

Regulatory Bulletin 145

Commercial Feeds in Kentucky,

1957

Including Report on Official Feed
Samples Analyzed

October-December, 1957



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This report compiled and prepared by Robert Mathews and Bruce Poundstone.
Analytical data by the laboratory staff.

COMMERCIAL FEED IN KENTUCKY, 1957

The estimated tonnage of commercial feeds consumed in Kentucky during 1957 was 572,957 tons. This was 18,964 tons less than was consumed in 1956.

Estimated tonnage of feed sold in Kentucky beginning with 1940, was as follows:

1940 . . .	353,138	1949 . . .	607,255
1941 . . .	347,055	1950 . . .	584,441
1942 . . .	416,805	1951 . . .	612,946
1943 . . .	630,438	1952 . . .	648,800
1944 . . .	663,039	1953 . . .	662,267
1945 . . .	671,350	1954 . . .	566,229
1946 . . .	647,661	1955 . . .	541,536
1947 . . .	582,375	1956 . . .	591,921
1948 . . .	634,000	1957 . . .	572,957

A summary of estimated sales by class of feed is given on page 4.

In 1957, inspectors collected 3,193 samples of feed. Out of these samples 2,343 equaled guarantee or were within tolerance; 1,492 equaled guarantee in every respect; 275 were below guarantee in protein; 145 below guarantee in fat; 126 above guarantee in fiber; 206 adulterated; 180 misbranded; 69 above guarantee in urea; 27 below guarantee in calcium; 8 below guarantee in phosphorus.

The record of samples correctly labeled in 1957 was 73%. This was 5% less than the record for 1956.

The percentage of feed samples meeting the guarantee since 1948 is listed below:

1948 . . .	56%	1953 . . .	77%
1949 . . .	68%	1954 . . .	78%
1950 . . .	70%	1955 . . .	81%
1951 . . .	79%	1956 . . .	78%
1952 . . .	78%	1957 . . .	73%

ESTIMATED TONNAGE OF SALES BY CLASS OF FEED,
KENTUCKY, 1957

<u>Mixed Feed</u>	<u>Tons</u>
Calf Feed	3,723
Cattle Feed	8,635
Dairy Feed	95,008
Dog & Cat Feed	8,710
Horse & Mule Feed	12,115
Mineral Feed	5,606
✓ Pig & Hog Feed	66,909
Poultry Mash	175,748
Rabbit Feed	1,835
Scratch Feed	12,835
Sheep Feed	776
Stock Feed	4,989
Turkey Mash	14,290
Miscellaneous Mixed Feed	<u>13,916</u>
TOTAL MIXED FEED	<u>425,095</u>
<u>Straight Materials</u>	<u>Tons</u>
Alfalfa Products	812
Animal Products	11,851
Barley Products	294
Brewers Products	477
Corn Products	31,236
Cottonseed Products	10,530
Distillers Products	3,328
Linseed & Flax Products	335
Molasses	16,786
Oat Products	1,642
Soybean Products	22,065
Wheat Products	42,820
Miscellaneous Products	<u>5,686</u>
TOTAL STRAIGHT MATERIAL	<u>147,862</u>
GRAND TOTAL	<u>572,957</u>

COMMERCIAL FEEDS, 1957
AVERAGE COMPOSITION OF THE MORE COMMON FEEDSTUFFS

Feedstuff	Protein	Fat	Carbohydrates		Water	Ash
			Fiber	N.F. Extract		
Alfalfa Leaf Meal	21.0	2.8	16.0	40.5	7.7	12.0
Alfalfa Meal	14.0	2.0	30.0	36.0	9.0	9.0
Barley	12.0	2.0	5.4	67.3	10.6	2.7
Barley Feed	13.5	3.5	8.7	60.9	9.3	4.9
Beet Pulp, Dried	9.2	0.5	19.8	57.2	9.9	3.4
Blood, Dried	84.5	1.1	1.0	0.7	8.2	4.5
Bone Meal, Raw	26.0	5.0	1.0	2.5	6.4	59.1
Bone Meal, Steamed	7.5	1.2	1.5	3.2	5.7	81.3
Brewers Dried Grains	25.0	6.4	16.0	41.0	7.7	3.9
Buckwheat	10.8	2.5	10.5	62.3	12.0	1.9
Buttermilk, Dried	33.0	6.0	0.3	43.1	7.6	10.0
Buttermilk, Semi-Solid	13.4	3.0	0.0	15.9	65.0	2.7
Citrus Meal	5.9	3.1	11.5	62.7	9.9	6.9
Coconut Oil Meal	20.5	8.0	10.5	45.0	9.5	6.5
Corn	8.0	3.9	2.0	69.9	15.0	1.2
Corn Bran	9.7	7.3	9.2	62.0	9.4	2.4
Corn and Cob Meal	7.0	3.5	8.0	66.1	14.0	1.5
Crushed Ear Corn & Husks	7.0	3.0	10.6	69.2	11.0	1.8
Corn Chop	8.0	3.5	2.0	71.0	14.0	1.5
Corn Feed Meal	8.0	4.5	3.0	71.1	11.4	2.0
Corn Germ Meal	21.0	9.0	9.0	50.7	7.0	3.3
Corn Gluten Feed	25.5	2.7	7.6	48.8	9.1	6.3
Corn Gluten Meal	43.1	2.0	4.0	39.8	8.6	2.5
Cottonseed Meal	41.5	6.3	10.4	28.1	7.2	6.5
Cottonseed Meal Solvent	41.1	2.1	11.0	31.1	9.2	6.8
Cottonseed Feed	34.6	6.3	14.1	31.5	7.6	5.9
Distillers Dried Grains, Corn	26.1	8.8	12.8	44.2	7.1	2.5
Distillers Dried Grains, Rye	24.4	5.6	11.5	48.3	6.1	22.4
Distillers Dried Solubles	28.5	9.6	4.4	42.5	7.0	7.4
Fish Meal	60.9	6.8	0.9	5.0	7.1	17.6
Flaxseed	24.0	35.9	6.3	24.0	9.2	4.3
Flaxseed Screenings Oil Feed	25.0	7.1	11.7	40.3	8.1	7.8
Hominy Feed	11.2	6.9	5.2	64.2	9.6	2.9
Lespedeza Seed	36.6	7.6	9.6	32.8	8.3	5.1
Linseed Oil Meal	35.4	5.8	8.2	36.0	9.0	5.6
Linseed Oil Meal, Solvent	36.6	1.0	9.3	38.3	9.6	5.6
Malt Sprouts	26.8	1.3	14.2	44.3	7.4	6.0
Meat Scraps 55%	55.8	9.3	2.1	1.3	6.1	25.4
Meat & Bone Scraps, 50%	51.0	10.1	2.1	1.6	6.1	29.1
Molasses, Cane	3.0	0.0	0.0	61.7	25.7	6.1
Molasses, Beet	7.8	0.0	0.0	62.1	22.0	7.0
Oats	12.0	4.6	11.0	58.6	10.4	3.4
Oat Kernels	16.0	6.4	1.6	66.0	8.0	2.0
Oat Middlings	15.9	5.2	3.3	64.6	8.6	2.4
Peanut Kernels	30.4	47.7	2.5	11.7	5.4	2.3
Peanut Oil Meal	43.5	7.6	13.3	23.4	7.0	5.2
Peanut Oil Meal, Solvent	51.5	1.4	5.7	27.2	8.4	5.8
Peanut Skins	15.9	22.4	10.6	42.2	6.2	2.7

Average Composition of the More Common Feedstuffs, Continued

Feedstuff	Protein	Fat	Carbohydrates			Ash
			Fiber	N. F. Extract	Water	
Rice Bran	12.5	12.5	12.5	44.0	9.0	9.5
Rye	11.8	1.8	1.8	73.2	9.4	2.0
Rye Middlings	16.6	3.4	5.2	61.2	9.8	3.8
Skimmed Milk, Dried	34.0	1.0	0.0	51.0	6.0	8.0
Sorghum Grains	9.5	3.4	2.0	72.2	12.0	1.9
Soybean (Seed)	36.5	17.5	4.3	26.5	9.9	5.3
Soybean Oil Meal	44.3	5.3	5.7	29.6	9.1	6.0
Soybean Oil Meal, Solvent	46.1	1.0	5.9	31.8	9.4	5.8
Tankage, 60%	60.6	8.5	2.0	1.8	6.9	20.2
Tankage with bone 50%	51.3	11.5	2.3	2.3	6.2	26.1
Wheat	10.5	1.7	2.8	72.9	10.2	1.9
Wheat Bran	14.0	3.5	9.5	56.9	10.1	6.0
Wheat Mixed Feed	13.5	3.5	7.5	60.2	10.1	5.2
Wheat Brown Middlings or Shorts	15.0	3.5	7.1	58.7	10.3	5.4
Wheat Gray Middlings or Shorts	15.0	3.5	6.0	60.6	10.5	4.4
Wheat Flour, Red Dog	16.0	3.5	3.0	66.4	8.5	2.6
Wheat Flour, Patent	10.9	1.3	0.4	74.7	12.3	0.5
Wheat Germ Meal	27.8	9.2	3.3	44.4	8.9	4.5
Grain Screenings (from wheat)	10.5	1.7	2.8	70.8	9.6	4.6
Whey, Dried	12.2	0.8	0.2	70.4	6.5	9.9
Yeast Brewers, Dried	44.9	0.7	2.7	38.8	6.2	6.9
Yeast, Irradiated, Dried	48.7	1.1	5.5	32.2	6.4	6.4

ROUGHAGES

Alfalfa Hay	14.5	2.3	29.7	36.3	8.6	8.6
Blue Grass Hay	8.2	2.5	29.8	42.5	10.5	6.5
Clover Hay, White	14.4	2.4	22.5	40.9	12.0	7.8
Clover Hay, Red	11.8	2.6	27.3	40.1	11.8	6.4
Corn Stover, without ear	5.9	1.6	30.8	46.5	9.4	5.8
Corn Stover, with ear	7.8	2.2	27.1	47.6	8.9	6.4
Cowpea Hay	18.6	2.6	22.5	35.1	9.9	11.3
Fescue Hay	7.0	1.9	30.3	43.2	11.8	6.8
Lespedez Hay	13.5	2.5	28.0	40.1	10.5	5.4
Soybean Hay	15.5	2.8	26.5	38.7	9.2	7.3
Timothy Hay	6.2	2.5	29.8	45.0	11.6	4.9

FILLERS

Alfalfa Stem Meal	11.5	1.3	36.3	34.8	9.0	7.1
Corn Cob	2.3	0.4	32.1	54.0	9.6	1.6
Corn Husk or Shuck	3.4	0.9	28.2	49.6	15.0	2.9
Cottonseed Hulls	3.9	1.0	45.5	37.2	9.7	2.7
Flax Plant By-Products	6.4	2.1	44.4	33.1	8.1	5.9
Oat Mill By-Product	5.6	1.8	27.9	50.8	7.6	6.3
Oat Hull Feed	3.5	1.5	32.5	49.3	7.6	5.6
Oat Hulls	3.0	1.0	35.0	47.7	6.8	6.5
Screenings*						
Chaff and dust**						

*Varies in quality from fair to poor.

**Varies in quality from poor to worthless and even dangerous.

COMMERCIAL FEEDS

Miscellaneous Samples Analyzed in 1947-57

Feedstuff	Protein	Fat	Fiber
Activated Sewer Sludge	29.2	6.0	6.7
Alfalfa Silage	4.0	0.9	9.5
Barley Bran	15.2	5.2	14.9
Bluegrass Chaff	7.1	1.9	28.5
Bluegrass Screenings	6.7	2.0	26.1
Blackberry Seeds	9.6	---	---
Bread	12.5	5.3	0.7
Brewers Wet Grains	10.3	1.0	3.4
Buckwheat Feed & Hulls	9.6	2.9	22.4
Cake, Ground	4.8	9.9	1.5
Cob & Shuck Meal	3.2	0.6	31.6
Cookie Meal	7.7	8.6	0.8
Corn Blowings	8.7	1.9	15.7
Corn Fodder & Soybean Plant	10.1	3.9	17.0
Cracklings, Edible	67.1	28.1	1.1
Cracklings, Inedible	44.1	22.2	3.0
Distillers Thin Slop	1.4	---	---
Fescue Silage	2.8	1.3	8.9
Honey Suckle	2.8	0.02	6.0
Ice Cream Cones, Ground	9.2	1.5	0.7
Johnson Grass	7.8	0.8	37.6
Kale Seed	24.3	40.0	9.6
Korean Hay	13.9	---	---
Korean Screenings	21.9	3.6	20.8
Lespedeza Screenings	19.8	15.7	26.2
Lima Beans, Ground	21.5	1.5	6.1
Malt Hulls, Ground	10.3	1.8	22.5
Osage Orange Apple	2.5	4.3	1.7
Peanut Vine Meal	10.1	2.3	34.0
Popcorn, Ground	9.4	2.5	2.7
Popcorn, Popped and Crushed	8.4	12.8	2.9
Potato Flour	2.0	---	---
Potato Flakes	9.0	---	---
Rag Weed Seed	17.2	16.2	34.4
Sorghum, Ground (Stalk & Leaves)	4.1	2.9	19.6
Ground Unthreshed Heads of Grain Sorghum	6.4	2.1	10.5
Fescue & Clover Silage	2.0	1.0	8.0
Oat Silage	1.9	1.5	9.8
Straw Silage	6.5	3.0	19.5
Sudan Grass Silage	5.9	1.1	14.0
Sudan & Soybean Silage	2.4	0.6	7.9
Vetch Seed	26.4	0.7	7.6
Walnut Shells & Meats	13.2	24.2	27.1
Walnut Meat Skins & Small Amount of Shell	21.5	45.5	12.0
Wheat Toast, Ground	12.6	4.9	0.5
Wild Onions	6.7	0.2	1.0
Wheat Silage	4.4	1.4	22.7

METHOD OF CALCULATING THE ANALYSIS OF
A FEED MIXTURE

Requests are often received for a method of calculating the analysis of a given feed mixture. Examples are given of two classes of feed most commonly mixed by the feeder, in 1,000-pound batches, for his stock.

Example 1. 20-percent protein dairy feed

1	2	3	4
Ingredients	Percentage of protein, or pounds in 100	Hundreds of pounds of each ingredient	Pounds of protein from each ingredient
150 pounds wheat bran	15	1.5	22.5
200 pounds ground shelled corn	9	2	18.0
150 pounds hominy meal	11	1.5	16.5
150 pounds cottonseed meal	41	1.5	61.5
150 pounds soybean oil meal	41	1.5	61.5
100 pounds ground oats	11	1	11.0
100 pounds alfalfa meal	14	1	14.0
1000 pounds		10	205.0

Then 205.0 divided by 10 = 20.5, the percentage of protein in this feed.

Example 2. 20-percent protein laying mash

1	2	3	4
Ingredients	Percentage of protein, or pounds in 100	Hundreds of pounds of each ingredient	Pounds of protein from each ingredient
150 pounds wheat bran	15	1.5	22.5
200 pounds wheat middlings	16	2	32.0
200 pounds ground yellow corn	9	2	18.0
100 pounds ground oats	11	1	11.0
150 pounds meat scraps	50	1.5	75.0
100 pounds alfalfa meal	14	1	14.0
100 pounds soybean oil meal	41	1	41.0
1000 pounds		10	213.5

Then 213.5 divided by 10 = 21.35, the percentage of protein in this feed.

Explanation of Method used in Table 1.

1. List the number of pounds and ingredients in column 1.
2. Get from the guaranty on the official tag or from the average analysis the protein content of each ingredient and put it in column 2.
3. Place the hundreds of pounds of each ingredient in column 3. For example, 150 pounds of an ingredient is listed as 1.5 hundred pounds.
4. Multiply the figure for each ingredient in column 2 by that in column 3 to get the figure in column 4. This is multiplying the number of pounds of protein in a hundred, by the number of hundred pounds of each ingredient, to get the total pounds of protein furnished by each ingredient.
5. Add column 3, which gives the total weight of the mixture, in hundred pounds.
6. Add column 4, which gives the total weight of protein in the mixture.
7. Divide the sum of column 4 by the sum of column 3. This gives the percentage of protein in the mixture.

The percentages of other substances such as fat or fiber can be calculated in a similar way.

WEIGHTS PER BUSHEL

Feeders and Feed Manufacturers often need to know the legal weight requirements for grain and seeds when sold for feeding and other purposes. The following is quoted from the Kentucky Revised Statutes in this connection.

363.040 (4821) Bushel, what weight constitutes. The following weights constitute a bushel of the article named:

- (1) Barley, forty-seven pounds.
- (2) Bluegrass seed, fourteen pounds.
- (3) Bottom onion sets, thirty-six pounds.
- (4) Bran, twenty pounds.
- (5) Buckwheat, fifty-six pounds.
- (6) Castor beans, forty-five pounds.
- (7) Clover Seed, sixty pounds.
- (8) Coal, seventy-six pounds.
- (9) Corn in the ear, seventy pounds.
from November 1 to December 31
inclusive, and sixty-eight pounds
at all other times of the year.
- (10) Corn meal, fifty pounds.
- (11) Corn, shelled, fifty-six pounds.
- (12) Dried apples, twenty-four pounds.
- (13) Dried peaches, thirty-nine pounds.
- (14) Ear corn in the shuck, seventy-five
pounds.
- (15) English bluegrass seed, fourteen
pounds.
- (16) Fine salt, fifty-five pounds.
- (17) Flax seed, fifty-six pounds.
- (18) Ground peas, twenty-four pounds.
- (19) Hemp seed, forty-four pounds.
- (20) Hungarian grass seed, fifty pounds.
- (21) Irish potatoes, sixty pounds.
- (22) Millet seed, fifty pounds.
- (23) Oats, shelled, thirty-two pounds.
- (24) Onions, fifty-seven pounds.
- (25) Orchard grass seed, fourteen pounds
- (26) Peas, sixty pounds.
- (27) Plastering hair, eight pounds.
- (28) Rye, fifty-six pounds.
- (29) Salt, fifty pounds.
- (30) Sweet potatoes, fifty-five pounds
- (31) Timothy seed, forty-five pounds.
- (32) Turnips, sixty pounds
- (33) Unslaked lime, thirty-five pounds.
- (34) Wheat, sixty pounds.
- (35) White beans, sixty pounds.

MICROSCOPIC EXAMINATION OF FEEDS

It is important that the guarantee placed on a bag of feed be a true picture of the contents of that bag.

When the Kentucky Feed Law was adopted in 1906, it was thought a chemical determination of the amount of protein, fat, and fiber was adequate in judging the accuracy of labeling a feed. Later it was shown that the source of protein, fat, and fiber was as important, if not more important, than the amount present. For this reason, all official samples of feeds analyzed by the Kentucky Feed Laboratories have, since 1918, been examined with the aid of the microscope to determine whether the ingredient list shown was adhered to.

Theoretically it would be possible to blend chicken feathers, leather, weed seeds, pulp wood, a little soybean oil meal or urea in the proper proportions and make a product that would meet a chemical guarantee resembling that of a feed but it would not be a good feed. Obviously no one would try to make a feed this way, but cases have been found where feeds have been cheapened by the use of undeclared additions of such products as rice hulls, oat hulls, corn cobs, mixed screenings, ground chaff and dust, weed seeds, peanut hulls, etc. In such instances the chemical guarantee will be met with regard to protein, fat and fiber even though the quality of the feed is quite different from that declared in the ingredient list.

A recent sample of 16% Dairy Feed was found to be adulterated with mixed screenings (chaff, hulls, rachis, stems, weed seeds, etc.) although within the chemical guarantee. Another sample of Brewers Dried Grains was within the guarantee chemically, but found by means of microscopic analysis to contain oat hull feed.

Another feed - an 18% Laying Mash - though slightly low in protein but well within the fiber guarantee. By microscopic analysis, it was found to be adulterated with oat hulls.

Kentucky was one of the pioneers in this method of analysis. Nearly all states now use some form of microscopic analysis along with the chemical analysis. It has proven to be as valuable to the farmer and honest manufacturers as any other form of analysis. The farmer is assured the feed he is buying is as represented. To the manufacturer, it offers protection against unfair and unscrupulous competition.

UREA

The following information may be of some help to manufacturers and feeders using urea.

Urea is a white crystalline powder made by combining ammonia and carbon dioxide under pressure in equipment that will withstand high temperature.

Urea contains 46.5% nitrogen, which is equivalent to 291% protein.* The commercial product "262" Feed Compound, is urea which has been diluted with other materials to prevent caking, and contains 42% nitrogen which is equivalent to 262% protein. The addition of 1 percent of this material to a dairy feed is equivalent to adding 2.62% protein. Besides urea's protein equivalent value, one must also consider its lack of energy value as compared to the common high protein feeds. An example of this, if the nitrogen in urea is used as efficiently as the nitrogen in high protein feeds, it will require approximately 14 pounds of urea, plus 100 pounds of grain to replace 100 pounds of soybean meal.

Urea, when used as an ingredient in feeds sold in Kentucky is shown in the guaranteed analysis as follows: Crude Protein _____%. This includes not more than _____% equivalent crude protein from non-protein nitrogen. Crude Fat _____%. Crude Fiber _____%. One percent of "262 Feed Compound" would be 2.62% equivalent protein from non-protein nitrogen. Urea should be shown as an ingredient under "Ingredients".

Cattle, sheep, and goats are able to convert urea to a usable form through the action of micro-organisms in the rumen. The organisms convert the nitrogen of urea to protein in their cell bodies which are in turn digested by the animal.

Horses, swine, dogs, and other single-stomach animals are unable to utilize urea.

The Association of American Feed Control Officials has a regulation to the effect that urea be used in such limited quantities as to insure the total amount present shall not exceed 3 percent of the (grain) ration or 1/3 of the total protein. If a feed contains more than 3 percent of urea, the label shall bear a statement of proper usage and the following in type of such conspicuousness as to render it likely to be read and understood by ordinary individuals under customary conditions of purchase and use.

WARNING: This feed should be used only in accordance with directions furnished on the label.

RECOMMENDATIONS FOR PREPARATION OF
LABELS FOR FEEDS WHICH CONTAIN DRUGS

The following information is intended for use as a guide in preparing labels for new products and in revising labels for present products when necessary. It is suggested that typed copy of proposed labeling be submitted to State and Federal officials for comment before the copy is submitted to the printer.

Types of Labels

Labels for medicated complete feeds generally fall into 4 different types, as follows:

Type 1 is for a feed which contains drug(s) for growth promotion and/or disease prevention, and which is to be fed continuously for an indefinite period. The product name is followed by the word "medicated" in letters at least half as tall as those of the product name. This type of label can be used for any drug-containing feed not included among the other types. Exempted from medicated labeling are feeds which contain non-therapeutic levels of antibiotics (those with less than 50 grams per ton usually qualify), since these are not classed as medicated feeds.

Type 2 is for a feed which contains drug(s) at the treatment level, to be fed as the sole ration for a limited period of time. The word "medicated" appears in the forepart of the product name, in letters of same size as remainder of product name.

Type 3 is for a feed which contains hormone(s) or hormone-like substances (e.g., diethylstilbestrol).

Type 4 is for a feed which contains drug(s) at the treatment level for a specific disease or condition. It differs from Type 2 only in that the product name indicates the purpose of the drug and the word "medicated" thus need not be a part of the product name (e.g., "Pig Wormer").

Supplements or premixes which contain drugs and which are to be diluted by mixing with other feeds before use are also covered by these four types of labels. The type of label to be used in each case will depend upon the purpose of the drug and directions for use of the finished feed after such dilution. If the resulting feed when diluted according to directions will contain non-therapeutic levels and no therapeutic claims are made, Type 1 label will be used. If the directions given are such that Type 2 as well as Type 1 can apply, then the Type 2 label must be used. Complete directions for feeding are to be included in labeling any feed which may be sold to the feeder either in the original package or in custom-mixed feeds.

Information Required on the Label

Drug-containing feeds are required to carry certain information in their labeling. The requirements are essentially the same for all four types. It is suggested that the label carry this information in the following form:

1. Net weight.
2. Brand name or trade name.
3. Product name (may include brand name and, for Types 1 and 2, the word "medicated").
4. Purpose (statement of the purpose of the medication and reference to directions for use).
5. Active drug ingredients (list of common names, not trade names, and percentage present, for each drug. Antibiotics are to be expressed in grams per pound and may also be in grams per ton).
6. Guaranteed analysis of the feed.
7. Feed ingredients (common name of each).
8. Name and address of manufacturer or registrant.
9. Detailed feeding directions (to be displayed prominently on either front or reverse side of the label). A check list follows:

- a. Purpose (if necessary to clarify or amplify the above statement)
- b. When to feed (specific period necessary for effective use).
- c. How to feed, or mix for feeding (feeding method to be followed, i.e., free choice, sole ration, intermittent feeding, etc.; mixing directions for premixes, etc., should give proper level of medication for purpose intended).
- d. Precautions (statement of precautions where misuse of the product may be injurious to animals or man).
- e. Warning statement (a withdrawal period may be required for safety. With a mixture of drugs, use the longest period).
- f. Other feeds (reference may be made to other feeds which have a part in a feeding program for the animal.)

SAMPLE LABELS

An example of each of the four types of labels is shown below. The drugs listed on these labels were selected only for illustrative purposes and it is not intended to imply that they are preferred over other drugs which may be used for the same purpose.

BLUE BIRD
TURKEY GROWER (EI)
Medicated

A preventive against outbreaks of blackhead in turkey flocks when fed according to directions on this label.

Active Drug Ingredient (s)
2-Acetylamino-5-nitrothiazole0.015%

Guaranteed Analysis

INGREDIENTS

Manufactured by
BLUE BIRD FEED MILLS
MILLVILLE, KENTUCKY
100 LBS. NET WEIGHT

Type 1 Label

BLUE BIRD
MEDICATED HOG
RATION (PDQ)

For the treatment of infectious enteritis in swine when fed as directed on this label.

Active Drug Ingredients
Streptomycin...0.075 grams per lb. (as streptomycin sulfate)
Penicillin0.025 grams procaine penicillin per pound equivalent to 0.0156 grams penicillin G (Master Standard)
Arsanillic Acid0.01%

Guaranteed Analysis

INGREDIENTS

Manufactured by
BLUE BIRD FEED MILLS
MILLVILLE, KENTUCKY
100 LBS. NET WEIGHT

Type 2 Label

Continued on next page

BLUE BIRD
**0.0011% DIETHYLSTIL-
BESTROL MIXTURE**
FOR FATTENING BEEF CATTLE

Feed at the rate of 2 lbs. per animal per day. Each pound contains 5 milligrams diethylstilbestrol.

CAUTION: Use Only as Directed

Active Drug Ingredient:
Diethylstilbestrol -----0.0011%

Incorporated in
BLUE BIRD STEER FEED

Guaranteed Analysis

INGREDIENTS

Manufactured by
BLUE BIRD FEED MILLS
MILLVILLE, KENTUCKY
100 LBS. NET WEIGHT

Type 3 Label

BLUE BIRD
HOG WORMER

3) For the Removal of Large Roundworms (*Ascaris Lumbricoides*). Follow directions on other side of tag.

Active Drug Ingredient:
Cadmium Oxide -----0.015%

Guaranteed Analysis

INGREDIENTS

Manufactured by
BLUE BIRD FEED MILLS
MILLVILLE, KENTUCKY
100 LBS. NET WEIGHT

Type 4 Label

ANALYSIS OF MEDICATED FEEDS

MANUFACTURER, BRAND AND REMARKS	DRUG	GUARANTEED	FOUND
ALLIED MILLS, INC., CHICAGO, ILLINOIS			
Wayne Starter & Grower (136)	Nicarbazin	0.01	0.0108
Wayne Rocket Broiler Finisher (196A)	Nicarbazin	0.01	0.01
	3-Nitro-4	0.005	0.0051
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY			
Red A All Mash Starter & Grower	Nicarbazin	0.0125	0.00203
Red A Super High Energy Broiler Ration Crumbles	3-Nitro-4	0.0005	0.00499
	Bifuran		0.00691
Red A Super High Energy Broiler Ration Crumbles	3-Nitro-4	0.005	0.00558
	Bifuran		0.00714
THE BEARDSTOWN MILLS COMPANY, BEARDSTOWN, ILLINOIS			
Critic Super Baby Pig Starter	Arsanilic Acid	0.01	0.012
CADIZ MILLING COMPANY, CADIZ, KENTUCKY			
Sunbeam 20% Starting Mash	Sulfaquinoxaline	0.015	0.0018
COOPERATIVE MILLS, INC., CINCINNATI, OHIO			
44% Broiler Concentrate	Nicarbazin	0.31	0.0218
	3-Nitro-4	0.0125	0.0128
Broiler Maker (SM)	Nicarbazin	0.0125	0.00958
	3-Nitro-4	0.005	0.00457
Broiler Maker (NZ)	3-Nitro-4	0.005	0.00681
Broiler Maker	Nicarbazin	0.0125	0.0052
Broiler Maker	Nicarbazin	0.0125	0.0108
Broiler Maker	3-Nitro-4	0.005	0.0052
Broiler Maker Finisher	Nicarbazin	0.0125	0.0107
	3-Nitro-4	0.005	0.00472
Broiler Maker Finisher	Nicarbazin	0.0125	0.0117
Broiler Maker Finisher	Nicarbazin	0.0125	0.0119
Broiler Maker Finisher	3-Nitro-4	0.005	0.0052
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO			
Tuxedo Pig Grower-Pellets	Arsanilic Acid	0.01	0.01
Tuxedo Pig Grower	Arsanilic Acid	0.01	0.01
Tuxedo Pig Grower	Arsanilic Acid	0.01	0.0078
Tuxedo Pig Grower	Arsanilic Acid	0.01	0.01
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY			
Feeders Friend 20% H. E. Broiler Finisher	Arsanilic Acid	0.01	0.0113
	Nicarbazin	0.01	0.01055
Feeders Friend Pig Starter	Arsanilic Acid	0.05	0.0087
Feeders Friend Pig Starter	Arsanilic Acid	0.01	0.01
Feeders Friend Pig Starter	Arsanilic Acid	0.01	0.01
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA			
Larro Surepork Complete (AGS)	Arsanilic Acid	0.01	0.0088
Larro Surepork Complete (AGS)	Arsanilic Acid	0.01	0.0084
EDWARD F. GOEKE & SONS, EVANSVILLE, INDIANA			
Gay-Key 40% Hog Supplement	Arsanilic Acid	0.01	0.0018
GREEN COUNTY MILLING COMPANY, GREENSBURG, KENTUCKY			
Greenco Hi-Calorie Broiler Formula	3-Nitro-4	0.005	0.0056
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS			
Red Comb Broiler Starter Z-3	Nicarbazin	0.01	0.01055
	3-Nitro-4	0.005	0.00467
Red Comb Broiler Starter Z-3	3-Nitro-4	0.005	0.0051
HAYDON MILL & GRAIN COMPANY, SPRINGFIELD, KENTUCKY			
Magic Broiler Starter	3-Nitro-4	0.0075	0.0078
Magic Broiler Finisher	3-Nitro-4	0.005	0.0065

For protein, fat and fiber analysis of the above samples see report of official feed samples analyzed in the pages that follow.

ANALYSIS OF MEDICATED FEEDS

MANUFACTURER, BRAND AND REMARKS	DRUG	GUARANTEED	FOUND
McMILLEN FEED MILLS, FORT WAYNE, INDIANA			
Master Mix Chick Starter 21A	Nicarbazin	0.01	0.012
Master Mix Baby Pig Creep (51B)	Arsanilic Acid	0.0013	0.01
Master Mix Pig-Ets (52A)	Arsanilic Acid	0.01	0.0084
CHARLES NUNN & SONS MILLING COMPANY, EVANSVILLE, INDIANA			
Nunn-Better Starter Mash	Nitrophenide	0.0125	0.0085
NUTRENA MILLS, INC., MINNEAPOLIS, MINNESOTA			
Nutrena Creep - 20 Master Pig Starter	Arsanilic Acid	0.01	0.0066
Nutrena Shoat - 14	Arsanilic Acid	0.01	0.008
Nutrena 10% Hog Finisher - Not Registered	Arsanilic Acid	0.01	0.01
PIERCE & WILLIAMS, HOPKINSVILLE, KENTUCKY			
Check-R-Mix Pig Starter (D) 3AB	3-Nitro-4	0.0031	0.0
PILLSBURY MILLS, INC., CLINTON, IOWA			
Pillsbury's Best Medicated 4X Suppletine Poultry	Furazolidone	0.011	0.011
Pillsbury's Best Pig Feast (HAB)	Arsanilic Acid	0.01	0.01
Pillsbury's Best Pig Feast (HAB)	Arsanilic Acid	0.01	0.01
PROVICO FEEDS & CONCENTRATES, CINCINNATI, OHIO			
Chlortetracycline, Oxytetracycline & Furazolidone Mix in Provico S. F. (Stress Formula)	Furazolidone	0.011	0.0083
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS			
Ful-O-Pep Super Broiler Pre-Starter	Nicarbazin	0.01	0.008
	3-Nitro-4	0.005	0.004
Ful-O-Pep Gro-Pork 45% Supplement	Arsanilic Acid	0.05	0.05
Ful-O-Pep Pig Starter (K) M	Arsanilic Acid	0.01	0.0144
Ful-O-Pep Gro-Pork (280) K	Arsanilic Acid	0.01	0.008
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI			
Purina Turkey Growena SQ	Sulfaquinoxaline	0.0175	0.0158
Purina Chick Growena NC	Nicarbazin	0.01	0.0044
Purina Broiler Chow Starter 3 NC	Nicarbazin	0.01	0.0082
	3-Nitro-4	0.005	0.0047
Purina Broiler Chow Starter 3 NC	Nicarbazin	0.01	0.0082
Purina Broiler Chow Starter (B) 3 NC	Nicarbazin	0.01	0.01
	3-Nitro-4	0.005	0.0063
Purina Broiler Chow Finisher 3 NC	Nicarbazin	0.01	0.01025
	3-Nitro-4	0.005	0.00443
Purina Pig Startena Special	Arsanilic Acid	0.01	0.015
Purina Pig Startena Special	Arsanilic Acid	0.01	0.01
Purina Hog Fatena	Furazolidone	0.0025	0.003
Purina Hog Fatena	Furazolidone	0.0025	0.003
STALEY MILLING COMPANY, KANSAS CITY, MISSOURI			
Medicated Chick Spicer Atoms	Nitrophenide	0.01875	0.0105
	Furazolidone	0.011	0.012
A. E. STALEY MANUFACTURING COMPANY, DECATUR, ILLINOIS			
Staley's Pig Concentrate (A)	Arsanilic Acid	0.04	0.053
SWIFT & COMPANY, CHICAGO, ILLINOIS			
Swift's Sulfaquinoxaline Mixture Mixed with	Sulfaquinoxaline	0.0125	0.0128
Swift's Chick Starter	Nicarbazin	0.0125	0.008
Swift's Poultry Grower	Nicarbazin	0.01	0.0086
Swift's Broiler Ration Ky	3-Nitro-4	0.005	0.00394
Swift's Broiler Finisher N	Nicarbazin	0.01	0.005
	3-Nitro-4	0.005	0.005

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ANALYSIS OF MEDICATED FEEDS

MANUFACTURER, BRAND AND REMARKS	DRUG	GUARANTEED	FOUND
SWIFT & COMPANY, CHICAGO, ILLINOIS (Con't)			
Swift's Broiler Ration	Nicarbazin	0.01	0.0093
	3-Nitro-4	0.005	0.0059
TILFORD & WALTERS MILLS, METROPOLIS, ILLINOIS			
Masco 14% Shoat Grower	3-Nitro-4	0.0025	0.000393
Masco 12% Hog Finishing Ration	3-Nitro-4	0.0025	0.00194
Masco 16% Pig Starter	3-Nitro-4	0.0025	0.00123
WOOFFORD FEED COMPANY, VERSAILLES, KENTUCKY			
3-Nitro-4 Mixture in Big W Broiler Starter & Grower	3-Nitro-4	0.005	0.00537

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
ALLEN COUNTY FEED & SEED, SCOTTSVILLE, KENTUCKY Simmon's 16% Milk Maker	5.24	5.90
ALLIED MILLS, INC., CHICAGO, ILLINOIS Wayne 42% Dairy Mixing Supplement "S"	14.00	13.60
Sugarine 16% Dairy	4.00	4.40
Sugarine 16% Dairy	4.00	4.30
Sugarine 16% Dairy	4.00	3.50
0.0011% Diethylstilbestrol Mixture for Fattening Beef Cattle in Wayne Beef Balancer	8.75	8.20
Wayne Roughage Supplement "AA"	12.00	13.60
Wayne Roughage Supplement	12.00	13.80
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY Red A 44% Dairy Supplement	15.00	14.70
Red A 44% Dairy Supplement	15.00	14.10
Red A 44% Dairy Supplement	10.48	4.10
Red A 32% Dairy Supplement	10.48	4.80
Red A 32% Dairy Supplement	7.86	8.60
Red A 24% Dairy Feed	7.86	7.00
Red A 24% Dairy Feed	7.86	7.80
Red A 24% Dairy Feed	7.86	6.40
Red A 24% Dairy Feed	7.86	7.10
Supreme 24% Dairy Feed	6.55	4.90
Red A 20% Dairy Feed	6.55	5.21
Red A 20% Dairy Feed	6.55	4.90
Red A 20% Dairy Feed	4.62	2.40
Red A 18% Dairy Feed	4.62	3.40
Red A 18% Dairy Feed	4.62	3.30
Red A 18% Dairy Feed	4.12	2.20
Aubrey's Special 16½% Dairy Feed	4.12	2.00
Aubrey's Special 16½% Dairy Feed	4.12	2.60
Aubrey's Special 16½% Dairy Feed	4.12	2.90
Aubrey's Special 16½% Dairy Feed	4.12	4.10
Aubrey's Special 16½% Dairy Feed	4.12	3.20
Aubrey's Special 16½% Dairy Feed	10.50	10.80
Red A 33% Beef Cattle Supplement	10.50	9.30
Red A 33% Beef Cattle Supplement		
ANDREWS MILLS, RUSSELLVILLE, KENTUCKY Super 44% Dairy Concentrate	30.00	15.70
AYLOR & MEYER COMPANY, AURORA-RISING SUN, INDIANA Rainbow 16% Dairy Feed	3.60	1.60
Rainbow 16% Dairy Feed	3.60	1.60
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY Harrison's 24% Dairy Feed	7.86	7.70
Harrison's 24% Dairy Feed	7.86	5.50
Bulky 16.5% Dairy Feed	5.37	4.50
Bulky 16.5% Dairy Feed	5.37	6.10
BANNER FEED MILLS, HUNTINGTON, WEST VIRGINIA Banner 24% Dairy Feed	8.00	8.00
16% Yellow Tag Sweet Mixing Feed	5.24	6.20
BISSET & CUMMINS, HARRODSBURG, KENTUCKY Check-R-Mix 14% Dairy Feed (To be used with high protein legume pasture, hay or silage)	2.00	2.60
Check-R-Mix 14% Dairy Feed (To be used with high protein legume pasture, hay or silage)	2.00	2.00
BROCK GRAIN COMPANY, MAYSVILLE, KENTUCKY 14% Dairy Feed (To be used with high protein legume pasture, hay or silage)	4.00	3.20

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
BUHNER & COMPANY, LOUISVILLE, KENTUCKY Magnolia 16.5% Dairy Feed	3.93	3.10
CADIZ MILLING COMPANY, CADIZ, KENTUCKY Sugar Sweet 16% Dairy Feed	5.24	5.50
CARROLL COUNTY FARM BUREAU COOPERATIVE, CARROLLTON, KENTUCKY Carroll County Farm Bureau Coop Special 16% Dairy Feed	4.00	3.40
CLIFTY FALLS MILLS, MADISON, INDIANA Clifty Falls 24% Pusher Feed	7.86	6.00
Clifty Falls 24% Pusher Feed	7.86	7.70
Clifty Falls 20% Pusher Feed	6.55	6.60
Clifty Falls 20% Pusher Feed	6.55	7.10
Clifty Falls 20% Pusher Feed	6.55	6.00
Clifty Falls 16% Cow Feed	5.24	5.00
Clifty Falls 16% Cow Feed	5.24	5.80
Clifty Falls 16% Cow Feed	5.24	5.40
Clifty Falls 16% Pusher Feed	5.24	5.90
Clifty Falls 16% Pusher Feed	5.24	4.90
Clifty Falls 16% Pusher Feed	5.24	4.40
COMMUNITY MILLING COMPANY, IRVINGTON, KENTUCKY Our Pride 32% Dairy Supplement	8.75	7.70
Our Pride 20% Dairy Feed	7.86	5.70
Our Pride 16% Dairy Feed	5.82	4.50
COOPERATIVE MILLS INC., CINCINNATI, OHIO Pro-Blend "50"	18.50	16.20
Pro-Blend "50"	18.50	17.30
Pro-Blend "50"	18.50	21.20
Pro-Blend "50"	18.50	17.30
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	16.60
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	24.50
32% Dairy Supplement	11.00	6.60
32% Dairy Supplement	11.00	8.00
0.0011% Diethylstilbestrol Mixture in 30% Beef Supplement	8.00	6.70
0.0011% Diethylstilbestrol Mixture in 30% Beef Supplement	8.00	8.10
Beef Supplement	7.50	7.70
Beef Supplement	8.00	7.70
Beef Supplement	7.50	8.40
Beef Supplement	7.50	5.10
16% Utility Dairy	3.00	4.00
16% Utility Dairy	3.00	1.70
16% Utility Dairy	3.00	2.50
16% Utility Dairy	3.00	3.20
16% Pasture Dairy	2.00	2.30
16% Pasture Dairy	2.00	3.21
CRESCENT ROLLER MILLS COMPANY, TAYLORSVILLE, KENTUCKY Crescent 50% Dairy Supplement	20.96	17.60
Crescent 50% Dairy Supplement	20.96	20.00
Crescent 16.5% Dairy Feed	5.00	5.40
DEARBORN MILLS, AURORA, INDIANA Dearborn Special 32% Dairy & Cattle Supplement	10.50	10.40
Dearborn Sweet 24% Dairy	6.60	7.60
Dearborn Sweet 16% Dairy	6.00	4.10
Dearborn Sweet 16% Dairy	6.00	5.30
DIXIE MILLS, COMPANY, E. ST. LOUIS, MISSOURI Dixie 18% Dairy Feed	3.50	1.50

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
DUNCAN'S FARM SERVICE, LAWRENCEBURG, KENTUCKY 12% Dairy Feed (To be fed only with high protein legume pasture, legume hay or silage)	1.75	1.00
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO		
E & D 44% Milkmaker Concentrate	26.20	27.20
E & D 44% Milkmaker Concentrate	26.20	<u>28.80</u>
E & D 44% Milkmaker Concentrate	26.20	25.50
E & D 44% Milkmaker Concentrate	26.20	25.00
Tuxedo 33% Dairy Supplement	11.00	10.90
Tuxedo 24% Dairy	8.00	7.20
Tuxedo 24% Dairy	8.00	8.40
Tuxedo 24% Dairy	8.00	8.00
Tuxedo Special 24% Dairy	6.00	6.20
Tuxedo Special 24% Dairy	6.00	5.30
Tuxedo 20% Dairy	6.60	7.00
Tuxedo Special 20% Dairy	4.98	5.00
Tuxedo 18% Dairy	6.00	4.80
Tuxedo 16% Dairy	3.93	2.30
Tuxedo 16% Dairy	3.93	4.60
Tuxedo Special 16% Dairy	3.93	3.80
Tuxedo 0.0011% Diethylstilbestrol Mix in Tuxedo Big A Steer Supplement	10.60	11.21
ESHELMAN GRAIN INC., COLUMBUS, OHIO		
Rumen Organism Mix 32% Union Grains Life Guard Supplement	8.60	8.40
Special 24% Union Grains Life Guard 24% Dairy Feed	8.00	8.70
Special 24% Union Grains Life Guard 24% Dairy Feed	8.00	7.70
Clover Bloom 16% Dairy Feed	4.00	4.60
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE		
Famous 44% Dairy Supplement	20.96	<u>24.30</u>
Golden Gain 16% Dairy Feed	5.24	5.20
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY		
Feeders Friend Sweet 16% Dairy	2.60	2.30
FARMERS SUPPLY COMPANY, SPRINGFIELD, KENTUCKY		
Check-R-Mix 16% Dairy Feed	2.62	<u>5.10</u>
Check-R-Mix 16% Dairy Feed	2.62	<u>4.60</u>
J. H. FEDDERS, INC., COVINGTON, KENTUCKY		
Fedco 16% Dairy Feed	5.24	6.20
FERNCLIFF FEED & GRAIN COMPANY, LOUISVILLE, KENTUCKY		
P. D. Q. 16% Dairy Feed	4.40	5.00
FRANCIS WHOLESALE COMPANY, PRESTONBURG, KENTUCKY		
Francis 18% Dairy Feed	3.00	1.50
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY		
Producer 44% Dairy Concentrate	18.34	15.90
Producer 44% Dairy Concentrate	18.34	<u>24.70</u>
Producer 33% Dairy Concentrate	7.86	<u>10.20</u>
Producer 33% Dairy Concentrate	7.86	6.60
Producer Special 24% Dairy Feed	7.86	4.00
Producer Special 24% Dairy Feed	7.86	4.40
Producer Special 24% Dairy Feed	7.86	3.10
Producer Special 24% Dairy Feed	7.86	3.80
Producer 20% Dairy Feed	7.86	4.20
Producer 20% Dairy Feed	7.86	2.80
Producer 18% Dairy Feed	5.24	3.50
Producer 16% Dairy Feed	5.24	2.20
Producer Special 16% Dairy Feed	5.24	3.50

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
GARDEN STREET MILL & ELEVATOR, LOUISVILLE, KENTUCKY		
Garden 16% Dairy Feed	5.24	3.00
Garden 16% Dairy Feed	5.24	2.90
Garden 16% Dairy Feed	5.24	3.20
Garden 16% Dairy Feed	5.24	2.80
GARRARD MILLS, LANCASTER, KENTUCKY		
Garrard 24% Dairy Feed	7.86	7.70
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA		
Larro Suremilk 50%	18.00	19.00
GREEN COUNTY MILLING COMPANY, GREENSBURG, KENTUCKY		
Greenco 16% Dairy Feed	3.50	1.80
GWINN BROTHERS & COMPANY, HUNTINGTON, WEST VIRGINIA		
Milk Producer 24% Dairy	8.00	8.30
Milk Producer 24% Dairy	8.00	8.80
Sweet Acre 24% Dairy Feed	8.00	8.20
Sweet Acre 16% Dairy Feed	5.24	6.21
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS		
Pioneer 0.001% Diethylstilbestrol Mixture in Pioneer Steer D.S. 32	20.41	10.50
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY		
Arrow "Special" 16% Dairy Feed	5.24	3.50
Arrow "Special" 16% Dairy Feed	5.24	4.30
HARDIN COUNTY MILLING COMPANY, ELIZABETHTOWN, KENTUCKY		
Valley Creek 16% Dairy Feed	1.00	1.00
HARE & DAY FEED MILL, COLUMBIA, KENTUCKY		
Shively's Blue Ribbon 16% Dairy	3.50	2.90
THE P. H. HARSHA MILLING COMPANY, PORTSMOUTH, OHIO		
Harsha's Dixie Sweet 16% Dairy Feed	5.24	3.90
Harsha's Dixie Sweet 16% Dairy Feed	5.24	5.40
G. M. HAYCRAFT & SON, LEITCHFIELD, KENTUCKY		
Haycraft's 44% Dairy Supplement	20.96	17.90
Haycraft's 20% Dairy Feed	3.20	2.20
Haycraft's 16% Dairy Feed	5.24	2.00
HAYDON MILL & GRAIN COMPANY, SPRINGFIELD, KENTUCKY		
Magic 24% Sweet Dairy Feed	7.86	9.70
Magic 16% Sweet Dairy Feed	5.24	3.30
Magic 16% Sweet Dairy Feed	5.24	2.30
Magic 4-2-2-16% Dairy Feed	5.24	5.00
Magic Sheep Feed	5.53	5.60
DR. HEINZ COMPANY, WASHINGTON C. H., OHIO		
Heinz Nu-Way 34% Dairy Supplement	7.86	7.80
Heinz Nu-Way 24% Dairy Feed	6.50	4.90
HOME MILLING COMPANY, GREENSVILLE, KENTUCKY		
Happy Home 16% Sweet Dairy Feed	5.24	0.50
Happy Home 16% Sweet Dairy Feed	5.24	0.80
KECO MILLING COMPANY, MCKENZIE, TENNESSEE		
Keco 16% Dairy Feed	5.24	4.90

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
KNIFLEY FEED & SUPPLY COMPANY, ELKHORN, KENTUCKY		
Elk 24% Dairy	7.86	10.50
Elk 24% Dairy	7.86	8.00
Elk 20% Dairy	6.60	6.90
Elk 20% Dairy	6.60	7.60
Elk 16% Dairy with Urea	5.24	5.70
Elk 16% Dairy Yellow Tag	5.30	4.20
Elk 16% Dairy Yellow Tag	5.30	5.20
Elk 16% Dairy Yellow Tag	5.30	5.50
Elk 16% Dairy Yellow Tag	5.30	6.30
LEXINGTON ROLLER MILLS, INC., LEXINGTON, KENTUCKY		
Thoroughbred 24% Sweet Dairy Feed	5.24	5.50
Thoroughbred 24% Sweet Dairy Feed	5.24	5.90
Thoroughbred 24% Sweet Dairy Feed	5.24	5.40
Thoroughbred 24% Sweet Dairy Feed	6.55	5.40
Thoroughbred 24% Sweet Dairy Feed	6.55	6.20
Sweet Sue 24% Dairy Feed	3.50	3.70
Sweet Sue 16% Dairy Feed	3.50	3.70
Sweet Sue 16% Dairy Feed	3.50	3.60
Sweet Sue 16% Dairy Feed		
LINCOLN FARM SERVICE, STANFORD, KENTUCKY		
Sweet 16% Dairy Feed	3.90	3.70
MARKIN FEED COMPANY, IRONTON, OHIO		
Markin 16% Milk Maker	5.30	4.00
MARTHA WHITE MILLS OF WEST VIRGINIA, HUNTINGTON, WEST VIRGINIA		
Fortune 24% Dairy Feed	7.86	4.60
MCCAULEY BROTHERS SEED COMPANY, VERSAILLES, KENTUCKY		
McCauley's 16% Dairy	4.00	2.50
MCMILLEN FEED MILLS, FORT WAYNE, INDIANA		
Master Mix 44% Dairy Feed	20.96	19.70
Master Mix 44% Dairy Feed	20.96	20.80
Master Mix 32% Cattle Supplement	10.70	10.90
MOORMAN MANUFACTURING COMPANY, QUINCY, ILLINOIS		
Moorman's 42% Mintrate for Dairy Cows	9.00	9.00
MYERS & CLARK COMPANY, INC., ASHLAND, KENTUCKY		
Myers Special 24% Dairy Feed	7.86	5.80
NUTRENA MILLS, INC., MINNEAPOLIS, MINNESOTA		
Nutrena Sweet 6-Teen Dairy Feed (TM)	5.24	6.10
Not Registered		
OWENSBORO MILLING COMPANY, OWENSBORO, KENTUCKY		
Star 16.5% Dairy Feed	5.24	5.40
TruTest 32% Cattle Supplement	10.48	10.30
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY		
Green Valley 20% Dairy Feed	2.18	4.50
Bell Ringer 16% Dairy Feed	3.79	4.20
PATTERSON & GUTHRIE, HARRODSBURG, KENTUCKY		
12% Dairy Feed (To be used with high protein legume pasture, hay or silage)	0.50	0.80
PIERCE & WILLIAMS, HOPKINSVILLE, KENTUCKY		
Pierce & Williams Check-R-Mix 16% Dairy Feed DR	3.00	2.70
Pierce & Williams Check-R-Mix 16% Dairy Feed DR	3.00	2.50

For protein, fat and fiber analysis of the above samples see report of official feed samples analyzed in the pages that follow.

ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
PILLSBURY MILLS, INC., CLINTON, IOWA		
Pillsbury's Best Dairy Mixer 44%	20.00	18.00
Pillsbury's Best Dairy Mixer 44%	20.00	20.90
Pillsbury's Best Dairy Mixer 44%	20.00	18.90
Pillsbury's Best 32% Dairy Concentrate	10.50	10.60
Pillsbury's Best 24% Dairy Feed	8.00	7.40
Pillsbury's Best 20% Dairy Feed	6.55	4.70
Pillsbury's Best 20% Dairy Feed	6.55	5.20
Pillsbury's Best 20% Dairy Feed	6.55	5.30
Pillsbury's Best 16% Dairy Feed	5.25	3.00
Pillsbury's Best 16% Dairy Feed	5.25	3.40
Pillsbury's Best 16% Dairiettes	5.25	2.60
Pillsbury's Best 20% Cattle Cubes	5.25	0.09
QUAKER OATS COMPANY, CHICAGO, ILLINOIS		
Ful-O-Pep 40% Dairy Concentrate L	13.10	15.00
Ful-O-Pep 40% Dairy Concentrate	13.10	13.30
Ful-O-Pep Sweet 16% Dairy	5.24	5.30
Ful-O-Pep Sweet 16% Dairy	5.24	5.80
Ful-O-Pep 40% Cattle Concentrate	13.10	10.00
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI		
Purina Dairy Premix 50% - D	26.00	25.50
Purina Dairy Premix 50% - D	26.00	25.10
Purina 32% Cow Chow Concentrate	8.75	8.40
Purina 32% Cow Chow Concentrate	8.75	7.50
Purina 32% Cow Chow Concentrate	8.75	8.70
Purina 32% Cow Chow Concentrate	8.75	8.30
Purina 18% Dairy Chow F	6.00	5.60
Purina 18% Dairy Chow F	6.00	2.80
Purina Chow 18%	6.00	4.80
Purina 18% Dairy Chow	6.00	5.80
Purina 18% Dairy Chow	6.00	5.10
Purina 0.0011% Diethylstilbestrol Mix in Purina Steer Fatena 32%	8.75	7.50
Purina 0.0011% Diethylstilbestrol Mix in Purina Steer Fatena 32%	8.75	9.50
Purina 0.0022% Diethylstilbestrol Mix in Purina Steer Fatena 1-32%	8.75	6.50
Purina Steer Fatena 32%	8.75	7.00
Purina Steer Fatena 32%	8.75	7.10
Purina Steer Fatena (K) 20%	5.50	5.50
Purina Range Checkers A	5.50	5.50
Purina Range Checkers A	5.50	5.70
Purina Range Checkers A	5.50	6.70
RENFRO SUPPLY COMPANY, WILLIAMSBURG, KENTUCKY		
Renfro 16% Dairy Feed	5.24	3.00
ROBINSON MILLING COMPANY, SOMERSET, KENTUCKY		
Green Valley 24% Dairy Feed	8.00	7.90
Green Valley 24% Dairy Feed	8.00	9.70
RUSSELL GRAIN COMPANY, HILLIARDS, OHIO		
Russell's 262 Brand 16% Dairy Feed	5.24	5.10
SAM RYLE, BURLINGTON, KENTUCKY		
R & H 18% Dairy Feed	2.00	2.00
SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI		
Gristo 42% Dairy Mixing Concentrate	13.80	11.90
0.0011% Diethylstilbestrol Mix in Gristo 32% Cattle Concentrate	10.50	10.00

For protein, fat and fiber analysis of the above samples see report of official feed samples analyzed in the pages that follow.

ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
SOUTHERN STATES LAGRANGE COOPERATIVE, LAGRANGE, KENTUCKY 16% Custom Dairy	5.00	3.30
A. E. STALEY MANUFACTURING COMPANY, DECATUR, ILLINOIS Staley's 30% Beef Concentrate	9.85	<u>12.30</u>
STEWART'S FEED MILL, FLAT LICK, KENTUCKY Stewart's 16% Dairy Feed	5.24	3.00
SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY		
Sun-Ray 24% Dairy Feed	5.80	4.00
Green Valley 24% Dairy Feed	7.86	8.80
Green Valley 16% Dairy Feed	5.24	5.30
Green Valley 16% Dairy Feed	5.24	4.80
Kow Kandy 16% Dairy Feed	4.72	5.50
Sugar Creek 16% Dairy Feed	5.24	<u>7.10</u>
Sun-Ray 14% Steer Feed	6.40	<u>8.80</u>
SUPREME MILLS, GLASGOW, KENTUCKY		
Supreme 45% Dairy Concentrate	20.95	23.20
Supreme 45% Dairy Concentrate	20.95	23.10
Supreme 45% Dairy Concentrate	20.95	22.40
Supreme 45% Dairy Concentrate	20.95	20.00
Premo 24% Dairy Feed	6.55	6.80
Supreme Special 20% Dairy Feed	6.56	7.00
Supreme Special 16% Dairy Feed	5.24	4.10
Supreme Special 16% Dairy Feed	5.24	3.80
D. B. SUTHERLAND & SONS, BLOOMFIELD, KENTUCKY		
Kentucky Star Special 24% Dairy Feed	6.30	6.70
Kentucky Star Special 24% Dairy Feed	6.30	5.80
Kentucky Star Special 24% Dairy Feed	6.30	6.40
SWEET FEED MILLS, INC., BOWLING GREEN, KENTUCKY		
Fresh Good 16% Dairy Feed	5.24	2.50
Fresh Good 16% Dairy Feed	5.24	3.40
SWEET FEEDS, HOPKINSVILLE, KENTUCKY Pratts 32% Dairy Supplement	8.73	7.90
TABOR HATCHERY & BUILDING SUPPLY, COLUMBIA, KENTUCKY		
32% Dairy Concentrate	10.41	7.50
Tabor 16% Dairy Feed	3.49	0.30
Tabor 16% Dairy Feed	3.49	1.30
TAYLOR COUNTY IMPLEMENT & FEED COMPANY, CAMPBELLSVILLE, KENTUCKY Economy 16% Dairy Feed	3.50	2.60
TRI-STATE MILLS, KENOVA, WEST VIRGINIA 24% Daisy Dairy Feed	8.00	7.90
WEST 9TH STREET MILL, OWENSBORO, KENTUCKY 16% Custom Dairy	4.00	3.00
WILLIAMSTOWN ROLLER MILLS, WILLIAMSTOWN, KENTUCKY		
Standard Mix 16% Dairy	5.24	0.40
Standard Mix 16% Dairy	5.24	0.40
Standard Mix 16% Dairy	5.24	1.21
Beef Cattle Feed	2.62	1.70
WINN MILLING COMPANY, GREENSBURG, KENTUCKY		
Daisy 20% Dairy Feed	6.55	6.00
Daisy 16% Dairy Feed - White Tag	6.55	5.60
WOODFORD FEED COMPANY, VERSAILLES, KENTUCKY <u>Big W Sheep Feed</u>	0.80	<u>2.00</u>

For protein, fat and fiber analysis of the above samples see report of official feed samples analyzed in the pages that follow.

REPORT OF OFFICIAL CANNED DOG FOOD SAMPLES ANALYZED

October, November, December 1957

Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated with hulls, unground weed seeds, or refuse, have been made to stand out in the report by the use of underline, asterisks, and (where necessary) appropriate remarks.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BUSH BROTHERS & COMPANY, CLINTON, TENNESSEE Bush's Tony Dog & Cat Food	11.0	11.6	2.0	2.7	1.5	1.1
CARDINAL FOOD PRODUCTS, INC., ST. LOUIS, MISSOURI Pointer Dog Food	8.0	8.2	2.0	.6	1.5	.7
** Pointer Dog Food Above guaranty in moisture	8.0	8.5	2.0	3.6	1.5	.1**
COLUMBUS CANNING COMPANY, COLUMBUS, MISSISSIPPI ** Bonus Dog & Cat Food Above guaranty in moisture	8.0	7.8	2.0	1.6	1.0	1.2**
DOGGIE DINNER, DIV. OF S. E. MIGHTON COMPANY, BEDFORD, OHIO Doggie Dinner Dog Food	10.0	10.4	2.0	2.2	1.0	1.3
FABRO, INC., ATLANTA, GEORGIA ** Henney Pen Dog Food	12.0	<u>10.1</u>	2.0	3.3	1.5	.8**
** Henney Pen Dog Food	12.0	<u>10.3</u>	2.0	4.0	1.5	.8**
Henney Pen Dog Food	12.0	12.6	2.0	3.9	1.5	1.2
FOOD PRODUCTS COMPANY OF AMERICA, CHICAGO, ILLINOIS Dog House Dog & Cat Food	10.0	9.5	2.0	2.9	1.5	1.6
FRENCH SARDINE COMPANY, TERMINAL ISLAND, CALIFORNIA Nine Lives All Tuna Red Meat High Protein Pet Food	22.5	25.0	3.0	6.2	1.0	.3
HILL PET FOOD DIVISION, TOPEKA, KANSAS ** Hill's Puppy Food	12.0	<u>10.5</u>	9.0	9.1	1.0	.5**
HILL PACKING COMPANY, TOPEKA, KANSAS Hill's Dog Food	12.0	12.8	3.0	5.6	1.0	.6
LEE DOG FOOD COMPANY, LAGRANGE, KENTUCKY ** Cliff's Horse Meat 10% Soya Grits Added Rechecked for fat only. Above guaranty in fat.	16.0	----	3.0	10.0	.3	----**
S. E. MIGHTON COMPANY, BEDFORD, OHIO Spot Dog and Cat Food	10.0	10.0	2.0	2.5	1.5	1.2
** Valor Dog Food Rechecked for protein - Satisfactory	10.0	10.5	2.0	---	1.5	----**
Terry Dog Food	10.0	10.6	2.0	2.2	1.0	1.6
MORGAN PACKING COMPANY, AUSTIN, INDIANA King Karlo Dog Food	8.0	8.4	2.0	2.5	1.0	.7
ORLEANS DOG CANDY COMPANY, CHICAGO, ILLINOIS ** Lolli-Pups Rechecked for fat and ash Very much above guaranty in ash	25.0	----	2.5	2.3	1.5	.9**
** Lolli-Pups Rechecked for fat and ash only Above guaranty in ash	25.0	---	2.5	3.1	1.5	.6**
PERK DOG FOOD COMPANY, VETS DIVISION, CHICAGO, ILLINOIS Vets Dog Food	10.0	10.6	2.0	2.6	1.5	.9
Perk Dog Food	10.5	10.9	3.0	4.7	1.5	.6

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS Ken-L Ration Dog Food	10.0	9.8	4.0	6.1	1.0	.5
RIVAL PACKING COMPANY, CHICAGO, ILLINOIS New Improved Rival Dog Food	11.5	11.5	2.5	2.0	1.0	1.2
G. P. ROSE COMPANY, INC., NASHVILLE, TENNESSEE Rose's Triumph Dog & Cat Food	12.0	12.3	2.0	---	1.5	---
C. B. RAGLAND COMPANY, NASHVILLE, TENNESSEE Mitsie Dog Food	10.0	10.4	2.0	2.0	1.5	1.2
SOUTHERN STATES COOPERATIVE, RICHMOND, VIRGINIA ** Red Ranger Dog Food Above guaranty in moisture	12.5	<u>9.9</u>	4.5	<u>3.6</u>	.5	----**
THE THOROBRED COMPANY, INC., CINCINNATI, OHIO ** Thorobred All Beef Dog Food Very high in fat	14.0	----	5.0	<u>17.1</u>	1.0	----**
Thorobred All Beef Dog Food	14.0	13.6	11.0	12.0	1.0	.2
USEN CANNING COMPANY, BOSTON, MASSACHUSETTS ** Tabby All Fish Cat Food Above guaranty in moisture	16.0	16.2	.3	---	.3	----**
WILSON & COMPANY, CHICAGO, ILLINOIS Ideal Dog Food	10.0	10.0	2.0	3.5	1.0	.5

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
ALLIED MILLS, INC., CHICAGO, ILLINOIS														
Wayne Universal Mixer	36.0	36.0	4.0	5.6	6.5	6.3	3.5	4.2	1.2	1.7	.001	---	1.4	1.9
Wayne Poultry Mixer	36.0	35.5	4.0	4.9	6.5	6.0	3.7	4.9	1.0	1.4	.001	---	1.3	1.0
Wayne Poultry Mixer	36.0	35.6	4.0	4.5	6.5	5.6	3.7	4.1	1.0	1.3	.001	---	1.3	1.2
Wayne 42% Dairy Mixing Supplement "S"	42.0	44.1	1.0	3.0	11.0	9.3	2.0	2.8	.7	1.2	.0008	---	3.7	3.5
Wayne Sweet Mix	30.0	30.6	1.5	2.9	10.0	7.8	1.0	1.8	.5	1.2	.0008	---	2.5	1.7
Wayne Sweet Mix	30.0	33.2	1.5	1.9	10.0	5.9	1.0	2.3	.5	.8	.0008	---	2.5	2.5
** .0011% Diethylstilbestrol Mixture for Fattening Beef Cattle - inc. in Wayne Beef Balancer	32.0	33.0	1.5	2.4	8.0	8.7	1.7	2.2	.5	.7	.0004	---	3.0	2.1**
.0011% Diethylstilbestrol Mixture inc. in Wayne Beef Balancer	32.0	33.4	1.5	2.4	8.0	6.8	1.7	2.6	.5	.7	.0004	---	3.0	2.5
.0011% Diethylstilbestrol Mixture inc. in Wayne Sweet Mix	30.0	30.7	1.5	1.6	10.0	6.5	1.0	2.1	.5	.8	.0008	---	2.5	1.9
** Wayne Roughage Supplement "A" 0.6% excess non-protein nitrogen from urea	34.0	37.2	2.0	2.0	10.0	8.1	1.5	2.6	.8	1.3	.0008	---	2.5	3.2**
** Wayne Roughage Supplement "A" "A" 0.8% excess non-protein nitrogen from urea	34.0	37.6	2.0	2.1	10.0	7.3	1.5	1.3	.8	1.0	.0008	---	2.5	1.9**
** Wayne Hog Supplement (Pellets) Rechecked for salt only Satisfactory	40.0	----	1.5	---	6.0	---	2.7	---	1.2	---	.0008	---	2.5	2.5**
Wayne Hog Balancer	35.0	36.1	1.5	2.6	8.0	6.9	3.0	3.7	1.0	1.1	.0003	---	3.0	2.2
Wayne Hog Balancer	35.0	----	1.5	---	8.0	---	3.0	---	1.0	---	.0003	---	3.0	2.0
Rechecked for salt only Satisfactory														
** Wayne Hog Balancer	35.0	33.6	1.5	2.0	8.0	5.4	3.0	3.9	1.0	1.2	.0003	---	3.0	2.1**
Wayne Hog Balancer	35.0	37.1	1.5	2.3	8.0	5.9	3.0	4.0	1.0	1.3	.0003	---	3.0	1.9
Wayne Hog Balancer	35.0	37.8	1.5	2.2	8.0	5.8	3.0	4.7	1.0	1.4	.0003	---	3.0	1.9
ANDREWS MILLS, RUSSELLVILLE, KENTUCKY														
Super 44% Dairy Concentrate	44.0	45.1	1.5	3.8	9.0	6.6	2.0	1.9	1.0	.9	.0002	---	2.5	2.1
Super 40% Hog Concentrate	40.0	43.2	3.0	11.2	6.0	4.5	2.0	3.3	1.0	1.5	.0002	---	1.5	1.4
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY														
Red A 16% Cage Layer Ration Crumbles	16.0	23.8	3.0	4.9	5.5	4.7	2.1	3.5	.8	1.6	.0005	---	1.0	1.4
Red A 16% Cage Layer Ration Crumbles	16.0	17.8	3.0	4.2	5.5	5.1	2.1	2.4	.8	1.0	.0005	---	1.0	.7

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein (Con't)		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY														
Red A 44% Dairy Supplement	44.0	48.8	1.5	1.9	8.0	3.6	2.5	3.2	1.0	1.0	.00075	---	2.5	3.0
Red A 32% Protein Dairy Supplement	32.0	32.0	3.0	3.9	8.5	7.1	1.1	1.2	.5	.6	.0005	---	3.0	1.9
Red A 32% Protein Dairy Supplement	32.0	34.2	3.0	3.2	8.5	7.2	1.1	1.1	.5	.7	.0005	---	3.0	1.8
Red A 32% Protein Dairy Supplement	32.0	32.0	3.0	3.2	8.5	6.6	1.1	1.1	.5	.7	.0005	---	3.0	1.5
Red A 33% Beef Cattle Concentrate	33.0	35.8	1.5	5.2	6.0	7.0	3.0	3.8	1.3	1.0	.00083	---	3.0	2.2**
** Red A 33% Beef Cattle Concentrate	33.0	37.4	1.5	3.3	6.0	5.4	3.0	2.1	1.3	1.1	.00083	---	3.0	2.0**
Red A 40% Hog Supplement	40.0	41.6	1.5	1.8	7.0	5.3	3.0	3.7	.8	1.1	.00212	---	3.0	1.8
Red A 40% Hog Supplement	40.0	41.9	1.5	2.0	7.0	4.2	3.0	3.3	.8	1.1	.00212	---	3.0	1.8
Red A 40% Hog Supplement	40.0	40.0	1.5	1.4	7.0	5.6	3.0	3.4	.8	1.1	.00212	---	3.0	1.8
Red A 40% Hog Supplement Pellets	40.0	41.3	1.5	1.7	7.0	5.5	3.0	3.5	.8	1.0	.00212	---	3.0	1.9
Red A 40% Hog Supplement	40.0	39.7	1.5	1.9	7.0	5.7	3.0	3.3	.8	1.1	.00212	---	3.0	2.0
Red A Sow & Pig Concentrate	35.0	37.4	1.5	2.2	9.0	8.8	3.0	3.0	.8	.7	.0015	---	2.5	1.5
AUSTREW FEED SERVICE, HENDERSON, KENTUCKY														
Austrew's 38% Pig Finisher	38.0	38.5	1.5	3.6	8.0	6.9	4.5	4.9	1.2	1.2	.003	---	1.0	1.5
Tip Top 35% Hog Supplement	35.0	34.5	1.0	2.5	9.0	7.5	4.0	4.6	1.0	.8	.003	---	1.0	1.3
THE BEARDSTOWN MILLS COMPANY, BEARDSTOWN, ILLINOIS														
** Critic 28% Sow Supplement	28.0	----	3.0	---	8.5	---	4.0	---	2.2	---	.0001	---	1.0	2.2**
Rechecked for salt only														
Unsatisfactory														
BROWDER MILLING COMPANY, INC., FULTON, KENTUCKY														
** Browder's 40% Hog Supplement	40.0	----	3.0	2.3	8.5	7.2	2.4	---	1.2	---	.0004	---	2.0	3.2**
Rechecked for fat and salt only														
Unsatisfactory														
COOPERATIVE MILLS, CINCINNATI, OHIO														
40% Poultry Supplement	40.0	39.9	3.0	---	6.5	---	5.5	---	2.5	---	.0001	---	3.2	---
Rechecked for protein only														
Satisfactory														
40% Poultry Supplement	40.0	40.2	3.0	---	6.5	---	5.5	---	2.5	---	.0001	---	3.2	---
Rechecked for protein only														
Satisfactory														
40% Poultry Supplement	40.0	39.5	3.0	---	6.5	---	5.5	---	2.5	---	.0001	---	3.2	---
Rechecked for protein only														
Satisfactory														
40% Poultry Supplement	40.0	39.9	3.0	4.2	6.5	5.0	5.5	5.5	2.5	2.7	.0001	---	3.2	2.1
32% Breeder Supplement	32.0	31.8	5.0	6.8	6.0	5.3	3.7	4.1	1.5	1.9	.0001	---	2.5	2.2
32% Breeder Supplement	32.0	32.2	5.0	6.3	6.0	5.0	3.7	3.8	1.5	1.5	.0001	---	2.5	1.8

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
COOPERATIVE MILLS, INC., CINCINNATI, OHIO (Con't)														
Super Laying Mash	20.0	23.5	4.0	5.6	5.5	3.2	2.0	2.1	1.0	1.2	.0001	----	2.0	1.1
Super Laying Mash	20.0	23.2	4.0	5.2	5.5	3.4	2.0	2.2	1.0	1.2	.0001	----	2.0	1.1
Super Laying Mash	20.0	23.2	4.0	4.8	5.5	3.8	2.0	2.6	1.0	1.3	.0001	----	2.0	1.8
Super Laying Mash	20.0	23.3	4.0	4.9	5.5	3.8	2.0	2.2	1.0	1.2	.0001	----	2.0	1.2
Egg Producer	20.0	20.3	3.5	4.9	6.5	3.7	2.0	2.6	1.0	1.2	.0001	----	2.0	1.4
Egg Producer	20.0	21.6	3.5	4.6	6.5	3.4	2.0	2.5	1.0	1.2	.0001	----	2.0	1.3
Egg Producer	20.0	21.0	3.5	4.7	6.5	3.6	2.0	2.2	1.0	1.0	.0001	----	2.0	1.4
Egg Producer	20.0	20.7	3.5	4.4	6.5	3.4	2.0	2.3	1.0	1.2	.0001	----	2.0	1.4
.0022% Diethylstilbestrol Mixture (for fattening beef cattle) inc.														
in Pro-Blend "50"	50.0	50.0	3.0	5.6	6.0	4.6	1.7	1.5	1.2	1.2	.0001	----	4.0	4.7
Pro-Blend "50"	50.0	49.3	3.0	5.2	6.0	5.3	1.7	1.6	1.2	1.0	.0001	----	4.0	4.0**
Pro-Blend "50"	50.0	50.6	3.0	4.8	6.0	5.4	1.7	1.7	1.2	1.0	.0001	----	4.0	3.3
Pro-Blend "50"	50.0	52.4	3.0	4.6	6.0	5.2	1.7	1.9	1.2	1.1	.0001	----	4.0	3.9**
1.70% excess non-protein nitrogen from urea														
Pro-Blend "50"	50.0	49.6	3.0	4.4	6.0	5.1	1.7	1.5	1.2	1.1	.0001	----	4.0	3.4
.0022% Diethylstilbestrol Mixture inc. in Pro-Blend "50"	50.0	51.3	3.0	5.5	6.0	5.3	1.7	1.4	1.2	.8	.0001	----	4.0	3.0
.0022% Diethylstilbestrol Mixture inc. in Pro-Blend "50"	50.0	55.0	3.0	4.8	6.0	4.6	1.7	1.9	1.2	1.2	.0001	----	4.0	4.0**
5% excess non-protein nitrogen from urea														
.0011% Diethylstilbestrol Mixture inc. in 30% Beef Supplement	30.0	31.7	2.0	2.3	11.0	10.8	1.5	1.4	1.0	.9	.0001	----	2.5	1.6
.0011% Diethylstilbestrol Mixture inc. in 30% Beef Supplement	30.0	35.2	2.0	2.0	11.0	---	1.5	---	1.0	---	.0001	----	2.5	----
Roughage Feed Rechecked for protein only Satisfactory														
.0011% Diethylstilbestrol Mixture in 30% Beef Supplement	30.0	32.4	2.0	2.2	11.0	10.5	1.5	1.6	1.0	.8	.0001	----	2.5	2.2
Beef Supplement	30.0	32.8	2.0	2.9	11.0	10.5	1.5	1.4	1.0	.9	----	----	2.5	2.5
Beef Supplement	30.0	32.0	2.0	1.8	11.0	10.1	1.5	1.8	1.0	1.1	.0001	----	2.5	2.3
Beef Supplement	30.0	31.2	2.0	3.0	11.0	9.0	1.5	1.5	1.0	.9	.0001	----	2.5	2.8
40% Pork Maker	40.0	42.2	4.0	5.0	5.0	5.1	4.5	5.0	1.5	1.8	.0001	----	2.2	2.0
40% Pork Maker	40.0	40.6	4.0	4.2	5.0	5.3	4.5	4.9	1.5	1.8	.0001	----	2.2	2.1
40% Pork Maker (For hogs on pasture)	40.0	41.4	4.0	4.1	5.0	4.6	4.5	5.2	1.5	2.1	----	----	2.2	1.6
40% Pork Maker	40.0	42.1	4.0	5.1	5.0	4.9	4.5	4.6	1.5	1.9	.0001	----	2.2	2.3
40% Pork Maker	40.0	41.2	4.0	4.7	5.0	4.6	4.5	5.8	1.5	2.3	.0001	----	2.2	2.1

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE, (Con't)														
** Famous Brand 33% Protein Dairy Concentrates	33.0	34.7	1.0	1.8	9.0	9.9	3.0	2.3	1.0	1.1	.0004	----	2.0	2.3**
HENRY FRUECHTENICHT COMPANY, INC., LOUISVILLE, KENTUCKY														
** Producer 44% Dairy Concentrate	44.0	42.6	2.5	1.3	9.0	5.6	2.0	2.0	.6	.8	----	----	2.5	2.5**
** Producer 44% Dairy Concentrate 5.36% excess non-protein nitrogen from urea	44.0	52.5	2.5	3.2	9.0	7.3	2.0	2.2	.6	.8	----	----	2.5	3.3**
GENERAL MILLS, MINNEAPOLIS, MINNESOTA														
Larro Surelay 38% Concentrate for Mixing with grains for Poultry	38.0	40.0	1.5	3.8	8.0	6.2	3.0	3.3	1.5	1.3	----	----	2.0	1.1
Larro Surelay Complete	16.0	17.6	3.5	4.0	5.0	3.7	2.2	2.2	.6	.6	----	----	.5	.7
"H.E."	50.0	54.5	.5	1.7	8.0	6.1	2.5	2.6	1.7	1.5	.001	----	2.5	1.8
Larro Suremilk 50														
Larro Surepork Super														
40 Feed for Growing Hogs	40.0	40.2	1.0	4.3	6.0	5.2	4.5	4.5	1.5	1.5	.0003	----	3.0	3.3
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS														
Pioneer 0.0011% Diethylstilbestrol Mixture inc. in Pioneer Steer	32.0	33.8	2.0	2.8	12.0	9.3	3.0	3.0	1.0	1.0	.006	----	2.5	.7
D. S. 32	36.0	34.3	3.0	---	7.0	---	3.0	---	1.5	---	.002	----	2.0	----
** Pioneer Hog Balancer Rechecked for protein only Unsatisfactory	36.0	32.7	3.0	---	7.0	---	3.0	---	1.5	---	.002	----	2.0	----
** Pioneer Hog Balancer Rechecked for protein only Very much below guaranty in protein														
DR. HEINZ COMPANY, WASHINGTON C. H., OHIO														
Heinz Nu-Way 34% Dairy Supplement	34.0	33.8	2.0	2.3	8.0	6.1	3.0	3.2	.7	.7	.002	----	1.5	1.9
HOPKINSVILLE MILLING COMPANY, HOPKINSVILLE, KENTUCKY														
Sunflower Brand 40% Protein Hog Supplement	40.0	42.1	2.0	4.5	8.0	6.4	3.5	3.6	1.5	1.7	.003	----	1.5	1.9
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY														
** Thoroughbred Hog Supplement "40" Rechecked for fat and phosphorus Unsatisfactory	40.0	----	3.0	1.6	7.0	5.8	4.0	---	2.0	1.2	.0002	----	2.0	----

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY ** Thoroughbred Hog Supplement "40" 40.0 Rechecked for fat and phosphorus only - Unsatisfactory	----		3.0	2.1	7.0	5.4	4.0	---	2.0	1.0	.0002	----	2.0	----
LYNN GROVE FEED & SEED COMPANY, LYNN GROVE, KENTUCKY More Pep 17.5% Protein Cage Layer 17.5 20.2 ** More Pep 40% Protein Swine Supplement 40.0 38.5 ** More Pep 40% Protein Swine Supplement 40.0 39.9 Rechecked for protein only Satisfactory			3.0	3.1	5.0	4.4	2.2	3.3	.9	.9	----	----	1.0	.3
McMILLEN FEED MILLS, FORT WAYNE, INDIANA Master Mix Hi-Calorie Turkey Grower Concentrate 40.0 39.7 Master Mix Hi-Calorie Breeder Concentrate 42.0 43.0 Master Mix Egg Concentrate 44.0 44.8 Master Mix 44% Dairy Supplement 44.0 45.2 Master Blend Dairy Concentrate 33.0 33.8 Master Mix 32% Cattle Supplement 32.0 33.5 Master Mix Beef Concentrate 26.0 26.6 Master Mix Calf Mixer 42.0 41.5 Master Mix Pig Concentrate 40.0 38.1 ** Master Mix 40% Hog Pastur-ate 40.0 39.6 ** Master Mix 40% Hog Pastur-ate 40.0 43.4 ** Master Mix 40% Hog Pastur-ate 38.0 40.2 Master Mig Pig Concentrate 36.0 36.0 Master Mix Sow & Pig Concentrate 35.0 35.1 Master Mix 35% Hog Concentrate 35.0 34.5 Master Mix 35% Hog Concentrate 35.0 35.6			3.0	5.4	5.0	4.7	4.0	5.2	1.4	2.4	.0002	----	1.7	2.0
MILLIKEN SWEET FEED MILL, FRANKLIN, KENTUCKY Milliken's 36% Hog Concentrate	39.4	36.0	13.5	14.5	5.0	5.2	2.0	4.3	1.0	1.7	.0002	----	2.0	1.9

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
MOORMAN MANUFACTURING COMPANY, QUINCY, ILLINOIS														
Moor Man's Mintrate for Dairy Cows	42.0	44.7	2.0	3.1	8.5	6.5	3.0	3.8	1.2	1.5	.0015	---	---	---
Moor Man's Mintrate 45 for hogs														
Winter Formula	45.0	46.6	3.0	5.4	4.0	3.4	7.8	8.2	2.1	2.6	.005	---	2.2	1.8
Moor Man's Mintrate 45 for hogs														
Winter Formula	45.0	46.0	3.0	4.4	4.0	2.8	7.8	8.4	2.1	2.7	.005	---	2.2	1.5
NATIONAL OATS COMPANY, EAST ST. LOUIS, ILLINOIS														
Corno 35% Poultry Concentrate	35.0	34.6	1.0	3.6	8.0	7.7	4.0	4.6	1.6	1.8	.0009	---	2.0	1.9
Corno Hog Balancer	35.0	36.8	1.0	2.3	7.0	5.7	3.5	3.5	1.4	1.4	---	---	2.0	1.9
Corno Sow & Pig Supplement	26.0	23.9	2.0	4.4	9.5	7.8	2.5	2.2	1.2	1.1	.0007	---	2.1	1.4**
PILLSBURY MILLS, INC., CLINTON, IOWA														
Pillsbury's Best Layer Concentrate	33.0	32.7	2.5	4.7	8.0	6.5	6.0	7.3	1.5	1.7	.0004	---	2.0	1.2
Pillsbury's Best Cage Layeration	16.0	21.1	3.5	5.3	5.5	4.0	2.2	2.1	.9	.9	.00012	---	.7	.5
Pillsbury's Best Cage Layeration	16.0	18.2	3.5	6.4	5.5	5.4	2.2	2.1	.9	.9	.00012	---	.7	.5
Pillsbury's Best Cage Layeration	16.0	17.8	3.0	5.9	5.5	4.7	2.2	2.9	.9	.9	---	---	.7	.5
Pillsbury's Best Laying Mash	20.0	22.6	3.0	3.7	7.5	6.5	2.2	2.4	1.0	1.1	.00024	---	1.5	1.0
Pillsbury's Best Laying Mash	20.0	20.6	3.0	3.8	7.5	6.2	2.2	3.0	1.0	1.3	.00024	---	1.5	.7
Pillsbury's Best Dairy Mixer - 44	44.0	45.3	1.0	1.9	8.5	5.8	3.5	4.0	1.5	1.5	.0006	---	3.5	2.4
Pillsbury's Best Dairy Mixer - 44	44.0	48.4	1.0	1.5	8.5	4.9	3.5	3.3	1.5	1.5	.0006	---	3.5	3.3
Pillsbury's Best Dairy Mixer - 44	44.0	44.6	1.0	2.5	8.5	5.1	3.5	3.3	1.5	1.3	.0006	---	3.5	2.5
Pillsbury's Best 32% Dairy Concentrate	32.0	34.7	1.5	2.8	8.0	6.3	3.0	3.3	1.0	1.3	.0004	---	2.5	2.4
Pillsbury's Best 32% Dairy Concentrate	32.0	33.5	1.5	2.2	8.0	7.4	3.0	4.1	1.0	1.4	.0004	---	2.5	2.1
Pillsbury's Best 24% Dairy Feed	24.0	25.3	2.5	2.5	8.5	6.4	1.4	2.0	.7	1.0	.0002	---	1.7	2.5**
.001% Diethylstilbestrol Mix for Fattening Beef Cattle only - inc. in Pillsbury's Best Beef Cattle Concentrate	32.0	36.0	1.5	2.7	10.0	6.5	2.7	3.3	.9	1.0	.0003	---	2.0	1.4
Pillsbury's Best Hog Concentrate	40.0	36.0	1.5	2.5	7.5	6.3	3.0	3.1	1.0	1.0	.00048	---	2.5	1.8**
Very much below guaranty in protein														
Pillsbury's Best Hog Concentrate	40.0	38.8	1.5	2.3	7.5	5.3	3.0	2.9	1.0	1.0	.00048	---	2.5	1.4**
Pillsbury's Best Hog Concentrate	40.0	40.5	1.5	3.9	7.5	6.3	3.0	3.0	1.0	1.1	.00048	---	2.5	1.6
Pillsbury's Best Maxi-Meal Hog Concentrate	32.0	35.1	2.0	3.8	6.5	5.1	3.0	3.3	1.0	1.2	.0004	---	2.5	2.0
Pillsbury's Best Maxi-Meal Hog Concentrate	32.0	32.3	2.0	3.9	6.5	5.5	3.0	3.4	1.0	1.1	.0004	---	2.5	1.5
Pillsbury's Best Mami-Meal Hog Concentrate	32.0	33.4	2.0	3.4	6.5	5.8	3.0	3.2	1.0	1.3	.004	---	2.5	1.5
Pillsbury's Best Maxi-Meal Hog Concentrate	32.0	34.3	2.0	3.7	6.5	5.5	3.0	3.0	1.0	1.2	.0004	---	2.5	1.2

Protein and Mineral Feeds and Mineral Feeds

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
PRINCETON MILL, PRINCETON, KENTUCKY														
** Farm-Way 40% Sow & Hog Supplement	40.0	<u>37.9</u>	2.5	3.4	7.0	6.2	3.5	6.1	1.5	1.2	.0035	-----	1.0	1.0**
Very much below guaranty in protein														
PURCELL SEED COMPANY, INC., EVANSVILLE, INDIANA														
Judge 40% Hog Supplement	40.0	40.4	2.5	3.9	7.0	7.5	3.5	4.9	1.5	1.2	.0035	-----	1.0	1.3
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS														
Ful-O-Pep Laying Mash L	20.0	22.1	3.0	3.5	8.0	5.5	2.0	2.4	.8	1.0	.00005	-----	1.0	1.0
Ful-O-Pep Laying Mash L	20.0	22.8	3.0	4.0	8.0	4.8	2.0	2.1	.8	.8	.00005	-----	1.0	.8
** Ful-O-Pep 40% Dairy Concentrate L	40.0	42.5	1.0	<u>.7</u>	11.0	9.5	1.5	1.8	.6	.7	.0002	-----	3.2	2.8**
0.99% excess non-protein nitrogen from urea														
Ful-O-Pep 40% Cattle Concentrate	40.0	42.1	.7	1.8	13.0	8.6	1.5	2.0	.8	.9	.00007	-----	1.5	1.6
** Ful-O-Pep .0022% Diethylstilbestrol Mixture for Fattening Beef Cattle in Ful-O-Pep 40% Cattle Concentrate	40.0	<u>39.1</u>	.7	---	12.0	---	1.7	---	.8	---	.00005	-----	1.6	-----
Rechecked for protein only Unsatisfactory														
** Ful-O-Pep Gro-Pork 45% Supplement (Ki) L Medicated	45.0	<u>42.5</u>	1.5	1.9	5.0	<u>6.7</u>	2.7	<u>2.2</u>	1.2	1.1	.0002	-----	2.3	1.0**
Very much below guaranty in protein														
** Ful-O-Pep Gro-Pork 45% Supplement (Ki) M Medicated	45.0	<u>38.9</u>	1.5	2.9	5.0	3.8	1.7	2.9	.7	1.2	-----	-----	2.2	1.6**
Very much below guaranty in protein														
Ful-O-Pep Gro-Pork 45% Supplement (Ki) L	45.0	46.0	1.5	1.5	5.0	3.9	2.7	3.2	1.2	1.2	.0002	-----	2.3	2.4
Ful-O-Pep Hog Pasture Supplement L	40.0	39.5	2.0	2.9	6.0	5.7	3.0	3.7	.9	1.1	.0001	-----	2.2	1.8
Ful-O-Pep Hog Supplement L	36.0	35.5	1.5	1.2	10.0	6.5	3.2	4.1	1.0	1.1	.0001	-----	2.5	2.5
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI														
Purina Turkey Chowder	36.0	38.2	3.0	3.8	9.0	7.3	4.5	4.4	1.5	1.9	.00035	-----	2.5	2.0
Purina Turkey Chowder	36.0	37.3	3.0	4.7	9.0	6.3	4.5	4.2	1.5	1.6	.00035	-----	2.5	1.8
Purina Cage Chowder	36.0	37.0	3.0	5.4	8.0	6.6	4.5	4.6	2.0	2.4	-----	-----	2.0	.8
Purina Cage Chowder	36.0	36.5	3.0	4.4	8.0	5.9	4.5	5.9	2.0	2.9	.0002	-----	2.0	2.5
Purina Chicken Chowder	36.0	37.1	3.5	4.6	8.0	7.5	5.5	5.2	2.0	2.3	.0004	-----	3.0	2.2
Purina Chicken Chowder	36.0	36.5	3.5	4.7	8.0	6.4	5.5	6.1	2.0	2.5	.0004	-----	3.0	2.6
Purina Dairy Premix 50% D	50.0	51.7	1.0	1.3	10.0	4.9	4.0	4.7	1.3	1.5	.0004	-----	5.0	3.2
Purina Dairy Premix 50% D	50.0	49.6	1.0	1.1	10.0	5.5	4.0	4.8	1.3	1.3	.0004	-----	5.0	3.4
Purina Cow Chow Concentrate	32.0	32.5	1.5	1.9	10.0	6.2	2.5	2.3	1.0	1.2	.00035	-----	2.5	2.1
Purina Cow Chow Concentrate	32.0	34.0	1.5	2.4	10.0	6.1	2.5	3.2	1.0	1.3	.00035	-----	2.5	2.3

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI (Con't)														
Purina Cow Chow Concentrate	32.0	32.8	1.5	2.0	10.0	5.4	2.5	3.5	1.0	1.3	.00035	----	2.5	2.5
Purina Cow Chow Concentrate	32.0	32.1	1.5	2.4	10.0	5.2	2.5	3.6	1.0	1.4	.00035	----	2.5	2.5
Purina D & F Chow Supplement	13.0	16.0	2.0	3.0	10.0	9.7	2.5	2.0	1.2	1.0	.00035	----	2.5	1.6
Purina 40% Hog Chow 250 AB Medicated	40.0	44.2	.5	3.2	8.0	4.6	3.0	3.6	1.4	1.3	.0003	----	3.0	2.0
Purina 40% Hog Chow 3N 50 AB Medicated	40.0	42.9	.5	2.4	8.0	4.4	3.0	4.0	1.4	1.9	.0003	----	3.0	2.6
Purina 40% Hog Chow 50 AB Medicated	40.0	40.3	.5	2.6	8.0	6.0	3.0	3.2	1.4	1.5	.0003	----	3.0	2.1
Purina Hog Chow 50 AB Medicated	36.0	38.6	.5	1.4	8.0	6.2	3.0	3.9	1.4	1.7	.0003	----	3.0	2.2
Purina Hog Chow 50 AB Medicated	36.0	37.2	.5	1.1	8.0	6.4	3.0	3.9	1.4	1.5	.0003	----	3.0	1.3
Purina Hog Chow 50 AB Medicated	36.0	38.3	.5	1.6	8.0	7.0	3.0	3.8	1.4	1.6	.0003	----	3.0	1.9
Purina Hog Chow 3 N 50 AB Medicated	36.0	38.6	.5	1.1	8.0	6.2	3.0	3.7	1.4	1.5	.0003	----	3.0	2.2
Purina Sow Chow 1	32.0	34.3	2.0	2.6	9.0	6.5	2.5	2.8	1.0	1.1	.0003	----	3.0	1.9
Purina Sow Chow	32.0	35.0	2.0	3.4	9.0	6.8	2.5	2.8	1.0	1.1	.0003	----	3.0	2.3
Purina Hog Chow 50 AB Medicated	30.0	39.2	.5	1.3	8.0	6.0	3.0	2.8	1.4	1.2	.0003	----	3.0	1.9
RYDE & COMPANY, CHICAGO, ILLINOIS														
Ryde's Nutritive Minerals	----	----	----	----	----	----	22.0	23.5	3.0	3.6	.004	----	10.5	9.5
THE SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI														
** Gristo 42% Protein Dairy Mixing Concentrate	42.0	39.9	1.0	1.6	6.5	6.5	1.6	1.4	1.6	1.6	----	----	1.6	1.5**
Very much below guaranty in protein														
.001% Diethylstilbestrol Mix in Gristo 32% Protein Cattle Concentrate	32.0	35.3	2.5	2.0	9.0	7.8	1.1	1.1	1.4	1.2	----	----	2.0	1.4
** Gristo 35% Hog Pellets	35.0	----	2.5	1.9	9.0	8.0	4.3	3.7	1.5	----	----	----	2.5	----
Rechecked for fiber and calcium only - Unsatisfactory														
Gristo 35% Hog Pellets	35.0	----	2.5	----	9.0	----	4.3	3.8	1.5	1.5	----	----	2.5	----
STALEY MILLING COMPANY, KANSAS CITY, MISSOURI														
Staley 40% Bullets Hog Supplement	40.0	41.0	1.5	2.4	8.0	5.6	3.0	3.3	1.0	1.6	----	----	1.0	1.3
A. E. STALEY MANUFACTURING COMPANY, DECATUR, ILLINOIS														
** Staley's 34% Layer Concentrate	34.0	33.9	2.0	2.5	7.5	6.4	4.5	5.2	1.6	1.6	----	----	2.2	1.8**
Rechecked for fiber only														
Satisfactory														
Staley's Pig Concentrate (A) Medicated	36.0	38.6	1.0	2.0	7.0	6.0	1.7	3.0	.9	1.2	----	----	2.1	1.8
Staley's Sow & Gilt Concentrate	32.0	33.3	1.0	2.1	8.0	7.3	3.5	3.6	1.3	1.5	----	----	3.5	2.8

Protein and Mineral Feeds and Mineral Feeds

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
SWEET FEEDS, HOPKINSVILLE, KENTUCKY Pratts 32% Dairy Supplement	32.0	32.5	1.5	1.7	9.0	5.9	2.5	2.8	1.0	1.3	.00035	----	2.0	2.5
SWIFT & COMPANY, CHICAGO, ILLINOIS ** Swift's 40% Swine Concentrate Pow-R-Pac Brand	40.0	37.7	4.0	4.4	8.5	5.2	3.2	2.8	1.3	1.1	.003	----	1.5	.7**
Very much below guaranty in protein														
** Swift's 40% Swine Concentrate Pow-R-Pac Brand	40.0	40.9	4.0	3.1	8.5	5.9	3.2	4.1	1.3	1.4	.003	----	1.5	1.2**
Swift's Pork Builder Kentucky	40.0	40.1	2.5	2.0	8.0	6.0	3.0	3.2	1.0	1.1	.0003	----	2.0	.8
Swift's Pork Builder Kentucky	40.0	40.0	2.5	2.4	8.0	6.3	3.0	3.4	1.0	1.1	.0003	----	2.0	.9
** Pow-R-Pac Brand Swift's Sow and Pig Concentrate Rechecked for fat only - Satisfactory	35.0	-----	4.0	4.2	8.5	7.2	3.2	----	1.2	---	.0005	----	1.5	----**
TABOR HATCHERY & BUILDING SUPPLY, COLUMBIA, KENTUCKY ** Tabor Layer-Grower Concentrate Tabor 36% Pig & Sow Concentrate	38.0	39.0	3.0	1.6	7.0	7.1	2.0	1.9	.8	.8	.0004	----	1.0	1.0**
WARREN COUNTY FEED SERVICE, BOWLING GREEN, KENTUCKY Bee-Gee 33% Dairy Concentrate	33.0	33.7	.5	1.8	7.5	6.1	2.5	3.3	.5	.5	.005	----	1.0	1.1

REPORT OF OFFICIAL FEED SAMPLES ANALYZED

October, November, December, 1957

Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated with hulls, unground weeds seeds, or refuse, have been made to stand out in the report by the use of underline, asterisks, and (where necessary) appropriate remarks.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE ABILENE FLOUR MILLS COMPANY, ABILENE, KANSAS Wheat Gray Shorts with Screenings	16.0	17.1	4.0	4.5	6.0	5.5
ALBANY MILLS, ALBANY, KENTUCKY Clinton Pig and Hog Feed	16.0	17.9	3.0	3.3	6.0	4.7
	11.5	13.8	3.0	2.8	5.5	4.7
ALBERS MILLING COMPANY, PORTLAND, OREGON Albers Calf Manna	25.0	26.7	3.5	4.1	5.5	5.4
ALLEN COUNTY FEED & SEED, SCOTTSVILLE, KENTUCKY ** Simmon's 20% Egg Mash	20.0	<u>19.0</u>	2.5	4.0	6.5	5.3**
Simmon's 16% Milk Maker	16.0	18.7	2.5	2.4	10.0	5.9
Alco Pig & Hog Feed	15.0	16.7	3.5	4.1	6.0	5.0
Alco Pig & Hog Feed	15.0	16.3	3.5	4.2	6.0	4.5
ALLIED MILLS INC., CHICAGO, ILLINOIS Wayne Starter and Grower (136) Medicated	18.0	19.4	2.5	3.2	6.0	3.8
Wayne Rocket Broiler Starter (186-A) Medicated	23.0	----	5.0	4.9	2.5	2.7
Rechecked for fat only - Satisfactory						
Wayne Rocket Broiler Finisher (196A) Medicated	19.0	21.1	5.0	5.3	2.5	2.4
Wayne Universal Egg (An All mash Feed)	18.0	19.5	4.0	4.4	4.0	3.8
Wayne Egg Producer	20.0	22.8	3.0	3.4	7.0	5.6
Wayne Egg Mash	22.0	24.3	4.0	4.0	4.5	4.9
Wayne Cage Layer "S"	18.0	19.7	3.0	3.7	6.0	5.3
Wayne Breeder	22.0	25.6	4.0	5.1	4.5	4.2
Wayne Medicated H-A-D (170)	20.0	21.4	5.0	---	4.0	---
Rechecked for protein only - Satisfactory						
Wayne Medicated H-A-D (170)	20.0	22.4	5.0	---	4.0	---
Rechecked for protein only - Satisfactory						
Wayne Medicated H-A-D (170)	20.0	21.8	5.0	4.5	4.0	3.7
Wayne 16% Dairy	16.0	16.6	3.0	3.6	9.0	8.2
Wayne 16% Dairy	16.0	16.4	3.0	3.4	9.0	6.9
Wayne 16% Dairy	16.0	19.9	3.0	3.5	9.0	7.6
** Sugarine 16% Dairy	16.0	20.1	2.5	3.2	11.0	7.8**
Contained unground weed seeds						
** Sugarine 16% Dairy	16.0	----	2.5	4.0	11.0	11.1**
Rechecked for fiber and microscopic analysis						
Contained unground weed seeds						
** Sugarine 16% Dairy	16.0	----	2.5	3.9	11.0	11.8**
Rechecked for fiber and microscopic analysis						
Unsatisfactory						
** Sugarine 16% Dairy	16.0	18.3	2.5	4.0	11.0	<u>12.2**</u>
Contained unground weed seeds						
Sugarine 16% Dairy	16.0	22.4	2.5	3.2	11.0	8.8
Wayne Cotton Belt Dairy	16.0	19.1	3.0	3.2	10.0	6.9
Fitting Ration	13.0	14.8	3.0	3.5	8.5	5.6
Sucrene Horse Feed "S"	9.0	10.5	2.5	2.3	10.0	5.4
Wayne Pig & Sow Meal	20.0	20.7	3.0	3.7	6.0	3.0
Wayne Pig & Sow Meal	20.0	20.0	3.0	3.6	6.0	5.6
ANDERSON COUNTY FARM SERVICE, LAWRENCEBURG, KENTUCKY 16% Dairy Feed	16.0	16.5	2.5	2.9	10.0	6.6
ANDREWS FEED MILL, RUSSELLVILLE, KENTUCKY Super 34% Breeder Mash Concentrate	34.0	<u>37.3</u>	2.5	4.9	8.0	4.6
Super 18% Laying Ration	18.0	20.6	2.5	3.8	6.0	4.0

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
ANGLO SWEET FEED MILL, OWENSBORO, KENTUCKY						
Ace Perfection Brand 32% Poultry and Turkey Mash Supplement	32.0	32.8	3.5	4.9	8.0	7.0
Ace Perfection Brand Scratch Grains	9.5	9.4	3.0	3.0	3.5	2.1
Ace Perfection Brand 40% Protein Pig & Hog Supplement	40.0	42.4	2.0	6.0	8.0	5.1
Ace Perfection Brand 18% Protein Hog Feed	18.0	19.5	2.5	4.9	8.0	4.3
Ace Perfection Brand Rabbit Ration Pellets	15.0	18.3	2.0	3.6	15.0	10.9
Ace Perfection Cracked Corn	7.5	8.2	3.0	3.8	3.0	1.7
ARCHER-DANIELS MIDLAND COMPANY, MILWAUKEE, WISCONSIN						
** Ground Barley Screenings Contained unground weed seeds	11.0	----	2.0	---	20.0	---**
ARKANSAS CITY FLOUR MILLS, ARKANSAS CITY, KANSAS						
** Wheat Gray Shorts and Wheat Screenings (not to exceed 8%) Ground Wheat Screenings Microscopic analysis only Contained mixed screenings	16.0	----	3.5	---	6.0	---**
THE ARKANSAS RICE GROWERS COOPERATIVE, INC., STUTTGART, ARKANSAS						
Riceland Rice Bran	12.0	12.0	12.0	15.9	12.0	10.2
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY						
Red A 21% Turkey Growing & Developing Crumbles	21.0	22.2	3.5	4.5	8.0	6.1
Red A Growing Mash	17.0	18.9	3.0	4.5	7.0	5.7
Red A All Mash Starter & Grower Medicated	20.0	22.5	3.5	4.4	7.0	6.0
Red A All Mash Starter & Grower Mash Medicated	20.0	21.3	3.5	4.8	7.0	5.6
Red A All Mash Starter & Grower Crumbles	20.0	23.4	3.5	3.9	7.0	5.1
Red A Starter & Grower	20.0	24.3	3.5	4.5	7.0	4.8
Red A Super High Energy Broiler Ration Crumbles Medicated	22.5	24.2	4.0	4.0	3.0	2.6
Red A Broiler Finisher Pellet Medicated	19.5	21.4	4.0	4.6	3.0	2.7
Red A Laying Crumbles	20.0	20.8	3.0	4.3	7.0	5.3
Red A Laying Mash	20.0	21.3	3.0	4.7	6.0	5.1
Red A Laying Mash	20.0	22.2	3.0	4.4	7.0	5.5
Red A Laying Mash	20.0	21.1	3.0	4.6	6.0	5.1
Red A Laying Mash	20.0	20.9	3.0	4.9	8.0	5.0
Red A 23% Super Crumbles - Medicated	23.0	23.3	4.0	5.1	3.0	3.1
Red A Duck Starter Grower Pellets	18.0	20.6	3.0	3.9	7.0	5.9
Red A 26% Game Bird Grower Pellets	26.0	31.2	4.0	3.6	6.5	3.8
Red A 26% Game Bird Grower Pellets	26.0	30.3	4.0	3.8	6.5	3.6
Red A 44% Dairy Supplement	44.0	46.3	1.5	1.7	8.0	5.1
Red A 24% Protein Dairy Feed	24.0	29.4	3.0	3.5	10.0	7.1
Red A 24% Protein Dairy Feed	24.0	25.4	3.0	3.2	10.0	7.6
Red A 24% Protein Dairy Feed	24.0	27.4	3.0	3.4	10.0	7.9
Red A 24% Protein Dairy Feed	24.0	26.1	3.0	3.7	10.0	7.5
Supreme 24% Protein Dairy Feed	24.0	25.7	3.0	3.7	10.0	7.1
Red A 20% Protein Dairy Feed	20.0	23.1	3.0	4.2	10.0	7.9
Red A 20% Protein Dairy Feed	20.0	22.8	3.0	4.4	10.0	7.3
Red A 20% Protein Dairy Feed	20.0	22.7	3.0	3.5	10.0	7.8
Red A 18% Protein Dairy Feed	18.0	18.4	3.0	3.3	8.0	5.9
Red A 18% Dairy Feed	18.0	18.4	3.0	3.5	8.0	5.7
Red A 18% Protein Dairy Feed	18.0	18.5	3.0	4.1	8.0	5.9
** Aubrey's Special 16½% Dairy Feed	16.5	15.6	2.5	3.4	15.0	7.8**
** Aubrey's Special 16½% Dairy Feed	16.5	15.7	2.5	3.8	15.0	8.6**
Aubrey's Special 16½% Dairy Feed	16.5	16.0	2.5	2.9	15.0	10.0
Aubrey's Special 16½% Dairy Feed	16.5	16.3	2.5	3.4	15.0	9.6
Aubrey's Special 16½% Dairy Feed	16.5	16.4	2.5	3.5	15.0	8.8
Aubrey's Special 16½% Dairy Feed	16.5	16.8	2.5	3.7	15.0	10.1
Red A 20% Cattle Cubes	20.0	20.9	3.0	4.5	10.0	7.9
Red A 13½% Fitting Feed	13.5	13.3	2.5	3.7	9.0	6.4
Red A Calf Starter-Grower	18.5	20.6	3.0	3.8	7.5	5.7
Red A Horse Feed	9.0	9.9	3.0	3.5	8.0	4.0
Red A 35% Sow and Pig Concentrate	35.0	41.9	1.5	1.7	9.0	6.1

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY (Con't)						
Hycromycin in Red A 18% Sow & Pig Feed Medicated	18.0	18.7	3.0	3.6	6.0	4.7
Red A 18% Sow & Pig Feed Medicated for Swine Only - Hygromycin	18.0	18.9	3.0	3.4	6.0	4.8
Hygromycin Red A 18% Pig Starter Medicated for Swine only	18.0	22.0	3.0	4.0	3.7	3.4
Red A Pig Starter Pellets	18.0	19.0	3.0	3.2	6.0	3.3
Red A 18% Sow and Pig Pellets	18.0	20.5	3.0	4.6	6.0	4.3
Red A 18% Sow & Pig Pellets	18.0	20.2	3.0	4.2	6.0	5.2
Red A 18% Sow & Pig Pellets	18.0	----	3.0	4.5	6.0	5.8
Rechecked for fiber only - Satisfactory						
Red A 18% Sow & Pig Feed	18.0	21.1	3.0	4.7	6.0	6.2
Red A 18% Sow & Pig Feed (Meal)	18.0	----	3.0	5.3	6.0	4.5
Rechecked for fiber only - Satisfactory						
Red A Hog Fattener	14.0	16.0	3.0	4.1	8.0	6.0
Red A Wheat Brown Shorts with Screenings	15.0	16.3	3.5	3.7	7.0	5.0
Red A Wheat Brown Shorts with Screenings	15.0	17.4	3.5	4.7	7.0	6.8
Red A Wheat Brown Shorts with Screenings	15.0	17.3	3.5	3.5	7.0	6.4
Red A Wheat Brown Shorts with Screenings	15.0	----	3.5	4.2	7.0	6.6
Rechecked for fiber and microscopic analysis only - Satisfactory						
Red A Wheat Gray Shorts with Ground Screenings	16.0	----	3.5	4.1	6.0	6.4
Rechecked for fiber and microscopi analysis only - Satisfactory						
Aubrey's Wheat Bran	14.5	17.4	3.5	3.8	11.0	10.1
Aubrey's Wheat Bran	14.5	17.4	3.5	3.8	10.0	9.3
Hominy Feed	10.0	10.9	5.0	6.4	6.0	4.8
Hominy Feed	10.0	11.0	5.0	5.0	6.0	6.5
41% Protein Solvent Extracted Cottonseed Meal	41.0	40.8	1.0	3.2	13.0	11.3
Aubrey's 34% Protein Solvent Extracted Linseed Oil Meal	34.0	----	.5	1.6	9.5	5.7
Rechecked for fiber only - Satisfactory						
AUBURN MILLS, INC., AUBURN, KENTUCKY						
Leader Mixed Feed	14.0	14.3	3.5	3.2	7.5	5.2
AYLER & MEYER COMPANY, AURORA-RISING SUN, INDIANA						
Rainbow Dairy Feed	16.0	16.7	3.0	4.2	10.0	8.4
Rainbow Dairy Feed	16.0	15.6	3.0	3.2	10.0	7.5
B & L MILLING COMPANY, MEXICO, INDIANA						
Hominy Feed	9.5	11.5	6.0	9.1	6.0	5.5
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY						
** Harrison's Hen Scratch (Medium)	9.0	10.2	2.0	2.2	3.0	2.0**
Contained unground weed seeds						
Harrison's 24% Protein Dairy Feed	24.0	25.7	2.5	3.7	10.0	8.7
Harrison's 24% Protein Dairy Feed	24.0	23.8	2.5	3.5	10.0	7.0
Harrison's 16% Protein Dairy Feed	16.0	----	3.5	4.3	10.0	8.4
Rechecked for fat only - Satisfactory						
Bulky Brand 16.5% Protein Dairy Feed	16.5	17.6	2.5	3.7	15.0	12.0
Bulky Brand 16½% Protein Dairy Feed	16.5	19.1	2.5	3.6	15.0	7.5
Harrison's Nat-ur-Way Brand 40% Hog Supplement	40.0	42.4	4.0	4.1	6.0	6.5
** Harrison's 40% Hog Supplement	40.0	41.2	4.0	3.5	6.0	6.8**
Hominy Meal	9.0	----	6.0	---	8.0	---
Microscopic analysis only - Satisfactory						
BALLARD & BALLARD, LOUISVILLE, KENTUCKY						
Ballard's Wheat Brown Shorts with Screenings	15.0	----	3.5	---	7.5	---
Rechecked for microscopic analysis Satisfactory						
Ballard's Wheat Brown Shorts with Screenings	15.0	16.6	3.5	3.9	7.5	6.2
Ballard's Wheat Brown Shorts with Screenings	15.0	16.9	3.5	4.0	7.5	6.5
** Ballard's Wheat Brown Shorts with Screenings	15.0	16.9	3.5	3.9	7.5	5.2
Contained mixed screenings						

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BALLARD & BALLARD, LOUISVILLE, KENTUCKY (Con't)						
** Ballard's Wheat Brown Shorts with Screenings Rechecked for microscopic analysis only Unsatisfactory. This contained ground and unground weed seeds, chaff, hulls, stems, etc.	15.0	----	3.5	---	7.5	----**
Ballard's Pure Wheat Bran	14.0	16.4	3.5	3.6	11.0	9.7
BANNER FEED MILLS, HUNTINGTON, WEST VIRGINIA						
Banner 24% Dairy	24.0	24.7	2.5	2.4	15.0	11.1
16% Yellow Tag Sweet Mixing Feed	16.0	17.9	1.5	1.8	15.0	10.8
BARDSTOWN MILLS, BARDSTOWN, KENTUCKY						
Blue Ribbon 20% Protein Laying Mash	20.0	22.6	2.5	4.4	8.0	6.0
Blue Ribbon 16% Protein Dairy Feed Rechecked for fiber and microscopic analysis Satisfactory	16.0	----	2.5	3.0	15.0	14.3
Blue Ribbon 18% Pig & Sow Ration	18.0	22.0	3.0	5.4	6.0	5.7
BARDWELL MILLING COMPANY, BARDWELL, KENTUCKY						
** Bardwell Special 40% Protein Hog Supplement Contained unground weed seeds	40.0	40.2	2.5	3.3	8.0	6.5**
** Bardwell Special 35% Protein Sow & Pig Supplement Contained unground weed seeds	35.0	39.2	2.5	2.5	8.0	7.4**
BARNETT-SULLIVAN & COMPANY, HARRODSBURG, KENTUCKY						
Blue Ribbon Brand 18% Protein Egg Mash	18.0	21.2	2.5	3.8	7.0	4.3
Blue Ribbon Brand 18% Protein Egg Mash	18.0	20.0	2.5	3.9	7.0	5.7
Blue Ribbon Brand 16% Dairy Feed	16.0	16.4	2.5	2.5	10.0	7.0
BARTON DISTILLING COMPANY, BARDSTOWN, KENTUCKY						
Corn Distillers Dried Grains with Solubles	27.0	27.0	8.0	8.3	9.0	9.0
BAUGHMAN MILLING COMPANY, STANFORD, KENTUCKY						
Banner Brand 20% Protein Laying Mash	20.0	20.4	3.5	8.9	7.0	6.3
Banner Hen Feed	9.0	11.2	3.0	2.9	4.0	2.3
** Big B 24% Dairy Feed Contained unground weed seeds	24.0	24.8	3.0	6.5	10.0	8.3**
Big B 24% Dairy Feed Microscopic analysis only - Satisfactory	24.0	----	3.0	---	10.0	---
** Banner Special 16% Dairy Feed Contained corn cobs, rachis, hulls and unground weed seeds	16.0	19.7	2.5	4.8	10.0	9.0**
** Banner Special 16% Dairy Feed Microscopic analysis only - Satisfactory	16.0	----	2.5	---	10.0	---
** Banner Mixed Feed Contained unground weed seeds	11.0	14.3	3.5	7.1	11.0	5.7**
Banner Mixed Feed	11.0	13.8	3.5	4.5	11.0	6.4
Banner Mixed Feed Microscopic analysis only - Satisfactory	11.0	----	3.5	---	11.0	---
JAMES B. BEAM DISTILLING COMPANY, CLERMONT, KENTUCKY						
** 26% Protein Corn Distillers Dried Grains	26.0	29.0	6.0	8.7	14.0	14.9**
THE BEARDSTOWN MILLS COMPANY, BEARDSTOWN, ILLINOIS						
** Critic Super Baby Pig Starter Medicated	20.0	20.3	4.5	3.7	3.0	3.3**
Honest Egg Mash	18.0	19.5	3.0	4.3	7.5	6.6
BI-COUNTY FARM BUREAU COOPERATIVE ASSOCIATION, INC., FLORENCE, KENTUCKY						
Co-op Mermash Brand 17% All Purpose Mash	17.0	18.3	3.0	4.0	7.0	6.2
Co-op Milker Brand 24% Dairy Feed	24.0	25.3	2.5	2.3	9.0	5.9
Co-op Milkmaid Brand 16% Protein Dairy Feed	16.0	17.1	2.5	3.2	10.0	5.3
Co-op Porkmaker Brand 16% Protein Hog Ration	16.0	17.5	2.5	3.8	8.0	5.6

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BIG FOUR MILLS, COVINGTON, KENTUCKY						
** O. K. 18% Dairy Feed Microscopic examination only Contained about 40% screenings	18.0	19.7	2.5	---	15.0	----**
BISSET & CUMMINS, HARRODSBURG, KENTUCKY						
Check-R-Mix 14% Dairy Feed (To be used with high protein legume pasture, hay or ensilage)	14.0	15.0	2.5	2.7	10.0	6.5
Check-R-Mix 14% Dairy Feed (To be used with high protein legume pasture, hay or ensilage)	14.0	16.6	2.5	2.9	10.0	6.2
BOYLE PACKING COMPANY, DANVILLE, KENTUCKY						
** Pride of Boyle Tankage Very much below guaranty in protein	45.0	<u>42.3</u>	15.0	21.5	3.0	2.0**
BROCK GRAIN COMPANY, MAYSVILLE, KENTUCKY						
14% Dairy Feed (To be used with high protein legume pasture, hay or silage Rechecked for urea only - Satisfactory	14.0	----	2.5	---	10.0	----**
BROWDER MILLING COMPANY, INC., FULTON, KENTUCKY						
Browder's Special Laying Mash	18.0	19.1	2.5	3.4	8.0	6.1
M. F. BRYANT & SONS MILLING COMPANY, SEBREE, KENTUCKY						
Big B 16% Dairy Feed Microscopic analysis only - Satisfactory	16.0	----	2.5	---	10.0	---
THE BUCKEYE COTTON OIL DIV. OF THE BUCKEYE CELLULOSE CORP., CINCINNATI, OHIO						
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal	44.0	47.5	.5	1.1	7.0	6.0
BUHNER & COMPANY, LOUISVILLE, KENTUCKY						
Buhner's Happy Farmer Scratch Feed	9.0	9.6	3.0	3.3	5.0	2.0
Magnolia 16½% Dairy Feed	16.5	16.8	3.0	3.0	10.0	7.1
BUNDY BROTHERS MILL COMPANY, MEDORA, INDIANA						
Medora 20% Protein Laying Mash	20.0	19.8	4.5	4.2	7.0	5.4
Medora 20% Protein Laying Mash	20.0	21.4	4.5	4.1	7.0	4.7
Medora 19% Protein Pig & Sow Feed	19.0	19.3	4.0	3.7	6.0	5.1
Rabbit Pellets	16.0	17.9	2.5	3.9	11.5	10.2
BURGESS BROTHERS MILL, SADIEVILLE, KENTUCKY						
16% Dairy Feed	16.0	18.5	2.5	4.4	11.0	7.6
11% Horse & Mule Feed	11.0	13.6	2.5	3.5	8.0	4.3
A. C. BUTTS & SONS, FULTON, KENTUCKY						
Butt's Special Brand 16% Protein Dairy Feed	16.0	17.9	2.5	2.5	15.0	12.0
Cracked Corn	7.5	8.6	3.0	2.9	1.9	1.6
CADIZ MILLING COMPANY, CADIZ, KENTUCKY						
** Sunbeam 20% Starting Mash with Sulfaquinoxaline Very much below guaranty in protein	20.0	<u>17.6</u>	3.0	<u>2.4</u>	6.0	6.0**
Sunbeam Laying Mash	20.0	20.9	2.5	2.6	7.0	5.0
** Sunbeam Scratch Feed Contained unground weed seeds	9.0	9.1	2.0	2.9	2.5	1.7**
Sugar Sweet Dairy Feed	16.0	17.1	3.0	2.5	10.0	7.2
** Sunbeam 20% Pig & Sow Ration Rechecked for protein only - Unsatisfactory	20.0	<u>18.4</u>	3.0	----	6.0	----**
** Sunbeam 20% Pig & Sow Ration Rechecked for protein only - Unsatisfactory	20.0	<u>18.7</u>	3.5	---	6.0	----**
** Sunbeam 20% Pig & Sow Ration Rechecked for protein only - Unsatisfactory	20.0	<u>18.7</u>	3.5	---	6.0	----**
Sunbeam Cadmium Oxide Pig Wormer Rechecked for fiber only - Satisfactory	16.0	----	3.0	3.3	6.0	6.5
** Hominy Feed	10.0	<u>9.0</u>	5.0	<u>3.2</u>	5.5	5.3**

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CAMPBELL'S FEED MILL, KEVIL, KENTUCKY 41% Cottonseed Meal Rechecked for fat only - Unsatisfactory	41.0	----	3.0	<u>1.2</u>	13.0	11.9
CANN BROTHERS, LEITCHFIELD, KENTUCKY ** Cann's 20% Laying Mash Contained corn cobs	20.0	20.1	3.0	3.9	8.0	4.4**
** Cann's 20% Laying Mash	20.0	<u>18.8</u>	3.0	3.9	8.0	4.4**
** Cann's 16% Dairy Contained corn cobs	16.0	16.3	2.5	3.2	15.0	8.3**
** Cann's 16% Dairy	16.0	<u>14.7</u>	2.5	3.6	15.0	5.8**
** Cann's Pig Starter	18.0	<u>17.3</u>	4.0	4.2	6.0	3.4**
Cann's Hog Feed	14.0	19.5	2.5	4.5	8.0	4.3
CANEYVILLE ROLLER MILLS, CANEYVILLE, KENTUCKY ** Kentucky Farm Scratch Feed Microscopic analysis Contained unground weed seeds	9.0	----	2.0	---	7.0	----**
Kentucky Farm Scratch Feed Microscopic analysis only - Satisfactory	9.0	----	2.0	---	7.0	---
CARROLL COUNTY FARM BUREAU COOPERATIVE, CARROLLTON, KENTUCKY Carroll County Farm Bureau Cooperative Special Dairy Feed	16.0	18.9	3.0	4.0	10.0	5.5
CENTRAL SOYA COMPANY, INC., FORT WAYNE, INDIANA ** Central Soybean Mill Feed Very much above guaranty in fiber	11.0	11.7	2.0	1.5	33.0	<u>35.4**</u>
CITIZENS MILLING COMPANY, SOMERSET, KENTUCKY 16% Cumberland Mixed Feed	16.0	17.6	2.5	3.4	10.0	5.9
CITY ROLLER MILLS, VEVA, INDIANA ** Blue Ribbon Brand 18% Protein Laying Mash Contained oat hulls	18.0	19.2	3.7	5.2	7.5	5.5**
Blue Ribbon Brand 24% Protein Dairy Feed	24.0	25.4	3.0	3.1	10.0	8.2
Blue Ribbon Brand 16% Protein Dairy Feed	16.0	16.6	3.0	3.0	10.0	8.4
Blue Ribbon Special 16% Protein Dairy Feed	16.0	16.7	3.0	3.0	10.0	8.4
Blue Ribbon Horse & Mule Feed	10.0	9.7	3.0	3.3	9.0	8.0
CLARKSON FEED STORE, CLARKSON, KENTUCKY ** Van Meter 20% Laying Mash	20.0	21.0	3.0	4.3	8.0	<u>9.5**</u>
Van Meter's 18% Sow-Pig Feed	18.0	23.5	3.5	4.0	6.0	5.5
Fidelity Brand 20% Protein Laying Mash	20.0	20.7	3.5	3.5	7.0	6.7
CLIFTY FALLS MILLS, INC., MADISON, INDIANA ** Clifty Falls 20% Protein Egg Mash	20.0	20.7	3.0	4.6	7.0	<u>7.7**</u>
** Clifty Falls 24% Protein Cow Feed Rechecked for fiber only Contained corn cobs and oat hulls	24.0	----	2.5	2.1	10.0	9.6**
Clifty Falls 24% Protein Cow Feed Rechecked for fat only - Satisfactory	24.0	----	2.5	2.3	16.0	7.0
Clifty Falls 24% Protein Cow Feed	24.0	25.8	2.5	2.2	10.0	6.2
** Clifty Falls 24% Protein Pusher Feed Excess corn cobs and oat hulls	24.0	----	2.5	---	10.0	----**
Clifty Falls 24% Protein Pusher Feed Microscopic analysis only - Unsatisfactory Contains oat hull feed	24.0	----	2.5	---	10.0	---
Clifty Falls 24% Protein Pusher Feed Microscopic analysis only - Unsatisfactory Contains hulls	24.0	----	2.5	---	10.0	---
** Clifty Falls 24% Protein Pusher Feed Microscopic analysis only Contained oat hulls	24.0	----	2.5	---	10.0	----**
** Clifty Falls 24% Protein Pusher Feed Contained oat hull feed	24.0	24.0	2.5	2.3	10.0	<u>11.3**</u>

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CLIFTY FALLS MILLS, INC., MADISON, INDIANA (Con't)						
Clifty Falls 24% Protein Pusher Feed	24.0	----	2.5	2.6	10.0	5.9
Rechecked for fiber and microscopic analysis only - Satisfactory						
Clifty Falls 24% Protein Pusher Feed	24.0	23.7	2.5	2.3	10.0	7.4
Clifty Falls 24% Protein Pusher Feed	24.0	----	2.5	2.6	10.0	5.6
Clifty Falls 20% Protein Pusher Feed	20.0	24.1	2.5	3.0	10.0	9.4
Clifty Falls 20% Protein Pusher Feed	20.0	23.4	2.5	3.1	10.0	7.8
** Clifty Falls 20% Protein Pusher Feed	20.0	----	2.5	---	10.0	----**
Rechecked for microscopic analysis only						
Contained oat hull feed						
Clifty Falls 20% Protein Pusher Feed	20.0	22.6	2.5	2.4	10.0	5.3
Clifty Falls 16% Protein Cow Feed	16.0	----	2.5	2.6	15.0	11.7
Clifty Falls 16% Protein Cow Feed	16.0	19.9	2.5	3.2	15.0	7.5
Clifty Falls 16% Protein Cow Feed	16.0	18.9	2.5	2.2	15.0	11.6
Clifty Falls 16% Protein Cow Feed	16.0	17.4	2.0	2.0	15.0	10.3
Clifty Falls 16% Protein Cow Feed	16.0	17.3	2.0	1.8	15.0	9.7
Clifty Falls 16% Protein Cow Feed	16.0	20.0	2.0	2.6	15.0	8.3
Clifty Falls 16% Protein Cow Feed	16.0	18.5	2.5	2.8	10.0	8.2
Clifty Falls 16% Protein Pusher Feed	16.0	18.2	2.5	2.9	10.0	10.5
Clifty Falls 16% Protein Pusher Feed	16.0	15.8	2.5	2.6	10.0	10.7**
** Clifty Falls 16% Protein Pusher Feed						
Contained oat hull feed and excess corn cobs						
Clifty Falls 16% Protein Pusher Feed	16.0	----	2.5	2.7	10.0	4.9
** Clifty Falls 15% Protein Stock Feed	15.0	17.1	2.5	3.5	9.0	11.1**
Contained oat hull feed						
Very much above guaranty in fiber						
Clifty Falls 15% Protein Stock Feed	15.0	----	2.5	---	9.0	---
Contained corn cobs and oat mill by-product						
Microscopic analysis only						
Clifty Falls 15% Protein Stock Feed	15.0	16.1	2.5	3.2	9.0	7.5
** Clifty Falls 10% Protein Horse & Mule Feed	10.0	8.8	2.5	3.7	10.0	4.1**
Clifty Falls 10% Protein Horse & Mule Feed	10.0	10.0	2.5	3.7	10.0	4.0
Clifty Falls 14% Protein Hog Fattener	14.0	15.6	3.5	4.6	6.0	5.4
** Hominy Feed	10.0	9.0	5.0	4.4	6.0	2.5**
Rechecked for protein and fat - Unsatisfactory						
CLINTON CORN PROCESSING COMPANY, CLINTON, IOWA						
** Dex-Mo-Lass	12.0	12.4	.2	.8	6.0	4.9**
Below guaranty in sugar						
CLINTON HATCHERY, CLINTON, KENTUCKY						
New Deal 20% Protein Breeder Mash	20.0	22.2	3.0	4.4	8.0	7.1
New Deal 44% Protein Hog Supplement	44.0	45.8	2.0	3.3	6.0	6.4
CLINTON MILLING COMPANY, CLINTON, KENTUCKY						
None Better Brand 18% Laying Mash	18.0	18.4	3.0	3.5	7.0	4.7
Climco Brand of Diethylstilbestrol Mix in Climco Brand Cattle Feed	30.0	----	2.5	2.7	8.0	8.2
Rechecked for fat only - Satisfactory						
** Climco Custom Feed Steer Feed	7.0	9.4	4.0	1.2	10.0	19.2**
Very much below guaranty in fat and above guaranty in fiber						
Climco Horse & Mule Feed	9.0	9.5	3.5	3.6	7.0	3.8
Custom Hog Feed	14.0	13.5	4.0	4.7	4.5	3.1
CLELL COLEMAN & SONS, BURGIN, KENTUCKY						
** Coleman's Pig & Hog Feed	16.5	15.8	4.0	4.3	6.5	4.9**
Hog Fattener	14.0	14.3	3.5	3.7	6.5	5.2
Big Blue Stock Feed	16.5	----	4.0	---	6.5	---
Microscopic analysis only - Satisfactory						
Big Blue Stock Feed	16.5	18.6	4.0	4.2	6.5	5.0
** Big Blue Stock Feed	16.5	16.6	4.0	4.1	6.5	4.3**
Contained unground weed seeds						
Big Blue Stock Feed	16.5	----	4.0	---	6.5	---
Microscopic analysis only - Satisfactory						
** Wheat Mixed Feed	14.0	13.3	4.0	3.4	9.0	5.2**

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CLELL COLEMAN & SONS, BURGIN, KENTUCKY (Con't)						
** Wheat Mixed Feed	14.0	13.7	4.0	<u>3.3</u>	9.0	6.1**
Wheat Mixed Feed	13.0	14.4	3.5	3.6	9.0	6.0
Coleman's Farm Feed	14.0	14.5	4.0	4.2	8.0	5.0
Coleman's Farm Feed	14.0	14.3	4.0	4.0	8.0	4.9
Coleman's Farm Feed	14.0	13.7	4.0	4.6	8.0	5.0
Coleman's Farm Feed	14.0	14.8	4.0	3.5	8.0	5.1
** Coleman's Hominy Feed	10.0	----	7.0	<u>5.8</u>	6.0	<u>7.8**</u>
Rechecked for fat - Unsatisfactory						
COCKE & COMPANY, ATLANTA, GEORGIA						
Cocke-Sure Brand 41% Protein Solvent						
Cottonseed Meal	41.0	40.6	.5	.5	14.0	13.3
COLBY MILLING COMPANY, COLBY, WISCONSIN						
** Colby Pulverized White Oats	11.5	12.6	3.5	3.5	12.5	11.8**
Contained ground weed seeds, sand and dirt						
Colby Pulverized White Oats	11.5	----	3.5	---	12.5	---
Rechecked for microscopic analysis only						
Unsatisfactory - Contains ground weed seeds, stems, hulls, sand and dirt						
Colby Pulverized White Oats	11.5	----	3.5	---	12.5	---
Microscopic analysis only - Satisfactory						
** Colby Coarse Ground White Oats	11.5	11.2	3.5	3.6	12.5	<u>14.4**</u>
Very much above guaranty in fiber						
Contained unground weed seeds, rachis and chaff						
Colby Pulverized Mill Oats	10.5	----	3.0	---	16.0	---
Microscopic analysis only - Unsatisfactory						
Mostly Ground weed seeds, sand, dirt with very little oats						
Colby Pulverized Mill Oats & Mixed Screenings	10.5	----	3.0	---	16.0	---
Rechecked for microscopic analysis only						
Unsatisfactory - This is mostly ground weed seeds, hulls, chaff, sand, dirt with a few oats						
** Colby Pulverized Mill Oats & Mixed Screenings	10.5	13.8	3.0	6.0	16.0	16.3**
This is mostly mixed screenings						
H. C. COLE MILLING COMPANY, CHESTER, ILLINOIS						
Omega Wheat Gray Shorts and Ground Wheat Screenings not exceeding mill run for winter wheat	15.0	----	3.5	4.2	6.0	6.3
Rechecked for fiber only - Satisfactory						
Omega Wheat Gray Shorts and Screenings	15.0	16.9	3.5	3.8	6.0	6.1
Omega Wheat Gray Shorts and Ground Wheat Screenings not exceeding mill run from Winter Wheat	15.0	17.3	3.5	4.0	6.0	6.1
Omega Wheat Mixed Feed	14.0	17.3	3.5	4.3	8.5	5.8
THE COLORADO MILLING & ELEVATOR COMPANY, DENVER, COLORADO						
** Wheat Gray Shorts & Screenings	16.0	16.0	3.5	3.9	6.0	5.2**
Contained hulls, chaff and dirt						
Wheat Gray Shorts & Screenings	16.0	15.5	3.5	4.1	6.0	5.4
COMMUNITY MILLING COMPANY, IRVINGTON, KENTUCKY						
Our Pride 32% Dairy Supplement	32.0	33.7	3.0	2.7	9.0	6.6
** Our Pride 20% Dairy Feed	20.0	20.9	2.5	2.3	10.0	<u>10.8**</u>
** Our Pride 16% Dairy Feed	16.0	17.0	2.5	2.0	10.0	<u>12.8**</u>
Very much above guaranty in fiber						
Soft Wheat Feed & Screenings	14.0	15.1	3.0	3.0	9.0	3.8
Soft Wheat Feed with Screenings	14.0	----	3.0	---	9.0	---
Rechecked for microscopic analysis only						
Satisfactory						

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE CONSOLIDATED FLOUR MILLS, WICHITA, KANSAS						
Wheat Gray Shorts and Screenings	16.0	18.3	3.5	3.8	6.0	5.7
Wheat Bran and Screenings	14.5	15.6	3.5	4.2	11.0	8.8
COOPERATIVE MILLS, INC., CINCINNATI 15, OHIO						
Turkey Developer (4N) Medicated	22.0	24.5	4.0	5.4	5.5	3.6
44% Broiler Concentrate Medicated	44.0	<u>40.9</u>	4.0	3.8	4.0	3.9
Very much below guaranty in protein						
Growing Mash	17.5	24.4	3.5	4.2	6.5	3.6
Broiler Maker (S.M.) Medicated	22.0	23.2	4.5	4.6	4.0	3.3
Broiler Maker (NZ) Medicated	22.0	23.6	4.5	5.5	4.0	3.4
Broiler Maker (NZ) Medicated	22.0	23.2	4.5	4.5	4.0	3.0
Broiler Maker - Medicated (NZ)	22.0	23.3	4.5	5.7	4.0	3.2
Broiler Maker Finisher Medicated	19.0	20.2	4.5	4.7	4.0	3.7
Broiler Maker Finisher Medicated	19.0	----	4.5	---	4.0	---
Rechecked for Nicarbazin - Satisfactory						
Broiler Maker Finisher, Medicated	19.0	18.5	4.5	4.7	4.0	2.7
Super Breeding Mash	20.0	23.5	4.5	5.4	6.0	3.6
All Mash Breeder Ration	16.0	18.5	4.5	5.2	5.0	4.4
Super Laying Mash	20.0	22.8	4.0	5.3	5.5	3.6
Caged Layer Ration	18.0	24.1	4.0	4.3	5.5	3.8
Medicated XTR. Aid	22.0	24.7	4.5	5.6	4.0	3.5
** 32% Dairy Supplement	32.0	<u>30.7</u>	2.5	2.8	11.0	9.4**
32% Dairy Supplement	32.0	<u>29.4</u>	2.5	2.7	11.0	10.9
Very much below guaranty in protein						
32% Milk Maker	32.0	35.1	2.5	2.8	10.0	7.7
32% Milk Maker	32.0	32.8	2.5	2.5	10.0	8.4
32% Milk Maker	32.0	32.8	2.5	2.9	10.0	7.5
32% Milk Maker	32.0	33.6	2.5	2.8	10.0	7.5
32% Milk Maker	32.0	32.8	2.5	2.9	10.0	6.8
24% Milk Maker	24.0	26.3	3.0	3.9	10.0	7.6
24% Milk Maker	24.0	24.8	3.0	3.6	10.0	7.8
24% Milk Maker	24.0	25.7	3.0	3.6	10.0	7.4
20% Milk Maker	20.0	22.5	3.0	4.0	10.0	7.1
20% Milk Maker	20.0	22.1	3.0	4.0	10.0	8.1
20% Milk Maker	20.0	22.1	3.0	4.3	10.0	7.3
20% Milk Maker	20.0	21.9	3.0	4.3	10.0	7.3
20% Milk Maker	20.0	22.0	3.0	4.0	10.0	8.9
16% Milk Maker	16.0	19.0	3.0	3.8	10.0	8.2
16% Milk Maker	16.0	19.4	3.0	3.6	10.0	7.7
16% Utility Dairy	16.0	18.9	3.0	3.2	15.0	12.6
16% Utility Dairy	16.0	18.6	3.0	3.3	15.0	13.0
16% Utility Dairy	16.0	17.0	3.0	2.9	15.0	12.6
16% Utility Dairy	16.0	----	3.0	---	15.0	---
Rechecked for urea only - Satisfactory						
16% Utility Dairy	16.0	20.5	3.0	3.2	15.0	10.8
16% Dari-Flo	16.0	18.6	3.0	4.1	10.0	7.7
16% Dari-Flo	16.0	18.2	3.0	3.0	10.0	7.4
16% Dari-Flo	16.0	17.3	3.0	4.2	10.0	7.6
16% Dari-Flo (Coarse Texture)	16.0	17.1	3.0	3.9	10.0	8.4
16% Dari-Flo (Coarse Texture)	16.0	19.7	3.0	3.9	10.0	8.1
16% Pasture Dairy	16.0	18.9	3.0	3.0	11.0	6.2
16% Pasture Dairy	16.0	19.4	3.0	3.0	11.0	6.9
0.21 excess non-protein nitrogen from urea						
Beef Supplement	30.0	32.6	2.0	2.1	11.0	11.5
** Beef Supplement	30.0	<u>28.3</u>	2.0	2.5	11.0	9.3**
Fitting Feed	14.0	15.0	3.5	3.0	8.0	6.1
Fitting Feed	14.0	16.6	3.5	4.0	8.0	8.0
Sweet Stock Feed	11.0	----	3.0	2.8	7.0	4.0
Rechecked for fat only - Satisfactory						
Sweet Stock Feed	11.0	----	3.0	2.5	7.0	4.3
Rechecked for fat only - Satisfactory						

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
COOPERATIVE MILLS, INC., CINCINNATI 15, OHIO (Con't)						
Sweet Stock Feed	11.0	----	3.0	2.9	7.0	4.7
Rechecked for fat only - Satisfactory						
Sweet Stock Feed	11.0	12.5	3.0	2.6	7.0	4.1
Sweet Stock Feed	11.0	12.6	3.0	3.2	7.0	5.9
Sweet Stock Feed	11.0	11.6	3.0	3.1	7.0	5.3
Co-op Sweet Mix	5.0	7.7	1.0	1.2	11.0	8.9
Calf Developer	18.0	20.6	4.0	4.0	8.0	7.3
Sheep Feed	14.0	16.0	3.0	4.0	10.0	8.7
Sheep Feed	14.0	15.6	3.0	4.0	10.0	7.3
20% Sow & Pig Feed	20.0	21.9	4.0	5.4	6.0	5.2
20% Sow & Pig Feed	20.0	20.9	4.0	6.3	6.0	4.8
20% Sow & Pig Feed	20.0	20.6	4.0	5.3	6.0	4.5
20% Sow & Pig Feed	20.0	21.3	4.0	6.0	6.0	3.9
Pig Starter	18.0	20.4	4.5	5.2	4.5	2.8
Pig Starter	18.0	19.9	4.5	4.5	4.5	3.1
15% Pork Maker	15.0	16.1	4.0	5.5	5.5	4.4
15% Pork Maker	15.0	16.4	4.0	4.7	5.5	4.3
CORN PRODUCTS SALES COMPANY, NEW YORK 4, NEW YORK						
Kasco Complete Dog Food	25.0	28.7	8.0	10.2	4.0	2.7
CRESCENT ROLLER MILLS COMPANY, TAYLORSVILLE, KENTUCKY						
** Crescent 50% Dairy Supplement	50.0	<u>48.4</u>	1.0	1.8	8.0	5.5**
Very much below guaranty in protein						
Crescent 50% Dairy Supplement	50.0	50.0	1.0	2.8	8.0	6.0
Crescent 16½% Dairy	16.5	18.1	3.0	3.2	10.0	6.1
** Crescent Stock Feed	14.0	<u>13.2</u>	3.0	5.1	6.0	4.9**
Below Guaranty in protein						
** Crescent Stock Feed	14.0	<u>13.3</u>	3.0	---	6.0	----**
Rechecked for protein - Unsatisfactory						
Crescent Stock Feed	14.0	13.9	3.0	5.3	6.0	4.2
** Crescent Stock Feed	14.0	<u>12.7</u>	3.0	5.6	6.0	4.2**
Very much below guaranty in protein						
CRITTENDEN MILLING COMPANY, MARION, KENTUCKY						
Crushed Corn Cob and Shuck	7.0	7.3	3.0	2.9	11.0	7.0
15% Protein All Mash Poultry Ration	15.0	16.4	3.0	3.8	6.0	6.5
CULTON SEED CLEANERS, WINCHESTER, KENTUCKY						
** Culton's Champion 14% Dairy Feed (to be used with high protein legume pas- ture, hay and ensilage)	14.0	----	2.2	---	10.0	----**
Microscopic examination only Contained unground weed seeds						
CUSTOM FEED MILLS, MORGANFIELD, KENTUCKY						
"Custom Maid" 32% Protein Poultry Concentrate	32.0	----	3.0	3.4	7.0	7.2
"Custom Maid" 20% Protein Laying Mash	20.0	----	3.0	3.2	6.5	7.0
** "Custom Maid" 32% Protein Dairy Concentrate	32.0	----	2.0	<u>1.0</u>	9.0	5.8**
Rechecked for fiber only - Satisfactory						
Custom Maid 32% Beef Finisher	32.0	31.7	0.5	0.9	9.0	6.6
** "Custom Maid" 20% Protein Pig and Sow Feed	20.0	21.5	3.0	4.3	6.0	<u>7.0**</u>
Above guaranty in fiber						
** "Custom Maid" 20% Protein Pig and Sow Feed	20.0	----	3.0	4.1	6.0	<u>7.8**</u>
Rechecked for fiber only - Unsatisfactory						
DEARBORN MILLS, AURORA, INDIANA						
Dearborn Medicated 20% Booster Feed	20.0	20.9	4.0	4.2	4.0	3.5
Dearborn 20% Layer	20.0	22.8	3.0	3.8	5.5	4.8
Success Brand 20% Laying Mash	20.0	21.1	3.0	4.6	8.0	7.3
"Success Brand" 20% Laying Mash	20.0	20.9	3.0	4.1	8.0	6.6
Dearborn Special 32% Dairy & Cattle Supplement	32.0	31.7	0.5	2.3	11.5	9.4
Dearborn Sweet 24% Dairy	24.0	24.9	2.5	2.8	12.5	8.6
Dearborn 20% Dairy Feed	20.0	21.0	2.5	3.4	11.5	5.5
Dearborn 16% Dairy Feed	16.0	17.3	2.5	3.5	11.5	7.9

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
DEARBORN MILLS, AURORA, INDIANA						
Dearborn Favorite 16% Dairy Feed	16.0	----	2.5	3.2	12.5	8.1
Rechecked for fiber only - Satisfactory						
Dearborn Favorite 16% Dairy Feed	16.0	19.3	2.5	3.4	12.5	9.4
Dearborn Sweet 16% Dairy	16.0	17.8	2.5	2.4	15.0	10.9
Dearborn Sweet 16% Dairy	16.0	17.2	2.5	2.0	15.0	13.9
Dearborn Calf Grower Ration	18.0	19.1	3.0	3.0	7.0	7.4
Dearborn 16% Protein Pig & Sow Ration	16.0	16.7	3.0	3.2	6.0	5.7
Dearborn 16% Protein Pig & Sow Ration	16.0	16.4	3.0	3.9	6.0	5.5
Dearborn 16% Protein Pig & Sow Ration	16.0	16.1	3.0	3.7	6.0	6.3
Dearborn 14% Protein Hog Fattener	14.0	14.2	3.0	4.1	6.0	5.3
Dearborn 18% Rabbit Ration (Complete)	18.0	24.6	2.0	3.2	18.0	8.0
DECATUR ELEVATOR COMPANY, DECATUR, ILLINOIS						
Illini Brand Old Process Expeller Type 41% Soybean Oil Meal	41.0	43.7	4.0	4.8	7.0	7.0
W. C. DICKEN, MENTOR, KENTUCKY						
"Sunny Grain Brand" 20% Protein Laying Mash	20.0	22.1	3.0	4.1	7.0	5.8
"Sunny Grain Brand" Pig & Sow Feed	18.0	18.8	3.5	3.9	6.0	5.9
DIXIE MILLS COMPANY, EAST ST. LOUIS, ILLINOIS						
Dixie Egg Pellets	20.0	22.1	3.0	4.1	8.0	6.2
Dixie 18% Dairy Feed	18.0	20.7	2.5	3.2	10.0	9.8
** Dixie 16% Milking Feed	16.0	16.5	3.0	2.4	9.0	8.1**
Dixie Dri-Molass (Oats & Mollasses)	9.0	10.2	3.0	3.7	10.0	3.7
DIXIE-PORTLAND FLOUR COMPANY, CHATTANOOGA, TENNESSEE						
** Red Lion Wheat Shorts Contained Mixed Screenings	16.0	17.5	4.0	4.9	6.0	6.7**
DUNCAN'S FARM SERVICE, LAWRENCEBURG, KENTUCKY						
Check-R-Mix Growing Mash	17.0	17.8	2.5	4.2	8.0	3.3
12% Dairy Feed (To be fed only with high protein legume pasture or legume hay or silage)	12.0	11.8	2.5	2.8	10.0	7.0
Calf Starter	19.0	19.1	2.5	2.3	9.5	6.6
DYERSBURG OIL MILL COMPANY, DYERSBURG, TENNESSEE						
Star Brand 41% Protein Cottonseed Meal	41.0	41.5	3.0	3.8	14.0	10.6
41% Protein Cottonseed Meal	41.0	41.9	3.0	4.6	14.0	8.8
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO						
Tuxedo Chick Starter	21.0	----	4.0	3.9	5.5	5.5
Rechecked for fiber only - Satisfactory						
Tuxedo Starter, Grower, & Developer Mash	17.0	18.0	3.0	4.8	7.0	5.9
E & D Layer (Pellets)	20.0	20.2	3.0	4.4	8.0	5.6
Tuxedo Special Egg Mash	20.0	20.9	3.0	4.2	8.0	6.0
Tuxedo Special Egg Mash	20.0	20.3	3.0	3.5	8.0	5.1
Tuxedo Special Egg Mash	20.0	21.1	3.0	3.9	8.0	7.1
Tuxedo Special Egg Mash Pellets	20.0	21.7	3.0	4.2	8.0	6.2
Tuxedo Complete Egg Ration	16.0	18.7	3.0	5.2	7.0	6.4
Tuxedo Complete Egg Ration	16.0	17.4	3.0	5.2	7.0	5.9
Tuxedo 33% Dairy Supplement	33.0	35.9	2.0	2.7	8.5	7.3
Tuxedo 24% Dairy	24.0	25.2	2.5	3.6	10.0	8.5
Tuxedo 24% Dairy	24.0	24.4	2.5	3.4	10.0	8.7
Tuxedo 24% Dairy	24.0	26.7	2.5	3.2	10.0	8.7
Tuxedo Special 24% Dairy	24.0	25.4	2.5	2.6	12.0	8.8
Tuxedo Special 24% Dairy	24.0	25.4	2.5	2.5	12.0	8.4
Tuxedo 20% Dairy	20.0	22.9	2.5	3.2	10.0	8.1
Tuxedo Special 20% Dairy	20.0	20.2	2.5	2.9	12.0	10.4

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO (Con't)						
Tuxedo 18% Dairy	18.0	19.8	2.5	2.9	10.0	8.4
** Tuxedo 16% Dairy	16.0	17.1	2.5	2.9	15.0	17.0**
Tuxedo 16% Dairy	16.0	----	2.5	3.3	15.0	13.4
Rechecked for fiber only - Satisfactory						
Tuxedo 16% Dairy	16.0	17.9	2.5	2.7	15.0	13.6
Tuxedo Special 16% Dairy	16.0	15.7	2.5	2.7	15.0	13.4
Tuxedo Calf Feed	19.5	19.2	2.5	4.2	9.0	6.6
Tuxedo Chop	9.0	10.4	3.0	3.6	10.0	7.5
Tuxedo Pig Grower-Pellets Medicated	16.0	17.6	3.0	5.7	6.0	5.7
Tuxedo Pig Grower (Medicated)	16.0	16.8	3.0	6.0	6.0	6.3
Tuxedo Pig Grower Medicated	16.0	17.2	3.0	5.7	6.0	6.2
Tuxedo Pig Grower	16.0	17.4	3.0	5.4	6.0	6.1
Tuxedo Pig Grower Pellets Medicated	16.0	17.5	3.0	5.1	6.0	5.5
E & D Pig, Hog & Sow Feed	16.0	17.6	3.0	5.6	6.0	5.1
Tuxedo Pig Grower	16.0	18.0	3.0	5.6	6.0	5.4
Tuxedo Peak-Flo Lactation Sow Feed Medicated	15.0	----	5.5	5.5	7.0	5.2
Rechecked for fat only - Satisfactory						
Tuxedo Peak Flo Lactation Sow Feed Medicated	15.0	15.3	5.5	5.5	7.0	5.5
Tuxedo Peak Flo Lactation Sow Feed Medicated	15.0	15.1	5.5	5.7	7.0	4.6
** Tuxedo Peak Flo Lactation Sow Feed Medicated	15.0	15.3	5.5	4.8	7.0	5.5**
Tuxedo Peak Flo Lactation Sow Feed Medicated	15.0	16.3	5.5	7.8	7.0	5.0
Tuxedo Porkmaker	14.0	13.8	3.0	4.2	7.5	5.1
Tuxedo Porkmaker	14.0	14.0	3.0	4.9	7.5	5.7
Tuxedo Rabbit Ration	15.0	15.8	2.8	3.4	15.0	9.2
Brewer's Dried Grains & Molasses	22.0	23.2	5.0	4.7	12.0	11.6
EMMART PACKING COMPANY, INC., LOUISVILLE, KENTUCKY						
** Emmart's 60% Digester Tankage	60.0	58.5	6.0	7.2	3.0	2.2**
Emmart's 60% Digester Tankage	60.0	59.9	6.0	8.0	3.0	1.7
THE F. L. EMMERT COMPANY, CINCINNATI, OHIO						
Molasso-Malt	22.0	23.3	5.0	5.1	12.0	10.7
ESHELMAN GRAIN, INC., COLUMBUS 16, OHIO						
Life Guard Starter and Grower Medicated	17.0	21.0	3.5	3.5	7.0	6.1
Life Guard 22% Layer	22.0	24.1	3.5	4.5	8.0	5.9
Rumen Organism Mix 32% Union Grains						
Life Guard Supplement	32.0	----	1.5	---	8.5	---
Rechecked for urea only - Satisfactory						
24% Union Grains Life Guard Feed	24.0	24.7	2.5	---	10.0	---
Rechecked for protein only - Satisfactory						
24% Union Grains Life Guard Dairy Feed	24.0	27.2	2.5	---	10.0	---
Rechecked for protein only - Satisfactory						
Special 24% Union Grains Life Guard Dairy Feed	24.0	26.0	2.5	2.8	10.0	9.0
Special 24% Union Grains Life Guard Dairy Feed	24.0	25.2	2.5	2.7	10.0	7.3
** 16% Union Grains Life Guard Dairy Feed	16.0	16.1	2.5	3.3	12.0	7.9**
Contained mixed screenings						
Clover Bloom Dairy Feed	16.0	16.5	2.5	3.0	15.0	8.2
Rumen Organism Mix Lifeguard Calf Starter	17.0	17.8	2.5	3.1	11.0	6.5
Crusader Horse Feed	9.0	8.5	2.5	2.9	10.0	7.1
Crusader Horse Feed	9.0	9.3	2.5	2.5	10.0	5.5
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA						
Red Rose Laying Mash	20.0	23.1	4.0	4.2	5.0	5.3
Red Rose 24% Dairy Feed	24.0	25.1	2.5	2.5	9.5	7.7
Red Rose 40% Hog Supplement	40.0	42.0	3.5	4.4	10.0	6.8
RedRose Hog Meal	16.0	18.0	3.5	3.6	8.0	6.3
EVANS MILLING COMPANY, INDIANAPOLIS, INDIANA						
Emco Hominy Feed	10.0	11.0	5.0	5.6	7.0	4.3

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
EWING MILL COMPANY, BROWNSTOWN, INDIANA Triple-R Dog Food	25.0	25.4	6.0	8.1	5.0	2.6
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE						
** Golden Gain 16% Dairy Feed	16.0	15.7	3.0	<u>2.0</u>	15.0	<u>16.1**</u>
** Scotchman's Sweet Feed	9.0	11.5	2.0	<u>1.4</u>	20.0	<u>18.9**</u>
"Famous Brand" 40% Hog Supplement	40.0	44.0	2.0	3.5	7.0	5.1
FARM CHEF FEEDS, COLUMBUS, OHIO Kracker-Jack 20% Laying Mash	20.0	22.2	3.0	3.7	8.5	6.6
FARMERS ELEVATOR COMPANY, FRANKLIN, KENTUCKY Ground Barley Oats & Milo Very much below guaranty in protein	12.0	<u>9.8</u>	3.5	<u>2.8</u>	9.5	4.2
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY						
Feeders Friend Poultry Mixer Contained poultry feathers	36.0	40.8	3.1	3.1	5.5	5.5
Feeders Friend 20% H. E. Broiler Finisher Medicated	20.0	22.8	5.0	4.8	3.0	2.8
Feeders Friend Sweet 16% Dairy	16.0	16.7	2.5	3.5	10.0	6.0
Feeders Friend Pig Starter Medicated	22.0	24.0	2.0	2.9	3.0	2.5
Feeders Friend Pig Starter Medicated Rechecked for arsenic acid only Satisfactory	22.0	----	2.0	---	3.0	---
Feeders Friend Hog Finisher, Medicated	12.0	12.9	3.0	3.7	5.0	2.6
FARMERS FEED & SUPPLY, ARLINGTON, KENTUCKY						
Farmers Laying Mash	20.0	22.4	2.5	4.1	8.0	3.8
Farmers 16% Dairy Feed Microscopic analysis only - Unsatisfactory	16.0	----	2.5	---	10.0	---
Farmers 16% Dairy Feed Microscopic analysis only - Satisfactory	16.0	----	2.5	---	10.0	---
FARMERS FEED STORE, CENTRAL CITY, KENTUCKY						
Green River Brand 16% Dairy Feed Microscopic analysis only - Unsatisfactory	16.0	----	3.0	---	15.0	---
Green River Brand 16% Dairy Feed Microscopic analysis only - Unsatisfactory	16.0	----	3.0	---	15.0	---
FARMERS & MERCHANTS MILLING COMPANY, BROOKSVILLE, KENTUCKY						
F & M 16% Dairy Feed	16.0	16.3	3.0	3.6	10.0	6.6
** Mixed Feed	14.5	<u>13.9</u>	3.0	3.5	8.0	5.3**
Mixed Feed	14.5	<u>14.3</u>	3.0	3.6	8.0	5.7
** Mixed Feed	14.5	<u>13.6</u>	3.0	3.6	8.0	5.3**
FARMERS MILLING COMPANY, SOMERSET, KENTUCKY						
Spotlight 20% Egg Mash	20.0	21.1	3.0	3.0	7.0	5.4
Farmers Scratch Feed Contained unground weed seeds	8.0	9.3	3.0	2.7	3.0	2.3
** Farmers 16% Mixed Feed	16.0	<u>15.3</u>	3.0	3.9	10.0	7.3**
Farmers 16% Mixed Feed	16.0	<u>16.5</u>	3.0	3.4	10.0	7.4
Farmers 16% Mixed Feed Rechecked for microscopic analysis and protein - Satisfactory	16.0	16.6	3.0	---	10.0	---
Farmers 16% Mixed Feed Rechecked for protein only - Satisfactory	16.0	16.8	3.0	---	10.0	---
Farmers X X X Stock Feed	12.5	12.1	2.0	3.8	15.0	9.2
Farmers Hog Feed	14.0	15.6	4.0	3.9	8.0	8.3

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
FARMERS SUPPLY COMPANY, BEAVER DAM, KENTUCKY						
Farmer's Check-R-Mix Growing Feed (All Mash) Sj	17.0	16.7	3.0	3.7	7.0	3.8
Farmer's Check-R-Mix Laying Feed (All Mash) SA	16.0	16.1	3.0	3.3	6.0	3.4
FARMERS SUPPLY COMPANY, SPRINGFIELD, KENTUCKY						
Check-R-Mix Dairy Feed	16.0	19.5	2.5	4.4	10.0	5.9
1.48 excess non protein nitrogen from urea						
Check-R-Mix Dairy Feed	16.0	18.0	2.5	3.0	10.0	5.4
0.98% excess non protein nitrogen from urea						
FARMERS UNION MILL, VERSAILLES, KENTUCKY						
Mixed Feed	13.0	14.6	4.5	4.8	8.5	5.7
Mixed Feed	13.0	14.5	4.5	6.1	8.5	5.9
J. H. FEDDERS, INC., COVINGTON, KENTUCKY						
Fedco 16% Dairy Feed	16.0	17.6	2.5	2.6	15.0	9.1
Fedco Horse Feed	10.0	10.5	2.5	3.3	9.0	6.8
FERNCLIFF FEED & GRAIN COMPANY, LOUISVILLE, KENTUCKY						
Cracker Jack 20% Egg Mash	20.0	20.9	3.0	3.2	7.0	5.6
"P.D.Q." Brand Scratch Feed	8.0	8.7	3.0	3.9	5.0	2.1
"Cracker Jack Brand" 24% Protein Sweet Dairy Feed	24.0	27.4	3.0	3.1	10.0	7.3
"Cracker Jack Brand" 24% Protein Sweet Dairy Feed	24.0	27.7	3.0	2.9	10.0	6.9
P.D.Q. 16% Dairy Feed	16.0	20.4	2.5	3.2	15.0	6.2
Cracker Jack Rabbit Pellets	15.0	16.8	2.0	4.5	18.0	14.6
Cracker Jack Brand 40% Pig & Hog Supplement	40.0	39.7	2.0	2.8	8.0	7.5
Cracker Jack Pig & Sow Feed	18.0	19.7	3.0	4.3	6.0	4.3
Cracker Jack Pig & Sow Feed	18.0	19.6	3.0	4.0	6.0	4.7
Cracker Jack Dog Food	25.0	30.0	5.0	8.9	5.0	3.2
Cracker Jack Hominy Feed	8.5	8.6	5.0	4.6	5.0	2.4
Cracker Jack 34% Protein Linseed Meal	34.0	34.8	0.5	1.9	9.5	9.1
FIELD PACKING COMPANY, OWENSBORO, KENTUCKY						
Field's 60% Protein Digester Tankage	60.0	60.1	10.0	---	3.0	---
Rechecked for protein only - Satisfactory						
HENRY FISCHER PACKING CO., INC., LOUISVILLE, KENTUCKY						
Mellwood Brand 60% Protein Digester Tankage	60.0	60.0	5.0	7.9	2.5	1.7
Mellwood Brand 60% Protein Digester Tankage	60.0	60.1	5.0	7.7	2.5	1.8
Mellwood Brand 60% Protein Digester Tankage	60.0	60.0	5.0	7.6	2.5	2.0
FLAMBEAU MILLING COMPANY, PHILLIPS, WISCONSIN						
Pulverized Flambo Mixed Feed Oats	10.0	12.0	4.5	4.4	15.0	13.9
Excess mixed screenings						
Pulverized Flambo Mixed Feed Oats	10.0	----	4.5	4.6	19.0	13.4
Rechecked for fat, fiber - Satisfactory						
Excess mixed screenings						
FRANCIS WHOLESALE COMPANY, PRESTONSBURG, KENTUCKY						
** Francis 18% Dairy Feed	18.0	<u>16.5</u>	2.5	5.1	12.0	7.3**
Contained corn cobs						
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY						
Producer 36% Mash Concentrate	36.0	36.1	2.5	3.3	9.0	8.2
Producer 36% Mash Concentrate	36.0	37.1	2.5	3.8	9.0	6.7
Producer 20% Starter & Grower Mash Medicated	20.0	23.4	3.2	4.5	7.0	5.3
"Producer" 20% Egg Mash	20.0	21.6	3.0	4.4	7.0	5.5
Producer 20% Egg Mash	20.0	23.1	3.0	3.9	7.0	5.6

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY (Con't)						
Producer Scratch Feed	8.0	7.9	2.5	3.2	3.0	1.8
Producer 33% Dairy Concentrate	33.0	----	2.0	---	8.0	---
Rechecked for urea only						
1.34% excess non protein nitrogen from urea						
Producer 33% Dairy Concentrate	33.0	35.5	2.0	3.1	8.0	6.0
** Producer 24% Dairy Feed	24.0	23.9	3.0	<u>2.2</u>	9.0	6.8**
Producer 24% Dairy Feed	24.0	<u>21.6</u>	3.0	2.6	9.0	6.6
Very much below guaranty in protein						
** Producer 24% Dairy Feed	24.0	<u>23.1</u>	3.0	<u>2.4</u>	9.0	5.9**
Producer 24% Dairy Feed	24.0	<u>24.0</u>	3.0	<u>2.5</u>	9.0	6.4
** Producer 24% Dairy Feed	24.0	<u>23.7</u>	3.0	<u>2.1</u>	9.0	5.2**
Producer "Special" 24% Dairy Feed	24.0	<u>21.5</u>	2.5	2.4	10.0	6.3
Very much below guaranty in protein						
** Producer "Special" 24% Dairy Feed	24.0	<u>22.0</u>	2.5	<u>1.6</u>	10.0	7.2**
Producer "Special" 24% Dairy Feed	24.0	<u>20.5</u>	2.5	<u>1.8</u>	10.0	7.8
Very much below guaranty in protein						
Producer "Special" 24% Dairy Feed	24.0	23.3	2.5	---	10.0	---
Rechecked for protein only - Unsatisfactory						
** Producer "Special" 24% Dairy Feed	24.0	<u>22.6</u>	2.5	2.5	10.0	5.9**
Producer 20% Dairy Feed	20.0	<u>22.4</u>	3.0	4.4	9.0	6.2
Producer 20% Dairy Feed	20.0	20.7	3.0	2.6	9.0	6.3
Produce" 18% Dairy Feed	18.0	21.7	3.0	3.8	9.0	6.4
Producer 16% Dairy Feed	16.0	24.0	3.0	2.6	9.0	5.5
Producer Special 16% Dairy Feed	16.0	17.4	2.5	2.2	14.0	11.6
Producer Special 16% Dairy Feed	16.0	<u>13.8</u>	2.5	---	14.0	---
Rechecked for protein only - Unsatisfactory						
Producers Special 16% Dairy Feed	16.0	15.9	2.5	2.6	14.0	9.6
Producer Horse & Mule Feed	9.0	8.6	3.5	3.2	6.0	3.9
Producer Sheep Feed	14.0	17.4	2.5	3.7	7.0	5.8
Producer Dog Food	26.0	30.1	4.3	6.2	5.0	3.6
Producer 40% Pig & Sow Supplement	40.0	44.8	2.5	3.7	8.0	5.6
Producers 40% Pig & Hog Supplement	40.0	41.2	2.5	4.3	8.0	6.1
Producer 40% Pig & Hog Supplement	40.0	41.6	2.5	4.1	8.0	6.1
Producer 18% Pig & Sow Feed	18.0	21.2	3.5	4.3	6.0	6.1
Producer 18% Pig & Sow Feed	18.0	22.0	3.5	5.6	6.0	6.5
Solvent Extracted Soybean Oil Meal	44.0	45.4	0.5	1.0	8.0	6.3
Solvent Extracted Soybean Oil Meal	44.0	45.2	0.5	0.9	8.0	7.1
FUHRER FORD MILLING COMPANY, MT. VERNON, INDIANA						
Wheat Gray Shorts and Screenings	16.0	16.1	4.0	3.7	6.0	5.6
GARDEN STREET MILL & ELEVATOR COMPANY, LOUISVILLE, KENTUCKY						
Garden 16% Protein Dairy Feed	16.0	16.2	3.0	2.8	15.0	10.3
Garden 16% Protein Dairy Feed	16.0	18.9	3.0	2.8	15.0	10.4
Garden 16% Protein Dairy Feed	16.0	17.9	3.0	2.6	15.0	14.6
Garden 16% Protein Dairy Feed	16.0	19.6	3.0	3.4	15.0	12.9
Garden 16% Protein Dairy Feed	16.0	20.8	3.0	2.8	15.0	10.0
GARRARD MILLS, LANCASTER, KENTUCKY						
** Garrard 24% Dairy Feed	24.0	<u>22.0</u>	2.5	2.7	10.0	5.7**
Garrard 24% Dairy Feed	24.0	25.6	2.5	---	10.0	---
Rechecked for protein only - Satisfactory						
"Glen Lily" Mixed Feed	12.5	<u>11.5</u>	3.5	3.6	6.0	4.0
GENERAL FOODS CORP., KANKAKEE, ILLINOIS						
Gaines Homogenized Dog Meal	25.0	26.4	6.0	6.5	5.0	4.5
GENERAL MILLS, INC., HOPKINSVILLE, KENTUCKY						
** Washburn's Gold Medal Wheat Gray						
Short and Screenings	16.0	17.1	3.5	4.5	6.0	6.5**
Contained mixed screenings						

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA						
Larro Surechick (NCB) Medicated	20.0	21.5	3.5	4.0	5.0	4.4
Larro Surelay "H-E"	20.0	21.3	3.5	4.6	5.5	4.7
Larro Sure Milk 20	20.0	21.2	3.0	3.2	9.0	7.3
Larro Surepork Complete (AGS) Medicated	15.0	17.6	3.0	2.9	6.0	5.9
Larro Surepork Complete (AGS) Medicated	15.0	18.1	3.0	3.8	6.0	4.8
Ben Hur Wheat Standard Middlings and Screenings	15.0	16.5	4.0	4.2	9.5	6.3
** Chief Hy-Protein Oat Feed	11.0	10.0	3.5	3.5	20.0	19.2**
Purity 11% Protein Oat Mill By-Product	11.0	12.2	3.5	4.3	20.0	14.7
** Purity Oat Mill By-Product	3.5	3.1	1.0	1.3	30.0	31.8**
THE GLIDDEN COMPANY, CHICAGO 39, ILLINOIS						
Soy Bean Oil Meal	44.0	46.2	0.5	1.4	7.0	5.5
EDWARD F. GOEKE SONS, EVANSVILLE 7, INDIANA						
Gay-Key 40% Protein Hog Supplement Medicated	40.0	41.2	3.0	3.6	7.0	5.7
THE GREAT A & P TEA COMPANY, BROOKLYN 22, NEW YORK						
Daily Dog Pellets	23.0	25.7	3.5	4.8	4.5	2.3
GREEN COUNTY MILLING COMPANY, GREENSBURG, KENTUCKY						
Greenco Hi-Calorie Broiler Formula Medicated	23.0	23.0	4.0	4.2	2.8	2.3
Greenco 20% Breeder Mash	20.0	20.9	2.5	4.1	6.5	5.0
** Greenco 16% Dairy Feed	16.0	17.4	2.5	2.8	8.0	8.6**
Greenco 16% Hog Feed	16.0	19.1	3.0	3.4	7.0	3.2
GWINN BROTHERS & COMPANY, HUNTINGTON, WEST VIRGINIA						
Milk Producer 24% Dairy	24.0	25.7	3.0	3.5	9.0	7.4
Milk Producer 24% Dairy	24.0	23.5	3.0	3.1	9.0	6.4
Sweet Acre 24% Dairy Feed	24.0	23.7	2.5	3.1	12.0	8.1
Make Milk 20% Dairy	20.0	20.4	3.0	4.0	9.0	6.7
Sweet Acre 16% Dairy Feed	16.0	19.1	2.5	3.7	12.0	11.2
Gwinn's Standard Middlings	15.0	15.2	3.0	4.0	7.5	6.7
THE HABINGER COMPANY, KEOKUK, IOWA						
Keokuk Brand 21% Protein Corn Gluten Feed	21.0	25.9	1.0	2.5	10.0	7.2
HALES & HUNTER COMPANY, CHICAGO 4, ILLINOIS						
Red Comb Turkey Grower	23.0	24.0	3.0	5.6	6.0	5.7
Red Comb Pioneer Wormer For Chickens, Turkeys and Hogs	20.0	20.4	3.0	5.3	5.0	4.5
Red Comb Crate Fattener	13.0	15.4	3.0	2.9	7.0	5.5
Red Comb Broiler Starter Z-3 Medicated	22.0	22.9	4.0	6.4	4.0	3.4
Red Comb Broiler Starter Z-3 Medicated	22.0	23.5	4.0	5.5	4.0	3.5
Red Comb - Medicated Sup-R-Egg Booster Pellets	22.0	22.8	3.5	5.4	6.5	5.6
Red Comb Egg Mash	20.0	21.1	3.5	4.8	6.5	6.8
Red Comb Egg Mash	20.0	20.2	3.5	5.2	6.5	5.2
Red Comb Cage Layer Ration	17.0	19.5	3.5	5.1	5.5	4.6
Red Comb Medicated Sup-Pel A	21.0	22.3	3.0	4.2	8.0	5.8
Pioneer Dairy Production 18	18.0	18.9	3.0	3.0	8.0	7.2
Pioneer Pelleted Flaked 16% Dairy	16.0	17.1	3.0	---	7.0	---
Rechecked for protein only - Satisfactory						
Pioneer Baby Pig Starter	18.0	21.4	3.5	4.3	4.0	3.2
Lucky Dog Food	25.0	26.4	7.5	7.4	6.0	3.2
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY						
"Arrow" 20% Egg Mash	20.0	21.3	3.0	4.2	7.0	6.0
Arrow "Special" 16% Dairy Feed	16.0	----	2.5	---	14.0	---
Microscopic analysis only - Satisfactory						

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY (Con't)						
Arrow "Special" 16% Dairy Feed	16.0	15.8	2.5	2.5	14.0	11.3
Arrow "Special" 16% Dairy Feed	16.0	16.7	2.5	2.7	14.0	8.4
Arrow 40% Pig & Hog Supplement	40.0	41.7	2.5	4.1	8.0	6.3
HARDIN COUNTY MILLING COMPANY, ELIZABETHTOWN, KENTUCKY						
Valley Creek Dairy Feed	16.0	17.0	3.0	3.4	10.0	7.1
** Valley Creek 37% Protein Hog Supplement	37.0	37.8	3.0	3.7	7.0	8.8**
HARDY BROTHERS MILLS, WALTON, KENTUCKY						
17% Hi-Calorie All Mash Layer	17.0	17.5	4.5	4.9	3.5	2.5
22% Hi-Calorie Egg-Mash	22.0	21.5	4.5	5.1	3.5	2.4
Hardy's Special 16% Dairy Feed	16.0	17.0	2.5	2.5	9.5	6.5
Master Sow & Pig Feed	18.0	17.5	3.0	4.0	6.0	4.8
HARE & DAY FEED MILL, COLUMBIA, KENTUCKY						
Shively's Blue Ribbon 16% Dairy	16.0	18.1	2.5	2.5	9.0	7.2
THE P. H. HARSHA MILLING COMPANY, PORTSMOUTH, OHIO						
"Harsha's Producto Brand" 20% Protein Laying Mash	20.0	23.3	3.5	4.5	8.0	5.0
** Harsha's Dixie-Sweet 16% Protein Dairy Feed	16.0	18.1	3.0	1.6	12.0	11.8**
Harsha's Dixie-Sweet 16% Protein Dairy Feed	16.0	19.9	3.0	2.5	12.0	10.0
Harsha's Producto Brand 18% Protein Pig and Hog Meal	18.0	18.2	4.0	4.7	6.0	5.1
G. M. HAYCRAFT & SON, LEITCHFIELD, KENTUCKY						
Haycraft's Hi-Calorie All Mash Breeder	17.0	17.8	4.5	5.2	4.0	3.2
Haycraft's Egg Mash	20.0	20.6	2.5	3.7	6.5	5.5
Haycraft's Breeder Mash	20.0	21.0	2.5	3.6	6.5	5.2
Haycraft's 44% Dairy Supplement	44.0	46.7	2.5	3.0	9.0	6.5
Haycraft's 20% Protein Dairy Feed	20.0	19.6	3.0	2.8	9.0	6.9
Haycraft's 16% Dairy Feed	16.0	17.6	2.5	2.6	9.0	6.5
HAYDON MILL & GRAIN COMPANY, SPRINGFIELD, KENTUCKY						
Magic Chick Starter	21.0	20.8	2.5	---	6.0	---
Rechecked for protein only - Satisfactory						
Magic Pullet Grower	18.0	18.3	2.5	4.0	6.0	3.4
** Magic Broiler Starter Medicated	23.0	21.5	4.0	5.4	2.6	2.1**
** Magic Broiler Starter Medicated	23.0	21.6	4.0	4.6	2.6	2.2**
** Magic Broiler Finisher Medicated	19.5	18.8	4.0	4.3	2.6	2.2**
Magic Brand 20% Laying Mash	20.0	19.5	2.5	3.9	7.0	4.3
Magic 22% Laying Mash	22.0	22.0	4.5	5.4	3.5	2.6
Magic Super All Mash Laying Mash	16.0	17.3	2.5	4.5	8.0	4.0
** Magic Brand 24% Sweet Dairy Feed	24.0	22.5	2.5	---	10.0	---**
Rechecked for protein only - Unsatisfactory						
Magic Brand 24% Sweet Dairy Feed	24.0	27.5	2.5	3.4	10.0	8.7
0.84% excess non protein nitrogen from urea						
Magic Brand 16% Sweet Dairy Feed	16.0	17.8	2.5	4.2	10.0	5.9
Magic Brand 16% Sweet Dairy Feed	16.0	17.8	2.5	6.8	10.0	5.5
Contained corn cob and shuck						
Magic 4 - 2 - 2 16% Sweet Dairy Feed	16.0	18.7	2.5	3.2	10.0	5.6
Magic Pig & Sow Feed	16.0	17.8	2.5	5.2	6.0	5.8
Magic Brand 14% Hog Fattener	14.0	18.0	2.5	6.4	7.0	6.0
Magic Sheep Feed	17.0	18.6	2.5	2.8	12.0	3.0
Magic Brand Mixed Feed	11.0	16.0	3.0	3.0	10.0	6.8
HEAVEN HILL DISTILLERIES, INC., BARDSTOWN, KENTUCKY						
Corn Distillers Dried Grains	27.0	28.1	8.0	7.8	10.0	10.0
Corn Distillers Dried Grains	27.0	27.5	8.0	7.9	10.0	9.3
Corn Distillers Dried Grains	26.0	25.5	8.0	7.9	14.0	9.1

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
DR. HEINZ COMPANY, INC., WASHINGTON C. H., OHIO						
Heinz Nu-Way All Mash Laying Ration	18.0	20.6	3.0	4.0	6.5	5.4
Century Egg Mash	18.0	21.2	2.5	4.0	8.0	7.4
Century Egg Mash	18.0	20.5	2.5	4.4	8.0	7.1
** Heinz Nu-Way 24% Dairy Feed	24.0	<u>19.9</u>	3.0	2.6	9.5	8.7**
Very much below guaranty in protein						
HELMERS & BERRY FEED COMPANY, INC., OWENSBORO, KENTUCKY						
Check-R-Mix 20% Laying Mash A	20.0	21.3	3.0	4.6	8.0	4.4
Check-R-Mix Laying Feed (All Mash) C	15.0	19.0	3.0	4.6	7.0	4.3
HERNING'S MILL, HAZEL, KENTUCKY						
Herning's Special Brand Crushed Ear Corn and Shuck	7.0	8.0	3.0	3.3	11.0	6.5
HICKMAN COUNTY FEED MILL, CLINTON, KENTUCKY						
Standard Brand 16% Protein Dairy Feed	16.0	15.6	2.5	---	10.0	---
Rechecked for protein only - Satisfactory						
Standard Brand 17% Protein Pig and Sow Feed	17.0	21.4	3.0	3.1	6.0	5.2
HOME MILLING COMPANY, GREENVILLE, KENTUCKY						
** Happy Home 24% Dairy Feed	24.0	<u>22.4</u>	4.0	<u>2.7</u>	8.0	7.6**
Rechecked for microscopic analysis, protein and fat - Unsatisfactory						
** Happy Home 16% Sweet Dairy Feed	16.0	16.0	2.5	3.0	15.0	10.6**
Contained unground weed seeds						
** Happy Home 16% Sweet Dairy Feed	16.0	----	2.5	---	15.0	---**
Microscopic analysis only - Unsatisfactory						
Contained excess corn cobs						
** Happy Home 16% Sweet Dairy Feed	16.0	----	2.5	---	15.0	---**
Microscopic analysis only - Unsatisfactory						
Contained excess corn cobs						
** Happy Home 16% Sweet Dairy Feed	16.0	16.3	2.5	<u>1.5</u>	15.0	14.3**
Contained mixed screenings						
** Champion 17% Protein Pig & Sow Meal	17.0	19.7	4.0	6.2	6.0	<u>7.1**</u>
Champion 17% Protein Pig & Sow Meal	17.0	18.8	4.0	5.4	6.0	6.5
Champion Brand Mixed Feed	11.0	15.1	3.3	3.2	5.9	4.8
HOPKINSVILLE MILLING COMPANY, HOPKINSVILLE, KENTUCKY						
"Life Cycle Brand" 18% Protein Poultry Mash	18.0	20.0	3.5	3.8	7.0	7.0
Sunflower Brand 26% Protein Dairy Feed	26.0	27.3	2.5	3.1	12.0	10.1
Sunflower Brand Pig Starter	16.0	17.3	3.0	3.4	6.0	6.2
Wheat Bran & Screenings	14.5	16.5	3.8	3.5	10.0	9.8
44% Solvent Extracted Soybean Oil Meal	44.0	46.8	.5	---	7.0	---
Rechecked for protein only - Satisfactory						
HORSE CAVE MILLS, HORSE CAVE, KENTUCKY						
Superior Brand Mixed Feed	12.0	----	3.0	---	8.5	---
Microscopic examination only						
Contained large amount of ground corn cockle						
IGLEHEART BROTHERS, EVANSVILLE, INDIANA						
Wheat Gray Shorts with Screenings	14.0	15.3	3.5	4.5	6.0	3.2
Wheat Shorts with Screenings	15.0	15.3	3.5	3.9	7.0	4.8
(Low Protein) Wheat Gray Shorts with Screenings						
Mill Run Wheat Feed with Screenings	14.0	16.0	3.5	4.2	6.0	5.1
Mill Run Wheat Feed with Screenings	15.5	16.7	4.0	4.4	9.5	6.5
ILLINOIS CEREAL MILLS, INC., PARIS, ILLINOIS						
Hominy Feed	10.0	11.0	5.0	7.7	6.0	4.8

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
J. F. IMBS MILLING COMPANY, BELLEVILLE, ILLINOIS Charm Wheat Gray Shorts with Screenings	16.0	16.8	4.0	4.2	6.0	6.2
JACKSON COTTON OIL MILL, JACKSON, TENNESSEE						
** Bell Cow Brand 41% Protein Cottonseed Meal	41.0	<u>39.7</u>	5.0	6.7	13.0	10.0**
** Bell Cow Brand 41% Protein Cottonseed Meal	41.0	<u>39.4</u>	5.0	6.2	13.0	12.8**
** Bell Cow Brand 41% Protein Cottonseed Meal	41.0	<u>40.0</u>	5.0	---	13.0	----**
Rechecked for protein only - Unsatisfactory						
** Bell Cow Brand 41% Protein Cottonseed Meal	41.0	<u>40.2</u>	5.0	---	13.0	----**
Rechecked for protein only - Unsatisfactory						
KANSAS FLOUR MILLS COMPANY, KANSAS CITY 13, MISSOURI Wheat Bran with Screenings	14.5	17.5	3.5	3.9	11.0	8.9
KECO MILLING COMPANY, MC KENZIE, TENNESSEE						
Keco Starting Mash	20.0	22.9	3.0	4.9	7.0	4.3
Keco Hen Scratch	9.0	9.0	2.0	3.2	5.0	1.9
Keco 16% Dairy	16.0	16.2	2.5	<u>1.5</u>	15.0	14.5
Contained oat hull feed, mixed screenings and cottonseed hulls						
** Keco 40% Hog Supplement	40.0	39.8	4.0	4.1	8.0	<u>9.5**</u>
Keco 40% Hog Supplement	40.0	----	4.0	4.9	8.0	<u>9.0</u>
Rechecked for fiber only - Unsatisfactory						
KELLER HAY & GRAIN COMPANY, NEWPORT, KENTUCKY Big K Pig & Sow Ration	16.0	----	3.5	4.8	6.0	<u>7.2</u>
Rechecked for fiber only - Unsatisfactory						
KENTUCKY ANIMAL BY-PRODUCTS COMPANY, INC., RUSSELLVILLE, KENTUCKY						
** Blue Ribbon Brand 60% Protein Tankage and Poultry By-Product Meat	60.0	<u>57.3</u>	8.0	16.5	3.0	2.0**
Very much below guaranty in protein						
** Blue Ribbon Brand 60% Protein Tankage and Poultry By-Product Meal	60.0	<u>55.8</u>	8.0	---	3.0	----**
Rechecked for protein only - Unsatisfactory						
** Blue Ribbon Brand 50% Tankage and Bone Meal	50.0	53.0	10.0	17.3	3.0	2.3**
Contained feather meal						
KENTUCKY BY-PRODUCTS CORP., LOUISVILLE, KENTUCKY						
** Dri-Molasses	10.0	10.2	0.8	1.7	8.0	6.8**
Below guaranty in sugar						
** Dri-Molasses	10.0	----	0.8	---	8.0	----**
Rechecked for sugar only - Unsatisfactory						
Dri-Molasses	10.0	----	0.8	---	8.0	---
Rechecked for sugar only - Satisfactory						
Dri-Molasses	10.0	10.1	0.8	1.8	8.0	8.2
** Brewer's Dried Grains	22.0	<u>21.2</u>	6.0	7.7	18.0	15.1**
KENTUCKY CHEMICAL INDUSTRIES, INC., CINCINNATI 32, OHIO						
"K-C" Special 50% Meat & Bone Scraps	50.0	51.3	4.0	5.9	4.0	2.5
"K-C" Special 50% Meat & Bone Scraps	50.0	50.0	4.0	7.4	4.0	2.3
F. W. KIBLER MILLING COMPANY, MT. ORAB, OHIO						
Kibler 34% Dairy Supplement	34.0	34.8	3.0	3.0	12.0	8.1
** Kibler 40% Hog Supplement	40.0	40.9	3.0	<u>2.2</u>	8.0	8.1**
KNIFLEY FEED & SUPPLY, ELKHORN, KENTUCKY						
** Elk Brand 24% Dairy	24.0	25.7	2.5	2.6	10.0	6.2**
1.64% excess non protein nitrogen from urea						
Elk Brand 24% Dairy	24.0	24.8	2.5	2.5	10.0	4.9
Elk Brand 20% Dairy	20.0	21.2	2.5	2.8	9.0	4.7
Elk Brand 20% Dairy	20.0	22.4	2.5	3.2	9.0	7.6

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
KNIFLEY FEED & SUPPLY, ELKHORN, KENTUCKY (Con't)						
Elk Brand 16% Dairy with Urea	16.0	18.6	3.0	3.4	10.0	6.7
Elk Brand 16% Dairy Yellow Tag	16.0	17.6	2.5	3.0	15.0	9.1
Elk Brand 16% Dairy Yellow Tag	16.0	17.7	2.5	3.1	15.0	7.7
Elk Brand 16% Dairy Yellow Tag	16.0	17.2	2.5	2.6	15.0	7.3
Elk Brand 16% Dairy Yellow Tag	16.0	18.9	2.5	3.3	15.5	9.5
H. C. KNOKE & COMPANY, CHICAGO 50, ILLINOIS						
Barley Feed	12.0	13.0	3.0	3.8	16.0	9.1
LA CROSSE MILLING COMPANY, COCHRANE, WISCONSIN						
Premium Pulverized White Oats	11.0	11.7	4.0	3.8	13.0	12.7
LAKE COUNTY OIL MILL, TIPTONVILLE, TENNESSEE						
Prime Quality Solvent Extracted 41% Protein Cottonseed Meal	41.0	41.0	0.5	0.4	14.0	12.6
Prime Quality Solvent Extracted 41% ** Protein Cottonseed Meal	41.0	<u>37.3</u>	0.5	0.4	14.0	12.8**
Very much below guaranty in protein						
LAND-O'-LAKES CREAMERIES, INC., MINNEAPOLIS 13, MINNESOTA						
Pro-Creep "Ten-20"	20.0	19.7	8.0	----	3.0	---
Rechecked for protein only - Satisfactory						
LAUHOFF GRAIN COMPANY, DANVILLE, ILLINOIS						
Vermillion Hominy Feed	9.0	10.2	5.0	5.8	6.0	4.8
Vermillion Hominy Feed	9.0	11.2	5.0	5.7	6.0	5.3
LEXINGTON ROLLER MILLS, INC., LEXINGTON, KENTUCKY						
Thoroughbred 24% Protein Sweet Dairy Feed	24.0	27.3	2.5	2.4	8.0	8.3
Thoroughbred 24% Protein Sweet Dairy Feed	24.0	25.1	2.5	2.1	8.0	7.6
Thoroughbred 24% Protein Sweet Dairy Feed	24.0	26.3	2.5	2.1	8.0	5.7
Thoroughbred 24% Protein Sweet Dairy Feed	24.0	27.0	2.5	3.2	8.0	7.8
Sweet Sue 24% Protein Sweet Dairy Feed	24.0	24.9	2.5	2.5	15.0	11.5
Thoroughbred 16% Protein Sweet Dairy Feed	16.0	20.2	2.5	2.9	10.0	7.3
Sweet Sue 16% Protein Sweet Dairy Feed	16.0	16.8	2.5	2.5	15.0	15.0
Sweet Sue 16% Protein Sweet Dairy Feed	16.0	16.5	2.5	2.5	15.0	14.7
** Sweet Sue 16% Protein Sweet Dairy Feed	16.0	17.5	2.5	2.1	15.0	<u>15.7</u> **
Contained excess corn cobs and shucks						
** Sweet Sue 16% Protein Sweet Dairy Feed	16.0	----	2.5	<u>1.8</u>	15.0	<u>16.8</u> **
Rechecked for fiber and microscopic analysis only - Unsatisfactory						
Contained corn cobs						
** Bossie Brand Stock Feed	13.0	<u>12.4</u>	3.0	2.9	11.0	7.4**
Suzy Q Brand Stock Feed	10.0	11.1	2.5	3.5	15.0	15.0
Thoroughbred Pig & Hog Ration "16"	16.0	16.6	3.0	3.8	6.0	5.1
Thoroughbred Special Horse & Mule Feed	9.0	9.0	3.0	3.3	6.0	4.0
Dog and Puppy Crumbles	24.0	23.8	6.0	6.0	5.0	4.2
LEWISBURG ROLLER MILLS, LEWISBURG, KENTUCKY						
Coon Range Economy Brand 20% Laying Mash	20.0	20.9	3.5	3.4	8.0	5.0
Coon Range Economy Brand 20% Laying Mash	20.0	21.5	3.5	3.3	8.0	5.0
Milk Maid Sweet 16% Dairy	16.0	16.4	2.5	---	10.0	---
Rechecked for protein only - Satisfactory						
Economy Brand 16% Dairy Feed	16.0	----	2.5	---	15.0	---
Microscopic analysis only - Satisfactory						
** Coon Range Brand 40% Protein Hog Supplement	40.0	<u>37.7</u>	3.5	<u>2.9</u>	7.5	7.3**
Very much below guaranty in protein						
** Coon Range Brand 40% Protein Hog Supplement	40.0	<u>38.8</u>	3.5	3.4	7.5	6.8**
Coon Range Pork Maker	16.0	17.4	2.5	3.3	8.0	5.2
LINCOLN FARM SERVICE, STANFORD, KENTUCKY						
Sweet 16% Dairy Feed	16.0	15.7	2.5	3.1	8.0	6.0

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
LOFTON'S MILL, PROVIDENCE, KENTUCKY						
** Lofton's Veri-Best 16% Laying All Mash	16.0	14.8	3.0	3.7	5.0	3.1**
Lofton's Veri-Best 16% Laying All Mash	16.0	15.6	3.0	---	5.0	---
Rechecked for protein only - Satisfactory						
Lofton's Veri-Best 20% Laying Mash	20.0	20.0	3.0	3.3	7.0	3.8
Lofton's Beef Cattle Feed	11.0	12.2	2.0	1.6	17.0	12.1
Lofton's Special Hog Feed	15.0	14.6	2.5	4.3	8.0	2.3
LYNN GROVE FEED & SEED COMPANY, LYNN GROVE, KENTUCKY						
** More Pep 20% Protein High Energy Growing Ration Medicated	20.0	----	3.0	3.2	4.0	4.6**
Rechecked for fiber - Unsatisfactory						
Wheat Mixed Feed	14.0	16.3	3.5	3.7	8.0	6.4
MAGIC FEED MILLS, PAOLI, INDIANA						
** Magic 24% Protein Dairy Feed	24.0	32.8	2.5	1.2	15.0	15.0**
** Magic 24% Protein Dairy Feed	24.0	28.8	2.5	1.5	15.0	9.5**
Magic Dog Food	25.0	30.8	4.0	5.8	5.0	3.0
Magic Dog Food	25.0	29.0	4.0	6.1	5.0	2.9
MARKIN FEED COMPANY, IRONTON, OHIO						
Markin 16% Milk Maker	16.0	16.4	2.5	4.0	15.0	13.4
MARION MILLING COMPANY, MARION, OHIO						
Cloverleaf Wheat Middlings and Screenings	14.0	16.5	3.0	3.6	9.0	4.6
MARTHA WHITE MILLS OF WEST VIRGINIA, HUNTINGTON, WEST VIRGINIA						
** Fortune 24% Dairy Feed	24.0	22.5	2.5	2.7	10.0	6.0**
MAYES-HELM & CAYLE, PERRYVILLE, KENTUCKY						
** 16% Dairy Feed	16.0	15.0	2.5	2.3	15.0	8.7**
Contained unground weed seeds						
MAYFIELD MILLING COMPANY, MAYFIELD, KENTUCKY						
Double "M" Chick Startena	20.0	22.5	3.5	---	6.0	---
Rechecked for protein only - Satisfactory						
** Double "M" Cage Layer Mash Medicated	17.0	----	5.0	4.1	5.0	4.0**
Rechecked for fat only - Unsatisfactory						
Double "M" All-Mash Laying Ration	16.0	15.5	3.0	5.1	7.0	6.8
** Double "M" 24% Dairy Feed	24.0	23.0	3.0	2.1	12.0	9.3**
** Double "M" Horse & Mule Feed	10.0	9.0	2.5	3.0	14.0	12.5**
** Double "M" Rabbit Pellets	15.0	----	3.0	3.2	10.0	17.6**
Rechecked for fiber only - Unsatisfactory						
MAYFIELD SWEET FEED MILL, MAYFIELD, KENTUCKY						
State Leader 18% Protein Laying Mash	18.0	18.5	3.0	4.0	7.0	4.8
State Leader Horse & Mule Feed	9.0	9.4	2.0	3.5	8.0	5.3
State Leader 20% Protein Pig Starter	20.0	21.5	2.5	2.2	3.0	3.1
MC CAULEY BROS. SEED COMPANY, VERSAILLES, KENTUCKY						
** Ground Corn & Molasses	7.0	7.8	3.5	2.4	3.0	7.8**
Very much above guaranty in fiber						
Contained corn cobs and mixed screenings						
** McCauley's 16% Dairy	16.0	15.6	2.5	2.1	15.0	7.9**
Contained unground weed seeds and corn cobs						
MC MILLEN FEED MILLS, FORT WAYNE, INDIANA						
Master Mix Hi-Calorie Poult Starter (17-B) Medicated	28.0	30.7	4.0	4.2	4.0	3.4
Master Mix Chick Starter 21 A Medicated	20.0	----	3.5	---	5.0	---
Rechecked for Nicarbazin only						
Satisfactory						

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
MC MILLEN FEED MILLS, FORT WAYNE, INDIANA (Con't)						
Master Mix Chick Starter (21-A) Medicated	20.0	22.3	3.5	4.5	5.0	4.5
Master Mix Egg Mash	20.0	21.0	2.5	5.1	7.0	6.4
Master Mix Egg Mash	20.0	22.6	2.5	3.4	7.0	5.5
Master Mix Egg Mash	20.0	21.1	2.5	3.6	7.0	5.8
Master Mix Egg Formula	22.0	22.7	4.5	5.9	3.5	3.4
** Master Mix Sweet 16% Dairy	16.0	----	2.5	2.0	15.0	18.5**
Rechecked for fiber only. Very much above guaranty.						
Master Mix Sweet 16% Dairy	16.0	21.2	2.5	2.3	15.0	13.7
** Master Mix Sweet 16% Dairy	16.0	----	2.5	2.3	15.0	16.7**
Master Mix Sweet 16% Dairy	16.0	19.5	2.5	2.4	15.0	14.3
Master Mix Sweet 16% Dairy	16.0	16.5	2.5	1.5	15.0	14.8
Master Mix Bulky Feed	10.0	11.5	1.5	2.4	15.0	15.5
Master Mix Complete Calf - Mix	17.5	20.5	3.0	3.4	8.0	6.5
Master Mix Horse Feed	10.0	12.2	3.0	3.8	9.0	6.2
Master Mix Complete Rabbit Pellets	15.0	17.3	2.0	2.8	16.0	13.1
Master Mix Baby Pig Creep (51B) Medicated	20.0	22.3	5.0	5.0	2.5	1.1
Master Mix Pig-Ets (52 A) Medicated	17.0	18.7	3.5	6.2	3.5	3.2
Master Mix Pig Wormer (31A)	15.0	17.1	3.0	3.5	5.5	4.5
MC REDMOND BROTHERS, NASHVILLE, TENNESSEE						
Meat & Bone Scrap	50.0	50.8	8.0	10.1	3.0	2.0
MIDDLESBORO MILLING COMPANY, MIDDLESBORO, KENTUCKY						
Hard to Beat Feed	13.0	14.1	3.5	3.6	8.0	5.4
MIDGET MILL, SOMERSET, KENTUCKY						
White Rose 24% Dairy Feed	24.0	27.5	3.0	3.5	10.0	6.0
White Rose 18% Pig & Sow Feed	18.0	21.8	3.0	4.9	6.0	3.7
MINNESOTA LINSEED OIL COMPANY, MINNEAPOLIS 21, MINNESOTA						
34% Protein Solvent Extracted Linseed Oil Meal	34.0	35.6	0.5	1.3	10.0	8.6
THE MOORE-LOWRY FLOUR MILLS COMPANY, KANSAS CITY 6, MISSOURI						
Wheat Gray Shorts with Screenings	16.0	18.3	3.5	3.9	6.0	5.9
MORGANTOWN FEED MILL, MORGANTOWN, KENTUCKY						
Flavo Brand 17% Protein Growing Mash	17.0	18.6	2.5	3.9	6.5	4.5
** Flavo 40% Protein Hog Supplement	40.0	46.5	4.0	2.3	7.5	5.1**
Flavo Brand Hog Fattener	15.0	17.2	2.5	3.5	8.0	4.4
MT. VERNON MILLING COMPANY, MT. VERNON, INDIANA						
Sunlite Hominy Feed	10.0	10.3	5.0	6.3	6.0	4.4
Sunlite Hominy Feed	10.0	11.4	5.0	6.3	6.0	4.6
MULLICAN FEED MILL, STANLEY, KENTUCKY						
Best Yet Brand Egg Mash	20.0	20.0	2.5	4.1	6.5	5.3
MUNFORDVILLE MILLING COMPANY, MUNFORDVILLE, KENTUCKY						
Purity Brand 20% Protein Laying Mash	20.0	20.9	2.5	3.4	7.0	5.7
Purity Brand 18% Protein Pig & Sow Feed	18.0	18.1	3.0	3.6	6.0	4.9
MURPHY GRAIN & MILLING COMPANY, OWENSBORO, KENTUCKY						
Airolite Hominy Feed	10.0	----	6.0	6.3	6.0	4.5
Rechecked for fiber only - Satisfactory						
MYERS & CLARK COMPANY, INC., ASHLAND, KENTUCKY						
Myers Special 24% Dairy Feed	24.0	20.7	2.5	2.7	12.0	5.1
Very much below guaranty in protein						
Ideal Brand 18% Protein Laying Mash	18.0	19.0	3.0	4.5	8.0	6.8

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
MYERS & CLARK COMPANY, INC., ASHLAND, KENTUCKY						
Ideal Brand 20% Protein Laying Mash	20.0	21.7	3.0	5.2	8.0	7.8
My Choice Brand 20% Laying Mash	20.0	20.6	3.0	5.5	8.0	4.8
Ideal Brand 17% Protein Hog & Pig Feed	17.0	17.7	3.0	5.4	8.0	6.5
NASHVILLE COTTON OIL MILL CORP., NASHVILLE, TENNESSEE						
** 41% Protein Solvent Extracted Cottonseed Meal	41.0	41.3	0.5	0.5	14.0	14.7**
** 41% Protein Solvent Extracted Cottonseed Meal Rechecked for fiber only - Unsatisfactory	41.0	----	0.5	0.9	14.0	15.1**
** 41% Protein Solvent Extracted Cottonseed Meal Very much above guaranty in fiber	41.0	38.6	0.5	0.8	14.0	17.3**
NATIONAL BISCUIT COMPANY, TOLEDO, OHIO						
Namico Wheat Middlings with Screenings	14.0	15.6	3.0	4.3	9.0	6.4
Milk-Bone Brand Dog Biscuits	22.0	24.0	5.0	5.3	2.5	2.5
NATIONAL OATS COMPANY, EAST ST. LOUIS, ILLINOIS						
Corno Dog Food	24.0	28.4	4.0	5.3	5.0	3.5
Red-3 Ground Oat By-Product	10.0	10.3	3.5	3.8	18.0	18.2
Red-3 Reground Oat Mill By-Product	3.5	4.1	1.0	1.3	32.0	30.1
THE NEUMOND COMPANY, ST. LOUIS, MISSOURI						
Neumond's Corn Distillers Dried Grain Not Registered	25.0	26.8	5.0	8.9	16.0	10.6
THE NEW ERA MILLING COMPANY, ARKANSAS CITY, KANSAS						
Polar Bear Wheat Gray Shorts with Screenings	16.0	17.9	4.0	4.0	6.0	5.3
Polar Bear Wheat Gray Shorts with Screenings	16.0	17.4	4.0	4.4	6.0	6.2
CHARLES NUNN & SONS MILLING COMPANY, EVANSVILLE, INDIANA						
Nunn-Better 17% All Mash	17.0	17.6	2.5	4.3	6.5	4.6
Nunn-Better Starter Mash Medicated	20.0	21.7	2.5	3.3	6.5	4.6
Nunn-Better 20% Egg Mash	20.0	21.5	2.5	3.4	7.0	5.6
Nunn-Better Scratch Feed	8.0	9.2	3.0	2.7	2.5	1.6
Banner Sweet 16% Dairy Feed	16.0	18.1	2.5	---	12.5	---
Rechecked for protein only - Satisfactory						
Nunn-Better Wheat Shorts with Screenings Contained mixed screenings	13.5	14.8	3.0	3.0	6.0	5.3
Nunn-Better Wheat Shorts	13.5	15.4	3.0	3.3	6.0	4.0
Nunn-Better Wheat Mixed Feed	13.5	15.9	3.0	3.4	7.0	4.3
Nunn-Better Wheat Bran	13.5	16.3	3.0	2.8	10.0	8.0
NUTRENA MILLS, INC., MINNEAPOLIS, MINNESOTA						
Nutrena Sweetflow 16 Dairy Feed (MM)	16.0	16.4	3.0	2.7	9.5	7.7
** Nutrena Sweet 6-Teen Dairy Feed (TM) Contained mixed screenings Not registered	16.0	18.4	2.0	4.3	14.0	11.4**
Nutrena Creep-20 Master Pig Starter Medicated	20.0	20.9	3.0	4.9	4.5	2.8
** Nutrena Shoat - 14 Medicated	14.0	12.9	3.5	4.0	4.5	4.1**
Nutrena 10% Hog Finisher Medicated Not registered	10.0	10.6	3.5	3.8	3.0	2.5
OHIO VALLEY SOYBEAN COOPERATIVE, HENDERSON, KENTUCKY						
Cardinal 16% Pig & Shoat Grower	16.0	21.4	3.0	3.2	5.5	4.3
Cardinal 44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.7	0.5	1.2	7.0	5.8
Cardinal Quality 44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.7	0.5	1.0	7.0	5.0
Cardinal 44% Protein Solvent Extracted Soybean Oil Meal	44.0	47.0	0.5	1.4	7.0	5.3

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
OWENSBORO GRAIN COMPANY, OWENSBORO, KENTUCKY						
OGRACO 44% Protein Solvent Extracted Soybean Oil Meal	44.0	45.8	0.5	1.3	7.0	4.7
Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.7	0.5	1.8	7.0	5.9
** Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	44.0	0.5	1.4	7.0	9.0**
Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	----	0.5	3.3	7.0	5.1
Rechecked for fiber only - Satisfactory						
Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	----	0.5	1.1	7.0	5.5
Rechecked for fiber only - Satisfactory						
OWENSBORO MILLING COMPANY, OWENSBORO, KENTUCKY						
TruTest 21% Broiler Mash Medicated	21.0	23.5	4.5	5.1	4.5	2.7
Barnyard Hen Scratch	8.3	9.9	3.0	3.2	3.0	2.2
TruTest 16% Milk Maker	16.0	16.6	4.0	4.4	10.0	7.5
Star 16½% Dairy Feed	16.5	17.7	2.5	2.8	10.0	6.8
TruTest 32% Beef Cattle Supplement	32.0	34.0	2.0	1.6	8.0	5.7
D & H Stock Feed	13.3	15.2	3.0	3.8	8.0	6.6
Sugar Lassie Dairy Feed	16.0	----	2.5	---	15.0	---
Rechecked for microscopic analysis only						
Satisfactory						
TruTest 40% Hog Supplement	40.0	41.1	3.0	4.0	8.0	5.6
TruTest 40% Hog Supplement	40.0	40.8	3.0	3.5	8.0	5.5
TruTest Pig and Sow Feed	18.0	22.5	3.0	4.2	6.0	5.2
TruTest Pig and Sow Feed	18.0	20.9	3.0	3.6	6.0	5.0
Wheat Gray Shorts with Screenings	14.5	15.2	3.5	3.7	6.0	4.1
Corn Feed Meal	9.0	8.5	4.1	3.5	3.5	3.1
PACKERS BY-PRODUCTS COMPANY, NATIONAL CITY, ILLINOIS						
Steerhead 60% Digester Tankage	60.0	59.6	5.0	5.0	3.0	2.4
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY						
** Green Valley 20% Dairy Feed	20.0	17.1	4.0	4.3	15.0	10.6**
Very much below guaranty in protein						
** Green Valley 20% Dairy Feed	20.0	18.7	4.0	4.0	15.0	11.2**
Very much below guaranty in protein						
** Green Valley 20% Dairy Feed	20.0	18.9	4.0	---	15.0	---**
Rechecked for protein only - Unsatisfactory						
** Green Valley 20% Dairy Feed	20.0	17.5	4.0	3.7	15.0	9.2**
Very much below guaranty in protein						
1.32% excess non protein nitrogen from urea						
Bell Ringer 16% Dairy Feed	16.0	20.0	3.0	4.1	15.0	11.8
** Booster 40% Hog Supplement	40.0	33.8	2.5	4.7	7.0	6.8**
Very much below guaranty in protein						
** Booster 40% Hog Supplement	40.0	36.1	2.5	4.1	7.0	6.7**
Very much below guaranty in protein						
** Green Valley 35% Hog Supplement	35.0	33.6	2.5	3.9	7.0	6.1**
Mixed Feed	11.0	11.4	4.0	4.4	8.0	5.0
Wheat Bran	14.0	14.6	3.5	3.5	9.5	9.6
PATTERSON & GUTHRIE, HARRODSBURG, KENTUCKY						
12% Dairy Feed (To be used with high protein, legume pasture, hay or ensilage)	12.0	15.6	2.5	3.2	8.0	8.1
PENNINGTON MILLING COMPANY, PENNINGTON GAP, VIRGINIA						
Red Bird Scratch Feed	8.0	----	2.0	---	7.0	---
Microscopic analysis only - Satisfactory						
PHILIP R. PARK, INC., SAN PEDRO, CALIFORNIA						
Mixing Manamar	24.0	28.3	3.0	3.4	10.0	6.0

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
PEMBROKE ROLLER MILLS, PEMBROKE, KENTUCKY						
Mixed Feed	14.5	<u>13.6</u>	3.5	---	7.5	---
Rechecked for protein only - Unsatisfactory						
Mixed Feed	14.5	14.1	3.5	3.1	7.5	4.3
PIERCE & WILLIAMS, HOPKINSVILLE, KENTUCKY						
Pierce & Williams' Check-R-Mix Laying Feed	16.0	18.2	2.5	4.5	8.0	4.1
Pierce & William's Check-R-Mix 16% Dairy Feed DR	16.0	18.1	2.5	2.7	10.0	6.7
Pierce & Williams' Check-R-Mix 16% Dairy Feed DR	16.0	16.6	2.5	2.7	10.0	7.7
Check-R-Mix Pig Starter (D) 3AB Medicated	16.0	18.9	2.5	3.3	6.0	4.1
Check-R-Mix Sow & Pig Feed B	16.0	17.4	3.0	3.9	6.0	4.4
Check-R-Mix Hog Grower H	14.0	15.0	2.5	2.5	6.0	4.1
PILLSBURY MILLS, INC., CLINTON, IOWA						
Pillsbury's Best Chick Grower	18.0	19.4	3.0	3.8	7.0	6.2
Pillsbury's Best Starter & Grower (F1) Rechecked for protein only - Satisfactory	18.0	18.0	3.0	---	6.5	---
Pillsbury's Champion Egg Producer	20.0	21.4	3.0	3.9	8.0	7.9
Pillsbury's Best Medicated 4X Suppletive Poultry	22.0	23.6	3.0	3.7	7.0	7.2
Pillsbury's Best 20% Dairy Feed	20.0	21.2	2.5	2.8	9.0	6.2
Pillsbury's Best 20% Dairy Feed	20.0	22.9	2.5	2.6	9.0	5.9
Pillsbury's Best 20% Dairy Feed	20.0	22.0	2.5	2.8	9.0	5.6
Pillsbury's Best 16% Dairy Feed	16.0	18.2	2.5	2.7	9.0	5.0
Pillsbury's Best 16% Dairy Feed	16.0	20.3	2.5	3.1	9.0	6.1
Pillsbury's Best Dairiettes	16.0	17.1	2.5	3.0	9.5	5.7
** Pillsbury's Best 20% Cattle Cubes Very much below guaranty in protein	20.0	<u>17.3</u>	2.5	4.0	10.0	6.3**
Pillsbury's Best Calf Ration	19.0	20.1	2.5	2.8	9.0	7.6
Pillsbury's Best Horse Breeder Special	11.0	13.6	2.5	3.0	9.0	6.0
Pillsbury's Best Pig Feast (HA8) Medicated	18.0	19.6	3.0	4.1	5.5	2.6
Pillsbury's Best Sow Ration	15.0	16.0	3.0	5.8	8.0	6.2
** Pillsbury's Best Sow Ration	15.0	<u>14.4</u>	3.0	3.8	8.0	6.3**
Pillsbury's Best Sow Ration Rechecked for protein - Satisfactory	15.0	16.0	3.0	---	8.0	---
Pillsbury's Best Sow Ration Rechecked for protein only - Satisfactory	15.0	17.3	3.0	---	8.0	---
Pillsbury's Best Pig Feast (H A8) Medicated	18.0	20.4	3.0	4.7	5.5	3.1
Pillsbury's Best Pig Feast Medicated	20.0	20.0	3.0	3.5	3.5	2.4
Pillsbury's Best Dog Food	24.0	26.1	5.0	7.4	4.5	3.5
Pillsbury's Best Dog Food	24.0	28.1	5.0	6.3	4.5	3.5
Pillsbury's Wheat Gray Shorts	16.0	18.5	3.5	4.9	6.0	6.1
Pillsbury's Wheat Gray Shorts	16.0	18.5	3.5	4.8	6.0	5.1
Pillsbury's Soft Wheat Mixed Feed with Screenings	13.5	16.1	3.0	4.3	9.5	7.4
Pillsbury's Wheat Standard Middlings with Screenings	15.0	17.6	4.0	4.0	9.5	7.4
PROVICO FEEDS & CONCENTRATES, CINCINNATI, OHIO						
Chlortetracycline, Oxytetracycline and Furazolidine Mix in Provico S F	20.0	20.0	3.5	5.4	4.0	2.8
PUBLICKER INDUSTRIES, INC., PHILADELPHIA 2, PENNSYLVANIA						
Paco Molasses Distillers Dried Solubles	12.0	16.7	0.5	0.3	5.0	3.9
PURCELL SEED COMPANY, INC., EVANSVILLE, INDIANA						
Purcell's 20% Laying Mash Rechecked for protein only - Satisfactory	20.0	20.3	2.5	---	7.0	---
Purcell's Poultry Ration	18.0	17.6	3.0	3.8	5.0	3.9
** Purcell's Pig & Sow Ration Rechecked for protein only - Satisfactory	20.0	<u>19.3</u>	3.5	---	6.0	-----

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS						
** Ful-O-Pep Super Broiler Concentrate (A1) L Medicated	43.0	43.3	10.0	8.9	3.5	2.0**
** Ful-O-Pep Super Broiler Pre-Starter (AG 2) L	26.0	26.5	8.0	7.0	3.0	5.4**
Ful-O-Pep Chick Starter	20.0	21.6	4.0	4.3	6.5	5.0
Ful-O-Pep Growing Mash (L)	19.0	19.4	3.5	3.7	8.0	5.9
Ful-O-Pep Egg Mash	20.0	20.4	3.0	8.4	8.0	8.3
Ful-O-Pep Sweet 16 Dairy	16.0	----	2.5	---	15.0	---
Rechecked for urea only - Satisfactory						
** Ful-O-Pep Sweet 16 Dairy Feed (L)	16.0	16.5	2.5	1.9	15.0	11.4**
Ful-O-Pep Milking Feed (L)	16.0	16.9	2.5	3.4	8.5	5.4
Ful-O-Pep Dry & Freshening Feed	12.0	14.2	3.0	6.8	10.0	8.7
Ful-O-Pep 40% Cattle Concentrate	40.0	36.6	0.8	1.3	12.0	12.2
Very much below guaranty in protein						
Quaker Horse & Mule Feed	9.0	9.6	2.5	3.3	11.0	8.8
Ful-O-Pep Hog Supplement	36.0	37.0	1.5	2.3	10.0	7.8
Ful-O-Pep Pig-N-Sow Feed (L)	18.0	20.0	3.0	3.7	8.0	6.8
Ful-O-Pep Pig-N-Sow Feed (L)	18.0	18.9	3.0	3.0	8.0	7.1
Ful-O-Pep Pig-N-Sow Ration	16.0	16.6	3.5	5.4	6.0	6.3
Ful-O-Pep Pig Starter (K) M Medicated	18.0	18.0	2.5	4.1	5.0	4.4
Ful-O-Pep Gro-Pork (280-K) L Pellets	16.0	17.9	2.5	3.7	5.0	3.5
Ful-O-Pep Gro-Pork (280-K) L	16.0	18.0	2.5	3.3	5.0	3.3
Ful-O-Pep Gro-Pork (280-K) Medicated	16.0	18.7	2.5	3.6	5.0	2.9
Ken-L Treats Bite Size Dog Biscuits	23.0	24.9	4.0	4.4	3.0	1.9
White Hominy Feed	10.0	11.9	4.5	4.5	5.5	5.4
Mislabeled - This is ground barley instead of hominy feed						
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI						
Purina Turkey Growena SQ Medicated	20.0	21.0	4.5	4.8	6.0	5.8
Purina Turkey Growena	20.0	22.4	4.5	4.8	6.0	5.4
Purina Chick Growena NC Medicated	17.0	19.3	3.0	3.8	7.0	6.1
Purina Broiler Chow Starter 3 NC Medicated	23.0	24.6	4.5	4.7	4.0	3.2
Purina Broiler Chow Starter 3 NC Medicated	26.0	----	8.0	---	4.0	---
Rechecked for nicarbazin - Satisfactory						
** Purina Broiler Chow Starter (B) 3NC Medicated	26.0	25.0	8.0	8.9	4.0	4.3**
Purina Broiler Chow Starter (B) 3NC Medicated	26.0	28.2	8.0	9.1	4.0	3.9
Purina Broiler Chow Finisher 3NC Medicated	20.0	21.4	4.5	6.2	3.0	2.9
Purina Cage Layena (Complete Ration)T	16.0	16.1	3.5	5.5	5.0	3.5
Purina Super Cage Layena (Complete Ration)	17.0	18.0	7.0	7.8	4.5	3.6
Purina Super Cage Layena (Complete Ration)	17.0	17.5	7.0	7.4	4.5	3.8
Purina Super Cage Layena (Complete Ration)	17.0	18.2	7.0	7.8	4.5	3.4
Purina Super Cage Layena (Complete Ration)	17.0	18.2	7.0	7.8	4.5	3.4
Purina Layena T (Complete Ration)	16.0	15.6	3.5	4.5	6.0	4.4
Purina Layena (Complete Ration)	16.0	18.3	3.5	4.7	6.0	5.1
Purina Layena (Complete Ration)	16.0	16.9	3.5	3.6	6.0	4.2
Purina Layena (Complete Ration)	16.0	16.5	3.0	3.9	7.0	4.7
Purina Eggena T Checker-etts	16.0	17.1	3.0	4.6	7.0	5.6
Purina Eggena	16.0	16.4	3.0	4.3	7.0	6.0
Purina Eggena	21.0	22.6	3.5	4.8	6.5	5.9
Purina Lay Chow	21.0	22.2	3.5	4.4	6.5	5.6
Purina Lay Chow	23.0	23.5	4.0	4.3	5.0	5.1
Purina Breeder Lay Chow E	24.0	24.9	2.5	4.2	8.0	5.3
Purina Poultry Booster Chow	24.0	25.0	2.5	3.6	8.0	5.1
Purina Poultry Booster Chow T	24.0	26.8	3.5	3.9	8.0	5.9
** Purina 18% Dairy Chow F	18.0	21.4	2.5	1.6	15.0	11.7**
Purina 18% Dairy Chow F	18.0	----	2.5	1.3	15.0	14.4
Rechecked for fat only - Unsatisfactory						
Purina 18% Dairy Chow	18.0	----	2.5	2.5	15.0	9.8
Rechecked for fiber only - Satisfactory						
Purina 18% Dairy Chow	18.0	----	2.5	2.1	15.0	14.8
Rechecked for fiber only - Satisfactory						
Dairy Chow 18	18.0	19.8	2.5	2.1	15.0	12.3
Purina 18% Dairy Chow	18.0	----	2.5	1.9	15.0	13.6
Rechecked for fat only - Unsatisfactory						
Purina 18% Dairy Chow	18.0	----	2.5	2.4	15.0	10.1

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI						
Purina 18% Dairy Chow	18.0	----	2.5	1.8	15.0	11.4
Rechecked for fat only - Unsatisfactory						
Purina 18% Dairy Chow	18.0	18.9	2.5	2.5	15.0	12.5
Purina 18% Dairy Chow	18.0	19.8	2.5	2.4	15.0	11.6
** Purina 18% Dairy Chow	18.0	18.7	2.5	1.7	15.0	12.2**
Purina Milk Chow	16.0	17.3	2.5	2.5	10.0	6.3
Purina Milk Chow	16.0	17.4	2.5	2.6	10.0	7.1
Purina Milk Chow	16.0	16.8	2.5	2.4	10.0	6.8
Purina Milk Chow	16.0	17.3	2.5	3.2	10.0	8.3
Purina Bulky Las	10.0	16.0	1.5	2.0	15.0	11.4
Purina .0011% Diethylstilbestrol Mix in Purina Steer Fatena 32%	32.0	32.7	2.0	2.2	10.0	6.9
Purina .0011% Diethylstilbestrol Mix in Purina Steer Fatena 1 32%	32.0	35.7	2.0	1.9	10.0	6.2
Purina .0022% Diethylstilbestrol Mix in Purina Steer Fatena 1 32%	32.0	32.6	2.0	3.2	10.0	4.7
** Purina Steer Fatena	32.0	<u>30.0</u>	2.0	2.0	10.0	5.9**
Purina Steer Fatena 32%	32.0	32.2	2.0	2.1	10.0	6.1
Purina Steer Fatena (k) 20%	20.0	21.2	2.5	3.5	10.0	4.8
Purina Range Checkers A	20.0	23.0	2.5	3.1	10.0	6.8
Purina Range Checkers A	20.0	23.3	2.5	2.5	10.0	6.3
** Purina Range Checkers A	20.0	23.0	2.5	2.9	10.0	7.0**
0.20% excess non protein nitrogen from urea						
** Purina Beef Chow I	32.0	<u>29.9</u>	1.5	2.8	8.0	6.4**
Very much below guaranty in protein						
Purina Creep Chow (For Beef Calves)	13.0	14.2	2.0	3.4	6.0	4.9
Purina Creep Chow (For Beef Calves) T	13.0	14.5	2.0	3.4	6.0	4.1
Purina Calf Startena	19.5	21.9	2.5	3.4	8.5	7.6
Purina Calf Startena	19.5	22.0	2.5	3.4	8.5	7.7
Purina Calf Startena T	19.5	19.2	3.0	3.5	8.0	7.2
Fat Calf Chow	14.0	16.2	2.5	2.9	8.0	6.1
Purina Omolene	10.0	10.5	3.0	3.4	9.0	7.2
Purina Omolene	10.0	10.1	3.0	3.2	9.0	6.6
Purina Pig Startena Special Medicated	18.0	19.7	4.0	5.1	6.0	3.0
Purina Pig Startena Special Medicated	18.0	21.8	4.0	5.4	6.0	3.1
Purina Baby Pig Chows 1 Medicated	18.0	----	4.0	7.1	3.0	2.2
Rechecked for fat and fiber only						
Satisfactory						
Purina Baby Pig Chow Medicated	18.0	----	4.0	4.5	3.0	2.2
Rechecked for fat and fiber only						
Satisfactory						
Purina Complete Sow & Pig Chow	16.0	18.6	2.5	2.7	6.0	4.5
Purina Hog Fatena Medicated	14.0	16.2	2.5	4.3	7.0	6.2
Purina Hog Fatena Medicated	14.0	23.5	2.5	3.6	7.0	3.8
Purina Pig Wormer	18.0	20.2	4.9	4.4	6.0	3.1
Purina Rabbit Chow Checkers (Complete Ration)	15.0	17.8	2.0	3.4	18.0	13.3
New Purina Dog Food	24.0	----	7.0	9.0	3.0	2.7
Recheck for fat only - Satisfactory						
New Purina Dog Chow	24.0	----	7.0	10.8	3.0	2.8
Rechecked for fat only - Satisfactory						
New Purina Dog Chow	24.0	----	7.0	7.3	3.0	2.6
Rechecked for fat only - Satisfactory						
New Purina Dog Chow	24.0	----	7.0	7.5	3.0	3.1
Rechecked for fat only - Satisfactory						
New Purina Dog Chow	24.0	25.1	7.0	7.0	3.0	2.8

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
REELFOOT ALFALFA MILL, TIPTONVILLE, TENNESSEE						
** 17% Alfalfa Meal - Dehydrated Very much below guaranty in protein and high in fiber	17.0	14.0	1.5	1.8	27.0	<u>32.9</u> **
** 17% Alfalfa Meal - Dehydrated	17.0	<u>15.6</u>	1.5	2.5	27.0	<u>28.9</u> **
** 17% Alfalfa Meal - Dehydrated Rechecked for fiber only - Unsatisfactory	17.0	----	1.5	2.5	27.0	<u>28.0</u> **
17% Alfalfa Meal - Dehydrated Rechecked for fiber only - Satisfactory	17.0	----	1.5	2.6	27.0	25.8
RENFRO SUPPLY COMPANY, WILLIAMSBURG, KENTUCKY						
** Renfro 16% Dairy Feed	16.0	<u>14.0</u>	2.5	2.5	14.0	10.2**
Renfro 16% Dairy Feed	16.0	<u>18.9</u>	2.5	2.7	14.0	8.7
ROBERTS BROTHERS, BURLINGTON, KENTUCKY						
Unique 18% Protein Egg Mash	18.0	20.1	3.0	3.4	7.0	5.9
Unique 18% Protein Dairy Feed Rechecked for fat only - Satisfactory	18.0	----	3.0	3.8	11.0	6.7
ROBBINS BROTHERS, AUBURN, KENTUCKY						
** Hominy Feed	10.0	10.0	7.0	<u>6.4</u>	8.0	6.6**
** Hominy Feed	10.0	9.6	7.0	<u>6.3</u>	8.0	6.3**
ROBINSON MILLING COMPANY, INC., SOMERSET, KENTUCKY						
Green Valley 24% Dairy Feed	24.0	25.9	3.0	3.7	14.0	7.7
** Green Valley 24% Dairy Feed 0.70% excess non protein nitrogen from urea	24.0	26.8	3.0	5.2	14.0	10.8**
Happy Home 16% Sweet Dairy Feed Microscopic analysis only Excess corn cobs	16.0	----	3.0	---	15.0	---
Jersey Mixed Feed	13.0	14.6	4.5	5.4	9.0	8.1
G. P. ROSE & COMPANY, NASHVILLE, TENNESSEE						
Rose's Triumph Dog Food	24.0	26.9	8.0	9.8	4.0	3.8
ROSS FEED COMPANY, MURRAY, KENTUCKY						
Standard Brand 20% Laying Mash	20.0	22.5	3.5	4.2	8.0	6.4
Crate Fattener Ration	15.0	16.2	4.0	5.4	6.0	5.2
RUSSELL GRAIN COMPANY, HILLARDS, OHIO						
** Russell's 262 Brand 24% Dairy Feed Very much below guaranty in protein	24.0	<u>20.5</u>	2.5	2.2	15.0	10.8**
** Russell's 24% Dairy Feed Rechecked for protein only - Unsatisfactory	24.0	<u>20.7</u>	2.5	---	10.0	---**
** Russell's 262 Brand 24% Dairy Feed Rechecked for protein and microscopic analysis - Unsatisfactory	24.0	<u>21.5</u>	2.5	---	15.0	---**
** Russell's 262 Brand 16% Dairy Feed Contained unground weed seeds	16.0	20.3	2.5	2.4	15.0	8.0**
RYDE & COMPANY, CHICAGO 50, ILLINOIS						
Ryde's Flaked Dog Food	25.0	25.7	4.0	4.2	4.5	3.5
Ryde's Flaked Dog Food	25.0	27.8	4.0	4.6	4.5	3.3
SAM RYLE, BURLINGTON, KENTUCKY						
R & H 18% Protein Dairy Feed	18.0	19.5	3.0	3.5	10.0	7.4
SCHENLEY DISTILLERS, INC., FRANKFORT, KENTUCKY						
24% Protein Corn Distillers Dried Grains	24.0	26.5	5.0	9.0	14.0	9.3

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
J. F. SCHNEIDER & SONS, INC., MIDDLESBORO, KENTUCKY Cudjo 48% Tankage (Micro only - Satisfactory)	48.0	----	6.0	---	2.5	---
THE SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI						
** Gristo Cage Complete Egg Pellets	18.0	18.6	3.0	3.3	4.5	5.5**
Gristo Hog Finisher Pellets	12.0	13.2	3.5	3.7	6.5	4.4
** Gristo Oat Base Grain Sweet Feed Contained unground weed seeds	9.0	8.9	3.0	3.1	10.0	7.9**
SIKESTON COTTON OIL MILL, INC., SIKESTON, MISSOURI						
** Sikeston Ground 41% Protein Cottonseed Meal	41.0	<u>39.7</u>	3.0	2.9	14.0	13.5**
J. ALLEN SMITH & COMPANY, KNOXVILLE, TENNESSEE Peerless Brand Feed	14.0	16.0	3.5	3.2	8.5	7.4
SMITH PACKING COMPANY, NASHVILLE 3, TENNESSEE						
** Smith's Meat Scraps Very much below guaranty in protein	55.0	<u>49.0</u>	5.0	---	5.0	----**
** Smith's Meat Scrap	55.0	<u>54.0</u>	5.0	7.5	5.0	1.9**
THE SOUTHERN COTTON OIL COMPANY, SHEFFIELD, ALABAMA Sco-Co 41% Protein Cottonseed Meal	41.0	40.7	3.0	5.8	14.0	13.2
SOUTHERN STATES CRITTENDEN COOPERATIVE, INC., MARION, KENTUCKY 40% Hog Producer	40.0	43.0	3.5	4.3	5.0	4.6
SOUTHERN STATES HOPKINSVILLE COOPERATIVE, HOPKINSVILLE, KENTUCKY 40% Hog Booster	40.0	41.3	3.5	4.2	5.0	4.3
** Ground Barley	12.0	<u>9.2</u>	2.0	1.8	6.0	5.3**
SOUTHERN STATES LAGRANGE COOPERATIVE, LAGRANGE, KENTUCKY 16% Custom Dairy	16.0	19.2	3.0	4.2	10.0	7.9
SPEARS-KISER COMPANY, PARIS, KENTUCKY 15% Protein Sheep Feed	15.0	18.7	3.5	3.1	9.0	7.1
STALEY MILLING COMPANY, KANSAS CITY 16, MISSOURI						
Pig Mama Medicated Pig & Sow Feed	20.0	20.9	2.5	2.9	6.0	5.8
Staley Hog Uncles Complete Hog Feed	15.0	18.2	2.5	4.0	8.0	6.6
Medicated Chick Spicer Atoms	22.0	23.0	2.5	4.1	7.0	5.6
A. E. STALEY MANUFACTURING COMPANY, DECATUR, ILLINOIS						
Staley's Growing Mash	18.0	21.4	2.5	3.3	8.0	6.7
** Staley's 30% Beef Concentrate 1.45% excess non protein nitrogen from urea	30.0	----	1.5	---	8.0	----**
Staley's Calf Concentrate Pellets	24.0	25.7	1.5	2.4	9.0	6.2
Staley's Hog Wormer Pellets with 0.5% Sodium Flouride	16.0	19.0	2.5	3.0	4.5	4.2
Vitality Body Builder Dog Food	26.0	27.2	6.0	8.2	4.5	2.5
Staley's Rabbit Pellets	16.0	16.0	2.0	3.1	14.0	13.0
STEWART'S FEED MILL, FLAT LICK, KENTUCKY Stewart's 16% Dairy Feed	16.0	17.4	2.5	2.9	10.0	7.6
STURGIS MILLING COMPANY, STURGIS, KENTUCKY						
** Neva-Fail 34% Poultry Concentrate Very much above guaranty in fiber	34.0	36.0	3.5	3.2	7.0	<u>10.3**</u>
Neva-Fail 34% Poultry Concentrate Rechecked for fiber only - Unsatisfactory	34.0	----	3.5	3.2	7.0	<u>10.0</u>
Neva-Fail Brand 20% Starting Mash	20.0	22.6	2.5	3.1	7.0	6.2
Neva-Fail Brand 18% Protein All Mash Laying Ration	18.0	20.3	3.5	4.6	7.0	7.2
Neva-Fail Vim Brand 21% Egg Mash Rechecked for fiber only - Satisfactory	21.0	----	2.5	3.8	6.5	6.3
** Neva-Fail Scratch Feed	8.0	9.2	3.5	2.4	4.0	1.9**
** Neva-Fail Brand 16% Protein Dairy Feed	16.0	15.8	3.0	<u>2.1</u>	14.0	8.7**
** Happy's 40% Hog Supplement Rechecked for protein only - Unsatisfactory	40.0	<u>39.2</u>	3.0	---	8.0	----**

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
STURGIS MILLING COMPANY, STURGIS, KENTUCKY						
** Happy's 20% Pig & Sow Meal	20.0	22.0	3.0	3.2	6.0	6.9**
Ground Ear Corn	8.0	7.8	3.5	3.1	8.0	5.6
SUN RAY FEED MILLS, BOWLING GREEN, KENTUCKY						
** Sun-Ray 20% Protein Laying & Breeder Mash	20.0	----	4.0	4.6	6.0	6.6**
Rechecked for fiber only - Unsatisfactory	18.0	18.8	3.5	5.3	7.0	6.2
Booster Brand 18% Protein Laying Mash	24.0	23.8	4.0	3.6	10.0	6.8
Sun-Ray 24% Sweet Dairy Feed	16.0	15.5	3.5	4.0	10.0	6.5
Sun-Ray 16% Protein Dairy Feed	16.0	17.2	3.0	---	15.0	---
Green Valley 16% Dairy Feed	16.0	17.2	3.0	---	15.0	---
Rechecked for protein only - Satisfactory	16.0	17.5	3.5	4.0	9.0	9.4
Booster Brand 16% Stock Feed	18.0	17.2	4.0	5.9	7.0	6.6**
** Booster Brand 18% Protein Pig & Hog Feed	18.0	17.2	4.0	---	7.0	---
** Booster Brand 18% Protein Pig & Hog Feed	18.0	17.2	4.0	---	7.0	---
Rechecked for protein only - Unsatisfactory	18.0	17.1	4.0	4.7	7.0	4.7**
** Booster Brand 18% Protein Pig & Hog Feed	18.0	18.2	4.0	5.2	7.0	5.3
Booster Brand 18% Protein Pig and Hog Feed	18.0	18.2	4.0	5.2	7.0	5.3
SUN RAY FEED MILLS, LEXINGTON, KENTUCKY						
Sun Ray 20% Egg Mash	20.0	22.1	3.5	4.3	7.0	5.8
Sun Ray 20% Egg Mash	20.0	21.6	3.5	4.5	7.0	5.8
Sun Ray Egg Mash Pellets	20.0	20.6	4.9	3.8	6.0	6.0
Booster 20% Laying Mash	20.0	22.7	3.0	4.7	7.0	5.9
Green Valley 24% Dairy Feed	24.0	24.2	2.5	---	10.0	---
Rechecked for protein only - Satisfactory	24.0	24.7	2.5	3.8	10.0	5.0
Green Valley 24% Dairy Feed	16.0	17.8	2.5	4.2	10.0	6.1
Green Valley 16% Dairy Feed	16.0	17.0	2.5	2.8	10.0	5.8
Green Valley 16% Dairy Feed	16.0	17.6	3.0	2.8	15.0	8.5**
** Kow Kandy 16% Dairy Feed	16.0	17.6	3.0	2.8	15.0	8.5**
Contained corn cobs	16.0	21.5	2.5	3.2	10.0	6.0**
** Sugar Creek 16% Dairy Feed	16.0	21.5	2.5	3.2	10.0	6.0**
0.86 excess non protein nitrogen from urea	14.0	22.2	2.5	2.7	17.0	7.6**
** Sun-Ray 14% Steer Feed	14.0	22.2	2.5	2.7	17.0	7.6**
1.40% excess non protein nitrogen from urea	14.0	13.8	3.5	3.7	8.0	4.5**
** Booster Stock Feed	14.0	13.8	3.5	3.7	8.0	4.5**
Contained unground weed seeds	17.0	17.7	3.5	3.8	6.0	5.5
Sun-Ray Pig & Hog Ration	10.0	9.2	5.0	4.3	6.0	3.8**
** Sun-Ray Hominy Feed	10.0	9.2	5.0	4.3	6.0	3.8**
SUNSHINE BISCUITS, INC., GRAFTON, OHIO						
UMC Wheat Middlings with Screenings	14.0	17.0	3.5	4.2	9.5	6.7
SUPREME MILLS, GLASGOW, KENTUCKY						
Supreme Brand H.E. 20% Protein Laying Mash	20.0	21.1	3.5	3.9	5.5	4.0
Supreme Brand H. E. 20% Protein Laying Mash	20.0	19.5	3.5	4.2	5.5	3.4
** Supreme 45% Dairy Concentrate	45.0	53.4	2.0	3.7	9.0	5.6**
1.25% excess non protein nitrogen from urea	45.0	50.7	2.0	3.3	9.0	5.8**
** Supreme 45% Dairy Concentrate	45.0	50.7	2.0	3.3	9.0	5.8**
1.26% excess non protein nitrogen from urea	45.0	----	2.0	---	9.0	----
** Supreme 45% Dairy Concentrate	45.0	----	2.0	---	9.0	----
Rechecked for urea only - Unsatisfactory	45.0	47.3	2.0	3.2	9.0	4.6
Supreme 45% Dairy Concentrate	24.0	24.3	2.5	3.7	12.5	7.9
Premo Brand 24% Dairy Feed	20.0	20.7	3.5	3.2	10.0	8.4
Supreme Special 20% Protein Dairy Feed	16.0	17.5	2.5	3.6	10.0	7.5
Supreme Special 16% Dairy Feed	16.0	16.2	2.5	3.7	10.0	8.0
Supreme Special 16% Dairy Feed	16.0	16.2	2.5	3.7	10.0	8.0
Supreme Special 16% Dairy Feed	16.0	----	2.5	3.3	10.0	6.9
Rechecked for fiber only - Satisfactory	40.0	43.4	3.0	3.7	7.0	6.0
Premo Brand 40% Protein Hog Supplement	40.0	39.6	3.5	6.7	8.0	5.0
Drummer Boy 40% Hog Supplement	9.0	----	5.0	4.4	7.0	5.4
Premo Brand Hominy Meal	9.0	----	5.0	4.4	7.0	5.4
Rechecked for fat only - Unsatisfactory	9.0	9.0	5.0	4.1	7.0	5.7**
** Premo Brand Hominy Meal	9.0	9.0	5.0	4.1	7.0	5.7**
Supreme Brand 41% Protein Expeller Extracted Soybean Oil Meal	41.0	41.2	3.5	4.8	7.0	5.7

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
D. B. SUTHERLAND & SONS, BLOOMFIELD, KENTUCKY						
Kentucky Star Special 24% Dairy Feed	24.0	24.4	2.5	2.4	10.0	5.4
Kentucky Star Special 24% Dairy Feed	24.0	24.7	2.5	2.8	10.0	5.1
Kentucky Star Special 24% Dairy Feed	24.0	26.2	2.5	3.1	10.0	4.4
Sutherland's 40% Hog Supplement	40.0	42.4	3.0	4.2	9.0	6.1
Kentucky Star 15% Protein Hog Feed	15.0	----	3.5	---	7.0	---
Microscopic analysis only - Satisfactory						
Kentucky Star Brand Farm Feed	13.5	15.6	3.5	3.0	8.0	4.4
** Kentucky Star Brand Farm Feed	13.5	16.0	3.5	2.9	8.0	4.3**
Kentucky Star Brand Farm Feed	13.5	16.3	3.5	3.2	8.0	5.5
N R C 28% Dog Feed	28.0	32.3	5.0	6.2	6.0	3.7
SWEET FEED MILLS, INC., BOWLING GREEN, KENTUCKY						
Good Fresh 20% Protein Laying Mash	20.0	21.7	2.5	3.6	8.0	6.1
** Fresh Good 16% Dairy Feed	16.0	18.1	2.5	2.0	10.0	7.2**
Contained unground weed seeds						
** Freshgood 16% Dairy Feed	16.0	15.8	2.5	2.7	10.0	7.7**
Contained unground weed seeds						
** Good Fresh Hog Fat	14.0	15.3	4.0	3.0	8.0	6.2**
Contained unground weed seeds and oat hull feed						
** Goodfresh Hog Fat	14.0	14.1	4.0	2.3	8.0	3.6**
Contained unground weed seeds						
SWIFT AND COMPANY, CHICAGO, ILLINOIS						
Swift's Sulfaquinoxaline Mixture mixed with Swifts Chick Starter	20.0	21.8	5.5	6.7	6.5	4.6
Swift's Poultry Grower Medicated	18.0	24.2	5.5	5.6	7.5	6.2
Swift's Broiler Ration Ky. Medicated	22.0	23.3	6.0	6.4	4.5	3.5
Swift's Broiler Finisher N Medicated	19.0	20.6	6.0	6.5	4.5	2.8
Swift Broiler Ration Medicated	22.0	21.8	6.0	7.1	4.5	3.4
Swift's Medicated Hi-Aide Ration	22.0	----	5.0	5.0	7.0	5.4
Rechecked for fat only - Satisfactory						
Swift's Cottonseed Meal	41.0	42.5	2.5	3.3	13.0	10.7
Swift's 41% Solvent Extracted Cottonseed Meal or Pellets	41.0	43.7	2.0	2.2	14.0	10.5
Swift's 42% Protein Expeller Soybean Oil Meal or Pellets	42.0	44.6	2.5	2.8	7.0	6.0
TABOR HATCHERY & BUILDING SUPPLY, COLUMBIA, KENTUCKY						
32% Dairy Concentrate	32.0	32.5	2.0	2.3	7.0	6.5
Tabor 16% Dairy Feed	16.0	16.8	2.5	2.2	10.0	8.4
** Tabor 16% Dairy Feed	16.0	17.3	2.5	3.3	10.0	7.4**
Contained corn shuck						
TARTER'S FEED MILL, LIBERTY, KENTUCKY						
Sur-Good Brand 16% Sweet Dairy Feed	16.0	----	2.5	---	10.0	---
Microscopic analysis only - Satisfactory						
TAYLOR COUNTY IMPLEMENT & FEED COMPANY, CAMPBELLSVILLE, KENTUCKY						
Economy Brand 16% Dairy Feed	16.0	17.0	2.5	3.3	10.0	6.2
THURMOND'S MILL, MURRAY, KENTUCKY						
Thurmond's Ground Corn	8.0	----	3.5	3.5	4.0	2.2
Rechecked for fat only - Satisfactory						
Crushed Ear Corn and Shuck	7.0	6.8	3.0	2.6	11.0	8.1
Crushed Ear Corn and Shuck	7.0	6.7	3.0	2.8	11.0	7.0
** Crushed Barley	12.0	10.1	2.0	1.8	6.0	5.6**
Crushed Oats	11.0	11.1	4.0	4.8	12.0	9.6

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
TILFORD & WALTERS MILL, METROPOLIS, ILLINOIS						
Masco 20% Turkey Grower	20.0	21.9	3.0	4.1	7.0	4.6
Masco Medicated 21% Protein Booster Krums	21.0	22.8	3.0	4.2	4.0	4.5
Profit Maker 20% Protein Layer	20.0	23.0	2.5	4.3	8.0	4.5
Profit Maker Brand 18% Laying Mash	18.0	19.4	3.0	3.5	7.0	4.6
40% Protein Hog Supplement	40.0	39.8	2.5	4.7	8.0	5.8
Masco 33% Protein Pig Starter Concentrate	33.0	33.8	2.5	2.5	5.0	4.8
Masco 20% Pig & Sow Feed	20.0	22.9	3.0	4.0	6.0	6.2
Masco 14% Protein Shoat Grower Medicated	14.0	14.6	3.0	4.2	4.0	2.6
Masco 12% Protein Hog Finishing Ration Medicated	12.0	15.5	3.0	4.1	4.0	2.9
Masco 16% Pig Starter Medicated	16.0	18.7	3.5	3.9	5.0	2.9
** Masco Pig Pre-Starter Medicated for Swine only	20.0	20.6	4.0	<u>3.2</u>	4.0	2.8**
Masco 1 Day Worm Expeller Pig & Hog Feed	16.0	19.8	3.0	<u>3.8</u>	4.5	4.0
Masco Rabbit Ration	17.0	21.0	3.0	3.4	15.0	7.5
Masco Dog Food	25.0	24.7	4.5	6.0	4.0	3.4
Screened Cracked Corn	8.0	8.4	3.5	4.3	3.0	1.8
TRENTON COTTON OIL COMPANY, TRENTON, TENNESSEE						
Trenton Brand 41% Protein Cottonseed Meal	41.0	40.8	4.0	4.5	14.0	14.3
Trenton Brand 41% Protein Cottonseed Meal	41.0	43.0	4.0	4.5	14.0	10.0
Trenton Brand 41% Protein Cottonseed Meal	41.0	40.6	4.0	4.0	14.0	10.4
** Trenton Brand 41% Protein Cottonseed Meal	41.0	<u>40.0</u>	4.0	4.7	14.0	12.1**
TRENTON MILLING COMPANY, TRENTON, ILLINOIS						
Easter Lily Wheat Gray Shorts and Screenings	16.0	17.1	4.0	4.1	6.0	6.0
TRI-STATE MILLS, KENOVA, WEST VIRGINIA						
24% Daisy Dairy Feed	24.0	23.7	2.5	3.3	12.0	9.1
C. F. VISSMAN & COMPANY, LOUISVILLE, KENTUCKY						
Vissman's 60% Protein Digester Tankage	60.0	61.6	6.0	8.2	3.0	1.9
Vissman's 60% Protein Digester Tankage	60.0	60.0	6.0	8.0	3.0	1.0
Vissman's 50% Protein Ground Meat Scrap	50.0	----	6.0	---	3.0	---
Microscopic analysis only - Satisfactory						
Vissman's 50% Protein Ground Meat Scraps	50.0	55.6	6.0	8.5	3.0	1.2
WEISENBERGER FLOUR MILLS, MIDWAY, KENTUCKY						
Mixed Feed	14.0	14.6	4.0	4.6	10.5	6.4
Repeater Rabbit Pellets	15.0	15.7	2.8	4.0	15.0	9.7
THE WEBER FLOUR MILLS COMPANY, SALINA, KANSAS						
Webers Wheat Bran & Ground Wheat Screenings	14.5	17.7	3.5	3.7	11.0	8.8
RALPH WELLS & COMPANY, MONMOUTH, ILLINOIS						
Wells Pure Old Process Soybean Oil Meal	41.0	42.2	4.0	9.6	7.0	5.5
WEST NINTH STREET MILL, OWENSBORO, KENTUCKY						
Ravor Brand Growing Mash	17.0	17.7	2.5	3.7	6.0	4.6
Custom Dairy	16.0	15.8	2.5	2.7	9.0	8.9
** Ravor Calf Feed	15.0	<u>14.0</u>	2.5	2.7	8.5	5.4**
Ravor Hog Ration	12.0	13.1	2.5	3.0	6.0	3.9
** Ravor Cracked Corn	8.0	8.1	3.5	<u>2.9</u>	3.0	1.8**
WESTERN GRAIN COMPANY, BIRMINGHAM, ALABAMA						
Jim Dandy High Energy Dog Ration	24.0	24.7	7.0	---	5.0	---
Rechecked for protein only - Satisfactory						
Jim Dandy High Energy Dog Ration	24.0	25.0	7.0	9.0	4.0	3.4
Jim Dandy High Energy Dog Ration	24.0	24.9	7.0	7.1	5.0	3.0
WEST TENNESSEE SOYA MILL, INC., TIPTONVILLE, TENNESSEE						
44% Protein Soybean Oil Meal	44.0	47.1	0.5	0.6	7.8	4.5
THE WHITEWATER FLOUR MILLS COMPANY, WHITEWATER, KANSAS						
Wheat Grey Shorts and Wheat Screenings	16.0	15.8	3.5	4.5	6.0	5.0

**Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
WILLIAMSTOWN ROLLER MILL, WILLIAMSTOWN, KENTUCKY						
Our Own 16% Protein Pig & Sow Meal	16.0	15.8	4.0	3.5	6.0	3.2
Standard Mix Dairy	16.0	16.2	2.5	3.5	10.0	5.4
Standard Mix Dairy	16.0	16.4	2.5	---	10.0	---
Rechecked for protein and urea only						
Satisfactory						
** Standard Mix Dairy	16.0	<u>14.3</u>	2.5	3.8	10.0	6.2**
Standard Mix Dairy	16.0	15.6	2.5	3.9	10.0	9.1
** Beef Cattle Feed	9.0	11.5	1.0	2.3	22.0	11.8**
Contained unground weed seeds						
Mixed Feed	13.5	13.8	3.5	3.3	8.0	4.2
WINN MILLING COMPANY, GREENSBURG, KENTUCKY						
Daisy 20% Laying Mash	20.0	23.0	3.0	3.7	8.0	6.4
Daisy 20% Dairy	20.0	19.7	2.5	---	15.0	---
Rechecked for microscopic analysis						
and protein only - Unsatisfactory						
Daisy 20% Dairy Feed	20.0	20.8	2.5	3.4	15.0	10.3
Daisy 16% Dairy Feed	16.0	18.6	2.5	2.1	10.9	<u>14.3</u>
Very much above guaranty in fiber						
Daisy 16% Protein Dairy Feed	16.0	----	2.5	---	15.0	---
Microscopic analysis only - Satisfactory						
WINN & TOBIN MILLING COMPANY, LEITCHFIELD, KENTUCKY						
Daisy 20% Protein Laying Mash	20.0	20.0	2.5	3.6	7.5	5.4
** Daisy 20% Protein Breeder Mash	20.0	<u>19.1</u>	2.5	3.8	7.5	5.0**
Daisy 18% Protein Hog Feed	18.0	18.8	4.0	4.0	7.0	5.1
WINN & TOBIN MILLING COMPANY, MARION, KENTUCKY						
Daisy Cracked Corn	8.0	8.3	3.5	3.3	3.0	1.9
Corn & Cob Meal	7.0	9.1	3.0	3.2	8.0	5.1
** Hominy Meal	10.0	9.8	7.0	<u>5.6</u>	8.0	4.2**
WOODFORD FEED COMPANY, VERSAILLES, KENTUCKY						
Big W Sheep Feed	14.0	14.0	3.0	<u>2.4</u>	7.0	4.8
0.20% excess non protein nitrogen from urea						
3-Nitro-4 Mixture Inc. in Big W						
Broiler, Starter and Grower	20.0	22.6	2.5	5.1	7.0	2.4
WOODFORD SPEARS & SONS, PARIS, KENTUCKY						
** Bourbon Special Brand Stock Feed	13.0	14.7	2.5	2.7	8.0	5.3**
Contained unground weed seeds						
YOPP SEED COMPANY, PADUCAH, KENTUCKY						
** Yopp's Hen Feed	9.0	10.9	3.0	<u>2.3</u>	3.0	2.2**
Contained unground weed seeds						

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