="text-align: center;">Ingredient Statement</p> <p>Sunflower, Millet, Safflower, Peanuts, Grain Products, Processed Grain Byproducts, Calcium Carbonate, Canola Oil, Plant Protein Products, Salt, Vitamin A Acetate, Zinc Oxide, Vitamin B-12 Supplement, Vitamin E Supplement</p>
Use Directions	<p style="text-align: center;">FEEDING DIRECTIONS</p> <p>Feed outdoors to wild birds.</p>
Precautionary Statement (if required)	
Responsible Party's Name & Address	<p style="text-align: center;">YOUR NAME FEEDS City, State Zip</p>
Quantity Statement	<p style="text-align: center;">NET WT 40 lb (18.14 kg)</p>

## Single Ingredient Labeling

Brand Name	BLUE BIRD
Product Name	Solvent Extracted Soybean Meal
Purpose Statement (and medicated claim if required)	For further manufacture of feed
Drug Guarantee (if applicable)	
Guaranteed Analysis	<p>Guaranteed Analysis</p> <p>Crude Protein, minimum.....44.0%</p> <p>Crude Fat, minimum .....3.0%</p> <p>Crude Fiber, maximum .....6.0%</p>
Ingredient Statement	
Use Directions	
Precautionary Statement (if required)	
Responsible Party's Name & Address	<p>Distributed by</p> <p>Bob's Feed Mill</p> <p>345 Main St., Nowhere, TX 96456</p> <p>713-555-5555</p>
Quantity Statement	Lot #030411 Net wt on Bulk invoice

## Customer Formula Feed Labeling

Sugar Magnolia Feeds 100 W. Mill Street City, State Zip	
<b>Name of Customer:</b> Dairy Ridge Farm W 234 S 3159 Ridge Rd. City, State Zip	<b>Sold:</b> May 13, 2001
<b>Feed Products:</b>	<b>Net Weight:</b> 4000 pounds (1814 kilograms)
44% Soybean Meal ..... 1700 lbs Brewers Dried Grain ..... 800 lbs Corn Distillers Grain ..... 700 lbs Whole Cotton Seed ..... 300 lbs Ground Limestone ..... 200 lbs Sugar Cane Molasses ..... 150 lbs ABC White Salt..... 100 lbs Your Name Dairy Premix ..... 50 lbs	
Directions for Use — (if required with the use of a drug or special purpose feed additive)	





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Medicated Feeds, Pet Food and Specialty Pet Labels have Additional Requirements.  
For information on pet food and specialty pet labels, purchase the AAFCO Pet Food and  
Specialty Pet Food Labeling Guide at [www.aafco.org/publications](http://www.aafco.org/publications)