

Regulatory Bulletin 136

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# Commercial Feeds in Kentucky,

1956

Including Report on Official Feed  
Samples Analyzed

October-December, 1956



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Agricultural Experiment Station  
Lexington

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## GOLDEN ANNIVERSARY

The year 1956 marked the completion of 50 years of regulatory work by the Office of Feed Control of the Kentucky Agricultural Experiment Station. The state feed law became effective on June 11, 1906.

During its half-century of service to the feed industry and Kentucky farmers, the office has analyzed more than 75,000 feed samples in laboratories that rank among the best of their type in this country. Inspectors from the office call regularly on the more than 1,500 retailers of animal feeds in Kentucky, to check on the 6,000 different kinds registered for sale in the state.

The mixed feed business of 50 years ago bore little resemblance to the complicated multi-million dollar industry we know today. Trade in feeding stuffs consisted largely of such items as bran, shorts, ship-stuff, inferior grades of flour, corn meal, cottonseed meal, oil meal, gluten feed, dried distillery slops and various mixtures of ground grain. Formula feeds were unknown. Such mixtures as were sold were called "mixed feed" with occasionally "dairy" "poultry and chick", "horse" or "cow feed" appearing in the name of these products.

Today Kentucky farmers purchase an estimated 591,921 tons of mixed feeds annually, of which approximately 186,084 tons is for poultry, 96,025 tons for dairy, 59,139 tons for swine and 250,673 tons of other types of feeds. The feed control program has grown apace with this industry and is proud to have had a part in this development.

Bulletins summarizing the work of feed control have appeared regularly since the passage of this law and for the past ten years have been printed quarterly.

## COMMERCIAL FEED IN KENTUCKY, 1956

The estimated tonnage of commercial feeds consumed in Kentucky during 1956 was 591,921 tons. This was 50,385 tons more than was consumed in 1955.

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		

A summary of estimated sales by class of feed is given on page 5.

In 1956, inspectors collected 2,826 samples of feed. Out of these samples 2,198 equaled guarantee or were within tolerance; 1,471 equaled guarantee in every respect; 185 were below guarantee in protein; 109 below guarantee in fat; 113 above guarantee in fiber; 123 adulterated; 130 misbranded; 61 above guarantee in urea; 44 below guarantee in calcium; 8 below guarantee in phosphorus.

The record of samples correctly labeled in 1956 was 78%. This was 3% less than the record for 1955.

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%		

## ESTIMATED TONNAGE OF SALES BY CLASS OF FEED, KENTUCKY, 1956

MIXED FEED	TONS	STRAIGHT MATERIALS	TONS
Calf Feed	2,845	Alfalfa Products	1,357
Cattle Feed	7,783	Animal Products	11,083
Dairy Feed	96,025	Barley Products	170
Dog & Cat Feed	7,765	Brewers Products	606
Horse & Mule Feed	11,252	Corn Products	38,520
Mineral Feed	4,032	Cottonseed Products	12,538
Pig & Hog Feed	59,139	Distillers Products	2,912
Poultry Mashs	186,084	Linseed & Flax Products	259
Rabbit Feed	2,000	Molasses	17,521
Scratch Feed	16,949	Oat Products	1,581
Sheep Feed	952	Soybean Products	19,528
Stock Feed	11,764	Wheat Products	46,470
Turkey Mashs	14,879	Miscellaneous Products	6,429
Miscellaneous Mixed Feed	11,478		
Total Mixed Feed	432,947	Total Straight Material	158,974

Total Mixed Feed 432,947

Total Straight Material 158,974

Grand Total 591,921

In 1956, 591,921 tons of feed were sold in Kentucky. Of this tonnage 411,910 tons were reported on the Reporting System and 180,011 tons on the Tagging System.

### THE FEED LABEL

When buying a commercial mixed feed the purchaser should study the label carefully. The label may appear as a tag or sticker or be printed directly on the bag. Labels show the net weight, the name of the feed, name of manufacturer and address, the guaranteed analysis and ingredients. Sufficient information is given to enable the feeder to select a feed best suited to his purpose based upon the name and description of the product.

It is important that consideration be given to the makeup of the feed as stated on the tag in making a selection. Neglect in doing this may result in the purchase of a product inadequate for the purpose intended. Though such a feed may also be less costly per 100 lb., the actual feeding value may be more expensive than another feed at a higher price per 100 lb. The Kentucky Agricultural Experiment Station strives to impress upon feeders the importance of reading and studying the label when selecting a feed.

A yellow tag is required on all feed sold in Kentucky that contains a filler material such as oat hulls, ground mixed screenings, etc. The declaration of percentage of such material must be a part of the labeling. If a manufacturer wishes to print the analysis on the bag, then he must print the analysis on a yellow background, extending well beyond the printed material.

A feed manufacturer has the option of using official Kentucky tags or company tags. All tag copy must be approved by the Department of Feed and Fertilizer. Most companies doing business in several states use their own tags.

Two types of official tags are used in Kentucky. By "official" is meant tags supplied by the Kentucky Agricultural Experiment Station. A manila tag printed with red ink, is for all feeds except the yellow tag feeds. A yellow tag printed with black ink signifies that this feed contains a material of little or no feeding value as described above.

A feeder may, of course, purchase a feed relatively high in fiber though such materials are primarily useful as roughage. Usually the nutrients in feeds of this type are more costly, even at a lower price per hundred weight than when purchased in better grade feed.

NEW LABELS FOR MEDICATED FEEDS EFFECTIVE JANUARY 1, 1957

After many lengthy discussions between representatives of the Food and Drug Administration, American Feed Manufacturers Association and the Association of American Feed Control Officials, a uniform, simplified system of labeling feeds containing drugs has been developed. Two new types of labels are provided for.

The first is for use of feed containing drugs for growth promotion and/or disease prevention, and to be fed continuously as the sole ration. It features prominence of the name of the feed with subordinate classification of the term "medicated". This heading must be followed by a statement of purpose of the medication, a reference to directions for use, and declaration of name and percentage of active drug ingredients. The remainder of the label is devoted to labeling information following the customary procedure. The following sample tags should be followed in labeling feeds of this type.

**BLUE BIRD**  
**CHICK STARTER (1A)**  
Medicated

For prevention of coccidiosis. Feed continuously as the only ration.

Active Drug Ingredient (s)

Nitrophenide .....0.0125%

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Guaranteed Analysis

Crude Protein, not less than.....20%  
Crude Fat, not less than..... 4%  
Crude Fiber, not more than..... 3%

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INGREDIENTS

Corn Gluten Meal, Ground Yellow Corn, Dehulled Soybean Oil Meal, Fish Meal, Condensed Fish Solubles, Soybean Lecithin, Vitamin B-12 and Antibiotic Feed Supplement, Vitamin A Feeding Oil, Calcium Pantothenate, Niacin, Choline Chloride, Menadione, Riboflavin Supplement D-activated Animal Sterol, Butylated Hydroxy Toluene (BHT), Animal Fat (preserved with propylene glycol, butylated hydroxyanisole, propyl gallate and citric acid), Limestone, Defluorinated Phosphate, Salt, Potassium Iodide, Iron Oxide.

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

**BLUE BIRD**  
**BROILER MASH (1B)**  
Medicated

For prevention of outbreaks of coccidiosis and growth stimulation when fed as directed on reverse.

Active Drug Ingredient (s)

Nicarbazin .....0.0125%  
3-Nitro-4-Hydroxyphenyl-  
larsonic Acid..... 0.005%

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Guaranteed Analysis

Crude Protein, not less than.....20%  
Crude Fat, not less than..... 4%  
Crude Fiber, not more than..... 3%

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INGREDIENTS

Corn Gluten Meal, Ground Yellow Corn, Dehulled Soybean Oil Meal, Fish Meal, Condensed Fish Solubles, Soybean Lecithin, Vitamin B-12 and Antibiotic Feed Supplement, Vitamin A Feeding Oil, Calcium Pantothenate, Niacin, Choline Chloride, Menadione, Riboflavin Supplement D-activated Animal Sterol, Butylated Hydroxy Toluene (BHT), Animal Fat (preserved with propylene glycol, butylated hydroxyanisole, propyl gallate and citric acid), Limestone, Defluorinated Phosphate, Salt, Potassium Iodide, Iron Oxide.

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

The second new type of label is for feed containing drugs at a treatment level, to be fed as the sole ration for a limited period of time. It differs from the first in that the term "medicated" become a fixed part of the name of product and is printed in type the same size as the remainder of the brand name. Further, the term, "Medicated" should appear in the forepart of the brand name. The following is a sample tag and should be followed in labeling feeds of this kind.

**BLUE BIRD  
MEDICATED CHICK  
STARTER (2A)**

For the treatment of outbreaks of Coccidiosis in poultry flocks when fed according to directions on this label.

**Active Drug Ingredient**

Sulfaquinoxaline -----0.10%

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**Guaranteed Analysis**

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**INGREDIENTS**

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

**BLUE BIRD  
MEDICATED BROILER  
MASH (2B)**

For the treatment of fowl typhoid, pullorum and the paratyphoids and for the stimulation of feed intake and maintenance of weight gains in chicken flocks in presence of chronic respiratory disease (CRD). Feed as directed on this label.

**Active Drug Ingredient (s)**

Furazolidone -----0.011%  
Oxytetracycline -----0.05 grams per pound

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**Guaranteed Analysis**

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**INGREDIENTS**

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

The proposed changes apply to feeds that are to be fed continuously for growth promoting and disease preventing purposes and the "treatment feeds". No change is indicated in feeds which contain (1) hormone or hormone-like substances (diethylstilbestrol, for example); (2) preparations that are ordinarily considered a "single dosage treatment" such as wormers; and (3) premixes of antibiotics, coccidiostats, hormone, etc., which are sold to feed manufacturers by drug manufacturers for the former's use in the mixing of feeds.



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.

## 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 temperatures.

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 oilmeal.

Urea, when used as an ingredient in feeds sold in Kentucky is shown in the guaranteed analysis as follows: Crude Protein \_\_\_\_\_%. This included 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.

COMMERCIAL FEEDS, 1956  
AVERAGE COMPOSITION OF THE MORE COMMON FEEDSTUFFS

Feedstuff	Protein	Fat	Carbohydrate		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	4.1
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	6.9	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		Water	Ash
			Fiber	N. F. Extract		
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
Lespedeza 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-Product	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 1947-56

Feedstuff	Protein	Fat	Fiber
Activated Sewer Sludge	29.2	6.0	6.7
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	---	---
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
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 VineMeal	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
Straw Silage	6.5	3.0	19.5
Sudan Grass Silage	5.9	1.1	14.0
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	.2	1.0
Wheat Silage	4.4	1.4	22.7

## COMPANIES ON REPORTING SYSTEM, APRIL 1, 1957

Abilene Alfalfa Sales Company, Post Office Box 21, Abilene, Kansas  
Albers Milling Company, 5045 Wilshire Blvd., Los Angeles 36, California  
All-In-One Feeds, Inc., Portland, Michigan  
Allied Mills, Inc., 3400 Board of Trade Building, Chicago, Illinois  
American Crystal Sugar Company, 600 Boston Building, Denver, Colorado  
Andrews Mills, Box 44, Russellville, Kentucky  
Archer-Daniel-Midland Company, Box 356, Kansas City, Missouri  
The Arkansas City Flour Mills, Arkansas City, Kansas  
Armour & Company, Union Stock Yards, Chicago 9, Illinois  
Armour & Company, Dash Div., Union Stock Yards, Chicago, Illinois (Dog Food)  
Armour Fertilizer Works, St. Bernard Station, Cincinnati, Ohio  
Armour Fertilizer Works, 14th & Watt St., Jeffersonville, Indiana  
C. T. Ashley Company, Nicholasville, Kentucky  
Aubrey Feed Mills, Inc., 932 E. Chestnut Street, Louisville 4, Kentucky  
Aylor & Meyer Company, Third & Exporting Sts., Aurora, Indiana

Baber's Vis-Vita Sales, Inc., 208 Court St., Sioux City, Iowa  
Barry Carter Milling Company, Lebanon, Tennessee  
Barton Distilling Company, Bardstown, Kentucky  
Battle Creek Dog Food Company, 60 East State St., Battle Creek, Michigan  
Baughman Milling Company, Stanford, Kentucky (Molasses)  
Bay State Milling Company, Winona, Minnesota  
The Beardstown Mills Company, 601 E. 2nd St., Beardstown, Illinois  
Big Four Mills, Post Place & River Road, Ludlow, Kentucky  
L. A. Black, Rice Miller, De Witt, Arkansas  
Blatchford Calf Meal Company, 2 Madison Street, Waukegan, Illinois  
Blenda Life Inc., Green Isle, Minnesota  
The Borden Company-Spec. Prods. Division, 350 Madison Avenue, New York 17, New York  
The Boswell Company, Box 176 Northside Station, Atlanta 5, Georgia  
Botkins Grain & Feed Company, Botkins, Ohio  
The Brode' Corporation, 1012 Falls Building, Box 700, Memphis, Tennessee  
Brown-Forman Distillers Corporation, P. O. Box 1080, Louisville 1, Kentucky  
The Buckeye Cellulose Corporation, 301 E. 6th St., Cincinnati, Ohio  
Box 390, Corinth, Mississippi  
2782 Chelsea St., Memphis, Tennessee  
2441 Floyd St., Louisville, Kentucky  
Box 927, W. Greenwood, Mississippi  
852 Baily Avenue, P. O. Box 4073, W. Jackson, Miss.

The Buhler Mill & Elevator Company, Buhler, Kansas  
Buhner & Company, Inc., 165 North Clay Street, Louisville, Kentucky

Cadiz Milling Company, Cadiz, Kentucky  
The Carey Salt Company, B & Poplar, Hutchinson, Kansas  
Cargill, Inc., 200 Grain Exchange, Vegetable Oil Div., Minneapolis, Minnesota  
Carson Food Company, 701 Griggs Street, Box 801, Danville, Illinois  
Cashman's Leghorn Farm, Webster, Kentucky  
Central Soya Company, Decatur, Illinois  
Chelsea Milling Company, North Street, Chelsea, Michigan  
Clark Milling Company, 296 W. Water Street, Chillicothe, Ohio  
Cleveland Milling Company, Cleveland, Tennessee  
Clinton Milling Company, Inc., Clinton, Kentucky  
Clinton Foods, Inc., (Corn Processing Division) Clinton, Iowa  
Cocke & Company, 208 William-Oliver Bldg., 32 Peachtree St., Atlanta 3, Georgia  
The Colorado Milling & Elevator Company, 620 Equitable Bldg., Box 718, Denver, Colorado  
Columbian Hog & Cattle Powder Company, 1457 Genesee St., Kansas City, Missouri  
Columbus Canning Company, P. O. Box 1077, Columbus, Mississippi (Dog Food)  
Commander-Larabee Milling Company, P. O. Box 840, Minneapolis, Minnesota

Consolidated Products Company, 119 N. Washington Avenue, Danville, Illinois  
Cooperative Mills, Inc., Box 13, Lockland Station, Cincinnati, Ohio  
Charles M. Cox Company, 177 Milk Street, Boston, Massachusetts  
Culton's Seed Cleaner, North Maple & Walnut, Winchester, Kentucky

Dearborn Mills, 116 Bridgeway Street, Aurora, Indiana  
Decatur Cotton Oil Company, Decatur, Alabama  
Decatur Milling Company, Inc., 717 North Union Street, Decatur, Illinois  
Diamond Crystal Salt Company, 916 South Riverside Avenue, St. Clair, Michigan  
Dixie Grain Company, Inc., Depot St., Shelbyville, Tennessee  
Dixie Mills Company, 10th & Walnut, E. St. Louis, Illinois  
Dixie Portland Flour Company, Franklin, Tennessee  
Dixie Treat Sales Company, Jackson, Tennessee  
Doane Feed Products Company, P. O. Box 1108, Joplin, Missouri

The Early & Daniel Company, 525 Carr St., Cincinnati, Ohio  
Eckhart Milling Company, 1300 Carroll Avenue, Chicago, Illinois  
Elam Grain Company, 4004 Duncan Avenue, St. Louis 10, Missouri  
The F. L. Emmert Company, 2007 Dunlap St., Cincinnati 14, Ohio  
John W. Eshelman & Sons, 244 North Queen Street, Lancaster, Pennsylvania  
Eshelman Grain Company, P. O. Box 1953, Columbus, Ohio  
Evans Industries, Inc., P. O. Box 428, 700 East First St., Marion, Indiana  
Evans Milling Company, Inc., 1730 W. Michigan St., Indianapolis 6, Indiana

Fabro, Inc., 739 11th Street, N. W., Atlanta, Georgia  
Farm Chef Feed (Div. of Eshelman Grain), P. O. Box 1953, Columbus, Ohio  
Farmers Friend Mineral Company, 651 Filmore Street, Napoleon, Ohio  
Farmers Service, Tompkinsville, Kentucky  
Farmers Supply Company, Springfield, Kentucky  
Flambeau Milling Company, Phillips, Wisconsin  
Ferncliff Feed & Grain Company, 227 East Bloom Street, Louisville 8, Kentucky (Dog Food)

Garden Street Mill & Elevator, 932 E. Chestnut Street, Louisville 4, Kentucky  
General Foods Corporation, Igleheart Brothers, 1600 First Avenue, Evansville 7, Indiana  
General Foods Corporation, Corn Mill Division, Kankakee, Illinois  
General Foods Corporation, Gaines Div., 180 So. Dearborn Ave., Kankakee, Illinois  
General Mills, Inc., 400 Second Avenue South, Minneapolis 1, Minnesota  
Goldenrod Oil Meal Sales Company, P. O. Box 152, Memphis 1, Tennessee  
Greenup Milling Company, Greenup, Kentucky  
Goodrich Feed Mills, Div. of Acme-Goodrich, Inc., Winchester, Indiana  
Gwinn Brothers & Company, Huntington, West Virginia

Hales & Hunter Company, 141 W. Jackson Blvd., Chicago, Illinois  
Happy Valley Mills, Glasgow, Kentucky  
J. M. Harris & Company, Inc., P. O. Box 411, Roanoke, Virginia  
Hayward, Inc., Oak Harbor, Ohio  
Dr. Heinz Company, Washington C. H., Ohio  
Helmets & Berry Feed Company, 11th & Cedar St., Owensboro, Kentucky (Molasses)  
Hi-Life Packing Company, 431 South Dearborn Street, Chicago 5, Illinois  
Hill Packing Company, P. O. Box 148, Topeka, Kansas (Dog Food)  
Hoham Laboratories, Inc., Walnut Street, Auburn, Indiana  
Hollar & Mardis Milling Company, Cynthiana, Kentucky  
Honeggers' & Company, Inc., Fairbury, Illinois  
The Hunter Milling Company, Wellington, Kansas

Illinois Soy Products Company, P. O. Box 53, Springfield, Illinois  
Inland Mills, Inc., 1925 E. Grand, Des Moines, Iowa  
International Milling Company, 800 McKnight Building, Minneapolis, Minnesota  
International Salt Company, Inc., P. O. Box 511, Scranton, Pennsylvania  
The Ismert-Hincke Milling Company, 1570 West 29th St., Kansas City, Missouri

- The Jackson Cotton Oil Mill, 179 Stoddert Street, Jackson, Tennessee
- Kasco Mills, 2000 West Central Avenue, Toledo, Ohio (Dog Food)
- Keco Milling Company, McKenzie, Tennessee
- Kellogg Company, Battle Creek, Michigan
- Spencer Kellogg and Sons, Inc., 98 Delaware Avenue, Buffalo 2, New York
- H. C. Knoke and Company, 5728 West Roosevelt Road, Chicago 50, Illinois
- Lake States Yeast Corporation, Rhinelander, Wisconsin
- Lexington Roller Mills, Inc., Lexington, Kentucky
- Life Guard Feeds (Div. of Eshelman Grain Company) P. O. Box 1739, Columbus, Ohio
- Light Grain & Milling Company, Inc., P. O. Box 919, Liberal, Kansas
- Limestone Products Corporation of America, 122 Main Street, Newton, New Jersey
- L. B. Lovitt & Company, 314 Cotton Exchange Building, Memphis, Tennessee
- Magic Feed Mills, Inc., Paoli, Indiana
- Marblehead Lime Company, 300 W. Washington Street, Chicago, Illinois
- Marco Mills, Inc., 1030 Wall St., Joplin, Missouri
- Marianna Sales Company, 510 Cotton Exchange Building, Memphis, Tennessee
- Markin Feed Company, Ironton, Ohio
- Martha White Flour Mills, Nashville, Tennessee
- Martha White Mills of W. Va., Inc., 215 16th Street, Huntington, West Virginia
- Master Feed & Seed Company, Inc., 335 Baxter Avenue, Louisville, Kentucky
- Mayfield Milling Company, Inc., 313 9th Street, Mayfield, Kentucky
- McMillen Feed Mills, Div. of Central Soya Company, Fort Wayne, Indiana
- Memphis Molasses Terminal, Inc., 1315 No. Second St., Memphis, Tennessee (Molasses)
- O. W. Meyer Laboratories, 651 Filmore Street, Napoleon, Ohio
- Midwest Brewers Yeast Co., Sperti Products, Inc., 816 Clinton St., Hoboken, New Jersey
- Midwest Feeds, P. O. Box 53, Lockland, Cincinnati, Ohio
- Mineral Products Company, 2120 South Harding Street, Indianapolis, Indiana
- Minute Maid, Clinton Foods, Inc., Florida Products Div., P.O. Box 247, Auburndale, Florida
- Minute Maid Corporation, By-Products Sales Office, P. O. Box 202, Leesburg, Florida
- Mohawk Roller Mills, Mohawk, Tennessee
- Model Mills, Jackson, Tennessee
- John Morrell & Company, Ottumwa, Iowa
- Moorman Mfg. Company, Quincy, Illinois
- Morristown Milling Company, Daisy Street, Morristown, Tennessee
- Morton Salt Company, 120 South LaSalle Street, Chicago, Illinois
- Mowat, Wilson & Company, 18675 James Couzens Highway, Detroit 35, Michigan
- Murphy Products Company, 556 Dodge Street, Burlington, Wisconsin
- H. Nagel & Son, 2168 Spring Grove Avenue, Cincinnati, Ohio
- Nashville Cotton Oil Mill Corporation, 410 Chestnut Street, Nashville, Tennessee
- National Alfalfa Dehy. & Milling Company, 101 South 4th St., Box 890, Lamar, Colorado
- National Biscuit Company, Toledo Mill, 2221 Front St., Toledo 3, Ohio
- National Distillers Products Corporation, 120 Broadway, New York 5, New York
- National Molasses Company, Mill Road, Orelan, Pennsylvania (Molasses)
- National Oats Company, 1931 Baugh Avenue, East St. Louis, Illinois
- National Vitamin Products Co., 3401 Hiawatha Avenue, Minneapolis, Minnesota
- The North American Trading & Import Co., 1429 Walnut St., Philadelphia 2, Pa. (Molasses)
- Charles Nunn & Sons Milling Company, Evansville, Indiana
- Nutrena Mills, Inc., 200 Grain Exchange, Minneapolis 15, Minnesota
- Oelwein Chemical Company, Inc., Oelwein, Iowa
- Ohio Valley Soybean Cooperative, Outer Fifth St., P. O. Box 338, Henderson, Kentucky
- Orleans Candy Company, 431 South Dearborn Street, Chicago 5, Illinois
- Owensboro Grain Company, Owensboro, Kentucky
- Owensboro Molasses Company, Inc., Cedar Street & Ohio River, Owensboro, Kentucky



Pacific Molasses Company, 215 Market Street, San Francisco 5, California  
Philip R. Park, Inc., Outer Harbor, San Pedro, California  
Park & Tilford Distillers Corporation, 445 North 35th Street, Louisville, Kentucky  
Pedrick Laboratories, Sand Springs, Oklahoma  
Pendleton County Mills, Falmouth, Kentucky  
Penick & Ford, Ltd., Inc., Cedar Rapids, Iowa  
Perfection Foods Company, Battle Creek, Michigan  
Pillsbury Mills, Inc., Clinton, Iowa  
Pillsbury Mills, Inc., Pillsbury Bldg., Minneapolis, Minnesota  
Pittsburgh Plate Glass Company, 118 Main Street, Red Wing, Minnesota  
Planters Manufacturing Company, Clarksdale, Mississippi  
Proviso Feeds & Concentrates, Div. of Kentucky Chem. Indus., 5366 Este Ave., Cincinnati, O.  
Publicker Industries Inc., 1429 Walnut Street, Philadelphia, Pennsylvania  
  
The Quaker Oats Company, 345 Merchandise Mart, Chicago 54, Illinois  
  
Ralston Purina Company, 835 South Eighth Street, St. Louis, Missouri  
Lloyd Reiterman, Box 513, Kingston, Ohio  
Reynolds Molasses Company, Inc., 400 Davidson Street, Nashville, Tennessee  
Riverside Mills Company, 101 South First Street, Nashville, Tennessee  
Robinson Milling Company, Somerset, Kentucky (Molasses)  
Russell Grain Company, 58 Franklin Street, Hilliards, Ohio  
Russell-Miller Milling Co., 900 Midland Bank Building, Minneapolis, Minnesota  
Ryde & Company, 5425 W. Roosevelt Road, Chicago, Illinois  
  
Schenley Distillers, Inc., 350 Fifth Avenue, New York, New York  
Scientific Milling Company, 10th & Walnut, E. St. Louis, Illinois  
The Scott County Milling Company, Sikeston, Missouri  
Joseph E. Seagram & Sons, Inc., Seventh Street Road, Louisville, Kentucky  
Security Food Company, 521 S. 3rd St., Minneapolis 15, Minnesota  
Shellabargers, Salina, Kansas  
The Sherwin-Williams Company, 101 Prospect Avenue, Cleveland, Ohio  
The W. J. Small Co., Div. of Archer-Daniels-Midland Co., 1200 Oak St., Kansas City, Mo.  
Southern Canning Sales, Inc., P. O. Box 728, Highlands, Texas  
The Southern Cotton Oil Company, P. O. Box 313 Memphis, Tennessee  
The Southern Cotton Oil Company, P. O. Box 351, Sheffield, Alabama  
Southern Products Company, Inc., P. O. Box 1812, Greenville, South Carolina  
Sperti Products, Inc., 816 Clinton Street, Hoboken, New Jersey  
Spratt's Patent (America) Limited, 18 Congress Street, Newark, New Jersey  
A. E. Staley Mfg. Company, 22nd & Eldorado Streets, Decatur, Illinois  
Staley Milling Company, 1717 Armour Road, Kansas City 16, Missouri  
F. M. Stamper Company Mill, Box 667, Moberly, Missouri  
Standards Brands Incorporated, 595 Madison Avenue, New York 22, New York  
Standard Feed Milling Company, Inc., 14th and L. & N., Hopkinsville, Kentucky  
Suni-Citrus Products Company, P. O. Box 67, Haines City, Florida  
Sunshine Feed Mills, 800 16th Avenue North, Nashville, Tennessee  
Supreme Mills, Glasgow, Kentucky  
Sweet Feed, Inc., Route 7, Lexington, Kentucky  
Swift & Company, 4115 Packers Avenue, Chicago, Illinois  
Swift & Company, Pard Food Dept., 4115 Packers Avenue, Chicago, Illinois  
Swift & Company, Oil Mill, Cairo, Illinois  
Swift & Company, Memphis, Tennessee  
  
Teater-Cassity-Wade, Nicholasville, Kentucky  
Tilford & Walters, P. O. Box 107, 108 West 3rd Street, Metropolis, Illinois  
The Topeka Flour Mills Corporation, P. O. Box 1058, Salina, Kansas  
Trenton Cotton Oil Company, Trenton, Tennessee  
Tri-State Molasses Company, 1440 W. Seventh Street, Owensboro, Kentucky (Molasses)

Union Sales Corporation, 301 Washington Street, Columbus, Indiana

Valier and Spies Milling Company, P. O. Box 2568, Kansas City 42, Missouri  
Vimpep Foods, Division Phillips Packing Company, Inc., Cambridge, Maryland  
Virginia-Carolina Chemical Corporation, P. O. Box 548, Hopkinsville, Kentucky  
Vita Fresh Dog Food Corporation, 540 Morgan Avenue, Brooklyn, New York  
Vitality Mills, Inc., 141 W. Jackson Blvd., Chicago, Illinois  
Vitamineral Products Company, 1522 N. Adams Street, Peoria, Illinois  
VyLactos Laboratories, Inc., 1901 East Euclid Avenue, Des Moines 13, Iowa

Watkins Wholesale Grocery Company, East Bernstadt, Kentucky  
Weisenberger Sanitary Flour Mills, Midway, Kentucky  
Western Condensing Company, P. O. Box 739, Appleton, Wisconsin  
Western Grain Company, P. O. Box 871, Birmingham, Alabama  
The Whitewater Flour Mills Company, Whitewater, Kansas  
Woburn Process Company, Inc., 209 New Boston Street, Woburn, Massachusetts

Yieldmor Feeds, Inc., 101 South Downing Street, Piqua, Ohio

## ANALYSIS OF MEDICATED FEEDS

MANUFACTURER, BRAND AND REMARKS	DRUG	GUARANTEED	FOUND
<b>AUBREY FEED MILLS, LOUISVILLE, KENTUCKY</b>			
Nicarbazin Mix in Red A Broiler Finisher Pellets	Nicarbazin	0.0125	0.0126
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin in Red A High Energy Broiler Ration Crumbles	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0126 0.004
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin in Red A High Energy Broiler Ration Crumbles	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0124 0.0045
<b>BUHNER &amp; COMPANY, LOUISVILLE, KENTUCKY</b>			
Nicarbazin and 3-Nitro-4 in Happy Farmer 22 1/2% Broiler Starter	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0172 0.0061
Nicarbazin & 3-Nitro-4 in Happy Farmer 22 1/2% Broiler Starter	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0157 0.0053
Nicarbazin & 3-Nitro-4 in Happy Farmer Broiler Finisher	Nicarbazin 3-Nitro-4	0.0125 0.005	0.016 0.0067
<b>BUNDY BROTHERS MILL COMPANY, MEDORA, INDIANA</b>			
Nitrofurazone in Perfection 17% Starting and Growing Mash	Nitrofurazone	0.0055	0.0063
<b>COOPERATIVE MILLS, INC., CINCINNATI, OHIO</b>			
Nitrophenide in Starting & Growing Mash	Nitrophenide	0.0125	0.006
Nicarbazin & 3-Nitro-4 in Broiler Maker Finisher	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0113 0.0058
Nicarbazin & 3-Nitro-4 in Broiler Maker	Nicarbazin	0.0125	0.01
Nicarbazin & 3-Nitro-4 in Broiler Maker	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0091 0.0036
Nicarbazin & 3-Nitro-4 in Broiler Maker	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0131 0.004
<b>CUSTOM FEED MILLS, MORGANFIELD, KENTUCKY</b>			
Cadmium Anthranilate in Custom Maid Hog Worming Ration	Cadmium Anthranilate	0.044	0.059
<b>EARLY &amp; DANIEL COMPANY, CINCINNATI, OHIO</b>			
Nitrofurazone in Tuxedo Starter, Grower & Developer Mash	Nitrofurazone	0.0055	0.0069
Nicarbazin & 3-Nitro-4 in Tuxedo Bitty Bits High Energy Broiler Mash	3-Nitro-4	0.005	0.0058
Nicarbazin & 3-Nitro-4 in Broiler Finisher Mash	Nicarbazin 3-Nitro-4	0.0125 0.005	0.015 0.0037
<b>HAYDON MILL &amp; GRAIN COMPANY, SPRINGFIELD, KENTUCKY</b>			
Nicarbazin & 3-Nitro-4 in Magic Broiler Starter	Nicarbazin 3-Nitro-4	0.0125 0.005	0.0 0.006

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			
Nicarbazin & 3-Nitro-4 in Master Mix Hi-Calorie Broiler Formula	Nicarbazin	0.0125	0.0126
	3-Nitro-4	0.005	0.0028
Nicarbazin & 3-Nitro-4 in Master Mix Hi-Calorie Broiler Formula	Nicarbazin	0.0125	0.0129
	3-Nitro-4	0.005	0.0059
Arsanilic Acid in Master Mix Pig Ets	Arsanilic Acid	0.01	0.0085
OWENSBORO MILLING COMPANY, OWENSBORO, KENTUCKY			
Nicarbazin in Tru-Test Broiler Finisher Mash	Nicarbazin	0.0125	0.0113
Nicarbazin in Tru-Test 21% Broiler Mash	Nicarbazin	0.0125	0.016
PILLSBURY MILLS, INC., CLINTON, IOWA			
Arsanilic Acid and Nicarbazine in Pillsbury's Best 4X Broiler Mash (High Calorie)	Arsanilic Acid	0.01	0.0105
	Nicarbazin	0.0125	0.0115
Arsanilic Acid and Nicarbazine in Pillsbury's Best 4X Broiler Mash (High Calorie)	Arsanilic Acid	0.01	0.0092
	Nicarbazin	0.0125	0.0104
Arsanilic Acid in Pillsbury's Best Maxi- Meal Hog Concentrate	Arsanilic Acid	0.04	0.027
QUAKER OATS COMPANY, CHICAGO, ILLINOIS			
Chlortetracycline and 3-Nitro-4 in Ful- O-Pep Broiler Mash	3-Nitro-4	0.005	0.0059
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI			
3-Nitro-4 and Nicarbazine in Purina Broiler Chow Starter	3-Nitro-4	0.005	0.0046
	Nicarbazin	0.0125	0.0146
THE UBIKO MILLING COMPANY, % ESHELMAN GRAIN COMPANY, COLUMBUS, OHIO			
3-Nitro-4 and Nitrofurazone in Life Guard Starter & Grower	3-Nitro-4	0.005	0.0308
	Nitrofurazone	0.0055	0.0067

## ANALYSIS OF MOLASSES

MANUFACTURER, BRAND AND REMARKS	Total Sugar as Invert Sugar
UNITED STATES SUGAR CORPORATION, CLEWISTON, FLORIDA Florida High Protein Cane Feeding Molasses	46.7

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
ALLIED MILLS, INC., CHICAGO, ILLINOIS		
Wayne 42% Dairy Mixing Supplement "S"	14.00	14.80
Wayne 42% Dairy Mixing Supplement	17.50	17.10
0.0911% Diethylstilbestrol Mixture in Wayne Beef Balancer	8.75	10.10
0.0011% Diethylstilbestrol Mixture in Wayne Beef Balancer	8.75	9.10
Wayne Roughage Supplement "AA"	12.00	13.30
Wayne Roughage Supplement	12.00	13.00
Sugarine 16% Dairy	4.00	5.20
Sugarine 16% Dairy	4.00	4.10
Sugarine 16% Dairy	4.00	4.30
Sugarine 16% Dairy	4.00	5.00
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY		
Red A 44% Dairy Supplement	20.96	13.40
Red A 44% Dairy Supplement	20.96	14.30
Red A 32% Dairy Supplement	10.48	7.50
Red A 32% Dairy Supplement	10.48	7.90
Red A 32% Dairy Supplement	10.48	7.10
Red A 33% Beef Cattle Concentrate	10.50	8.80
Aubrey's 0.0011% Diethylstilbestrol Mix in Red A Beef Cattle Concentrate	10.50	9.00
Red A 24% Dairy Feed	7.86	7.10
Red A 24% Dairy Feed	7.86	8.50
Red A 24% Dairy Feed	7.86	8.40
Red A 24% Dairy Feed	7.86	8.60
Red A 24% Dairy Feed	7.86	10.40
Red A 24% Dairy Feed	7.86	8.10
Red A 24% Dairy Feed	7.86	8.00
Supreme 24% Dairy Feed	7.86	9.00
Supreme 24% Dairy Feed	7.86	8.30
Ful-O-Cream 24% Dairy Feed	7.86	9.60
Ful-O-Cream 24% Dairy Feed	7.86	6.30
Ful-O-Cream 24% Dairy Feed	7.86	6.00
Red A 20% Dairy Feed	6.55	4.90
Red A 20% Dairy Feed	6.55	4.80
Red A 20% Dairy Feed	6.55	5.30
Red A 18% Dairy Feed	2.62	3.40
Red A 18% Dairy Feed	5.24	4.10
Red A 18% Dairy Feed	5.24	4.20
Red A 18% Dairy Feed	2.62	5.00
Red A 18% Dairy Feed	2.62	4.20
Red A 18% Dairy Feed	2.62	4.90
Red A 18% Dairy Feed	4.62	3.70
Red A 16 1/2% Dairy Feed	2.62	3.40
Red A 16 1/2% Dairy Feed	2.62	3.90
Red A 16 1/2% Dairy Feed	2.62	3.20
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY		
Harrison's Nat-Ur-Way 18% Dairy Feed	5.82	6.10
BANNER FEED MILLS, HUNTINGTON, WEST VIRGINIA		
Banner 24% Dairy	8.00	7.90
Banner 24% Dairy	8.00	8.00
BARDWELL MILLING COMPANY, BARDWELL, KENTUCKY		
Dairyman's Choice 16% Dairy Feed	3.50	0.50

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
BIG FOUR MILLS, COVINGTON, KENTUCKY		
Hi-Lo 24% Dairy Feed	7.86	4.90
Hi-Lo 24% Dairy Feed	7.86	6.70
Hi-Lo 24% Dairy Feed	7.86	7.00
Hi-Lo 16% Dairy Feed	2.70	2.70
Hi-Lo 16% Dairy Feed	2.70	1.20
O. K. 16% Dairy Feed	2.62	2.00
BLUE RIVER FEED MILLS, EDINBURG, INDIANA		
Packers Special Feed (65% Ground Corn Cobs, Molasses, Corn Distillers Dried Grains)	0.40	0.66
BROCK BROTHERS GRAIN COMPANY, MAYSVILLE, KENTUCKY		
14% Dairy Feed (To be used with high protein legume pasture, hay and ensilage)	1.60	<u>3.50</u>
BUHNER & COMPANY, LOUISVILLE, KENTUCKY		
Magnolia 18% Dairy Feed	3.90	4.50
Magnolia 16 1/2% Dairy Feed	3.93	4.50
Happy Farmer 16% Dairy Feed	3.93	<u>5.60</u>
Magnolia Sweet 16% Dairy Feed	3.93	3.90
CANEVILLE ROLLER MILLS, CANEVILLE, KENTUCKY		
Sweet Mix 16% Dairy Feed	5.50	4.30
CARROLL COUNTY FARM BUREAU COOPERATIVE, CARROLLTON, KENTUCKY		
Carroll County Farm Bureau Cooperative Special 16% Dairy Feed	4.00	4.80
CHESTNUT & ANDERSON FEED MILL, HOPKINSVILLE, KENTUCKY		
Little River 32% Roughage Beef Supplement "A"	9.16	9.80
CITIZENS MILLING COMPANY, SOMERSET, KENTUCKY		
Cumberland 16% Dairy Feed	5.24	0.80
CLIFTY FALLS MILLS, INC., MADISON, INDIANA		
Clifty Falls 24% Pusher Feed	7.86	<u>9.30</u>
Clifty Falls 24% Pusher Feed	7.86	<u>10.20</u>
Clifty Falls 20% Pusher Feed	6.55	6.90
Clifty Falls 16% Pusher Feed	5.24	<u>8.10</u>
Clifty Falls 16% Pusher Feed	5.24	6.10
Clifty Falls 16% Pusher Feed	5.24	5.10
Clifty Falls 16% Pusher Feed	5.24	4.00
Clifty Falls 16% Pusher Feed	5.24	5.10
Clifty Falls 16% Pusher Feed	5.24	2.90
CLINTON MILLING COMPANY, CLINTON, KENTUCKY		
Clinco 16% Dairy Feed	5.24	4.80
COMMUNITY MILLING COMPANY, IRVINGTON, KENTUCKY		
Our Pride 16% Dairy Feed	5.82	4.90
COOPERATIVE MILLS, CINCINNATI, OHIO		
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	15.60
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	13.10
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	<u>19.70</u>

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
COOPERATIVE MILLS, CINCINNATI, OHIO (Con't)		
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	20.70
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	15.80
0.0022% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	19.30
0.0014% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	16.70
Pro-Blend "50"	18.50	19.80
Pro-Blend "50"	18.50	18.70
Pro-Blend "50"	18.50	22.40
Pro-Blend "50"	18.50	19.60
Pro-Blend "50"	18.50	13.80
Pro-Blend "50"	18.50	18.10
Pro-Blend "50"	18.50	20.20
Pro-Blend "50"	18.50	18.50
Pro-Blend "50"	18.50	21.60
Pro-Blend "50"	18.50	24.60
Pro-Blend "50"	18.50	22.10
Pro-Blend "50"	18.50	21.80
Pro-Blend "50"	18.50	20.80
Pro-Blend "50"	18.50	20.80
Pro-Blend "50"	18.50	22.10
Pro-Blend "50"	18.50	19.70
Pro-Blend "50"	18.50	19.40
32% Milk Maker	11.00	4.80
32% Dairy Supplement	11.00	7.40
32% Dairy Supplement	11.00	4.80
32% Dairy Supplement	11.00	5.00
32% Dairy Supplement	11.00	9.20
32% Dairy Supplement	11.00	7.00
16% Utility Dairy	3.00	2.80
16% Utility Dairy	3.00	2.30
16% Utility Dairy	3.00	2.60
16% Utility Dairy	3.00	2.60
16% Utility Dairy	3.00	5.60
16% Pasture Dairy	2.00	2.40
16% Pasture Dairy	2.00	2.10
0.0011% Diethylstilbestrol Mixture in 30% Beef Supplement	8.00	9.90
30% Beef Supplement	8.00	7.10
Beef Supplement	8.00	10.90
Beef Supplement	8.00	9.20
Beef Supplement	8.00	7.50
Beef Supplement	8.00	7.10
Beef Supplement	8.00	9.30
Beef Supplement	8.00	8.00
Beef Supplement	8.00	8.80
CHARLES M. COX COMPANY, BOSTON, MASSACHUSETTS		
Red Seal 16% Dairy Feed	4.00	1.20
CRESCENT ROLLER MILLS, TAYLORSVILLE, KENTUCKY		
Crescent 41% Dairy Supplement	14.00	14.40
Crescent 16 1/2% Dairy	5.00	4.50
DEARBORN MILLS, AURORA, INDIANA		
Dearborn Special 32% Dairy & Cattle Supplement	8.00	7.60
Dearborn Sweet 24% Dairy	6.60	5.90

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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 hay or silage)	1.75	1.40
Fitting Feed	1.75	0.50
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO		
Tuxedo 44% Dairy Supplement	22.00	21.50
Tuxedo 44% Dairy Supplement	22.00	21.00
Tuxedo 33% Dairy Supplement	11.00	10.20
Tuxedo 33% Dairy Supplement	11.00	10.90
Tuxedo 24% Dairy	8.00	7.30
Tuxedo 24% Dairy	8.00	4.90
Tuxedo 24% Dairy	8.00	7.00
Tuxedo Special 24% Dairy	6.00	5.90
Tuxedo Special 24% Dairy	6.00	4.50
Tuxedo 20% Dairy	6.67	7.40
Tuxedo 20% Dairy	6.67	5.40
Tuxedo Special 20% Dairy	4.98	5.30
Tuxedo 16% Dairy	3.93	4.10
Tuxedo 16% Dairy	3.93	4.10
Tuxedo Special 16% Dairy	3.93	3.90
0.0011% Diethylstilbestrol Mixture in Tuxedo Big A 32% Steer Supplement	10.60	9.50
ESHELMAN GRAIN COMPANY, COLUMBUS, OHIO		
Clover Bloom 16% Dairy Feed	4.00	3.10
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA		
Kentucky Challenge 24% Dairy Feed	8.00	8.00
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY		
Feeders Friend 44% Dairy Supplement	13.10	11.90
Feeders Friend Sweet 16% Dairy	2.62	3.50
0.0011% Diethylstilbestrol Mixture in 32% Steer Supplement "A"	7.86	0.70
J. H. FEDDERS, INC., COVINGTON, KENTUCKY		
Fedco 16% Dairy Feed	5.24	5.60
FERNCLIFF FEED & GRAIN COMPANY, LOUISVILLE, KENTUCKY		
Sweet 16% Dairy Feed	4.40	4.10
Sweet 16% Dairy Feed	4.40	5.20
HENRY FRUECHTENICHT COMPANY, INC., LOUISVILLE, KENTUCKY		
Producer 44% Dairy Concentrate	18.34	18.60
Producer 24% Dairy Feed	7.86	4.40
Producer 24% Dairy Feed	7.86	2.70
Producer Special 24% Dairy Feed	7.86	5.10
Producer Special 24% Dairy Feed	7.86	3.70
Producer 20% Dairy Feed	7.86	5.00
Producer 20% Dairy Feed	7.86	3.80
Producer 20% Dairy Feed	7.86	4.20
Producer 20% Dairy Feed	7.86	3.00
Producer 18% Dairy Feed	5.24	4.80
Thomerson 18% Dairy Feed	5.24	4.60
Producer 16% Dairy Feed	5.24	3.10
Producer 16% Dairy Feed	5.24	3.70

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## ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
HENRY FRUECHTENICHT COMPANY, INC., LOUISVILLE, KENTUCKY (Con't)		
Producer Special 16% Dairy Feed	5.24	2.60
Producer Special 16% Dairy Feed	5.24	3.40
Producer Special 16% Dairy Feed	5.24	3.40
Producer 32% Cattle Concentrate	7.86	8.50
0.0011% Diethylstilbestrol Mix in Producer 32% Cattle Supplement	7.86	<u>9.70</u>
Producer 32% Cattle Supplement	7.86	<u>9.70</u>
GARDEN STREET MILL & ELEVATOR, LOUISVILLE, KENTUCKY		
Garden 16% Dairy Feed	5.24	2.60
Garden 16% Dairy Feed	5.24	2.50
Garden 16% Dairy Feed	5.24	2.20
Garden 16% Dairy Feed	5.24	2.40
Garden 16% Dairy Feed	5.24	2.40
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA		
Larro Suremilk 50	18.00	<u>20.60</u>
GREEN COUNTY MILLING COMPANY, GREENSBURG, KENTUCKY		
Greenco 16% Dairy Feed	3.50	2.80
GWINN BROTHERS & COMPANY, HUNTINGTON, WEST VIRGINIA		
Sweet Acre 24% Dairy Feed	8.00	7.00
Sweet Acre 24% Dairy Feed	8.00	6.40
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS		
Gold Flake 16% Dairy	4.00	4.00
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY		
Arrow Special 24% Dairy Feed	7.86	3.30
HARDIN COUNTY MILLING COMPANY, ELIZABETHTOWN, KENTUCKY		
Valley Creek 16% Dairy Feed	1.00	1.50
G. M. HAYCRAFT & SON, LEITCHFIELD, KENTUCKY		
Haycraft's 44% Dairy Supplement	20.96	20.50
Haycraft's 20% Dairy Feed	3.20	<u>9.10</u>
Haycraft's 16% Dairy Feed	3.20	<u>4.80</u>
HAYDON MILL & GRAIN COMPANY, SPRINGFIELD, KENTUCKY		
Magic Brand 20% Sweet Dairy Feed	6.55	1.30
Magic Brand 16% Sweet Dairy Feed	5.24	2.10
Magic Brand 16% Sweet Dairy Feed	5.24	<u>7.00</u>
Magic 4-2-2-16% Dairy Feed	5.24	<u>1.80</u>
Magic 4-2-2-16% Dairy Feed	5.24	4.90
DR. HEINZ COMPANY, INC., WASHINGTON, C. H., OHIO		
Heinz Nu-Way 22% Sweet Flo Mixing Feed	6.50	<u>8.40</u>
Heinz Nu-Way 16% Dairy Feed	5.24	<u>2.20</u>
BURCH HESTER FEED STORE, HUSTONVILLE, KENTUCKY		
Big Chief 24% Dairy Feed	7.35	1.80
HOME MILLING COMPANY, GREENVILLE, KENTUCKY		
Happy Home 24% Dairy Feed	7.90	0.50
Happy Home 16% Sweet Dairy Feed	5.24	5.00
Happy Home 16% Sweet Dairy Feed	5.24	5.00

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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 Brand 24% Dairy	7.86	8.40
LEWISBURG ROLLER MILLS, LEWISBURG, KENTUCKY Economy 16% Dairy Feed	5.24	5.60
Economy 16% Dairy Feed	5.24	4.20
LEXINGTON ROLLER MILLS, INC., LEXINGTON, KENTUCKY Thoroughbred 24% Sweet Dairy Feed	5.24	5.60
Thoroughbred 24% Sweet Dairy Feed	5.24	5.40
Thoroughbred 24% Sweet Dairy Feed	5.24	4.90
Capitol 24% Sweet Dairy Feed	7.86	8.80
Sweet Sue 24% Sweet Dairy Feed	6.55	6.40
Thoroughbred 20% Sweet Dairy Feed	2.62	5.50
Thoroughbred 20% Sweet Dairy Feed	2.62	3.20
Sweet Sue 16% Sweet Dairy Feed	3.50	4.40
Sweet Sue 16% Sweet Dairy Feed	3.50	4.20
LOVELACEVILLE FEED MILL, LOVELACEVILLE, KENTUCKY Diz's 16% Dairy Feed	2.77	3.90
MARKIN FEED COMPANY, IRONTON, OHIO Markin Special 16% Dairy Feed	2.62	2.40
McMILLEN FEED MILLS, FORT WAYNE, INDIANA Master Mix 44% Dairy Supplement	20.96	22.50
Master Mix 44% Dairy Supplement	20.96	18.50
Master Mix 44% Dairy Supplement	20.96	19.00
MOORMAN MANUFACTURING COMPANY, QUINCY, ILLINOIS Moorman's Mintrate for Fattening Cattle	13.00	11.50
MYERS & CLARK COMPANY, INC., ASHLAND, KENTUCKY Ideal 24% Dairy Feed	5.90	4.50
Myers Special 24% Dairy Feed	7.86	8.70
NATIONAL OATS COMPANY, EAST ST. LOUIS, ILLINOIS Corno 34% Dairy Supplement	8.70	9.90
OHIO VALLEY SOYBEAN COOPERATIVE, HENDERSON, KENTUCKY Cardinal 48% Cattle Supplement	16.40	12.30
OWENSBORO MILLING COMPANY, INC., OWENSBORO, KENTUCKY Tru Test 32% Dairy Supplement	6.55	6.30
Tru Test 24% Dairy Feed	8.00	7.20
Sugar Lassie 16% Dairy	5.24	5.50
Sugar Lassie 16% Dairy	5.24	5.60
Star 16 1/2% Dairy Feed	5.24	5.60
Star 16 1/2% Dairy Feed	5.24	6.50
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY Green Valley 16% Dairy Feed	4.00	4.30
Bell Ringer 16% Dairy Feed	3.79	4.40
PATTERSON & GUTHRIE, HARRODSBURG, KENTUCKY 12% Dairy Feed (To be used with high protein legume pasture, hay or ensilage)	0.50	0.60

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## 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	16.70
Pillsbury's Best Dairy Mixer 44%	20.00	19.60
Pillsbury's Best 32% Dairy Concentrate	10.50	10.10
Pillsbury's Best 32% Dairy Concentrate	10.50	8.90
Pillsbury's Best 24% Dairy Feed	8.00	8.20
Pillsbury's Best 20% Dairy Feed	6.55	6.00
Pillsbury's Best 20% Dairy Feed	6.55	6.20
Pillsbury's Best 16% Dairy Feed	5.25	3.40
Pillsbury's Best 16% Dairy Feed	5.25	3.50
Pillsbury's Dutch Maid 16% Dairy Feed	5.24	4.60
Pillsbury's Best 16% Dariettes	5.25	3.30
Pillsbury's Best 16% Dariettes	5.25	3.50
PRINCETON MILLS, PRINCETON, KENTUCKY		
Check-R-Mix 16% Dairy Feed S	3.00	1.10
Check-R-Mix 16% Dairy Feed S	3.00	1.10
QUAKER OATS COMPANY, CHICAGO, ILLINOIS		
Ful-O-Pep 40% Dairy Concentrate ( L)	13.10	12.80
Ful-O-Pep Sweet 16% Dairy Feed	5.24	5.70
Ful-O-Pep Sweet 16% Dairy Feed	5.24	<u>8.30</u>
0.0022% Diethylstilbestrol Mixture in Ful-O-Pep 40% Cattle Concentrate	13.10	13.50
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI		
Purina 32% Cow Chow Concentrate	8.75	7.40
Purina 32% Cow Chow Concentrate	8.75	7.40
Purina 32% Cow Chow Concentrate	8.75	8.70
Purina 18% Dairy Chow	6.00	4.60
Purina 18% Dairy Chow	6.00	7.70
Purina 18% Dairy Chow	6.00	6.50
Purina 18% Dairy Chow	6.00	5.40
Purina 18% Dairy Chow	6.00	4.30
Purina 18% Dairy Chow	6.00	6.40
Purina 18% Dairy Chow	6.00	6.40
Purina 18% Dairy Chow	6.00	7.00
Purina 18% Dairy Chow	6.00	6.40
Purina 18% Dairy Chow	6.00	5.00
0.0011% Diethylstilbestrol Mix in Purina Special 32% Steer Fatena	8.75	9.50
Special 32% Steer Fatena	8.75	8.60
Purina 32% Steer Fatena	8.75	10.00
Purina 32% Steer Fatena	8.75	6.70
Purina 32% Steer Fatena	8.75	8.00
Purina Sheep Checkers A	5.50	4.00
RENFRO SUPPLY COMPANY, WILLIAMSBURG, KENTUCKY		
Renfro 24% Dairy Feed	7.87	4.10
RUSSELL GRAIN COMPANY, HILLIARDS, OHIO		
Russell's 262 Brand 24% Dairy Feed	7.87	10.10
Russell's 262 Brand 24% Dairy Feed	7.87	8.90
Russell's 262 Brand 16% Dairy Feed	5.24	<u>6.70</u>

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
SHIVELY FEED & SEED, COLUMBIA, KENTUCKY Shively's Blue Ribbon 16% Dairy	3.50	2.00
SOUTHERN STATES CAMPBELLSVILLE COOPERATIVE, CAMPBELLSVILLE, KENTUCKY 16% Co-op Dairy	3.00	3.70
SUN-RAY FEED MILLS, LEXINGTON, KENTUCKY		
Sugar Creek 24% Dairy Feed	7.86	7.80
Green Valley 24% Dairy Feed	7.86	7.30
Sugar Creek 16% Dairy Feed	5.24	3.70
Green Valley 16% Dairy Feed	5.24	3.40
Kow Kandy 16% Dairy Feed	4.72	2.90
Kow Kandy 16% Dairy Feed	4.72	3.60
SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY Sun-Ray 24% Sweet Dairy Feed	5.80	4.80
SUPREME MILLS, GLASGOW, KENTUCKY		
Supreme 45% Dairy Concentrate	20.95	22.30
Supreme 45% Dairy Concentrate	20.95	21.50
TRI-STATE MILLS, KENOVA, WEST VIRGINIA Daisy 24% Dairy Feed	8.00	7.80
VITALITY MILLS, INC., CHICAGO, ILLINOIS		
Velvet 16% Dairy Feed	4.00	0.60
Badger 16% Sweet Dairy Feed	5.80	2.90
MARTHA WHITE MILLS OF WEST VIRGINIA, HUNTINGTON, WEST VIRGINIA		
Fortune 24% Dairy Feed	7.86	6.00
Fortune 24% Dairy Feed	7.86	6.20
WINN MILLING COMPANY, GREENSBURG, KENTUCKY Daisy 16% Dairy Feed	3.90	3.70

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 DOG FOOD SAMPLES ANALYZED  
October, November, December, 1956

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
ALBERS MILLING COMPANY, KANSAS CITY, MISSOURI						
Friskies Dog Food	10.0	10.5	2.5	3.4	1.0	.6
Friskies Dog Food	10.0	10.3	2.5	2.8	1.0	.5
Friskies Dog Food	10.0	10.5	2.5	3.4	1.0	.7
ARMOUR & COMPANY, CHICAGO, ILLINOIS						
Dash Dog Food	10.5	10.9	2.5	3.3	1.0	.5
AUBREY FEED MILLS, INC., LOUISVILLE, KENTUCKY						
Aubrey's Red "A" Dog Food	24.0	24.5	6.0	7.4	4.0	3.0
Red A Dog Food	24.0	24.3	6.0	7.5	4.0	2.9
BUSH BROTHERS & COMPANY, CLINTON, TENNESSEE						
Bush's Tony Dog & Cat Food	11.0	11.2	2.0	2.2	1.5	1.1
Bush's Tony Dog & Cat Food	11.0	11.0	2.0	2.1	1.5	1.2
CARDINAL FOOD PRODUCTS COMPANY, ST. LOUIS, MISSOURI						
Pointer Dog Food	8.0	8.2	2.0	1.7	1.5	.9
COAST FISHERIES, DIV. OF QUAKER OATS COMPANY, WILMINGTON, CALIFORNIA						
Puss'n Boots Cat Food	12.0	12.7	2.0	2.8	1.0	1.1
Puss'n Boots Cat Food	12.0	14.9	2.0	4.0	1.0	.8
Puss'n Boots Cat Food	12.0	12.3	2.0	3.5	1.0	.7
COLUMBUS CANNING COMPANY, COLUMBUS, MISSISSIPPI						
Jet Dog Food	11.0	10.5	2.0	2.0	1.0	.7
COOPERATIVE MILLS, CINCINNATI, OHIO						
Red Ranger Dog Food	24.0	26.7	6.5	8.9	5.0	3.6
Red Ranger Dog Food	12.5	12.6	4.5	4.2	.5	.6
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO						
Tuxedo Dog Food	10.0	10.4	2.0	3.2	1.5	1.3
Tuxedo Dog Food	10.0	12.0	2.0	2.7	1.5	1.1
EVANS INDUSTRIES, INC., MARION, INDIANA						
Prime Horse Meat Pet Food	8.0	9.0	2.0	2.0	1.5	.5
** Better Bite Horsemeat Dog Food	14.0	<u>11.0</u>	4.0	8.3	.5	.5**
Very much below guaranty in protein						
Bostonian Dog Food	8.0	9.7	2.0	2.5	1.5	.7
FABRO, INC., ATHENS, GEORGIA						
** Henny Pen Dog Food	15.0	<u>10.5</u>	2.0	6.2	1.2	--**
Very much below guaranty in protein						
Misbranded						
FOODS PRODUCTS COMPANY OF AMERICA, CHICAGO, ILLINOIS						
Dog House Dog & Cat Food	10.0	9.8	2.0	5.5	1.5	1.4

\*\* Samples failing to equal guaranty by more than one-half of one percent, or that were adulterated with hulls, unground weed seeds, or refuse.

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GAINES DIVISION GENERAL FOODS CORPORATION, KANKAKEE, ILLINOIS						
** Gaines Dog Food	10.5	9.4	2.5	7.0	1.0	.7**
Below guaranty in protein						
Gaines Dog Food Ration A	10.5	12.3	2.5	2.5	1.0	.6
New Gaines Dog Food Ration A	10.5	10.5	2.5	2.7	1.0	.5
New Gaines Dog Food Ration A	10.5	10.8	2.5	7.4	1.0	.7
GENERAL FOODS CORPORATION, BOSTON, MASSACHUSETTS						
Jack & Jill Cat Food	15.0	16.9	2.0	2.4	.5	.1
GENERAL PACKING COMPANY, CINCINNATI, OHIO						
Viking Brand Dog Food	10.0	10.1	1.0	2.3	1.5	1.3
Down Boy Dog Food	10.0	10.6	2.0	2.2	1.0	1.1
THE GREAT ATLANTIC & PACIFIC TEA COMPANY, NEW YORK, NEW YORK						
Daily Cat Food	11.0	14.2	2.0	5.2	1.5	.9
Daily Diet 3, Tasty Liver Flavor Dog Food	12.0	11.8	3.0	3.0	1.5	1.4
GRO-MO, INC., RUSSELLVILLE, KENTUCKY						
Grump-E Dog Food	10.0	9.6	.3	4.2	.6	.5
HILL PACKING COMPANY, TOPEKA, KANSAS						
Hill's Dog Food	12.0	16.2	3.0	4.6	1.0	.6
Hill's Dog Food	12.0	12.3	5.0	4.7	1.0	.5
HULMAN & COMPANY, EVANSVILLE, INDIANA						
Rex Dog Food	10.0	9.6	2.0	2.0	1.5	1.1
INTERSTATE FOODS OF AMERICA, BEDFORD, OHIO						
A B C Diet Dog Food	10.0	11.3	2.0	6.4	1.2	1.7
KASCO MILLS, TOLEDO, OHIO						
Kasco Complete Dog Food	25.0	27.4	8.0	9.7	4.0	3.0
MAGIC FEED MILLS, PAOLI, INDIANA						
Magic Dog Food	25.0	29.4	4.0	4.4	5.0	3.1
S. E. MIGHTON COMPANY, BEDFORD, OHIO						
Spot Dog & Cat Food	10.0	10.1	2.0	2.1	1.2	1.6
Pet Dog Food	10.0	10.4	2.0	3.0	1.0	1.4
Doggie Dinner Dog Food	10.0	10.5	2.0	2.8	1.0	1.5
Doggie Dinner Dog Food	10.0	9.9	2.0	3.1	1.0	1.5
Valor Dog Food	10.0	10.5	2.0	2.0	1.0	1.3
Terry Dog Food	10.0	10.5	2.0	2.5	1.0	1.5
MORGAN PACKING COMPANY, AUSTIN, INDIANA						
** King Karlo Dog Food	8.0	8.2	2.0	2.3	1.0	.9**
Above guarantee in moisture						
** King Karlo Dog Food	8.0	----	2.0	---	1.0	---
Checked for moisture only						
Satisfactory						
King Karlo Dog Food	8.0	9.5	2.0	4.5	1.0	.9
JOHN MORRELL & COMPANY, OTTUMWA, IOWA						
Red Heart Dog Food, Beef Flavor	10.5	10.4	2.5	3.5	1.0	.6
Red Heart Dog Food, Beef Flavor	10.5	11.5	2.5	2.5	1.0	.8
Red Heart Dog Food, Liver Flavor	10.5	11.8	2.5	2.5	1.0	.8
Red Heart Dog Food, Fish Flavor	10.5	11.1	2.5	4.7	1.0	.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
NATIONAL OATS COMPANY, EAST ST. LOUIS, ILLINOIS						
Corno Dog Food	24.0	28.4	4.0	5.8	5.0	3.8
CHARLES NUNN & SONS MILLING COMPANY, EVANSVILLE, INDIANA						
Nun Better Dog Food	10.0	10.5	2.0	1.9	1.0	1.4
ORLEANS CANNING COMPANY, CHICAGO, ILLINOIS						
** Orleans Dog Food	15.0	<u>14.0</u>	3.0	14.2	1.5	.5**
Excess fat						
OWENSBORO MILLING COMPANY, INC., OWENSBORO, KENTUCKY						
Trutest Dog Food	26.0	28.4	4.5	5.6	4.5	3.3
PEDRICK LABORATORIES, SAND SPRINGS, OKLAHOMA						
** Vigo 100 Dog Food	18.0	18.5	4.0	<u>8.8</u>	1.0	.2
Excess fat						
PERFECTION FOODS COMPANY, BATTLE CREEK, MICHIGAN						
Perfection Dog Food	10.0	10.7	2.0	1.5	1.0	1.2
PERK DOG FOOD COMPANY, VETS. DIV., CHICAGO, ILLINOIS						
Vets Dog Food	10.0	10.0	2.0	2.1	1.5	1.1
** Vets Dog Food	10.0	10.5	2.0	<u>1.3</u>	1.5	1.5**
Below guaranty in fat						
** Vet's Dog Food	10.0	10.8	2.0	<u>1.2</u>	1.5	---**
Below guaranty in fat						
Vets Dog Food	10.0	11.2	2.0	1.5	1.5	1.4
Vets Dog Food	10.0	----	2.0	2.2	1.5	---
Peak All Beef By-Product	14.0	13.8	7.0	9.0	1.0	.5
Peak 100% Horse Meat Dog Food	17.0	16.8	7.5	12.5	1.0	.3
PET FOOD PACKERS, WASHINGTON C. H., OHIO						
Bounce Dog Food	10.0	10.3	2.0	1.5	1.5	1.3
PILLSBURY MILLS, CLINTON, IOWA						
Pillsbury's Best Dog Food	24.0	25.0	5.0	6.3	4.5	3.4
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS						
Ken-L-Ration Dog Food for All Breeds	10.0	9.9	4.0	6.0	1.0	.5
Ken-L-Ration Dog Food for All Breeds	10.0	11.9	4.0	5.1	1.0	.6
Quick Ken-L-Ration	23.0	24.8	6.0	7.5	5.0	3.3
Ken-L-Biskit	23.0	23.9	4.0	5.2	3.0	2.3
C. B. RAGLAND COMPANY, NASHVILLE, TENNESSEE						
Mitzie Dog Food	10.0	10.1	2.0	1.9	1.5	1.8
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI						
** New Purina Dog Chow	24.0	26.4	7.0	<u>5.7</u>	5.0	2.5**
Below guaranty in fat						
New Purina Dog Chow	24.0	26.0	7.0	7.1	5.0	2.8
New Purina Dog Chow	24.0	26.4	7.0	7.8	5.0	3.3
RIVAL PACKING COMPANY, CHICAGO, ILLINOIS						
Rival Dog Food	11.5	11.4	2.5	2.9	1.0	1.4
Rival Dog Food	11.5	12.0	2.5	2.9	1.0	1.3

\*\*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
RYDE & COMPANY, CHICAGO, ILLINOIS Ryde's Flaked Dog Food	25.0	27.4	4.0	4.1	4.5	3.3
THE SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI Gristo Dog Food	26.0	27.1	6.0	7.2	5.5	5.0
SOUTHERN CANNING SALES, INC., HOUSTON, TEXAS ** Pet-Agree Dog Food	8.0	8.1	2.0	<u>.5</u>	1.2	1.6**
SOUTHERN STATES COOPERATIVE, RICHMOND, VIRGINIA Red Ranger Dog Food	12.5	13.4	4.5	6.7	.5	.4
SUPREME MILLS, GLASGOW, KENTUCKY Premo Dog Food	26.0	29.9	4.0	7.2	5.0	3.4
SWIFT & COMPANY, CHICAGO, ILLINOIS Pard Swift's Dog Food	10.5	10.1	2.5	5.7	1.0	.5
Pard Swift's Dog Food	10.5	11.0	2.5	5.0	1.0	.6
U. B. C. DISTRIBUTORS, INC., CHICAGO, ILLINOIS ** Jumper Dog Food	10.0	<u>9.1</u>	2.0	<u>1.0</u>	1.5	1.6**
Below guaranty in protein and fat						
WESTERN GRAIN COMPANY, BIRMINGHAM, ALABAMA Jim Dandy Hi Energy Dog Ration	24.0	27.8	7.0	10.0	5.0	3.7
WILSON & COMPANY, INC., CHICAGO, ILLINOIS Ideal Dog Food	10.0	9.5	2.0	2.9	1.0	.7
Ideal Dog Food	10.0	10.8	2.0	3.7	1.0	.6

\*\*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 Feeds Poultry Mixer	36.0	38.3	4.0	4.4	6.5	5.5	3.7	3.8	1.0	1.2	.001	----	1.3	1.6
** Wayne 42% Dairy Mixing Supplement "S"	42.0	43.9	1.0	2.1	8.0	11.0	2.0	2.4	.7	1.2	.0008	----	3.7	1.9**
Very much above guaranty in fiber														
Wayne 42% Dairy Mixing Supplement	42.0	44.8	1.0	2.0	8.0	5.9	2.0	2.9	.7	1.2	.0008	----	3.7	1.9
** 0.0011 Diethylstilbestrol Mixture Incorporated in Wayne Beef Balancer	32.0	35.8	1.5	2.3	8.0	6.0	1.7	2.1	.5	.7	.0004	----	3.0	1.7**
0.35% excess non-protein nitrogen from urea														
.0011% Diethylstilbestrol Mixture (for Fattening Beef Cattle only) incorporated in Wayne Beef Balancer	32.0	----	1.5	----	8.0	----	1.7	----	.5	----	.0004	----	3.0	----
** Wayne Roughage - Supplement "AA"	34.0	37.2	2.0	1.8	10.0	9.0	1.5	1.7	.8	1.1	.0008	----	2.5	3.5**
0.3% excess non-protein nitrogen from urea														
Wayne Roughage Supplement "AA"	34.0	----	2.0	----	10.0	----	1.5	----	.8	----	.0008	----	2.5	.5
Wayne Hog Balancer	35.0	35.5	1.5	2.0	8.0	6.0	3.0	3.8	1.0	1.1	.0003	----	3.0	2.1
ANDREWS MILL, RUSSELLVILLE, KENTUCKY														
** Super 35% Dairy Concentrate	35.0	37.2	2.5	1.3	10.0	8.3	2.0	2.2	1.0	1.0	.0002	----	2.5	2.9**
** Super 40% Hog Concentrate	40.0	42.1	3.0	9.7	6.0	4.4	2.0	5.3	1.0	1.7	.0002	----	1.5	3.3**
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY														
Red "A" 34% Protein Poultry Supplement	34.0	35.3	2.0	1.9	8.0	6.9	3.8	3.5	1.6	1.3	.0005	----	3.5	2.6

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## 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
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY (Con't)														
Red "A" 34% Protein Poultry Supplement	34.0	38.5	2.0	1.7	8.0	6.4	3.8	3.4	1.6	1.5	.0005	---	3.5	2.6
Red "A" 16% Cage Layer Ration	16.0	17.4	3.0	4.6	5.5	4.9	2.1	2.5	.8	1.0	.0005	---	1.0	.6
Red "A" 44% Dairy Supplement	44.0	40.5	1.5	2.2	8.0	6.6	3.0	3.2	2.0	.8	.0007	---	2.5	2.8**
** Very much below guaranty														
in protein														
Red "A" 32% Protein Dairy Supplement	32.0	32.6	3.0	4.5	8.5	6.7	1.1	1.5	.5	.6	.0005	---	3.0	.9
Red "A" 32% Protein Dairy Supplement	32.0	33.2	3.0	4.3	8.5	7.6	1.1	1.4	.5	.6	.0005	---	3.0	.9
Red "A" 33% Beef Cattle Supplement Concentrate	33.0	33.8	1.5	2.5	6.0	5.4	3.0	2.6	1.3	1.1	.0008	---	3.0	1.7
.0011% Diethylstilbestrol Mix inc. in Red "A" Beef Concentrate	33.0	36.4	1.5	2.1	6.0	5.6	3.0	3.9	1.3	2.2	.0008	---	3.0	2.5
Aubrey's .0011% Diethylstilbestrol mix in Red "A" Beef Cattle Concentrate	33.0	32.8	1.5	1.9	6.0	5.6	3.0	2.3	1.3	.8	.00083	---	3.0	1.8
Red "A" 40% Hog Supplement	40.0	41.0	1.5	2.2	7.0	5.3	3.0	3.5	.8	1.1	.00212	---	3.0	2.0
Red "A" 40% Hog Supplement	40.0	41.1	1.5	1.9	7.0	5.2	3.0	3.7	.8	1.1	.00212	---	3.0	2.2
Red "A" 40% Hog Supplement Pellets	40.0	40.4	1.5	2.0	7.0	5.7	3.0	3.1	.8	1.0	.00212	---	3.0	2.0
Red "A" 40% Hog Supplement Pellets	40.0	39.4	1.5	2.5	7.0	6.7	3.0	3.5	.8	.8	.00212	---	3.0	2.4
Red "A" 40% Hog Supplement Meal	40.0	41.5	1.5	1.9	7.0	5.2	3.0	3.4	.8	1.2	.00212	---	3.0	2.3
Red "A" 40% Hog Supplement	40.0	40.1	1.5	2.5	7.0	5.3	3.0	3.9	.8	1.3	.00212	---	2.0	1.3
Red "A" 40% Hog Supplement	40.0	42.1	1.5	2.1	7.0	5.7	3.0	3.3	.8	1.1	.00212	---	3.0	2.2
Red "A" 35% Sow & Pig Concentrate	35.0	38.4	1.5	1.8	9.0	7.0	3.0	3.1	.8	1.0	.0015	---	1.5	1.6
Red "A" 35% Sow & Pig Concentrate	35.0	35.1	1.5	6.7	9.0	7.2	3.0	3.3	.8	1.2	.0015	---	2.5	1.7

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														
** 32% Poultry Supplement	32.0	34.6	4.5	7.4	7.5	5.7	5.5	3.1	1.5	1.5	.001	-----	3.2	2.0**
.0022% Diethylstilbestrol Mixture inc. in Pro Blend "50" for fattening Beef Cattle	50.0	52.0	3.0	---	6.0	6.3	---	---	---	---	---	-----	---	---
** .0022% Diethylstilbestrol in Pro-Blend "50" for Fattening Beef Cattle	50.0	44.5	3.0	4.1	6.0	8.6	1.7	2.0	1.2	.8	.0001	-----	3.5	2.7**
Very much below guaranty in protein and above guaranty in fiber														
** .0022% Diethylstilbestrol Mixture (For Fattening Beef Cattle) incorporated in Pro-Blend "50" 0.2% excess non-protein nitrogen from urea	50.0	49.8	3.0	4.1	6.0	5.6	1.7	1.9	1.2	.8	.0001	-----	3.5	2.6**
** .0022% Diethylstilbestrol Mixture inc. in Pro-Blend "50" 1.20% excess non-protein nitrogen from urea	50.0	53.2	3.0	5.4	6.0	4.7	1.7	1.9	1.2	1.0	.0001	-----	3.5	3.2**
** 0.0022% Diethylstilbestrol Mixture inc. in Pro-Blend "50" Very much below guaranty in protein	50.0	47.9	3.0	4.7	6.0	3.8	1.7	3.4	1.2	1.6	.0001	-----	3.5	2.6**
0.0022% Diethylstilbestrol Mixture inc. in Pro-Blend "50"	50.0	52.3	3.0	4.8	6.0	5.2	1.7	2.1	1.2	1.1	.0001	-----	3.5	3.0
.00147% Diethylstilbestrol Mix inc. in Pro-Blend "50"	50.0	47.1	3.0	6.8	6.0	5.2	1.7	1.9	1.2	1.0	.0001	-----	3.5	3.1**
** Pro-Blend "50" 0.3% excess non-protein nitrogen from urea	50.0	52.3	3.0	3.6	6.0	5.2	1.7	2.0	1.2	1.0	.0001	-----	3.5	3.0**
Pro-Blend "50"	50.0	53.3	3.0	4.0	6.0	5.2	1.7	1.6	1.2	---	.0001	-----	3.5	---
.00147 Diethylstilbestro Mix inc. in Pro Blend "50"	50.0	47.1	3.0	6.8	6.0	5.2	1.7	1.9	1.2	1.0	.0001	-----	3.5	3.1**
Very much below guaranty in protein														

## 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)														
** Pro-Blend "50"	50.0	55.8	3.0	4.3	6.0	5.6	1.7	1.7	1.2	.8	.0001	----	3.5	2.9**
2.90% excess non-protein nitrogen from urea														
** Pro-Blend "50"	50.0	51.4	3.0	3.8	6.0	5.8	1.7	1.7	1.2	.9	.0001	----	3.5	2.6**
0.1% excess non-protein nitrogen from urea														
** Pro-Blend "50"	50.0	45.3	3.0	4.6	6.0	6.4	1.7	1.8	1.2	1.0	.0001	----	3.5	2.6**
Very much below guaranty in protein														
Pro-Blend "50"	50.0	50.3	3.0	5.5	6.0	5.4	1.7	1.9	1.2	1.0	.0001	----	3.5	3.0
** Pro-Blend "50"	50.0	53.4	3.0	6.5	6.0	5.4	1.7	1.5	1.2	.8	.0001	----	3.5	2.9**
0.7% excess non-protein nitrogen from urea														
Pro-Blend "50"	50.0	52.3	3.0	4.2	6.0	5.4	1.7	1.7	1.2	.6	.0001	----	3.5	3.0
** Pro-Blend "50"	50.0	50.6	3.0	4.7	6.0	4.6	1.7	1.7	1.2	1.1	.0001	----	3.5	2.8**
2.10% excess non-protein nitrogen from urea														
** Pro-Blend "50"	50.0	55.6	3.0	4.5	6.0	5.8	1.7	1.9	1.2	1.0	.0001	----	3.0	3.2**
5.10% excess non-protein nitrogen from urea														
** Pro-Blend "50"	50.0	53.2	3.0	4.7	6.0	5.2	---	---	---	---	---	----	---	----
2.6% excess non-protein nitrogen from urea														
** Pro-Blend "50"	50.0	54.3	3.0	---	6.0	---	1.7	1.5	1.2	---	.0001	----	3.5	----
2.3% excess non-protein nitrogen from urea														
** Pro-Blend "50"	50.0	53.5	3.0	---	6.0	---	1.7	1.8	1.2	---	.0001	----	3.5	----
1.3% excess non-protein nitrogen from urea														

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)														
** Pro-Blend "50" 1.3% excess non-protein nitrogen from urea	50.0	50.7	3.0	---	6.0	---	1.7	2.0	1.2	---	.0001	---	3.0	---
** Pro-Blend "50" 2.6% excess non-protein nitrogen from urea	50.0	53.5	3.0	5.0	6.0	4.6	1.7	1.8	1.2	1.0	.0001	---	3.5	2.8**
** Pro-Blend "50" 0.2% excess non-protein nitrogen from urea	50.0	52.6	3.0	4.3	6.0	5.2	1.7	1.9	1.2	1.1	.0001	---	3.5	2.9**
** .0011% Diethylstilbestrol Mixture in 30% Beef Supplement 0.9% excess non-protein nitrogen from urea	30.0	32.0	2.0	2.0	11.0	11.5	1.5	1.3	1.0	.8	.0001	---	2.5	2.0**
** .0011% Diethylstilbestrol mixture (For fattening Beef Cattle Only) incorporated in 30% Beef Supplement	30.0	31.8	2.0	2.7	11.0	9.9	1.5	1.8	1.0	1.1	.0001	---	2.5	1.6
** Beef Supplement 1.9% excess non-protein nitrogen from urea	30.0	34.8	2.0	1.8	11.0	11.4	1.5	1.0	1.0	.9	.0001	---	2.5	1.7**
** Beef Supplement 0.2% excess non-protein nitrogen from urea	30.0	32.1	2.0	2.4	11.0	11.7	1.5	1.4	1.0	.9	.0001	---	2.5	1.9**
** Beef Supplement 0.2% excess non-protein nitrogen from urea	30.0	31.4	2.0	2.5	11.0	9.5	1.5	1.4	1.0	1.0	.0001	---	2.5	2.3
** Beef Supplement 40% Porkmaker (For hogs on pasture)	30.0	33.0	2.0	1.9	11.0	12.1	1.5	.7	1.0	.6	.0001	---	2.5	2.5**
** 40% Porkmaker (For hogs on pasture)	40.0	40.7	4.0	7.2	5.0	4.9	3.5	3.5	1.5	1.6	.0001	---	2.2	2.0
** 40% Porkmaker (For hogs on pasture)	40.0	40.3	4.0	5.5	5.0	5.0	3.5	3.6	1.5	1.7	.0001	---	2.2	2.0
** 40% Porkmaker	40.0	41.2	4.0	6.0	5.0	4.6	3.5	4.2	1.5	1.8	.0001	---	2.2	1.2
** 35% Sow & Pig Supplement	35.0	36.2	3.0	4.0	8.5	5.3	2.7	3.4	1.5	1.6	---	---	1.5	1.8
** 35% Sow & Pig Supplement	35.0	36.4	3.0	5.2	8.5	7.0	2.7	2.7	1.5	1.4	.0001	---	2.2	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)														
35% Sow & Pig Supplement (For Hogs not on pasture)	35.0	38.5	3.0	4.2	8.5	7.7	2.7	2.5	1.5	1.2	.0001	----	2.2	1.8
35% Sow & Pig Supplement (For Hogs not on pasture)	35.0	36.4	3.0	4.2	8.5	5.9	2.7	2.7	1.5	1.4	.0001	----	2.2	1.8
35% Sow & Pig Supplement (For Hogs not on pasture)	35.0	34.6	3.0	3.6	8.5	4.2	2.7	3.2	1.5	1.5	.0001	----	2.2	2.3
CUSTOM FEED MILLS, MORGANFIELD, KENTUCKY														
** Custom Maid 35% Sow & Pig Supplement	35.0	35.8	3.5	4.3	9.0	6.5	3.5	5.5	1.5	2.0	.001	---	2.0	2.6**
DEARBORN MILLS, AURORA, INDIANA														
Dearborn 32% Protein Dairy Supplement A	32.0	34.7	1.0	1.8	6.0	5.6	1.9	1.4	.9	1.1	.0002	----	2.0	1.8
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO														
** Tuxedo 44% Dairy Supplement	44.0	42.7	2.0	2.4	8.5	7.3	3.0	2.2	.5	.8	.00036	----	1.5	1.7**
** Tuxedo 44% Dairy Supplement .0011% Diethylstilbestrol Mixture (For Fattening Beef Cattle) inc. in Tuxedo Big A Steer Supplement	44.0	43.8	2.0	2.5	8.5	6.8	3.0	1.7	.5	.7	.00036	----	1.5	1.6**
Tuxedo Big Forty (Hog Supplement)	40.0	41.1	2.5	2.3	7.0	6.2	4.0	3.6	1.3	1.0	.00133	----	1.7	1.3
Tuxedo Big Forty (Hog Supplement)	40.0	42.7	2.5	2.3	7.0	5.6	4.0	3.7	1.3	1.1	.00133	----	1.7	1.1
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA														
Red Rose 32% Dairy Supplement	32.0	34.5	2.5	2.3	9.0	8.0	1.5	1.8	.7	1.0	----	----	3.0	2.3
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE														
** .0011% Diethylstilbestrol Mix inc. in Famous 32% Beef Cattle Supplement	32.0	34.6	1.0	.7	9.0	11.2	2.5	2.3	1.2	1.2	.0004	----	2.5	2.0**
Very much above guaranty in fiber														
Excess cottonseed hulls														

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 (Cont'd)														
** Famous Brand 33% Protein Dairy Concentrate	33.0	----	1.0	---	9.0	12.7	3.0	1.7	1.0	1.1	.0004	----	2.0	1.3**
Very much above guaranty in fiber														
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY														
** Producer 44% Dairy Concentrate	44.0	47.7	2.5	4.1	9.0	6.4	2.0	1.2	.6	.7	----	----	2.5	.8**
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA														
Larro Surelay 26	26.0	27.1	2.5	3.5	9.0	6.9	2.0	2.5	1.5	1.4	----	----	1.5	1.4
** Larro Suremilk 50	50.0	55.0	.5	1.4	8.0	5.7	2.5	2.7	1.7	1.6	.001	----	2.5	2.0**
1.6% excess non-protein nitrogen from urea														
Larro Surepork 35	35.0	36.3	2.0	2.6	10.0	6.2	2.5	2.0	1.0	1.0	.0002	----	2.5	1.4
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS														
Pioneer 32% Dairy	32.0	32.2	2.0	2.1	7.0	6.5	3.0	3.6	1.0	1.2	.005	----	1.5	1.5
Pioneer Hog Balancer	36.0	36.3	3.0	3.7	7.0	5.5	3.5	3.1	1.5	1.1	.002	----	2.0	.9
Pioneer Hog Balancer	36.0	39.6	3.0	3.8	7.0	6.3	3.5	3.0	1.5	1.1	.002	----	2.0	2.2
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY														
** Thoroughbred Hog Supplement 40%	40.0	43.5	3.0	2.3	7.0	4.3	4.0	3.5	2.0	1.1	.0002	----	2.0	2.5**
** Thoroughbred Hog Supplement 40%	40.0	36.6	3.0	2.6	7.0	4.9	4.0	4.2	2.0	1.2	.0002	----	2.0	2.8**
Very much below guaranty in protein														
McMILLEN FEED MILLS, FORT WAYNE INDIANA														
Master Mix Free Choice Turkey Grower Concentrate	30.0	30.1	1.5	2.9	8.0	7.0	4.2	4.2	1.3	1.5	----	----	1.2	1.4
Master Mix Chick Concentrate	36.0	36.4	4.0	3.8	5.5	4.6	3.2	4.5	1.1	1.5	.0004	----	1.8	1.6
Master Mix Breeder Concentrate	34.0	34.6	2.5	4.4	7.5	6.4	5.0	4.5	1.9	1.6	.0004	----	1.5	1.2
** Master Mix Egg Concentrate	42.0	42.8	6.0	4.3	4.0	3.8	3.2	4.3	1.7	1.9	----	----	1.5	1.2**

## 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
McMILLEN FEED MILLS, FORT WAYNE, INDIANA (Cont'd)														
Master Mix Egg Concentrate	42.0	44.1	6.0	7.4	4.0	3.5	3.2	4.0	1.7	1.5	.0004	----	1.5	1.1
Master Mix Layer Concentrate	34.0	33.5	2.5	3.6	7.5	7.3	5.0	5.7	1.7	1.3	.0004	----	1.5	1.3
Master Mix Layer Concentrate	34.0	34.3	2.5	4.0	7.5	7.4	5.0	5.5	1.5	1.3	.0004	----	1.5	.8
Master Mix 44% Dairy Supplement	44.0	44.1	1.0	1.4	9.5	7.6	3.2	3.7	1.1	1.2	.0004	----	3.4	2.7**
0.54% excess non-protein nitrogen from urea														
Master Mix 44% Dairy Supplement	44.0	43.8	1.0	1.7	9.5	8.0	3.2	4.1	1.1	1.3	----	----	3.4	2.6
Master Mix 44% Dairy Supplement	44.0	44.3	1.0	1.8	9.5	6.4	3.2	4.2	1.1	1.3	.0004	----	3.4	2.9
Master Blend Dairy Concentrate	33.0	34.3	.5	1.5	9.0	7.4	2.8	4.2	1.0	1.1	.0003	----	3.0	1.9
Master Blend Dairy Concentrate	33.0	34.4	.5	1.4	9.0	8.1	2.8	3.5	1.0	1.0	.0003	----	3.0	1.8**
Master Blend Dairy Concentrate	33.0	33.6	.5	1.4	9.0	9.4	2.8	3.4	1.0	1.1	.0003	----	3.0	2.0**
Master Mix Beef Concentrate	32.0	34.0	1.0	1.2	9.5	9.0	2.2	2.7	1.0	1.1	.0002	----	2.5	2.6
Master Mix 40% Hog Pastur-ate	40.0	40.4	1.0	1.9	6.0	6.4	4.0	4.2	1.2	1.1	.0004	----	2.3	2.4
Master Mix 40% Hog Pastur-ate	40.0	40.2	1.0	1.7	6.0	4.9	4.0	3.9	1.2	1.1	.0004	----	2.3	2.0
Master Mix Pig Concentrate	38.0	40.7	1.5	2.1	8.0	6.5	2.3	2.7	.8	1.1	.0002	----	1.8	1.4
Master Mix 35% Hog Concentrate	35.0	34.8	1.5	2.1	9.0	7.0	4.1	4.5	1.0	1.0	.0005	----	1.8	2.0
MAYFIELD SWEET FEED MILL, MAYFIELD, KENTUCKY														
State Leader 40% Protein Hog Supplement	40.0	43.9	4.0	3.3	7.0	6.7	3.0	4.6	3.0	2.1	----	----	3.0	3.0**
MIDWEST FEED, CINCINNATI, OHIO														
Min-Pro Poultry Concentrate	45.0	43.1	3.5	4.6	4.0	3.1	6.0	8.8	3.2	2.8	----	----	----	----
MILLIKEN SWEET FEED MILL, FRANKLIN, KENTUCKY														
Milliken 36% Protein Poultry Concentrate	36.0	37.9	10.0	10.6	8.0	4.6	3.0	3.5	1.0	1.5	.0004	----	2.0	1.4
Milliken's 36% Hog Concentrate	36.0	36.1	13.5	17.8	5.0	4.7	2.0	6.5	1.0	3.0	.0002	----	2.0	1.2
Milliken's 36% Hog Concentrate	36.0	37.1	13.5	16.0	5.0	4.2	2.0	5.3	1.0	2.1	.0002	----	2.0	1.5



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
<b>MOORMAN MANUFACTURING COMPANY, QUINCY, ILLINOIS</b>														
Moorman's Mintrate Super 5 for Poultry	40.0	40.3	2.0	4.0	6.5	5.6	4.7	5.0	2.0	2.4	.0023	----	3.8	3.7
Moorman's Mintrate for Fattening Cattle	45.0	46.0	2.0	2.6	7.5	6.9	2.0	2.4	1.0	1.1	.0025	----	2.9	2.6
<b>NATIONAL OATS COMPANY, EAST. ST. LOUIS, ILLINOIS</b>														
Corno Layer	20.0	22.0	2.5	4.0	8.0	6.0	2.2	2.7	1.1	1.4	----	----	1.2	.9
Corno Layer	20.0	21.0	2.5	3.6	8.0	5.7	2.2	2.5	1.1	1.2	.0046	----	1.2	.7
Corno Hog Supplement	40.0	39.7	1.0	2.6	7.0	5.4	3.5	4.3	1.5	2.0	----	----	2.5	2.8
Corno Hog Supplement	40.0	39.0	1.0	2.2	7.0	5.1	3.5	4.9	1.5	1.7	.0011	----	2.5	2.5**
Corno Sow & Pig Supplement	26.0	26.0	2.0	3.1	9.5	7.0	2.5	3.1	1.2	1.2	.0007	----	2.1	1.6
<b>OHIO VALLEY SOYBEAN COOPERATIVE, HENDERSON, KENTUCKY</b>														
Cardinal Cattle Supplement	48.0	46.5	.5	1.5	9.0	6.3	2.0	2.9	.8	1.1	----	----	3.0	2.2**
Cardinal Pork Producer 36	36.0	36.4	2.0	3.2	9.0	7.4	3.7	3.4	1.0	1.4	----	----	3.0	1.9
Cardinal Quality Solvent Extracted Soybean Oil Meal with Minerals	40.0	41.0	.4	1.2	8.0	6.9	2.0	2.1	1.0	1.0	----	----	3.0	1.8
<b>PILLSBURY MILLS, INC., CLINTON, IOWA</b>														
Pillsbury's Best Cage Layeration	16.0	16.8	3.5	3.8	5.5	4.6	2.2	2.3	.9	.8	.00012	----	.7	.2
Pillsbury's Best Cage Layeration	16.0	18.3	3.5	5.1	5.5	5.1	2.2	2.2	.9	.9	.00012	----	.7	.8
Pillsbury's Best Cage Layeration	16.0	16.6	3.5	3.9	5.5	4.1	2.2	2.1	.9	.9	.00012	----	.7	.2
Pillsbury's Best Laying Mash	20.0	21.5	3.0	3.7	7.5	8.0	3.0	2.5	1.0	1.2	.00024	----	1.5	.6
Pillsbury's Best Laying Mash	20.0	22.1	3.0	4.4	7.5	8.3	3.0	2.5	1.0	1.1	.00024	----	1.5	.7**
Pillsbury's Best Laying Mash	20.0	20.5	3.0	4.4	7.5	8.2	3.0	2.8	1.0	1.2	.00024	----	1.5	.3
Pillsbury's Best Dairy Mixer 44%	44.0	43.4	1.0	1.9	8.5	5.9	3.5	4.1	1.5	1.5	.0006	----	3.5	2.4
Pillsbury's Best Dairy Mixer 44%	44.0	45.6	1.0	1.8	8.5	6.5	3.5	3.4	1.5	1.4	.0006	----	3.5	2.1
Concentrate	32.0	32.6	1.5	1.5	8.0	7.4	3.0	4.0	1.0	1.1	.0004	----	2.5	1.9
Pillsbury's Best 32% Dairy Concentrate	32.0	33.9	1.5	2.1	8.0	6.2	3.0	2.8	1.0	1.2	.0004	----	2.5	2.0

Quarterly Report on Feed Samples, 1956

## 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
<b>PILLSBURY MILLS, INC., CLINTON, IOWA (Cont'd)</b>														
Pillsbury's Best 24% Dairy Feed	24.0	26.5	2.5	2.7	8.5	6.8	1.4	1.6	.7	1.0	.0002	----	1.7	2.0
Pillsbury's Best Hog Concentrate	40.0	40.4	1.5	3.1	7.5	6.7	3.0	3.7	1.0	.9	.00048	----	2.5	2.6
Pillsbury's Best Hog Balancer	35.0	36.8	1.0	1.5	6.5	5.5	3.7	4.3	1.0	1.0	.0003	----	3.0	2.6
Pillsbury's Best Arsanilic Acid Mixture incorporated into Pillsbury's Best Maxi-Meal Hog Concentrate	32.0	32.8	1.5	3.0	8.0	5.8	3.5	3.7	1.5	1.7	.00048	----	2.5	1.3
<b>PROVICO FEED &amp; CONCENTRATES, CINCINNATI, OHIO</b>														
Provico 40% Hog Supplement	40.0	41.8	4.0	5.1	7.0	5.9	3.0	4.4	1.2	1.2	.0003	----	2.5	3.1
<b>PURCELL SEED COMPANY, INC., EVANSVILLE, INDIANA</b>														
Purcell's All Purpose Mineral Mixture	----	----	----	----	----	----	30.0	30.0	1.5	1.8	.06	----	10.0	10.4
Judge 40% Hog Supplement	40.0	38.6	2.5	3.3	7.0	7.0	3.5	5.3	1.5	1.2	----	----	1.0	1.5**
Judge 40% Hog Supplement	40.0	39.8	2.5	2.8	7.0	6.6	3.5	4.5	1.5	1.1	.0035	----	1.0	1.6**
Judge 40% Hog Supplement	40.0	41.6	2.5	3.3	7.0	6.5	3.5	4.8	1.5	1.2	.0035	----	1.0	1.2
<b>THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS</b>														
Ful-O-Pep Growing Mash (Pep-Ettes)	19.0	19.8	3.5	4.0	8.0	--	2.0	1.3	1.0	----	.00015	----	1.6	----
Ful-O-Pep 40% Dairy Concentrate (L)	40.0	42.3	1.0	.9	11.0	9.9	1.0	1.5	.7	.7	.00002	----	3.5	1.0
Ful-O-Pep Hog Drylot Supplement	36.0	36.0	1.5	2.4	10.0	8.8	3.0	2.0	1.0	1.0	.0001	----	1.8	1.4**
Ful-O-Pep Hog Drylot Supplement (L)	36.0	----	3.0	----	10.0	----	3.0	3.0	1.0	----	.0001	----	1.8	----
<b>RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI</b>														
Purina Chicken Chowder	36.0	38.8	3.5	5.4	9.0	4.9	5.5	6.1	2.0	2.5	----	----	3.0	2.6
Purina Chicken Chowder	36.0	37.2	3.5	3.9	9.0	5.5	5.5	5.6	2.0	2.3	.0004	----	3.0	2.1
Purina Chicken Chowder	36.0	35.5	3.5	4.8	9.0	6.5	5.5	6.2	2.0	2.3	.0004	----	3.0	2.7

Protein and Mineral Feeds and Mineral Feeds

Quarterly Report on Feed Samples, 1956

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, (Cont'd)														
Purina Chow Chow Concentrate	32.0	---	1.5	---	10.0	---	2.5	3.1	1.0	---	.00035	---	2.5	---
Purina Chow Chow Concentrate	32.0	33.7	1.5	2.2	10.0	6.3	2.5	4.6	1.0	1.5	.00035	---	2.5	2.4
Purina Cow Chow Concentrate	32.0	36.5	1.5	1.6	10.0	6.7	2.5	1.4	1.0	1.1	.00035	---	2.5	2.0**
Purina Cow Chow Concentrate	32.0	34.6	1.5	2.1	10.0	5.8	2.5	2.8	1.0	1.2	.00035	---	2.5	2.0
Purina Cow Chow Concentrate	32.0	---	1.5	---	10.0	---	2.5	3.5	1.0	---	.00035	---	2.5	---
Purina Cow Chow Concentrate	32.0	---	1.5	---	10.0	---	2.5	3.7	1.0	---	.00035	---	2.5	---
Purina Cow Chow Concentrate	32.0	---	1.5	---	10.0	---	2.5	2.8	1.0	---	.00035	---	2.5	---
Purina Cow Chow Concentrate	32.0	---	1.5	---	10.0	---	2.5	2.8	1.0	---	.00035	---	2.5	---
Purina Cow Chow Supplement	24.0	26.1	2.5	2.0	11.0	7.3	1.5	1.7	.9	1.0	.00035	---	2.5	1.5
Purina Hog Chow Supplement (For Pasture)	40.0	41.7	2.5	2.9	8.0	3.7	4.0	4.7	1.8	---	.0003	---	3.0	2.3
Purina Hog Chow Supplement	36.0	37.8	2.0	1.4	10.0	5.1	4.0	4.3	1.8	2.0	.0003	---	3.0	1.9**
Purina Hog Chow Supplement	36.0	37.7	2.0	4.2	10.0	5.9	4.0	4.6	1.8	2.1	.0003	---	3.0	2.4
Purina Sow & Pig Chow Supplement	32.0	32.8	2.5	2.5	9.0	5.8	3.0	4.3	1.6	1.5	---	---	3.0	2.2
ROSS FEED COMPANY, MURRAY, KENTUCKY														
Standard Brand Poultry Mash Concentrate	34.0	35.2	2.0	4.4	9.0	8.5	4.1	3.9	1.5	1.5	.0019	---	.5	.6
RYDE & COMPANY, CHICAGO, ILLINOIS														
Ryde's Nutritive Minerals	---	---	---	---	---	---	22.0	23.5	3.0	3.4	.003	---	10.0	9.8
THE SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI														
** Gristo 40% Hog Pellets	40.0	---	3.0	---	7.5	---	5.3	3.8	2.3	1.8	---	---	3.0	2.3**
STALEY MILLING COMPANY, KANSAS CITY, MISSOURI														
** Atomix 36% Poultry Concentrate	36.0	35.8	2.0	2.5	8.0	5.5	4.5	3.8	1.7	1.5	.0004	---	1.0	1.4**
Staley Pro-Lass Hog Supplement	35.0	36.5	1.5	1.6	8.0	5.8	3.0	3.2	1.0	1.4	.0004	---	1.0	1.0
SWEET FEED, HOPKINSVILLE, KENTUCKY														
Pratts 34% Steer Concentrate	34.0	35.9	2.0	1.9	9.5	5.3	2.0	1.9	.7	.9	---	---	2.1	2.6

## 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
SWIFT & COMPANY, CHICAGO, ILLINOIS														
** Pow-R-Pac Brand Laying Concentrate	34.0	37.2	4.0	2.7	9.5	7.0	3.7	5.0	1.2	1.6	.0001	----	2.5	2.0**
Swift's Pork Builder	40.0	40.5	2.5	3.8	8.0	5.6	3.0	2.7	1.0	1.1	.0003	----	2.0	1.0
Swift's Sow & Pig Concentrate														
Pow-R-Pack Brand	35.0	36.5	4.0	3.8	8.5	6.7	3.2	3.7	1.2	1.4	----	----	1.5	1.3
VIRGINIA-CAROLINA CHEMICAL COMPANY, HOPKINSVILLE, KENTUCKY														
Cumberland Bone Builder	----	----	----	----	----	----	25.0	24.0	5.0	5.0	----	----	20.0	20.2
VITALITY MILLS, INC., CHICAGO, ILLINOIS														
Vitality 32% Milk & Body Builder Supplement	32.0	37.4	2.0	2.0	10.0	6.1	1.7	2.7	.7	1.0	.00039	----	2.5	.2

## REPORT OF OFFICIAL FEED SAMPLES ANALYZED

October, November, December, 1956

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
THE ABILENE FLOUR MILLS COMPANY, ABILENE, KANSAS						
** Wheat Gray Shorts & Ground Wheat Screenings Contained mixed screenings	16.0	16.8	3.5	4.5	6.0	<u>7.0</u> **
ALBANY MILLS, ALBANY, KENTUCKY						
Mixed Feed	11.5	13.5	3.0	3.1	5.0	5.5
ALLIED MILLS, CHICAGO, ILLINOIS						
Wayne Egg Mash	20.0	21.6	3.0	2.8	7.0	6.6
Wayne Egg Mash	22.0	23.3	4.0	4.2	4.5	4.3
Wayne Egg Mash Krums	22.0	23.8	4.0	4.0	4.5	3.8
Wayne Mash Layer	20.0	21.7	3.0	3.3	7.0	6.1
Wayne Mash Layer	20.0	23.5	3.0	2.9	7.0	6.2
Wayne Mash Layer	20.0	22.6	3.0	3.6	7.0	6.3
Universal Egg Mash (All Mash Feed)	18.0	20.2	4.0	4.5	4.0	3.8
Wayne Cage Layer "S" (An all Mash Feed) Krums	18.0	19.2	3.0	3.9	6.0	5.0
Wayne 16% Dairy	16.0	17.6	3.0	3.3	9.0	7.7
Wayne 16% Dairy	16.0	17.3	3.0	3.3	9.0	7.0
Sugarine 16% Dairy	16.0	18.8	2.5	3.7	11.0	10.8
** Sugarine 16% Dairy 0.2% excess non-protein nitrogen from urea	16.0	21.1	2.5	3.1	11.0	10.5**
Sugarine 16% Dairy	16.0	17.7	2.5	3.7	11.0	11.4
Sugarine 16% Dairy Checked for urea only - satisfactory	16.0	----	2.5	---	11.0	---
Sugarine 16% Dairy	16.0	17.9	2.5	---	11.0	---
Cotton Belt Dairy	16.0	17.8	3.0	3.0	10.0	5.7
Wayne Sweet Bulky Feed	12.0	14.3	1.5	1.9	15.0	13.9
Wayne Horse Feed	9.0	13.7	2.5	3.6	12.0	8.2
Wayne Tail Curler	18.0	18.9	3.0	3.4	5.0	3.7
ANDERSON COUNTY FARM SERVICE, LAWRENCEBURG, KENTUCKY						
16% Dairy Feed	16.0	15.6	2.5	3.6	10.0	5.3
ANGLO SWEET FEED MILL, OWENSBORO, KENTUCKY						
Ace Perfection Brand 35% Protein Dairy Supplement	35.0	35.1	2.5	3.8	10.0	7.4
Ace Perfection Brand 40% Protein Pig & Hog Supplement	40.0	39.7	2.0	4.3	8.0	5.7
ARCADY FARMS MILLING COMPANY, CHICAGO, ILLINOIS						
Arcady 26% Protein Game Bird Grower	26.0	25.9	4.0	4.5	7.0	5.9
Wonderfat Station Feed	14.0	15.3	3.5	3.5	7.0	6.8
ARKANSAS CITY FLOUR MILLS, ARKANSAS CITY, KANSAS						
Wheat Gray Shorts & Wheat Screenings	16.0	16.7	3.5	4.8	6.0	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, INC., LOUISVILLE, KENTUCKY						
Red "A" 21% Turkey Growing & Developing Pellets	21.0	23.2	3.5	3.6	8.0	5.6
Red "A" High Energy Broiler Ration Crumbles	22.0	23.8	3.5	3.8	4.5	4.3
Aubrey's Nicarbazine Mix in Red "A" Broiler Finisher Pellets	17.5	22.9	3.0	3.7	4.0	3.9
Aubrey's 3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazine Mix in Red "A" High Energy Broiler Ration Crumbles	22.0	23.8	3.5	5.9	4.5	3.6
3-Nitro-4-Hydroxyphenylarsonic Acid & Nicarbazine Mix in Red "A" High Energy Broiler Ration Crumbles	22.0	23.3	3.5	3.4	4.5	3.7
Red "A" Breeder Crumbles	20.0	21.7	3.5	3.9	8.0	7.1
Red "A" Laying Mash	20.0	21.5	3.0	3.5	8.0	5.5
Red "A" Laying Mash	20.0	22.2	3.0	4.2	8.0	5.9
Red "A" Laying Mash	20.0	21.6	3.0	3.1	8.0	5.6
Red "A" Laying Mash	20.0	21.1	3.0	4.5	8.0	6.3
Red "A" Laying Crumbles	20.0	21.8	3.0	3.7	8.0	6.0
Red "A" Laying Crumbles	20.0	22.5	3.0	3.2	8.0	5.9
Red "A" Poultry Scratch Feed	9.0	8.8	2.5	2.2	3.0	1.8
** Red "A" 44% Dairy Supplement	44.0	40.8	1.5	3.0	8.0	6.5**
Very much below guaranty in protein						
Red "A" 44% Dairy Supplement	44.0	44.0	1.5	--	8.0	--
Red "A" 32% Protein Dairy Supplement	32.0	32.3	3.0	4.7	8.5	6.7
Red "A" 24% Protein Dairy Feed	24.0	----	3.0	---	10.0	---
Checked for urea only - satisfactory						
Red "A" 24% Protein Dairy Feed	24.0	27.5	3.0	3.6	10.0	6.9
Red "A" 24% Protein Dairy Feed	24.0	27.0	3.0	3.7	10.0	7.0
Red "A" 24% Protein Dairy Feed	24.0	27.0	3.0	3.6	10.0	6.3
** Red "A" 24% Protein Dairy Feed	24.0	30.0	3.0	3.1	10.0	6.9**
1.54% excess non-protein nitrogen from urea						
Red "A" 24% Protein Dairy Feed	24.0	----	3.0	---	10.0	---
Checked for urea only - satisfactory						
Red "A" 24% Protein Dairy Feed	24.0	26.3	3.0	---	10.0	---
** Supreme 24% Protein Dairy Feed	24.0	28.1	3.0	3.8	10.0	7.0**
0.14% excess non-protein nitrogen from urea						
Supreme 24% Protein Dairy Feed	24.0	24.8	3.0	---	10.0	---
** Ful-O-Cream 24% Dairy Feed	24.0	27.9	2.5	3.5	12.0	8.7**
0.74% excess non-protein nitrogen from urea						
Ful-O-Cream 24% Dairy Feed	24.0	25.9	2.5	4.4	12.0	8.5
Ful-O-Cream 24% Dairy Feed	24.0	24.1	2.5	4.2	12.0	7.3
Red "A" 20% Protein Dairy Feed	20.0	21.4	3.0	3.9	10.0	6.8
Red "A" 20% Protein Dairy Feed	20.0	21.5	3.0	4.4	10.0	6.9
Red "A" 20% Protein Dairy Feed	20.0	22.7	3.0	4.3	10.0	6.9
Red "A" 18% Protein Dairy Feed	18.0	19.6	3.0	3.3	8.0	6.3
Red "A" 18% Protein Dairy Feed	18.0	19.2	3.0	3.4	8.0	6.3
Red "A" 18% Protein Dairy Feed	18.0	19.8	3.0	3.9	8.0	6.5
** Red "A" 18% Protein Dairy Feed	18.0	21.5	3.0	4.2	8.0	6.8**
1.38% excess non-protein nitrogen from urea						
** Red "A" 18% Protein Dairy Feed	18.0	----	3.0	---	8.0	----**
0.58% excess non-protein nitrogen from urea						
Checked for Urea 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
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY (Con't)							
**	Red "A" 18% Protein Dairy Feed 1.28% excess non-protein nitrogen from urea	18.0	----	3.0	4.1	8.0	---**
	Red "A" 18% Protein Dairy Feed	18.0	19.3	3.0	3.6	8.0	6.2
	Red "A" 16 1/2% Dairy Feed	16.5	21.2	3.0	5.0	10.0	7.7
**	Red "A" 16 1/2% Dairy Feed 0.28% excess non-protein nitrogen from urea	16.5	20.0	3.0	3.9	10.0	7.9**
	Red "A" 16 1/2% Dairy Feed	16.5	21.9	3.0	---	10.0	---
	Red "A" 40% Hog Supplement Pellets	40.0	40.1	1.5	---	7.0	---
	Red "A" 40% Hog Supplement	40.0	41.4	1.5	---	7.0	---
	Red "A" 18% Sow & Pig Feed	18.0	21.3	3.0	3.1	6.0	5.9
**	Red "A" 18% Sow & Pig Pellets Above guaranty in fiber	18.0	20.0	3.0	3.2	6.0	7.2**
	Red "A" 18% Sow & Pig Pellets	18.0	20.6	3.0	3.0	6.0	5.7
	Red "A" 18% Sow & Pig Pellets	18.0	20.3	3.0	4.0	6.0	5.6
	Red "A" 18% Sow & Pig Pellets	18.0	19.8	3.0	3.5	6.0	6.1
	Red "A" Horse Feed	9.0	9.6	3.0	3.4	8.0	4.2
	Red "A" Horse Feed	9.0	9.8	3.0	3.1	8.0	3.7
	Red "A" Horse Feed	9.0	9.9	3.0	3.4	8.0	4.1
**	Red "A" Wheat Brown Shorts with Ground Wheat Screenings Contained mixed screenings	15.0	17.6	3.5	4.7	7.0	7.4**
	Red "A" Wheat Brown Shorts with Ground Wheat Screenings	15.0	17.8	3.5	4.9	7.0	6.9
	Red "A" Wheat Brown Shorts with Ground Wheat Screenings	15.0	15.7	3.5	4.3	7.0	5.2
	Red "A" Wheat Brown Shorts with Ground Wheat Screenings	15.0	17.5	3.5	4.7	7.0	7.4
	Hominy Feed	10.0	11.5	5.0	6.8	6.0	5.5
	Hominy Feed	10.0	10.8	5.0	6.3	6.0	5.0
AUBURN DEHYDRATING MILLS, INC., AUBURN, ILLINOIS							
**	Prairie Gold Alfalfa Meal Very much above guaranty in fiber Below guaranty in protein	17.0	<u>15.8</u>	1.7	2.3	27.0	<u>30.5**</u>
AUBURN MILLS, INC., AUBURN, KENTUCKY							
**	Leader Mixed Feed Very much below guaranty in protein	15.0	<u>12.6</u>	3.5	3.7	7.5	4.7**
**	Leader Mixed Feed Very much below guaranty in protein	15.0	<u>13.5</u>	3.5	3.6	7.5	5.5**
AYLOR & MYER COMPANY, AURORA, INDIANA							
**	Rainbow 16% Protein Dairy Feed Very much below guarantee in protein	16.0	<u>12.8</u>	3.0	2.7	10.0	8.1**
	44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.4	.5	.5	7.0	5.7
B & L MILLING COMPANY, MEXICO, INDIANA							
	Hominy Feed	9.5	9.2	6.0	7.3	6.0	4.2
BAGDAD ROLLER MILLS; BAGDAD, KENTUCKY							
**	Harrison's All Choice Scratch Above guaranty in fiber	9.0	10.1	2.0	3.8	3.0	<u>4.2**</u>
	Harrison's Hen Scratch	9.0	8.6	2.0	2.4	3.0	1.8
**	Harrison's Nat-Ur-Way 18% Dairy Feed Below guaranty in fat	18.0	21.7	3.5	<u>2.8</u>	10.0	6.9**

\*\*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
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY (Con't)						
Wheat Gray Shorts & Screenings	16.0	15.6	4.0	4.4	6.0	5.3
** Hominy Meal	9.0	<u>7.9</u>	6.0	<u>5.1</u>	8.0	<u>9.1</u> **
Below guaranty in protein and fat						
Above guaranty in fiber						
** Hominy Meal	9.0	8.5	6.0	<u>4.3</u>	8.0	---**
BALLARD & BALLARD, LOUISVILLE, KENTUCKY						
** Ballard's Wheat Brown Shorts with Ground Wheat Screenings not exceeding Mill Run	16.0	<u>15.3</u>	3.5	---	7.5	---**
Below guaranty in protein						
Ballard's Wheat Brown Shorts with Ground Wheat Screenings not exceeding Mill Run	16.0	16.1	3.5	3.9	7.5	4.0
Ballard's Wheat Brown Shorts with Ground Wheat Screenings not exceeding Mill Run	16.0	15.7	3.5	4.7	7.5	6.3
Ballard's Wheat Brown Shorts with Ground Wheat Screenings not exceeding Mill Run	16.0	15.6	3.5	3.3	7.5	6.2
Ballard's Wheat Brown Shorts with Ground Wheat Screenings not exceeding Mill Run	16.0	15.5	3.5	---	7.5	---
** Ballard's Wheat Brown Shorts with Ground Wheat Screenings not exceeding Mill Run	16.0	<u>14.3</u>	3.5	3.1	7.5	5.8**
Below guaranty in protein						
** Ballard's Wheat Brown Shorts with Ground Wheat Screenings not to exceed Mill Run	16.0	<u>14.9</u>	3.5	3.4	7.5	6.1**
Below guaranty in protein						
Ballard's Pure Wheat Brand	14.0	14.7	3.5	3.4	11.0	8.8
BALTIC MILLS, VINCENNES, INDIANA						
Knox County Hominy Feed	10.0	9.6	7.0	7.6	6.0	3.4
Knox County Hominy Feed	10.0	10.1	7.0	8.3	6.0	4.0
BANNER FEED MILLS, HUNTINGTON, WEST VIRGINIA						
Banner 24% Dairy Feed	24.0	26.3	2.5	2.2	15.0	12.3
** Banner 24% Dairy Feed	24.0	23.6	2.5	2.4	15.0	13.4**
Contained unground weed seeds						
BARDSTOWN MILLS, BARDSTOWN, KENTUCKY						
** Blue Ribbon 20% Protein Laying Mash	20.0	20.6	2.5	4.2	8.0	6.5**
Contained feather meal						
Blue Ribbon 20% Protein Dairy Feed	20.0	24.3	3.0	5.8	9.0	7.5
Blue Ribbon 40% Protein Hog Supplement	40.0	42.2	2.5	4.8	8.0	6.7
BARDWELL MILLING COMPANY, BARDWELL, KENTUCKY						
** Dairyman's Choice 16% Dairy Feed	16.0	<u>12.0</u>	2.5	3.0	12.0	8.5**
Very much below guaranty in protein						
Bardwell Special 40% Protein Hog Supplement	40.0	40.2	2.5	3.3	8.0	6.1
Bardwell Special 35% Protein Sow & Pig Supplement	35.0	38.3	2.5	3.5	8.0	7.1

\*\*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
<b>BARNETT-SULLIVAN &amp; COMPANY, HARRODSBURG, KENTUCKY</b>						
** Blue Ribbon Brand 16% Dairy Feed	16.0	16.8	3.0	<u>2.2</u>	10.0	6.8**
<b>BARRY-CARTER MILLING COMPANY, LEBANON, TENNESSEE</b>						
** Liberty Laying Mash	18.0	19.2	2.5	5.2	8.0	<u>8.9**</u>
Liberty Laying Mash	18.0	20.8	2.5	5.1	8.0	6.7
Liberty 40% Hog Supplement	40.0	40.8	2.5	4.0	8.0	6.8
Fortune Hominy Feed	10.0	10.3	5.0	7.5	6.0	5.8
Fortune Hominy Feed	10.0	9.8	5.0	5.1	6.0	5.3
<b>BARTON DISTILLING COMPANY, BARDSTOWN, KENTUCKY</b>						
Corn Distillers Dried Grains with Solubles	26.5	26.1	7.0	7.9	10.0	9.0
Corn Distillers Dried Grains with Solubles	26.5	26.5	7.0	8.4	10.0	8.3
<b>BAUGHMAN MILLING COMPANY, STANFORD, KENTUCKY</b>						
Big B 24% Dairy Feed	24.0	----	3.0	---	10.0	---
Microscopic examination only - Satisfactory						
** Banner Mixed Feed	11.0	11.2	3.5	4.6	11.0	6.7**
Contained rice hulls						
** Banner Mixed Feed	11.0	<u>10.3</u>	3.5	3.1	11.0	7.4**
Contained rice hulls and unground weed seeds						
** Banner Mixed Feed	11.0	<u>8.1</u>	3.5	<u>2.9</u>	11.0	9.6**
Very much below guaranty in protein						
Contained rice hulls						
Banner Mixed Feed	11.0	13.2	3.5	5.8	11.0	6.6
<b>JAMES B. BEAM DISTILLING COMPANY, CLERMONT, KENTUCKY</b>						
26% Protein Corn Distillers Dried Grains	26.0	30.0	6.0	8.3	14.0	14.3
<b>THE BEARDSTOWN MILLS COMPANY, BEARDSTOWN, ILLINOIS</b>						
Critic Pure Wheat Bran	15.0	15.7	3.5	4.1	11.0	7.4
<b>BI-COUNTY FARM BUREAU, ERLANGER, KENTUCKY</b>						
Co-op Pailfiller Brand 20% Dairy Feed	20.0	21.2	2.5	2.6	9.0	5.5
Co-op Milkmaker Brand 16% Protein Dairy Feed	16.0	15.8	2.5	3.0	10.0	4.9
Co-op Porkmaker Brand 16% Protein Hog Ration	16.0	18.5	2.5	3.8	8.0	6.1
<b>BIG FOUR MILLS, COVINGTON, KENTUCKY</b>						
Big Four Starter & Grower Mash	20.0	21.7	3.0	3.2	7.0	6.8
Big Four Laying Mash	20.0	21.9	3.0	3.2	7.0	7.3
Big Four Laying Mash	20.0	19.7	3.0	3.8	7.0	6.1
Big Four Laying Mash	20.0	22.1	3.0	3.4	7.0	6.1
Big Four 24% Dairy Feed	24.0	25.7	3.0	2.6	12.0	8.6
Hi-Lo 24% Dairy Feed	24.0	25.0	2.5	2.3	12.0	6.9
Hi-Lo 24% Dairy Feed	24.0	24.9	2.5	2.2	12.0	12.4
** Hi-Lo 24% Dairy Feed	24.0	24.5	2.5	2.1	12.0	11.3**
Contained unground weed seeds						
** Hi-Lo 16% Dairy Feed	16.0	22.2	2.5	3.0	12.0	<u>14.4**</u>
Very much above guaranty in fiber						
** Hi-Lo 16% Dairy Feed	16.0	20.3	2.5	2.8	12.0	<u>12.6**</u>
** O. K. 16% Dairy Feed	16.0	16.8	2.5	2.8	15.0	<u>17.1**</u>
Very much above guaranty in fiber						

\*\*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, (Con't)						
** Big Four 14% Stock Feed	14.0	17.4	2.5	5.6	10.0	12.0**
Very much above guaranty in fiber						
BIRMINGHAM MILLING COMPANY, BENTON, KENTUCKY						
** Ground Corn	8.5	8.7	4.0	3.4	2.0	2.0**
Crushed Ear Corn & Shuck	7.5	7.8	3.0	3.5	10.0	7.2
BLUE RIVER FEED MILLS, EDINBURG, INDIANA						
Packers Special Feed (65% Ground Corn Cobs, Molasses, Corn Distillers Dried Grains)						
	6.5	7.1	.5	1.4	25.0	12.1
THE BOSWELL COMPANY, ATLANTA, GEORGIA						
Pure Gold Brand 41% Protein Cottonseed Meal						
	41.0	41.8	3.0	3.6	14.0	12.5
BREMCO ALFALFA MILLS, NEW BREMEN, OHIO						
Medo Green Alfalfa Meal with Animal Fat	17.0	18.2	1.5	4.2	27.0	22.7
Bremco 13% Alfalfa Meal	13.0	14.9	1.5	1.3	33.0	31.3
BROCK BROTHERS GRAIN COMPANY, MAYSVILLE, KENTUCKY						
** 14% Dairy Feed (To be used with high protein legume pasture, hay and ensilage)	14.0	15.5	2.5	2.4	10.0	5.5**
0.9% excess non-protein nitrogen from urea						
THE BRODE' CORPORATION, MEMPHIS, TENNESSEE						
Owl Brand 41% Prime Cottonseed Meal	41.0	40.5	3.0	5.7	14.0	12.5
Owl Brand 41% Prime Cottonseed Meal	41.0	41.0	3.0	5.9	14.0	11.4
M. F. BRYANT & SONS MILLING COMPANY, SEBREE, KENTUCKY						
Big B 16% Dairy Feed	16.0	15.5	2.5	2.9	10.0	6.1
THE BUCKEYE CELLULOSE CORPORATION, CINCINNATI, OHIO						
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal						
	44.0	45.1	.5	1.2	7.0	6.0
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal						
	44.0	47.1	.5	1.2	7.0	5.7
BUHNER & COMPANY, LOUISVILLE, KENTUCKY						
Farm Joy 20% Protein Starter & Grower	20.0	21.6	2.5	3.6	7.0	6.1
Happy Farmer Nicarbazin & 3-Nitro Mix in 22 1/2% Broiler Starter	22.5	23.1	4.5	5.6	3.5	3.8
Happy Farmer Nicarbazin 3-Nitro Streptomycin & Penicillin Mixture in 22 1/2% Broiler Pusher	22.5	22.8	4.5	6.1	3.5	3.9
** Happy Farmer Nicarbazin & 3-Nitro Mix in Broiler Finisher	20.0	21.2	5.0	6.1	3.0	4.0**
Happy Farmer 20% Protein Laying Mash	20.0	21.5	2.5	4.1	8.0	6.9
Buhner Happy Farmer Scratch Feed	9.0	----	3.0	3.1	5.0	---
Magnolia 18% Dairy	18.0	19.2	3.0	3.5	10.0	9.5
Magnolia 16 1/2% Dairy Feed	16.5	17.4	3.0	3.3	10.0	8.3
** Happy Farmer 16% Dairy Feed	16.0	17.3	3.0	2.9	7.0	5.3**
0.67% excess non-protein nitrogen from urea						
Magnolia Sweet 16% Dairy Feed	16.0	16.7	2.5	2.8	15.0	10.9

\*\*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
BUHNER & COMPANY, LOUISVILLE, KENTUCKY, (Con't)						
Buhner's Happy Farmer 17% Protein Calf Grower	17.0	17.2	3.0	3.0	9.0	8.0
Happy Farmer 20% Pig & Sow Ration	20.0	21.2	2.5	2.7	6.0	5.2
Happy Farmer Horse & Mule Feed	9.0	8.8	2.5	3.6	6.0	3.8
Buhner's 44% Protein Solvent Soybean Oil Meal	44.0	47.1	.5	1.4	8.0	5.0
Happy Farmer 34% Protein Linseed Oil Meal	34.0	36.2	3.5	3.3	9.0	8.6
** Happy Farmer 34% Protein Linseed Oil Meal	34.0	36.1	3.5	<u>2.4</u>	9.0	8.5**
BUNDY BROTHERS MILL COMPANY, MEDORA, INDIANA						
Perfection Brand 17% Protein Starting and Growing Mash	17.0	18.2	4.0	4.8	6.0	5.8
Monarch 18% Protein Laying Mash	18.0	18.9	4.0	3.7	7.0	5.8
** Medora 19% Protein Pig & Sow Feed	19.0	<u>17.7</u>	4.0	3.9	6.0	5.3**
Very much below guaranty in protein						
A. C. BUTTS & SON, FULTON, KENTUCKY						
Butts Corn Feed Meal	8.0	8.9	3.7	3.7	4.0	2.9
Cracked Corn	7.5	9.1	3.0	4.5	1.9	2.0
CADIZ MILLING COMPANY, CADIZ, KENTUCKY						
** Sunbeam 40% Hog Supplement	40.0	<u>38.1</u>	3.0	3.4	8.0	7.5**
Very much below guaranty in protein						
CANEYVILLE ROLLER MILL, CANEYVILLE, KENTUCKY						
Kentucky Farm 20% Protein Layer & Breeder Mash	20.0	19.6	3.0	3.5	7.0	4.6
** Kentucky Farm Scratch Feed	9.0	9.2	2.0	3.0	7.0	2.2**
Contained weed seeds						
** Kentucky Farm Scratch Feed	9.0	8.7	2.0	3.7	7.0	3.4**
Contained unground weed seeds						
Sweet Mix 16% Dairy Feed	16.0	17.6	2.5	2.0	15.0	7.9
Kentucky Farm 40% Protein Hog Supplement	40.0	45.5	3.5	4.0	7.0	5.1
CANN BROTHERS, LEITCHFIELD, KENTUCKY						
** Cann's 20% Laying Mash	20.0	<u>18.1</u>	3.0	4.8	8.0	<u>9.5**</u>
Very much below guaranty in protein						
Above guaranty in fiber						
** Cann's Hog Feed (Fattening)	14.0	16.0	2.5	4.0	8.0	<u>9.0**</u>
CARGILL, INC., MINNEAPOLIS, MINNESOTA						
44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.0	.5	2.3	7.0	5.4
CARROLL COUNTY FARM BUREAU COOPERATIVE, CARROLLTON, KENTUCKY						
Carroll County Farm Bureau Cooperative Special Dairy Feed	16.0	19.9	3.0	2.9	10.0	5.8
CHESTNUT & ANDERSON FEED MILL, HOPKINSVILLE, KENTUCKY						
Little River Roughage Beef Supplement A	32.0	34.5	1.0	2.6	7.0	7.0
Little River 40% Hog Supplement	40.0	41.5	4.0	5.0	5.0	3.8

\*\*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
CINCINNATI GRAIN & HAY COMPANY, CINCINNATI, OHIO						
** No Better 24% Protein Sweet Dairy Feed	24.0	<u>20.3</u>	3.5	3.4	9.5	8.1**
Very much below guaranty in protein						
No Better 24% Protein Sweet Dairy Feed	24.0	23.8	3.5	3.3	9.5	7.8
CITIZENS MILLING COMPANY, SOMERSET, KENTUCKY						
16% Cumberland Mixed Feed	16.0	15.5	2.5	4.5	10.0	7.8
Cumberland 16% Dairy Feed	16.0	15.6	3.0	2.8	10.0	10.2
CITY ROLLER MILLS, VEVAY, INDIANA						
Blue Ribbon Brand 16% Protein Dairy Feed	16.0	17.5	3.0	3.5	10.0	7.3
CLARKSON MILLING COMPANY, CLARKSON, KENTUCKY						
Fidelity Brand 20% Protein Laying Mash	20.0	21.0	3.5	3.7	7.0	6.9
CLIFTY FALLS MILLS, INC., MADISON, INDIANA						
** Clifty Falls 20% Protein Egg Mash	20.0	22.5	3.0	4.6	7.0	<u>7.9**</u>
Clifty Falls 20% Protein Egg Mash	20.0	20.3	3.0	4.1	7.0	6.0
Clifty Falls 24% Protein Cow Feed	24.0	29.0	2.5	2.4	10.0	7.2
Clifty Falls 24% Protein Cow Feed	24.0	27.9	2.5	2.4	10.0	6.0
** Clifty Falls 24% Protein Pusher Feed	24.0	<u>19.8</u>	2.5	2.4	10.0	<u>10.9**</u>
Very much below guaranty in protein						
Misbranded						
** Clifty Falls 24% Protein Pusher Feed	24.0	24.1	2.5	3.7	10.0	8.8**
0.46% excess non-protein nitrogen from urea						
** Clifty Falls 24% Protein Pusher Feed	24.0	25.2	2.5	3.7	10.0	9.7
1.34% excess non-protein nitrogen from urea						
Clifty Falls 24% Protein Pusher Feed	24.0	24.8	2.5	---	10.0	---
Clifty Falls 20% Protein Pusher Feed	20.0	23.4	2.5	4.0	10.0	9.4
Clifty Falls 16% Protein Pusher Feed	16.0	20.4	2.5	2.8	10.0	7.4
Clifty Falls 16% Protein Pusher Feed	16.0	24.4	2.5	3.0	10.0	8.7
Clifty Falls 16% Protein Pusher Feed	16.0	20.3	2.5	3.0	10.0	7.1
** Clifty Falls 16% Protein Pusher Feed	16.0	15.6	2.5	2.5	10.0	<u>12.7**</u>
Very much above guaranty in fiber						
Excess corn cobs						
** Clifty Falls 16% Protein Pusher Feed	16.0	23.0	2.5	3.4	10.0	8.4**
1.86% excess non-protein nitrogen from urea						
Clifty Falls 16% Protein Pusher Feed	16.0	----	2.5	---	10.0	---
Checked for urea only - satisfactory						
** Clifty Falls 16% Protein Pusher Feed	16.0	----	2.5	---	10.0	----**
Checked for urea only - satisfactory						
Contained corn cobs and mixed screenings						
16% Protein Green Pasture Dairy Feed	16.0	17.6	2.5	2.7	10.0	9.0
** 16% Protein Green Pasture Dairy Feed	16.0	17.5	2.5	2.7	10.0	10.5**
Excess corn cobs						
Clifty Falls 10% Protein Horse & Mule Feed	10.0	9.8	2.5	3.7	10.0	5.2
Clifty Falls Rabbit Pellets	18.0	20.4	2.0	4.2	10.0	6.8
CLIMAX ROLLER MILLS, SHELBYVILLE, KENTUCKY						
** Farm Feed	15.0	<u>14.4</u>	4.0	3.7	7.5	3.6**

\*\*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
CLINTON HATCHERY, CLINTON, KENTUCKY						
New Deal 44% Protein Hog Supplement	44.0	45.8	2.0	2.9	6.0	6.4
CLINTON MILLING COMPANY, CLINTON, KENTUCKY						
Clinco 16% Dairy Feed	16.0	17.5	2.5	2.2	10.0	10.5
CLELL COLEMAN & SONS, BURGIN, KENTUCKY						
** Coleman's Pig & Hog Feed	16.5	15.6	3.5	4.1	6.0	4.6**
Coleman's Pig & Hog Feed	16.5	16.5	3.5	4.3	6.0	5.3
Favorite Feed	15.0	15.4	3.5	3.8	8.5	5.7
Favorite Feed	15.0	14.5	3.5	3.4	8.5	5.9
Coleman's Farm Feed	14.0	15.0	4.0	3.5	8.0	5.5
** Coleman's Farm Feed	14.0	12.9	4.0	3.3	8.0	4.7**
Coleman's Farm Feed	14.0	15.4	4.0	3.5	8.0	5.6
** Big Blue Stock Feed	16.5	13.2	4.0	---	6.5	---
Very much below guaranty in protein						
** Big Blue Stock Feed	16.5	14.5	4.0	4.3	6.5	4.7**
Very much below guaranty in protein						
Wheat Mixed Feed	14.0	----	4.0	---	9.0	---
Microscopic examination only - Satisfactory						
Wheat Mixed Feed	14.0	13.5	4.0	3.5	9.0	6.3
** Wheat Mixed Feed	14.0	12.9	4.0	3.6	9.0	5.0**
COLBY MILLING, INC., COLBY, WISCONSIN						
** Pulverized White Oats	11.5	11.3	3.5	2.8	12.5	12.5**
Colby Pulverized White Oats	11.5	----	3.5	3.0	12.5	---
Colby Pulverized Mill Oats	11.0	11.1	3.5	5.0	14.5	14.3
H. C. COLE MILLING COMPANY, CHESTER, ILLINOIS						
** Omega Wheat Gray Shorts with Screenings	15.0	17.1	4.0	4.4	6.0	6.7**
** Omega Wheat Gray Shorts & Ground Wheat Screenings not exceeding Mill Run from Winter Wheat	15.0	16.6	3.5	4.5	6.0	5.9**
Contained mixed screenings						
Omega Wheat Gray Shorts with Screenings	15.0	----	3.5	---	6.0	---
Microscopic examination only - Satisfactory						
THE COLORADO MILLING & ELEVATOR COMPANY, DENVER, COLORADO						
Wheat Gray Shorts & Screenings	16.0	17.9	3.5	4.3	6.0	5.0
Wheat Gray Shorts & Screenings	16.0	15.9	3.5	4.4	6.0	4.9
Wheat Gray Shorts & Screenings	16.0	17.7	3.5	4.4	6.0	4.9
Wheat Gray Shorts & Screenings	16.0	17.5	3.5	4.3	6.0	5.2
COMMUNITY MILLING COMPANY, IRVINGTON, KENTUCKY						
** Our Pride 16% Dairy Feed	16.0	18.3	2.5	1.9	10.0	10.2**
Our Pride 16% Dairy Feed	16.0	----	2.5	2.4	10.0	---
** Soft Wheat Feed with Screenings	14.0	15.1	3.0	3.4	9.0	6.2**
Contained mixed screenings						
Soft Wheat Feed with Screenings	14.0	14.5	3.0	3.9	9.0	6.0
COOPER BROTHERS, ELIZABETHTOWN, KENTUCKY						
Cooper Brothers 20% Egg Mash	20.0	20.1	2.5	3.6	6.5	5.1

\*\*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
COOPERATIVE MILLS, INC., CINCINNATI, OHIO						
Turkey Developer	22.0	24.6	4.0	5.2	5.5	3.9
Turkey Finisher	18.0	20.0	4.0	5.1	5.0	3.9
Turkey Finisher	18.0	19.9	4.0	6.4	5.0	3.9
Turkey Finisher	18.0	19.7	4.0	5.2	5.0	3.7
Nitrophenide Mixture in Starting & Growing Mash	20.0	22.1	4.5	5.5	6.0	5.5
Starting & Growing Mash	20.0	20.8	4.5	6.4	6.0	4.3
Growing Mash	17.5	19.2	3.5	4.6	6.5	4.9
0.0125% Nicarbazin, 3-Nitro-4 Hydroxy- phenylarsonic Acid Mixture included in Broiler Maker Finisher	19.0	21.1	4.5	5.3	4.5	3.7
Broiler Maker Finisher	19.0	21.0	4.5	5.6	4.5	3.9
0.0125% Nicarbazin, 3-Nitro-4 Hydroxy- phenylarsonic acid Mixture in Broiler Maker	22.0	23.3	4.5	5.6	4.5	4.3
0.0125% Nicarbazin, 3-Nitro-4 Hydroxy- phenylarsonic Acid, Chlorotetracycline Mixture inc. in Broiler Maker	22.0	23.3	4.5	7.1	4.5	4.0
Nicarbazin, 3-Nitro-4 Hydroxypheny- larsonic Acid Mixture inc. in Broiler Maker	22.0	23.8	4.5	5.4	4.5	4.3
Super Breeding Mash	20.0	20.5	4.5	5.5	6.5	5.1
Super Breeding Mash	20.0	20.2	4.5	5.2	6.5	4.8
Super Breeding Mash	20.0	20.3	4.5	5.2	6.5	4.7
Super Laying Mash	20.0	21.1	4.0	4.7	5.5	---
Super Laying Mash	20.0	20.3	4.0	5.1	5.5	4.9
Super Laying Mash	20.0	21.5	4.0	5.4	5.5	4.8
Super Laying Mash	20.0	23.0	4.0	5.7	5.5	4.7
Super Laying Mash	20.0	22.2	4.0	4.7	5.5	4.8
Super Laying Mash	20.0	22.7	4.0	5.2	5.5	4.9
Super Laying Mash	20.0	21.3	4.0	6.0	5.5	---
Super Laying Mash	20.0	21.4	4.0	5.7	5.5	5.5
Super Laying Mash	20.0	21.3	4.0	5.2	5.5	4.5
Egg Producer	20.0	20.9	3.5	5.0	6.5	5.4
Egg Producer	20.0	19.7	3.5	4.0	6.5	4.8
Egg Producer	20.0	20.3	3.5	5.3	6.5	4.7
Egg Producer	20.0	21.1	3.5	4.6	6.5	4.9
Egg Producer	20.0	19.9	3.5	5.0	6.5	4.2
Egg Producer	20.0	20.3	3.5	4.2	6.5	5.4
All Mash Laying Ration	16.0	18.3	4.5	5.7	5.5	5.1
All Mash Laying Ration	16.0	17.7	4.5	4.3	5.5	5.4
All Mash Laying Ration	16.0	18.1	4.5	4.8	5.5	5.1
Oxytetracycline Para Amino Benzoic Acid Mixture Incorporated in XTR-Aid Intermediate Scratch	22.0	23.2	4.5	5.4	4.5	4.3
** .0022% Diethylstilbestrol Mixture (For Fattening Beef Cattle) Inc. in Pro-Blend "50"	50.0	48.9	3.0	5.5	6.0	5.4**
Pro Blend "50"	50.0	53.3	3.0	3.9	6.0	---
** Pro Blend "50"	50.0	51.0	3.0	4.7	6.0	6.8**
Pro Blend "50"	50.0	49.7	3.0	5.3	6.0	---
32% Milk Maker	32.0	33.7	2.5	2.6	10.0	8.0
32% Milk Maker	32.0	33.2	2.5	3.0	10.0	7.6
32% Milk Maker	32.0	34.7	2.5	2.4	10.0	8.1
32% Dairy Supplement	32.0	31.5	2.5	2.5	11.0	10.0
** 32% Dairy Supplement	32.0	29.6	2.5	2.4	11.0	10.8**

Very much below guaranty in protein

\*\*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, OHIO (Con't)							
**	32% Dairy Supplement	32.0	<u>27.9</u>	2.5	2.6	11.0	10.5**
	Very much below guaranty in protein						
	32% Dairy Supplement	32.0	31.6	2.0	2.4	11.0	10.1
	32% Dairy Supplement	32.0	31.5	2.5	---	11.0	---
	32% Dairy Supplement	32.0	32.1	2.5	---	11.0	---
	24% Milk Maker	24.0	26.1	3.0	3.4	10.0	7.6
	24% Milk Maker	24.0	26.1	3.0	3.4	10.0	7.7
	20% Milk Maker	20.0	22.3	3.0	3.1	10.0	8.0
	20% Milk Maker	20.0	23.4	3.0	4.2	10.0	8.7
	20% Milk Maker	20.0	23.3	3.0	3.9	10.0	8.2
	20% Milk Maker	20.0	21.5	3.0	3.6	10.0	7.8
	20% Dari-Flo (Coarse Texture)	20.0	21.0	3.0	4.0	10.0	6.7
	16% Dari-Flo	16.0	17.1	3.0	3.7	10.0	8.2
	16% Milk Maker	16.0	17.7	3.0	4.1	10.0	8.0
	16% Milk Maker	16.0	19.0	3.0	4.1	10.0	7.8
	16% Milk Maker	16.0	18.5	3.0	3.7	10.0	7.6
	16% Utility Dairy	16.0	18.0	3.0	2.9	15.0	13.6
	16% Utility Dairy	16.0	19.0	3.0	3.1	15.0	11.9
	16% Utility Dairy	16.0	17.1	3.0	2.7	15.0	13.4
	16% Utility Dairy	16.0	16.7	3.0	2.6	15.0	13.2
**	16% Utility Dairy	16.0	16.8	3.0	2.5	15.0	13.1**
	1.6% excess non-protein nitrogen from urea						
	16% Pasture Dairy	16.0	18.4	3.0	3.1	11.0	7.7
	16% Pasture Dairy	16.0	20.6	3.0	2.8	11.0	7.2
	Fitting Feed	13.0	14.2	3.5	3.2	8.0	7.0
	Fitting Feed	13.0	15.1	3.5	3.5	8.0	7.5
**	Calf Developer	18.0	20.1	4.0	<u>3.4</u>	8.0	6.9**
	Calf Developer	18.0	20.8	4.0	3.9	8.0	7.1
	Calf Developer	18.0	19.4	4.0	4.1	8.0	6.9
	Beef Supplement	30.0	32.4	2.0	2.2	11.0	9.9
**	Beef Supplement	30.0	32.0	2.0	2.7	11.0	<u>11.7**</u>
	0.3% excess non-protein nitrogen from urea						
	Beef Supplement	30.0	32.5	2.0	1.5	11.0	10.2
	35% Sow & Pig Supplement	35.0	36.9	3.0	4.3	8.5	7.9
	20% Sow & Pig Feed	20.0	22.3	4.0	5.5	6.0	5.5
	20% Sow & Pig Feed	20.0	22.4	4.0	5.3	6.0	4.9
	20% Sow & Pig Feed	20.0	22.1	4.0	5.8	6.0	5.1
	20% Sow & Pig Feed	20.0	21.3	4.0	6.1	6.0	5.5
	20% Sow & Pig Feed (for hogs not on pasture)	20.0	21.6	4.0	5.6	6.0	5.1
	Pig Starter	18.0	19.7	4.5	5.1	4.5	3.6
	Sweet Stock Feed	11.0	11.9	3.0	3.3	7.0	5.2
	Sweet Stock Feed	11.0	11.5	3.0	3.2	7.0	5.7
	Sweet Stock Feed	11.0	11.2	3.0	3.3	7.0	5.2
	Co-op Sweet Mix	5.0	7.0	1.0	.9	11.0	9.3
	Co-op Sweet Mix	5.0	7.4	1.0	1.1	11.0	9.0
	Co-op Sweet Mix	5.0	7.1	1.0	.8	11.0	9.2
	Screened, Degermed, Chick Cracked Corn	8.0	8.5	1.5	1.5	2.5	1.0
	44% Soybean Oil Meal	44.0	44.0	.5	2.6	7.0	5.3
CHARLES M. COX COMPANY, BOSTON, MASSACHUSETTS							
**	Red Seal 16% Dairy Feed	16.0	15.9	3.0	3.4	10.0	9.0**
	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
<b>CRESCENT ROLLER MILLS, TAYLORSVILLE, KENTUCKY</b>						
Crescent 41% Protein Dairy Supplement	41.0	40.5	3.0	3.0	8.0	6.1
Crescent 16 1/2% Dairy Feed	16.5	17.3	3.0	3.0	10.0	6.1
Crescent Stock Feed	14.0	13.7	3.0	4.3	6.0	4.1
<b>CUSTOM FEED MILLS, MORGANFIELD, KENTUCKY</b>						
Custom Maid 18% Growing Mash	18.0	19.5	3.5	3.7	6.0	4.7
Custom Maid 40% Protein Hog Supplement	40.0	39.5	2.5	3.2	8.0	6.1
Cadmium Anthranilate in Custom Maid Hog Worming Ration	16.0	17.8	2.5	3.1	7.0	5.0
<b>DARLING &amp; COMPANY, CINCINNATI, OHIO</b>						
Darling's 50% Protein Meal & Bone Scraps	50.0	50.0	3.0	4.3	3.0	2.5
<b>DEARBORN MILLS, AURORA, INDIANA</b>						
Dearborn 20% Layer	20.0	22.1	3.0	4.1	5.5	5.2
Success Brand 20% Laying Mash	20.0	21.7	3.0	4.5	8.0	7.5
Dearborn Special 32% Dairy & Cattle Supplement	32.0	32.4	1.0	2.1	9.5	8.3
Dearborn Sweet 24% Dairy	24.0	25.6	2.5	2.8	12.5	10.6
Dearborn 24% Dairy Feed	24.0	25.6	2.5	3.0	12.5	9.4
Dearborn Sweet 16% Dairy	16.0	18.7	2.5	---	15.0	13.9
Dearborn 16% Dairy Feed	16.0	19.0	2.5	3.1	9.5	9.7
Dearborn 16% Protein Pig & Sow Ration	16.0	16.6	3.0	4.1	6.0	6.3
Dearborn 16% Complete Rabbit Ration	16.0	17.8	2.0	2.6	18.0	15.7
<b>DECATUR COTTON OIL COMPANY, DECATUR, ALABAMA</b>						
** 41% Protein Cottonseed Meal Prime Quality	41.0	<u>38.6</u>	3.5	3.8	13.0	<u>14.4**</u>
Very much below guaranty in protein						
<b>W. C. DICKEN, MENTOR, KENTUCKY</b>						
Sunny Grain Brand 16% Dairy	16.0	19.0	4.0	4.4	10.0	7.6
Sunny Grain Brand Pig & Sow Feed	18.0	18.7	3.5	3.9	6.0	5.7
<b>DIXIE MILLS COMPANY, EAST ST. LOUIS, ILLINOIS</b>						
Dixie Turkey Grower	22.0	23.1	3.5	4.1	7.5	6.0
Dixie 16% Milking Feed	16.0	18.9	3.0	3.4	9.0	7.7
** Dixie 16% Milking Feed Pellets Contained mixed screenings	16.0	19.8	3.0	3.0	9.0	8.6**
<b>DIXIE-PORTLAND FLOUR COMPANY, CHATTANOOGA, TENNESSEE</b>						
** Red Lion Wheat Gray Shorts Contained mixed screenings	16.0	18.4	4.0	4.4	6.0	<u>7.1**</u>
<b>DUNCAN'S FARM SERVICE, LAWRENCEBURG, KENTUCKY</b>						
** 12% Dairy Feed (to be fed only with high protein legume hay or silage)	12.0	<u>10.8</u>	2.5	2.4	10.0	7.3**
12% Dairy Feed (to be fed only with high protein legume hay or legume hay silage)	12.0	11.8	2.5	---	10.0	---
Fitting Feed	12.0	13.2	2.5	3.6	10.0	8.6
<b>DYERSBURG OIL MILL COMPANY, DYERSBURG, TENNESSEE</b>						
Star Brand 41% Protein Cottonseed Meal	41.0	42.7	2.0	3.9	14.0	11.3
Star Brand 41% Protein Cottonseed Meal	41.0	42.3	3.0	3.7	14.0	11.5

\*\*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						
Nitrofurazone in Tuxedo Start, Grow & Developer Mash	17.0	17.8	3.0	5.7	7.0	6.8
Tuxedo Bitty Bits Nicarbazin & 3-Nitro-4 Hydroxy Mix in High Energy Broiler Mash	20.0	21.6	4.0	4.3	3.5	2.9
Tuxedo Nicarbazin & 3-Nitro-4- in Broiler Finisher Mash	18.0	17.8	3.0	4.9	5.5	3.8
Tuxedo Breeder Mash	20.0	19.7	3.0	4.8	7.5	6.3
Tuxedo Special Egg Mash	20.0	21.1	3.0	3.0	8.0	7.3
Tuxedo Special Egg Mash (Pellets)	20.0	20.5	3.0	2.8	8.0	6.5
Tuxedo Special Egg Mash	20.0	20.3	3.0	3.6	8.0	6.8
Tuxedo Special Egg Mash	20.0	21.7	3.0	3.5	8.0	7.8
Tuxedo Special Egg Mash	20.0	21.3	3.0	3.9	8.0	7.2
Tuxedo Special Egg Mash	20.0	20.9	3.0	3.6	8.0	7.9
Tuxedo Special Egg Mash	20.0	19.7	3.0	4.0	8.0	7.0
Tuxedo 33% Dairy Supplement	33.0	34.4	2.0	2.3	8.5	7.5
Tuxedo 33% Dairy Supplement	33.0	33.8	2.0	2.7	8.5	8.1
Tuxedo 24% Dairy	24.0	24.4	2.5	---	10.0	---
Tuxedo 24% Dairy	24.0	24.2	2.5	3.6	10.0	10.4
** Tuxedo 24% Dairy	24.0	<u>22.0</u>	2.5	3.1	10.0	9.2**
** Tuxedo 24% Dairy	24.0	<u>23.1</u>	2.5	---	10.0	---**
Tuxedo Special 24% Dairy *	24.0	23.6	2.5	2.3	12.0	10.9
Tuxedo Special 24% Dairy	24.0	23.6	2.5	2.8	12.0	9.7
Tuxedo 20% Dairy	20.0	22.0	2.5	3.0	9.5	9.1
Tuxedo 20% Dairy	20.0	20.5	2.5	2.9	9.5	8.5
Tuxedo Special 20% Dairy	20.0	20.3	2.5	3.0	12.0	7.5
Tuxedo 16% Dairy	16.0	16.5	2.5	2.7	15.0	13.2
Tuxedo 16% Dairy	16.0	16.5	2.5	3.0	15.0	13.5
Tuxedo Special 16% Dairy	16.0	17.1	2.5	3.1	15.0	12.5
Tuxedo Big Pig Starter Pellets	18.0	20.5	3.0	4.4	4.0	4.3
Tuxedo Pig & Sow Meal	16.0	17.1	3.0	6.2	6.0	6.0
Tuxedo Porkmaker	14.0	14.7	3.0	4.2	8.0	7.6
Tuxedo Porkmaker	14.0	14.2	3.0	4.7	8.0	6.9
Tuxedo Chop	9.0	11.0	3.0	3.5	10.0	7.9
Tuxedo Brewers Dried Grains & Molasses	22.0	23.4	5.0	5.5	12.0	10.8
THE F. L. EMMERT COMPANY, CINCINNATI, OHIO						
Molasso-Malt	22.0	25.4	5.0	5.2	12.0	12.5
ELAM GRAIN COMPANY, ST. LOUIS, MISSOURI						
Elam's Dried Brewer's Grain	26.0	25.5	5.0	6.6	17.0	14.6
ESHELMAN GRAIN, INC., COLUMBUS, OHIO						
Life Guard 22% Layer	22.0	25.3	3.5	4.0	8.0	4.5
Sunbeam Laying Mash	20.0	22.8	3.0	3.8	8.0	5.0
Life Guard All-Mash Laying Ration	16.0	19.4	3.5	4.7	7.0	6.0
** Clover Bloom Dairy Feed	16.0	16.3	2.5	2.9	15.0	9.5**
Contained unground weed seeds						
EMMART PACKING COMPANY, LOUISVILLE, KENTUCKY						
** Emmart's 60% Digester Tankage	60.0	<u>59.3</u>	6.0	8.1	3.0	2.9**

\*\*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
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA						
Pennsy Laying Mash	20.0	20.9	3.5	3.3	8.0	5.5
Red Rose 24% Dairy Feed	24.0	26.7	2.5	2.5	8.5	7.6
Kentucky Challenge 24% Protein Dairy Feed	24.0	26.2	2.5	2.6	15.0	11.7
Red Rose 20% Dairy Feed	20.0	22.1	3.0	2.5	9.5	7.9
Red Rose 16% Dairy	16.0	18.6	3.5	3.7	9.5	8.3
Red Rose Pig & Sow Meal	16.0	17.3	3.5	3.8	6.0	6.0
Red Rose Hog Meal	16.0	17.6	3.5	4.1	8.0	6.6
Red Rose Hog Meal	16.0	17.3	3.5	4.6	8.0	8.0
EWING MILL COMPANY, EWING, INDIANA						
Robertson's Brand Wheat Brown Shorts and Screenings	16.0	15.7	4.0	3.5	7.5	5.8
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE						
Famous 36% Layer Concentrate	36.0	40.0	2.5	6.9	6.0	5.7
Uncle Dan 16% Dairy	16.0	18.2	2.5	4.3	15.0	11.1
FARMERS FEED STORE, CENTRAL CITY, KENTUCKY						
Veribest 20% Laying Mash	20.0	21.5	2.5	3.5	7.0	6.1
** Green River Brand 16% Dairy Feed	16.0	<u>13.7</u>	3.0	1.8	15.0	12.5**
Very much below guaranty in protein						
** Veribest Brand 18% Pig & Sow Feed	18.0	<u>16.8</u>	3.0	3.7	6.0	5.1**
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY						
Feeders Friend 18% Laying Mash	18.0	19.6	2.5	3.8	6.0	4.9
Feeders Friend 44% Dairy Supplement	44.0	49.3	1.0	2.0	8.0	4.3
Feeders Friend Sweet 16% Dairy	16.0	21.2	2.5	3.1	10.0	6.8
0.0011% Diethylstilbestrol Mixture (for fattening beef cattle incorporated in 32% Steer Supplement "A")	32.0	36.0	2.0	1.8	10.0	6.1
Feeders Friend 35% Brood Sow Supplement	35.0	37.9	1.5	3.4	7.0	7.1
FARMERS MILLING COMPANY, SOMERSET, KENTUCKY						
Farmers Spotlight 20% Egg Mash	20.0	20.3	3.0	4.4	7.0	6.0
** Farmers Scratch Feed	8.0	9.4	3.0	3.2	3.0	2.6**
Contained unground corn cockle						
** Farmers Hog Feed	14.0	<u>12.3</u>	4.0	5.9	8.0	8.7**
** Spotlight Hog Feed	16.0	<u>14.1</u>	4.0	5.6	8.0	7.0
** Spotlight Hog Feed	16.0	<u>14.4</u>	4.0	5.5	8.0	7.1
Farmers 16% Mixed Feed	16.0	15.6	3.0	5.0	10.0	6.9
Farmers Stock Feed	12.5	12.3	2.0	4.0	15.0	11.3
FARMERS SUPPLY COMPANY, BEAVER DAM, KENTUCKY						
Check-R-Mix Hog Feed A	14.0	14.2	3.0	3.6	8.0	4.3
OSCAR FARMER & SONS, LOUISVILLE, KENTUCKY						
** "60-40" Scratch Feed	9.0	9.8	3.0	2.9	3.0	2.1**
Contained unground weed seeds						
We-Kno Yellow Corn Feed Meal	9.0	9.0	4.0	4.3	4.0	2.7
J. H. FEDDERS, INC., COVINGTON, KENTUCKY						
Fedco 16% Dairy Feed	16.0	17.5	2.5	2.5	10.0	8.2
FERGUSON BROTHERS, ALBANY, KENTUCKY						
C & C Yellow Tag Brand 16% Dairy Feed	16.0	18.2	2.5	3.3	10.0	7.5
Domino Hog Feed	14.0	17.3	3.0	3.2	6.0	4.2

\*\*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
FERNCLIFF FEED & GRAIN COMPANY, LOUISVILLE, KENTUCKY							
**	Cracker Jack Cage Layer Ration	16.0	17.4	3.5	4.0	5.5	7.0
	Cracker Jack 20% Egg Mash	20.0	21.3	3.0	3.4	7.0	5.8
	Sweet 16% Dairy Feed	16.0	17.1	2.5	3.2	15.0	9.1
	Sweet 16% Dairy Feed	16.0	18.3	2.5	4.1	15.0	6.3
	Cracker Jack Brand 40% Pig & Hog Supplement	40.0	42.2	2.0	2.0	8.0	5.1
	Cracker Jack Pig & Sow Feed	18.0	18.5	3.0	3.5	6.0	4.5
	Cracker Jack Horse & Mule Feed	9.0	9.8	3.0	4.7	6.0	5.2
	Cracker Jack Horse & Mule Feed	9.0	9.3	3.0	3.8	6.0	5.0
FIELD PACKING COMPANY, OWENSBORO, KENTUCKY							
**	Field's 60% Protein Digester Tankage Microscopic examination only - Satisfactory	60.0	----	10.0	---	3.0	---
	Field's 50% Protein Meat Scraps	50.0	55.4	10.0	12.5	3.0	1.8
FLAMBEAU MILLING COMPANY, PHILLIPS, WISCONSIN							
	Flambo Pulverized White Oats with other grains & mixed screenings	10.0	11.9	4.5	4.5	15.0	15.4
	Pulverized Mixed Feed Oats	10.0	----	4.5	4.4	15.0	---
**	Pulverized Flambo Mixed Feed Oats Contained unground weed seeds	10.0	12.2	4.5	4.3	15.0	13.7**
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY							
	Producer 36% Mash Concentrate	36.0	36.7	2.5	3.7	9.0	7.0
	Producer 20% Egg Mash	20.0	22.7	3.0	4.7	7.0	7.1
	Producer 20% Egg Mash	20.0	21.1	3.0	4.7	7.0	7.4
	Producer 24% Dairy Feed	24.0	----	3.0	4.7	9.0	---
**	Producer 24% Dairy Feed	24.0	23.9	3.0	2.2	9.0	6.8**
	Producer 24% Dairy Feed	24.0	23.6	3.0	3.2	9.0	7.4
	Producer Special 24% Dairy Feed	24.0	27.4	2.5	5.0	10.0	7.0
	Producer Special 24% Dairy Feed	24.0	25.2	2.5	3.3	10.0	7.9
	Producer 20% Dairy Feed	20.0	21.6	3.0	3.5	9.0	5.4
	Producer 20% Dairy Feed	20.0	19.5	3.0	2.5	9.0	6.1
**	Producer 20% Dairy Feed	20.0	20.0	3.0	2.4	9.0	6.1**
	Producer 20% Dairy Feed	20.0	22.1	3.0	2.7	9.0	7.2
	Producer 18% Dairy Feed	18.0	21.0	3.0	3.1	9.0	6.6
	Thomerson 18% Dairy Feed	13.0	21.3	3.0	3.3	9.0	7.4
	Producer 16% Dairy Feed	16.0	20.5	2.5	2.8	9.0	7.3
	Producer 16% Dairy Feed	16.0	19.7	2.5	3.7	9.0	6.8
	Producer Special 16% Dairy Feed	16.0	15.6	2.5	3.4	14.0	13.8
	Producer Special 16% Dairy Feed	16.0	16.0	2.5	2.4	14.0	12.0
**	Producer Special 16% Dairy Feed	16.0	17.9	2.5	3.2	14.0	14.8**
	Producer Special 16% Dairy Feed	16.0	----	2.5	4.5	14.0	12.8
	Producer 32% Cattle Concentrate	32.0	40.0	2.0	2.2	9.0	8.1
**	0.0011% Diethylstilbestrol Mix inc. in Producer 32% Cattle Concentrate 0.84% excess non-protein nitrogen from urea	32.0	----	2.0	---	9.0	---
**	0.0011% Diethylstilbestrol Mix inc. in Producer 32% Cattle Concentrate 0.84% excess non-protein nitrogen from urea	32.0	38.4	2.0	2.5	9.0	8.1**
	Producer 40% Pig & Hog Supplement	40.0	42.5	2.5	3.3	8.0	7.3
	Producer 40% Pig & Sow Supplement	40.0	41.6	2.5	4.3	8.0	6.3
	Producer 18% Pig & Sow Feed	18.0	21.5	3.5	4.1	6.0	5.6
	Producer 18% Pig & Sow Feed	18.0	22.3	3.5	4.5	6.0	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
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY (Con't)						
Producer Horse & Mule Feed	9.0	9.2	3.5	3.2	6.0	4.0
Producer Sheep Feed	14.0	16.5	2.5	3.7	7.0	6.9
Wheat Brown Shorts & Screenings	16.0	15.7	3.5	4.1	7.5	6.7
Wheat Brown Shorts & Screenings	16.0	16.5	3.5	4.1	7.5	6.3
Solvent Extracted Soybean Oil Meal	44.0	47.8	.5	1.4	8.0	6.0
FRUEN MILLING COMPANY, MINNEAPOLIS, MINNESOTA						
Steamed Rolled Barley	11.0	11.9	2.0	2.3	8.0	5.3
FUHRER-FORD MILLING COMPANY, MT. VERNON, INDIANA						
Wheat Gray Shorts & Screenings	16.0	16.3	4.0	4.6	6.0	5.6
GARDEN STREET MILL & ELEVATOR COMPANY, LOUISVILLE, KENTUCKY						
Garden 16% Protein Dairy Feed	16.0	19.4	3.0	2.8	15.0	8.7
Garden 16% Protein Dairy Feed	16.0	20.5	3.0	3.5	15.0	8.9
Garden 16% Protein Dairy Feed	16.0	19.0	3.0	2.7	15.0	9.0
Garden 16% Protein Dairy Feed	16.0	20.4	3.0	2.8	15.0	10.9
Garden 16% Protein Dairy Feed	16.0	18.7	3.0	3.3	15.0	9.6
GENERAL DISTRIBUTORS, COVINGTON, KENTUCKY						
General Feeds Made-Rite Special All Mash Laying Ration	16.0	20.3	2.5	2.9	8.0	2.2
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA						
Larro Sureturk Feed for Finishing Turkeys	27.0	29.2	2.5	3.1	8.5	6.7
Larro Suremilk 32	32.0	34.9	1.5	1.1	11.0	5.9
Larro Suremilk 20	20.0	20.6	3.0	3.1	9.0	7.6
Larro Suremilk 20% Milk Producing Fitting & Freshening Feed "Farm-Tested"	20.0	21.5	3.0	2.8	9.0	7.7
Larro Suremilk 20% Milk Producing Fitting & Freshening Feed "Farm-Tested"	20.0	21.9	3.0	2.7	9.0	7.5
Larro Surepork Complete	15.0	16.4	3.0	4.5	6.0	5.5
Washburn's Gold Medal Hard Wheat Standard Middlings & Ground Wheat Screenings not exceeding mill run	15.0	17.4	4.0	4.9	9.5	6.9
Ben Hur Wheat Standard Middlings and Ground Wheat Screenings not exceeding mill run	15.0	15.5	4.0	4.2	9.5	7.0
GENERAL MILLS, HOPKINSVILLE, KENTUCKY						
** Washburn's Gold Medal Wheat Gray Shorts and Ground Wheat Screenings not exceeding mill run Contained mixed screenings	16.0	18.6	3.5	5.3	6.0	6.5**
GERMANTOWN MILLING COMPANY, GERMANTOWN, KENTUCKY						
** Mixed Feed	15.0	15.0	4.0	<u>3.1</u>	6.0	4.1**
GLENMORE DISTILLERIES COMPANY, OWENSBORO, KENTUCKY						
Glenmore Corn Distillers Dried Grains	24.5	26.6	8.5	9.1	15.0	9.1
EDWARD F. GOEKE & SONS, EVANSVILLE, INDIANA						
Big Gee Brand 20% Protein Egg Mash	20.0	20.2	3.0	3.4	5.0	5.2
AP 17% Protein All Mash Poultry Mash	17.0	17.8	3.0	3.6	5.0	5.3
Goeke's 40% Protein Hog Supplement	40.0	40.6	3.0	3.6	6.0	6.5

\*\*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 GOLDCAMP MILL COMPANY, IRONTON, OHIO						
** 17% Protein Pig & Hog Grower	17.0	19.2	4.5	<u>3.7</u>	7.0	6.9**
GOLDENROD OIL MEAL SALES COMPANY, MEMPHIS, TENNESSEE						
Goldenrod Brand 41% Protein Cottonseed Meal	41.0	40.6	3.0	3.6	14.0	12.6
GREEN COUNTY MILLING COMPANY, GREENSBURG, KENTUCKY						
Greenco 20% Laying Mash	20.0	20.2	3.0	3.6	6.5	5.7
Greenco 16% Dairy Feed	16.0	19.1	2.5	2.6	10.0	6.9
GWINN BROTHERS & COMPANY, HUNTINGTON, WEST VIRGINIA						
Merit Laying Mash	20.0	23.4	3.0	4.2	8.0	6.2
** Grade A 24% Dairy	24.0	24.5	3.0	<u>1.8</u>	10.0	6.2**
Grade A 24% Dairy	24.0	27.4	3.0	<u>2.9</u>	10.0	7.8
Sweet Acre 24% Dairy Feed	24.0	25.2	2.5	3.3	12.0	11.9
Sweet Acre 24% Dairy Feed	24.0	24.6	2.5	3.4	15.0	14.6
Milk Producer 24% Dairy	24.0	23.7	3.0	4.5	10.0	8.4
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS						
Red Comb Egg Mash	20.0	19.7	3.5	5.3	6.5	5.9
Red Comb Egg Mash	20.0	21.0	3.5	5.4	6.5	5.4
Pioneer Dairy Production 18	18.0	18.2	3.0	3.7	8.0	7.9
Gold Flake 16% Dairy	16.0	18.6	2.5	2.3	12.0	11.2
HAPPY VALLEY MILLS, GLASGOW, KENTUCKY						
Drummer Boy 40% Hog Supplement	40.0	43.3	3.5	3.7	8.0	6.6
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY						
Arrow Special 24% Dairy Feed	24.0	27.4	2.5	3.8	10.0	7.6
HARDIN COUNTY MILLING COMPANY, ELIZABETHTOWN, KENTUCKY						
Valley Creek Dairy Feed	16.0	16.9	3.0	3.0	10.0	7.3
** Valley Creek 37% Protein Hog Supplement	37.0	38.9	3.0	4.2	7.0	<u>7.9**</u>
HARDIN MILLING COMPANY, HARDIN, COMPANY						
Marco 18% Protein Hog Fattener	18.0	19.7	3.0	4.3	8.0	7.1
HARDY BROTHERS MILL, WALTON, KENTUCKY						
Hardy's Special 16% Dairy Feed	16.0	15.7	2.5	2.2	9.5	6.7
HARDY BROTHERS MILL, BUTLER, KENTUCKY						
Master 16% Dairy	16.0	19.1	3.0	2.8	10.0	7.6
G. M. HAYCRAFT & SON, LEITCHFIELD, KENTUCKY						
Haycraft's 44% Dairy Supplement	44.0	48.3	2.5	3.9	9.0	6.8
** Haycraft's 20% Protein Dairy Feed	20.0	24.7	3.0	3.2	9.0	6.7**
4.9% excess non-protein nitrogen from urea						
** Haycraft's 16% Protein Dairy Feed	16.0	18.0	2.5	3.4	12.0	12.0**
0.6% excess non-protein nitrogen from urea						
HAYDON MILL & GRAIN COMPANY, SPRINGFIELD, KENTUCKY						
3-Nitro-4-Hydroxyphenylarsonic & Nicarbazin Mixture inc. in Magic Broiler Starter	19.5	23.6	4.0	4.3	2.6	2.1
Magic Pullet Grower	18.0	17.6	2.5	4.1	6.0	3.3

\*\*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
HAYDON MILL & GRAIN COMPANY, SPRINGFIELD, KENTUCKY (Con't)						
Magic Super All Mash Laying Mash	16.0	17.6	2.5	4.3	8.0	4.0
Magic Brand 20% Laying Mash	20.0	21.3	2.5	3.9	7.0	4.5
Magic Brand 20% Sweet Dairy Feed	20.0	20.0	2.5	3.5	10.0	7.2
** Magic Brand 16% Sweet Dairy Feed	16.0	20.4	2.5	3.6	10.0	7.8**
0.76% excess non-protein nitrogen from urea						
Magic Brand 16% Sweet Dairy Feed	16.0	----	2.5	---	10.0	---
Checked for urea only - satisfactory						
Magic 4-2-2 16% Sweet Dairy Feed	16.0	16.9	2.5	2.5	10.0	6.5
** Magic Brand 4-2-2 16% Sweet Dairy Feed	16.0	16.4	2.5	2.6	10.0	6.5**
Contained corn cobs and shucks						
Magic Brand Hog Fattener	14.0	18.3	2.5	6.4	7.0	4.8
DR. HEINZ COMPANY, INC., WASHINGTON COURT HOUSE, OHIO						
** Heinz Nu-way 22% Sweet Flow Mixing Feed	22.0	27.5	2.5	3.3	8.5	6.8**
0.9% excess non-protein nitrogen from urea						
Heinz Nu-Way 16% Dairy Feed	16.0	15.8	3.5	3.3	9.0	9.0
Century Hog Ration	14.0	15.6	2.0	2.9	8.0	8.1
HEAVEN HILL DISTILLERIES, INC., BARDSTOWN, KENTUCKY						
Corn Distillers Dried Grains	26.0	27.1	8.0	8.4	14.0	9.1
Corn Distillers Dried Grains	26.0	27.3	8.0	8.2	14.0	9.4
HELMERS & BERRY FEED COMPANY, INC., OWENSBORO, KENTUCKY						
Check-R-Mix 20% Laying Mash A	20.0	22.3	3.0	4.8	8.0	4.1
Check-R-Mix Laying Feed (all Mash) C	15.0	18.2	3.0	4.2	7.0	4.4
HERMITAGE FEED MILLS, NASHVILLE, TENNESSEE						
Best Yet Brand 40% Hog Supplement Pelleted	40.0	39.6	2.0	2.8	10.0	6.6
Make'Em Grow Brand Sow & Pig Feed	18.0	17.8	3.0	2.9	6.0	6.2
HENDERSON FEED & COMMISSION COMPANY, HENDERSON, KENTUCKY						
Jim Dandy Brand 18% Protein Poultry Ration (All Purpose All Mash)	18.0	19.5	3.0	3.7	5.5	4.9
Cracked Corn	8.0	8.8	3.0	4.1	2.5	2.1
BURCH HESTER FEED STORE, HUSTONVILLE, KENTUCKY						
Big Chief 24% Dairy Feed	24.0	24.4	2.5	2.7	10.0	8.1
HODGENVILLE ROLLER MILLS, HODGENVILLE, KENTUCKY						
Lincoln Mixed Feed	14.0	13.6	4.0	3.8	8.0	5.6
HOME MILLING COMPANY, GREENVILLE, KENTUCKY						
Happy Home 18% All Mash Starter- Grower-Layer	18.0	20.0	3.5	4.8	7.0	4.2
** Happy Home 24% Dairy Feed	24.0	<u>20.2</u>	4.0	<u>1.9</u>	8.0	7.7**
Very much below guaranty in protein and fat						
** Happy Home 16% Sweet Dairy Feed	16.0	16.2	2.5	2.2	15.0	12.0**
Contained unground weed seeds						
** Happy Home 16% Sweet Dairy Feed	16.0	---	2.5	---	15.0	---**
Microscopic examination only						
Excess corn cobs						
** Happy Home 16% Sweet Dairy Feed	16.0	16.7	2.5	2.8	15.0	10.7**
Contained unground weed seeds						

\*\*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
HOME MILLING COMPANY, GREENVILLE, KENTUCKY (Con't)						
Farm-Wa Brand Dairy Feed	16.0	----	4.0	---	12.0	---
Microscopic examination only - Satisfactory						
** Champion 17% Protein Pig & Sow Meal	17.0	19.6	4.0	4.9	6.0	8.2**
Very much above guaranty in fiber						
** Champion 17% Protein Pig & Sow Meal	17.0	----	4.0	---	6.0	9.1**
Contained unground wheat cheat						
Very much above guaranty in fiber						
Champion Brand Mixed Feed	11.5	13.5	3.3	3.2	5.9	4.4
HOPKINSVILLE MILLING COMPANY, HOPKINSVILLE, KENTUCKY						
Life Cycle Brand 18% Protein Poultry						
Mash	18.0	20.0	3.5	4.3	7.0	6.9
Sunflower Brand 26% Protein Dairy Feed	26.0	27.3	2.5	3.9	12.0	9.6
Sunflower Wheat Brown Shorts with						
Screenings	15.0	15.4	3.5	4.4	7.5	7.3
Hominy Feed	10.0	10.3	7.0	7.5	8.0	5.3
HUNTER PACKING COMPANY, E. ST. LOUIS, ILLINOIS						
Hunter Digester Tankage	60.0	61.4	2.0	4.5	3.0	1.4
IGLEHEART BROTHERS, GENERAL FOODS CORPORATION, EVANSVILLE, INDIANA						
Wheat Gray Shorts with Ground Wheat						
Screenings	14.0	16.1	3.5	4.5	6.0	5.3
Wheat Gray Shorts with Ground Wheat						
Screenings	14.0	14.9	3.5	4.1	6.0	4.2
Wheat Gray Shorts with Ground Wheat						
Screenings (Low Protein)	14.0	15.6	3.5	4.6	6.0	5.7
Wheat Gray Shorts with Ground Wheat						
Screenings (Low Protein)	14.0	15.9	3.5	4.2	6.0	4.4
Mill Run Wheat Feed with Ground Wheat						
Screenings	15.5	15.9	4.0	4.2	9.5	6.5
Wheat Bran	13.5	15.4	3.5	3.8	11.0	9.0
J. F. IMBS MILLING COMPANY, BELLEVILLE, ILLINOIS						
Charm Wheat Gray Shorts with Screenings	16.0	15.7	4.0	3.8	6.0	4.5
Charm Pure Winter Wheat Bran	14.0	16.4	3.5	4.2	11.0	9.6
INTERNATIONAL MILLING COMPANY, MINNEAPOLIS, MINNESOTA						
Target Wheat Red Dog	15.0	16.6	2.0	4.5	4.0	3.5
JACKSON COTTON OIL COMPANY, JACKSON, TENNESSEE						
Bell Cow Brand 41% Protein Cottonseed						
Meal	41.0	40.7	5.0	5.9	13.0	11.7
Bell Cow Brand 41% Protein Cottonseed						
Meal - Prime Quality	41.0	40.8	5.0	5.8	13.0	12.9
Bell Cow Brand 41% Protein Cottonseed						
Meal - Prime Quality	41.0	40.5	5.0	5.4	13.0	13.4
KELLER HAY & GRAIN COMPANY, NEWPORT, KENTUCKY						
Big K 20% Layer	20.0	19.8	3.5	3.5	8.0	6.4
Big K 40% Hog Supplement	40.0	40.9	2.5	3.1	8.0	6.4
KENTUCKY ANIMAL BY -PRODUCTS COMPANY, RUSSELLVILLE, KENTUCKY						
Blue Ribbon Brand 50% Meat & Bone						
Meal	50.0	56.3	10.0	17.3	3.0	2.0

\*\*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
KENTUCKY BY-PRODUCTS CORPORATION, LOUISVILLE, KENTUCKY						
** Dri-Molass	10.0	11.5	.8	1.9	8.0	7.9**
Very much below guaranty in sugar						
Brewer's Dried Grains	22.0	24.0	6.0	6.7	18.0	14.7
F. W. KIBLER MILLING COMPANY, MT. ORAB, OHIO						
Kibler 20% Egg Breeder Mash	20.0	22.1	3.0	4.4	7.0	5.2
KNIFLEY FEED & SUPPLY, ELKHORN, KENTUCKY						
Elk Brand 24% Dairy	24.0	25.7	2.5	2.3	10.0	7.4
KUTTAWA MILLING COMPANY, KUTTAWA, KENTUCKY						
** Ground Wheat	13.0	<u>12.4</u>	2.0	2.0	2.2	2.3**
LAKE COUNTY OIL MILL, TIPTONVILLE, TENNESSEE						
Prime Quality Solvent Extracted 41% Protein Cottonseed Meal	41.0	42.3	.5	1.2	14.0	12.6
LEWISBURG ROLLER MILLS, LEWISBURG, KENTUCKY						
** Economy Brand 16% Dairy Feed	16.0	----	2.5	---	15.0	----**
Contained unground weed seeds						
** Economy Brand 16% Dairy Feed	16.0	16.1	2.5	2.6	15.0	13.1**
Contained unground weed seeds						
Coon Range Brand 16% Dairy Feed	16.0	17.3	2.5	3.1	12.0	6.7
LEXINGTON ROLLER MILLS, INC., LEXINGTON, KENTUCKY						
Thoroughbred Layer Mash "20"	20.0	21.1	4.0	4.2	8.0	6.3
Thoroughbred Layer Pellets "20"	20.0	22.6	4.0	4.2	8.0	5.9
Thoroughbred Scratch Feed	8.0	9.9	3.5	3.8	3.5	2.2
** Thoroughbred 24% Protein Sweet Dairy Feed	24.0	----	3.0	<u>2.0</u>	8.0	----**
** Thoroughbred 24% Protein Sweet Dairy Feed	24.0	27.5	3.0	<u>2.0</u>	8.0	8.5
Thoroughbred 24% Protein Sweet Dairy Feed	24.0	28.6	2.5	2.3	8.0	8.0
** Thoroughbred 24% Protein Sweet Dairy Feed	24.0	24.1	2.5	3.1	8.0	8.8**
Capitol 24% Protein Sweet Dairy Feed	24.0	26.6	2.5	3.0	10.0	9.6
** Sweet Sue 24% Protein Sweet Dairy Feed	24.0	----	2.5	<u>1.5</u>	15.0	----**
** Sweet Sue 24% Protein Sweet Dairy Feed	24.0	26.7	2.5	<u>1.3</u>	15.0	12.7**
** Thoroughbred 20% Protein Sweet Dairy Feed	20.0	25.6	2.5	3.3	9.0	8.2**
1.88% excess non-protein nitrogen from urea						
Thoroughbred 20% Protein Sweet Dairy Feed	20.0	----	2.5	---	9.0	----**
Checked for urea only - satisfactory						
** Sweet Sue 16% Protein Sweet Dairy Feed	16.0	18.1	2.5	2.5	15.0	<u>16.9**</u>
Contained excess corn cobs						
** Sweet Sue 16% Protein Sweet Dairy Feed	16.0	17.1	2.5	2.2	15.0	15.4**
Excess corn cobs						
** Sweet Sue 16% Protein Sweet Dairy Feed	16.0	----	2.5	----	15.0	----**
Excess corn cobs						
Microscopic examination only						
Sweet Sue 16% Protein Sweet Dairy Feed	16.0	18.0	2.5	2.7	15.0	13.6
Thoroughbred 16% Protein Sweet Dairy Feed	16.0	18.8	2.5	3.3	10.0	9.4
Thoroughbred 16% Protein Hog Ration	16.0	18.8	3.0	3.7	6.0	6.2

\*\*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
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY (Con't)						
Thoroughbred Wheat Brown Shorts with Screenings	15.0	16.2	4.0	4.0	7.5	7.5
Thoroughbred Wheat Brown Shorts with Screenings	15.0	18.5	4.0	4.6	7.5	8.0
LOFTON'S MILL, PROVIDENCE, KENTUCKY						
Veri-best 16% Laying All Mash	16.0	17.0	3.0	3.4	5.0	3.1
Veri-best Brand 85% Grain Horse & Mule Feed	10.0	10.0	3.0	4.7	10.0	6.4
LONDON FEED & MILLING COMPANY, LONDON, KENTUCKY						
Laurel Special Stock Feed	14.5	18.0	3.0	4.0	7.0	4.4
LOUISVILLE PROVISION COMPANY, LOUISVILLE, KENTUCKY						
** 60% Protein Digester Tankage	60.0	<u>54.6</u>	6.0	9.6	3.0	1.3**
Very much below guaranty in protein						
LOVELACEVILLE FEED MILL, LOVELACEVILLE, KENTUCKY						
** Diz's 16% Protein Dairy Feed	16.0	18.1	2.5	2.7	10.0	7.9**
. 13% excess non-protein nitrogen from urea						
Crushed Ear Corn & Shuck	7.0	8.7	3.0	3.0	11.0	8.9
LOWE'S FEED & HATCHERY, BOWLING GREEN, KENTUCKY						
Lowe's 20% Breeder Mash	20.0	20.7	2.5	3.8	7.0	5.1
Lowe's 17% Growing Mash	17.0	19.3	2.5	4.2	7.0	3.8
LYNN GROVE MILLING COMPANY, LYNN GROVE, KENTUCKY						
Wheat Bran & Shorts	14.0	15.1	3.5	4.1	8.0	8.0
McMILLEN FEED MILLS, FORT WAYNE, INDIANA						
Nicarbazin & 3-Nitro-4-Hydroxy Mix in Master Mix Hi-Calorie Broiler Formula	23.0	23.9	4.0	4.3	2.7	2.7
Nicarbazin & 3-Nitro-4-Hydroxy Mix in Master Mix Hi-Calorie Broiler Formula	23.0	26.1	4.0	3.8	2.7	2.4
Master Mix Hi-Calorie Egg-lac Pellets	22.0	24.1	4.5	4.8	3.5	3.4
Master Mix Egg Mash	20.0	21.5	2.5	4.9	7.0	7.3
Master Mix Egg Formula	22.0	23.9	4.5	4.9	3.5	3.4
Master Mix Sweet 16% Dairy Feed	16.0	18.7	1.5	3.0	15.0	11.7
Arsanilic Acid Mix in Master Mix Pig Ets	18.0	19.9	3.5	5.1	3.5	3.9
MARKIN FEED COMPANY, IRONTON, OHIO						
** Markin Special 16% Protein Dairy Feed	16.0	19.1	2.5	2.4	15.0	11.9**
Contained unground weed seeds						
MAYFIELD MILLING COMPANY, MAYFIELD, KENTUCKY						
** Double "M" 40% Hog Supplement	40.0	41.8	2.0	3.8	7.0	7.6**
Double "M" Horse & Mule Feed	10.0	10.6	2.5	3.1	14.0	9.7
Corn By-Products Feed	10.0	11.1	5.0	8.6	6.0	5.1
MAYFIELD SWEET FEED MILL, MAYFIELD, KENTUCKY						
State Leader 18% Protein Laying Mash	18.0	19.2	3.0	4.7	7.0	5.1
State Leader 18% Protein Pig & Sow Feed	18.0	19.0	3.0	3.9	6.0	5.7
State Leader 18% Protein Hog Fattener	18.0	18.4	3.0	2.6	7.0	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
MAYFLOWER MILLS, FORT WAYNE, INDIANA						
Mayflower Wheat Brown Middlings and Screenings	15.0	15.4	4.0	4.0	7.5	5.9
MEDLEY DISTILLING COMPANY, OWENSBORO, KENTUCKY						
Medley's Corn Distillers Dried Grains	25.0	28.0	5.0	8.9	16.0	13.4
THE MENNEL MILLING COMPANY, TOLEDO, OHIO						
** Memo Wheat Gray Middlings with Screenings	14.0	17.3	3.5	4.4	6.0	<u>6.8**</u>
** Memo Wheat Gray Middlings with Screenings	14.0	---	3.5	---	6.0	<u>7.3**</u>
** Memo Wheat Gray Middlings with Screenings	14.0	---	3.5	---	6.0	<u>7.7**</u>
METZGER BROTHERS, PADUCAH, KENTUCKY						
** Tankage with Bone	47.0	<u>45.7</u>	10.0	19.6	2.0	2.1**
MIDDLESBORO MILLING COMPANY, MIDDLESBORO, KENTUCKY						
Higrade Feed	18.0	19.6	3.5	3.6	8.5	6.5
MILLIKEN SWEET FEED MILL, FRANKLIN, KENTUCKY						
Milliken 15% All Mash Laying Ration	15.0	17.8	6.0	6.4	6.0	5.7
Milliken 15% All Mash Laying Ration	15.0	16.7	6.0	6.0	6.0	4.6
MINNESOTA LINSEED OIL COMPANY, MINNEAPOLIS, MINNESOTA						
36% Protein Solvent Extracted Linseed Oil Meal	36.0	36.2	.5	1.6	9.6	9.1
MONROE BROTHERS SWEET FEED MILL, CAVE CITY, KENTUCKY						
** Laying Mash	18.0	20.3	2.5	3.2	7.0	6.8**
Contained unground weed seeds						
Monroe Brothers Laying Mash	18.0	19.5	2.5	4.0	7.0	6.5
MOORMAN MANUFACTURING COMPANY, QUINCY, ILLINOIS						
Moorman's Creep Concentrate (Pellets for Pigs)	24.0	26.3	3.0	4.6	4.0	3.7
MORGANTOWN FEED MILL, MORGANTOWN, KENTUCKY						
Flaro Brand 20% Protein Laying Mash	20.0	21.8	2.5	3.8	7.0	6.0
MT. VERNON MILLING COMPANY, MOUNT VERNON, INDIANA						
Sunlite Hominy Feed	10.0	11.9	5.5	5.5	6.0	4.0
Sunlite Hominy Feed	10.0	10.7	5.5	6.1	6.0	5.0
Sunlite Hominy Feed	10.0	10.7	5.0	6.2	6.0	4.2
MUNFORDVILLE MILLING COMPANY, MUNFORDVILLE, KENTUCKY						
Purity Brand 20% Protein Laying Mash	20.0	23.2	2.5	3.3	7.0	6.3
** Purity Brand Hominy Meal	10.0	10.3	7.0	<u>5.6</u>	5.0	4.0**
** Purity Brand Hominy Feed	10.0	----	7.0	<u>5.9</u>	5.0	----**
MYERS & CLARK COMPANY, INC., ASHLAND, KENTUCKY						
Mi Choice Brand 18% Protein Laying Mash	18.0	18.6	3.0	4.6	8.0	6.5
Ideal Brand 24% Protein Dairy Feed	24.0	24.0	3.0	2.9	14.0	9.4
** Myers Special 24% Dairy Feed	24.0	27.4	2.5	1.8	12.0	10.7**
Ideal Brand 65% Grain Horse & Mule Feed	9.0	10.4	3.0	<u>3.9</u>	12.0	6.8

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
NASHVILLE COTTON OIL MILL CORPORATION, NASHVILLE, TENNESSEE						
41% Protein Solvent Extracted Cottonseed Meal	41.0	41.0	.5	.7	14.0	14.2
41% Protein Solvent Extracted Cottonseed Meal	41.0	40.8	.5	.4	14.0	13.6
41% Protein Solvent Extracted Cottonseed Meal	41.0	----	.5	.3	14.0	13.4
41% Protein Solvent Extracted Cottonseed Meal	41.0	44.1	.5	.6	14.0	11.6
NATIONAL ALFALFA DEHYDRATING & MILLING COMPANY, ST. LOUIS, MISSOURI						
17% Protein Dehydrated Alfalfa Meal	17.0	18.6	1.5	2.6	27.0	19.8
NATIONAL OATS COMPANY, EAST ST. LOUIS, ILLINOIS						
Corno Egg Mash	20.0	20.2	2.5	3.3	8.0	7.0
Corno Egg Mash	20.0	20.9	2.5	3.4	8.0	7.2
** Corno 34% Dairy Supplement 0.2% excess non-protein nitrogen from urea	34.0	37.1	1.0	1.8	10.0	8.1**
Corno 16% Dairy Feed	16.0	18.8	2.5	3.2	15.0	15.0
Corno Pig Starter	16.5	18.1	3.0	3.9	6.0	3.4
** Red-3 Hygrade Oat Mill by-product	10.0	<u>9.3</u>	3.5	3.0	18.0	18.5**
THE NEW ERA MILLING COMPANY, ARKANSAS CITY, KANSAS						
Polar Bear Wheat Gray Shorts with Screenings	16.0	18.0	4.0	4.1	6.0	6.5
Polar Bear Wheat Gray Shorts with Screenings	16.0	18.1	4.0	3.8	6.0	6.3
CHARLES NUNN & SONS MILLING COMPANY, EVANSVILLE, INDIANA						
Banner Sweet 16% Dairy Feed	16.0	16.6	2.5	3.3	12.5	9.0
Nunn's Big Value 35% Hog Supplement	35.0	37.1	1.5	2.8	8.5	4.6
Nunn Better 14% Hog Fattener	14.0	15.8	2.5	3.8	5.0	3.9
Nunn Better Wheat Shorts & Screenings	13.5	14.5	3.0	2.9	6.0	5.2**
Nunn Better wheat Mixed Feed & Screenings Contained mixed screenings	13.5	13.7	3.0	3.9	7.0	5.9
Nunn Better wheat mixed feed & screenings Microscopic examination only - Satisfactory	13.5	----	3.0	---	7.0	---
Nunn Better Rabbit Pellets	15.0	16.0	2.0	2.8	17.0	15.3
NUTRENA MILLS, INC., MINNEAPOLIS, MINNESOTA						
Nutrena Complete Egg Ration	16.0	18.0	4.0	4.6	6.0	5.7
Sweet Flow 16.5 Dairy Feed	16.5	18.3	2.5	3.4	10.0	9.8
Milk-Flo Dairy Feed	16.5	17.3	2.5	2.5	10.0	8.6
OHIO VALLEY SOYBEAN COOPERATIVE, HENDERSON, KENTUCKY						
.0011% Diethylstilbestrol Mix for Fattening Beef Cattle inc. in Cardinal Quality Solvent Extracted Soybean Oil Meal	44.0	46.0	.5	1.3	7.0	5.4
Cardinal 44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.0	.5	1.9	7.0	5.6
Toasted Cardinal 44% Solvent Extracted Soybean Oil Meal	44.0	46.7	.5	1.0	7.0	6.3
Cardinal 44% Protein Solvent Extracted Soybean Oil Meal	44.0	43.7	.5	1.0	7.0	7.1

\*\*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
OHIO VALLEY BAGS AND BURLAP COMPANY, LOUISVILLE, KENTUCKY						
Bag Cleanings	15.0	26.1	3.0	5.7	12.0	7.4
OWENSBORO GRAIN COMPANY, OWENSBORO, KENTUCKY						
Ograco 44% Protein Extracted Soybean Oil Meal	44.0	46.5	.5	1.4	7.0	5.8
Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	47.4	.5	1.1	7.0	6.4
Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	47.0	.5	1.5	7.0	6.0
OWENSBORO MILLING COMPANY, OWENSBORO, KENTUCKY						
Nicarbazin Mixture in TruTest Broiler Finisher Mash	19.0	20.6	4.0	5.1	4.5	3.4
Nicarbazin Mixture in TruTest 21% Broiler Mash	21.0	24.8	4.5	5.1	4.5	3.9
TruTest 20% Breeder Mash	20.0	21.2	3.0	4.2	7.5	5.8
TruTest Laying Mash	20.0	22.5	2.5	3.6	7.0	5.2
TruTest Laying Mash	20.0	21.7	2.5	3.4	7.0	4.8
TruTest Laying Mash	20.0	22.0	2.5	4.5	7.0	5.4
TruTest Laying Mash	20.0	22.7	2.5	3.2	7.0	5.3
TruTest Laying Mash	20.0	21.6	2.5	4.2	7.0	4.6
TruTest 32% Dairy Supplement	32.0	34.6	2.0	3.0	7.5	6.0
TruTest 24% Dairy Feed	24.0	26.7	2.5	2.4	10.0	7.8
** Sugar Lassie Dairy Feed	16.0	18.5	2.5	2.4	15.0	7.6**
Contained unground weed seeds						
Sugar Lassie Dairy Feed	16.0	18.5	2.5	3.0	15.0	8.4
Sugar Lassie Dairy Feed	16.0	17.6	2.5	2.6	15.0	9.2
Star 16 1/2% Dairy Feed	16.5	19.0	2.5	3.1	10.0	5.9
** Star 16 1/2% Dairy Feed	16.5	18.8	2.5	2.9	10.0	6.3**
0.26% excess non-protein nitrogen from urea						
TruTest Pig & Sow Feed	18.0	21.2	3.0	3.8	6.0	5.4
D & H Stock Feed	13.2	14.6	3.0	4.0	8.0	6.3
D & H Stock Feed	13.2	14.9	3.0	4.2	8.0	7.1
D & H Stock Feed	13.2	14.2	3.0	4.3	8.0	6.9
Wheat Gray Shorts with Screenings	14.5	15.4	3.5	4.1	6.0	5.8
** Wheat Gray Shorts with Screenings	14.5	16.0	3.5	4.7	6.0	4.9**
Contained mixed screenings						
TruTest Hominy Feed	10.0	9.6	7.0	6.6	6.0	4.1
TruTest Hominy Feed	10.0	9.8	7.0	8.0	6.0	4.1
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY						
Green Valley 16% Dairy Feed	16.0	15.5	3.0	3.7	15.0	8.1
Bell Ringer 16% Dairy Feed	16.0	15.5	3.0	4.0	15.0	10.1
Green Valley 35% Hog Supplement	35.0	34.9	2.5	2.1	7.0	6.0
Mixed Feed	13.0	11.6	4.0	---	8.0	---
PATTERSON & GUTHRIE, HARRODSBURG, KENTUCKY						
12% Dairy Feed (to be used with high protein legume pasture, hay or ensilage)	12.0	14.9	2.5	2.8	8.0	7.3
STANLEY PENN & SONS, LEXINGTON, KENTUCKY						
Stanley Penn's Horse Feed	12.0	13.6	2.5	3.1	8.0	7.0

\*\*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
PENNINGTON MILLING COMPANY, PENNINGTON GAP, VIRGINIA						
** Red Bird Scratch Feed	10.0	<u>8.9</u>	3.0	3.3	3.5	2.0
PILLSBURY MILLS, INC., CLINTON, IOWA						
Pillsbury's Best Chick Grower Bite Size	18.0	19.2	2.0	3.5	7.0	7.2
Arsanilic Acid and Nicarbazin in Pills- bury's Best 4 X Broiler Mash (High Calorie)	23.0	24.2	5.0	5.9	5.5	4.0
Arsanilic Acid and Nicarbazin in Pillsbury's Best 4 X Broiler Mash (High Calorie)	23.0	23.3	5.0	6.5	5.5	3.9
Pillsbury's Best Laying Mash	20.0	21.1	3.0	4.5	8.0	7.4
Pillsbury's Best Laying Mash	20.0	----	3.0	---	7.5	7.2
Pillsbury's Champion Egg Producer Microscopic examination only Satisfactory	20.0	----	3.0	---	8.0	---
** Pillsbury's Champion Egg Producer Contained mixed screenings Microscopic examination only	20.0	----	3.0	----	8.0	----**
Pillsbury's Champion Egg Producer	20.0	21.5	3.0	3.2	8.0	6.4
** Pillsbury's Champion Egg Producer Contained mixed screenings	20.0	21.1	3.0	3.5	8.0	8.4**
Pillsbury's Best Dairy Mixer - 44	44.0	43.9	1.0	---	8.5	---
Pillsbury's Best 20% Dairy Feed	20.0	20.5	2.5	2.4	9.0	5.9
Pillsbury's Best 20% Dairy Feed	20.0	21.2	2.5	2.5	9.0	5.7
Pillsbury's Best 16% Dairy Feed	16.0	19.4	2.5	2.3	9.0	6.0
Pillsbury's Best 16% Dairy Feed	16.0	19.3	2.5	2.6	9.0	7.2
Pillsbury's Dutch Maid 16% Dairy Feed	16.0	16.4	2.5	3.0	15.0	11.3
Pillsbury's Best Daries	16.0	21.0	2.5	3.4	9.5	8.8
Pillsbury's Best Daries	16.0	18.8	2.5	2.8	9.5	9.3
** Pillsbury's Best Hog Concentrate	40.0	<u>39.3</u>	1.5	4.0	7.5	5.4**
Pillsbury's Best Hog Concentrate	40.0	<u>39.6</u>	1.5	1.6	7.5	---
Pillsbury's Best Hog Concentrate	40.0	39.7	1.5	---	7.5	---
Pillsbury's Best Hog Balancer	35.0	34.7	1.0	1.4	6.5	5.4
Pillsbury's Best Hog Balancer	35.0	35.6	1.0	---	6.5	---
Pillsbury's Best Calf Ration	19.0	21.9	2.5	2.4	9.0	7.2
** Ballard Wheat Gray Shorts Contained mixed screenings	16.0	<u>14.3</u>	3.5	3.7	6.0	6.1**
Pillsbury's Soft Wheat Mixed Feed with Ground Screenings not exceeding mill run	13.5	15.7	3.0	3.9	9.5	7.1
PILLSBURY MILLS, INC., FEED & SOY DIVISION, LOUISVILLE, KENTUCKY						
Pillsbury's Soft Wheat Mixed Feed with Ground Wheat Screenings not exceeding Mill Run	13.5	15.1	3.0	3.7	9.5	7.5
PILLSBURY MILLS, INC., MINNEAPOLIS, MINNESOTA						
Pillsbury's Soft Wheat Mixed Feed with Ground Wheat Screenings not exceeding Mill Run	13.5	15.4	3.0	2.8	9.5	6.4
Pillsbury's Soft Wheat Mixed Feed with Ground Wheat Screenings not exceeding Mill Run	13.5	15.8	3.0	2.8	9.5	6.7
PRINCETON MILLS, PRINCETON, KENTUCKY						
Home Town Scratch Feed	9.5	9.7	3.0	3.0	3.5	---
** Check-R-Mix 16% Dairy Feed S Corn cobs used instead of Ground Ear Corn	16.0	<u>14.0</u>	2.5	2.6	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
PRINCETON MILLS, PRINCETON, KENTUCKY (Con't)						
** Check-R-Mix 16% Dairy Feed S	16.0	<u>14.7</u>	2.5	<u>1.7</u>	12.0	10.7**
PURCELL SEED COMPANY, EVANSVILLE, INDIANA						
Purcell's 18% Poultry Mash Crumbles	18.0	18.5	3.0	3.2	5.0	4.5
** Purcell's 18% Poultry Mash	18.0	<u>17.4</u>	3.0	3.1	5.0	4.5**
Purcell 20% Laying Mash	20.0	<u>20.6</u>	2.5	3.6	7.0	4.8
Purcell's Pig & Sow Ration	20.0	21.9	3.5	3.5	6.0	5.2
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS						
Ful-O-Pep Chick Starter	20.0	20.9	4.0	4.9	6.5	5.3
Ful-O-Pep Chlortetracycline and 3-Nitro-4-Hydroxy Mixture in Ful-O-Pep Broiler Bracer	20.0	21.6	3.0	3.9	4.0	2.4
Ful-O-Pep Cage Layer	16.0	17.1	4.0	3.8	6.5	6.9
Ful-O-Pep Laying Mash	20.0	20.7	3.0	2.9	8.0	7.9
Ful-O-Pep Laying Mash (L)	20.0	20.6	3.0	3.0	8.0	8.4
Ful-O-Pep Sweet 16% Dairy Feed	16.0	17.7	2.5	2.3	15.0	11.0
** Ful-O-Pep Sweet 16% Dairy Feed 2.06% excess non-protein nitrogen from urea	16.0	19.9	2.5	<u>1.8</u>	15.0	12.1**
** Ful-O-Pep 0.0022% Diethylstilbestrol Mixture in Ful-O-Pep 40% Cattle Concentrate	40.0	38.6	.7	1.1	12.0	10.4**
Ful-O-Pep Horse Feed	11.0	11.4	3.0	2.8	8.5	6.4
Quaker Sugared Schumacker Feed	12.0	13.6	2.5	2.9	12.0	12.5
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI						
Purina Turkey Growena	20.0	21.3	3.5	5.8	7.0	4.9
Purina Chick Growena	17.0	18.2	3.0	4.5	7.0	5.3
Purina Chick Growena	17.0	17.8	3.0	4.4	7.0	5.4
Purina 3-Nitro-4-Hydroxyphenylarsonic Acid & Nicarbazine Mixture in Purina Broiler Chow Starter	23.0	24.3	4.5	6.0	4.0	3.7
Purina Broiler Chow Finisher	20.0	22.0	4.5	5.6	3.0	2.7
Purina Pullet Developer	13.0	14.4	2.5	4.6	8.0	7.0
Purina Poultry Booster Chow	24.0	23.6	2.5	3.9	8.0	5.8
Purina Poultry Booster Chow	24.0	25.0	2.5	3.5	8.0	5.8
Purina Layena (Complete Ration)	16.0	17.0	3.5	4.7	6.0	4.5
Purina Layena (Complete Ration)	16.0	18.1	3.5	4.5	6.0	4.4
Purina Layena (Complete Ration)	16.0	17.7	3.5	4.5	6.0	5.4
Purina Breeder Lay Chow E	23.0	25.3	3.5	5.2	5.0	4.7
Purina Lay Chow	21.0	21.4	3.0	4.0	6.5	5.3
Purina Lay Chow	21.0	22.1	3.0	4.2	6.5	5.2
Purina Lay Chow	21.0	21.9	3.0	4.7	6.5	5.1
Purina Eggena	16.0	19.5	3.0	3.7	7.0	5.2
Purina Eggena	16.0	17.5	3.0	4.3	7.0	5.8
Purina Eggena	16.0	17.0	3.0	4.3	7.0	6.0
Purina Super Lay Chow	23.0	25.8	10.0	9.8	5.0	4.6
Purina Super Cage Layena	17.0	18.8	7.0	6.7	4.5	3.6
Check-R-Mix 24% Dairy Feed A	24.0	25.5	2.5	2.7	11.0	7.6
** Purina 18% Dairy Chow	18.0	<u>17.1</u>	2.5	3.0	15.0	10.8**
** Purina 18% Dairy Chow 0.7% excess non-protein nitrogen from urea	18.0	20.9	2.5	3.4	15.0	10.6**

\*\*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
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI (Con't)						
Purina 18% Dairy Chow	18.0	17.5	2.5	3.7	15.0	---
Purina 18% Dairy Chow	18.0	20.2	2.5	3.1	15.0	9.5
Purina 18% Dairy Chow	18.0	19.0	2.5	3.6	15.0	8.9
Purina 18% Dairy Chow	18.0	18.7	2.5	4.0	15.0	10.0
Purina 18% Dairy Chow	18.0	19.4	2.5	2.8	15.0	9.1
Purina 18% Dairy Chow	18.0	21.2	2.5	2.8	15.0	8.0
Purina 18% Dairy Chow H	18.0	20.3	2.5	2.0	15.0	7.6
Purina 18% Dairy Chow H	18.0	18.7	2.5	2.1	15.0	7.1
Purina 18% Dairy Chow H	18.0	18.1	2.5	2.2	15.0	7.5
Purina Milk Chow	16.0	17.5	2.5	2.5	10.0	8.1
Purina .0011% diethylstilbestrol Mix in Purina Special Steer Fatena	32.0	34.6	2.0	2.0	12.0	7.1
Purina .0011 Diethylstilbestrol Mix in Purina Special Steer Fatena	32.0	34.3	2.0	1.9	12.0	7.8
** Purina Steer Fatena	32.0	35.9	2.0	2.2	10.0	5.6**
0.26% excess non-protein nitrogen from urea						
Purina Steer Fatena	32.0	----	2.0	----	10.0	---
Checked for urea only - satisfactory						
Purina Steer Fatena	32.0	----	2.0	---	10.0	---
Checked for urea only - satisfactory						
Purina Hog Chow Supplement	36.0	----	2.0	1.8	10.0	---
Purina Hog Chow Supplement	36.0	----	2.0	2.3	10.0	---
Purina Hog Chow Supplement	36.0	----	2.0	1.9	10.0	---
Purina Hog Chow Supplement	36.0	----	2.0	2.0	10.0	---
Purina Sow & Pig Chow (Supplement) (Aureomycin) Mixture in Purina Baby Pig Chow	32.0	32.0	2.5	3.2	9.0	6.6
Purina Aureomycin Mixture in Purina Pig Startena	18.0	18.9	4.0	5.3	3.0	3.0
Purina Aureomycin Mixture in Purina Pig Startena	18.0	20.3	4.0	5.9	6.0	4.8
Purina Chlortetracycline Hydrochloride (Aureomycin) Mixture in Purina Pig Startena	18.0	18.8	4.0	5.7	6.0	4.0
Purina Hog Fatena Meal	14.0	17.2	2.5	2.9	7.0	5.5
Purina Calf Startena	19.5	22.2	2.5	3.4	8.5	7.1
Purina Fat Calf Chow	14.0	16.6	2.5	3.1	8.0	6.8
Purina Sheep Checkers A	20.0	20.2	2.5	3.2	8.0	5.6
Purina Rabbit Chow Checkers (Complete Ration)	15.0	16.7	2.0	3.1	18.0	11.7
REELFOOT ALFALFA MILL, TIPTONVILLE, TENNESSEE						
17% Alfalfa Meal-Dehydrated	17.0	17.3	1.5	---	2.7	---
** 17% Alfalfa Meal-Dehydrated	17.0	<u>14.6</u>	1.5	2.1	27.0	24.9**
Very much below guaranty in protein						
** 17% Alfalfa Meal-Dehydrated	17.0	<u>15.0</u>	1.5	2.4	27.0	23.4
RENFRO SUPPLY COMPANY, WILLIAMSBURG, KENTUCKY						
** Renfro 24% Dairy Feed	24.0	23.7	2.5	<u>1.8</u>	10.0	8.3**
RHODES SWEET FEED MILL, MAYFIELD, KENTUCKY						
Feeders Choice 16% Dairy Feed	16.0	15.8	2.5	2.5	10.0	9.6
RIVER BRAND RICE MILLS, INC., JONESBORO, ARKANSAS						
** Rice Mill Feed	6.0	6.1	5.0	<u>4.0</u>	30.0	27.8**
Rice Mill Feed	6.0	----	5.0	<u>4.7</u>	30.0	---

\*\*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
ROBBINS BROTHERS, AUBURN, KENTUCKY						
** Hominy Feed	10.0	9.8	7.0	<u>5.7</u>	8.0	5.5**
ROBERTS BROTHERS, BURLINGTON, KENTUCKY						
Unique 18% Protein Egg Mash	18.0	19.1	3.0	3.6	7.0	7.4
** Unique 18% Protein Egg Mash Contained mixed screenings	18.0	17.5	3.0	4.2	7.0	7.3**
ROBINSON MILLING COMPANY, SOMERSET, KENTUCKY						
Sun-Ray 20% Egg Mash	20.0	20.1	3.5	4.2	7.0	7.0
Sun-Ray 20% Egg Mash	20.0	21.8	3.5	4.1	7.0	6.8
Sun-Ray 20% Egg Mash	20.0	21.4	3.5	5.1	7.0	6.2
RUSSELL GRAIN COMPANY, HILLIARDS, OHIO						
** Russell's 262 Brand 24% Dairy Feed Very much below guaranty in protein 1.23% excess non-protein nitrogen from urea Misbranded	24.0	<u>19.0</u>	2.5	2.1	15.0	9.9**
Russell's 262 Brand 24% Dairy Feed	24.0	23.5	2.5	2.0	15.0	10.6
** Russell's 262 Brand 16% Dairy Feed 0.46% excess non-protein nitrogen from urea	16.0	18.6	2.5	2.0	15.0	10.3**
SAM RYLE, BURLINGTON, KENTUCKY						
R & H Brand 18% Protein Sweet Dairy Feed	18.0	20.7	3.0	3.3	10.0	5.4
SACRAMENTO FEED MILL, SACRAMENTO, KENTUCKY						
Cracked Corn	8.0	9.8	3.5	3.5	3.0	2.5
SALYERSVILLE WHOLESALE INC., SALYERSVILLE, KENTUCKY						
Quick Lay Mash	20.0	21.1	3.5	4.6	8.0	7.0
SAUNDERS MILLS, INC., TOLEDO, OHIO						
Vita Greens Alfalfa Meal Dehydrated	17.0	19.8	1.5	3.2	27.0	19.0
SANDUSKY BROTHERS, HARRODSBURG, KENTUCKY						
Mixed Feed	13.0	13.9	3.0	3.9	8.0	8.1
SCHENKS, VINCENNES, INDIANA						
Dehydrated Alfalfa Meal	17.0	19.3	1.5	3.0	27.0	22.4
J. F. SCHNEIDER & SON, MIDDLESBORO, KENTUCKY						
Cudjo 50% Tankage	50.0	49.5	10.5	11.0	2.5	1.6
** Cudjo 50% Tankage	50.0	48.4	10.5	10.1	2.5	1.8**
THE SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI						
** Gristo Economy Dairy	16.0	----	2.5	----	11.0	<u>15.7**</u>
SHIVELY FEED & SEED COMPANY, COLUMBIA, KENTUCKY						
Shively's Blue Ribbon 16% Dairy	16.0	15.6	2.5	3.0	9.0	6.9
Shively's Blue Ribbon 40% Hog Supplement	40.0	42.3	.5	1.5	7.0	6.8
Blue Ribbon Ground Ear Corn	8.0	8.7	3.5	4.2	8.0	7.3
SIMPSON COUNTY MILLS, FRANKLIN, KENTUCKY						
Ground Barley	12.0	11.9	2.0	---	6.0	---
** Ground Barley	11.0	<u>9.0</u>	2.0	1.6	7.0	5.4**

\*\*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
SIMPSON COUNTY MILLS, FRANKLIN, KENTUCKY (Con't)						
Ground Oats	11.0	11.0	4.0	5.8	12.0	10.8
Crushed Snapped Corn	8.0	8.0	3.2	3.0	8.0	6.8
SLAUGHTERS MILLING COMPANY, SLAUGHTERS, KENTUCKY						
Wheat Mixed Feed & Screenings	13.0	14.3	3.0	3.5	8.5	4.4
Mixed Feed	12.0	13.7	4.0	4.4	8.7	5.5
SMITH RICE MILLS, INC., DEWITT, ARKANSAS						
Rice Bran	12.0	11.5	12.0	14.0	12.0	8.6
THE SOUTHERN COTTON OIL COMPANY, HUNTSVILLE, ALABAMA						
Sco-Co 41% Protein Cottonseed Meal Prime Quality,	41.0	40.5	3.0	---	14.0	---
Sco-Co 41% Protein Cottonseed Meal Prime Quality	41.0	41.4	3.0	---	14.0	---
THE SOUTHERN COTTON OIL COMPANY, SHEFFIELD, ALABAMA						
** Sco-Co 41% Protein Cottonseed Meal Prime Quality	41.0	<u>39.7</u>	3.0	5.9	14.0	13.0**
** Sco-Co 41% Protein Cottonseed Meal	41.0	<u>39.9</u>	3.0	6.3	14.0	11.8**
** Sco-Co Brand 41% Protein Cottonseed Meal	41.0	<u>39.9</u>	3.0	---	14.0	---**
Sco-Co 41% Protein Cottonseed Meal Prime Quality	41.0	42.4	3.0	6.0	14.0	9.1
SOUTHERN STATES CRITTENDEN COOPERATIVE, INC., MARION, KENTUCKY						
40% Hog Producer	40.0	41.8	3.5	4.2	5.0	3.7
SOUTHERN STATES CAMPBELLSVILLE COOPERATIVE, CAMPBELLSVILLE, KENTUCKY						
16% Co-op Dairy	16.0	17.0	3.0	2.8	10.0	6.8
40% Pork Booster	40.0	43.3	2.0	4.5	5.0	4.4
40% Pork Booster	40.0	40.3	3.5	3.7	5.0	3.1
WOODFORD SPEARS & SONS, PARIS, KENTUCKY						
Bourbon 18% Laying Mash	18.0	21.8	2.5	3.3	7.0	4.8
SPENCER KELLOGG & SONS, INC., DECATUR, ILLINOIS						
Spencer Kellogg's 44% Solvent Extracted Soybean Oil Meal	44.0	46.0	.5	1.1	7.0	7.4
A. E. STALEY MANUFACTURING COMPANY, DECATUR, ILLINOIS						
Staley's Sta-Lay Pellets	22.0	24.2	2.0	3.0	4.0	3.5
Staley's 14% Pork Fattener Pellets	14.0	16.2	2.5	3.7	7.5	7.1
Staley's 44% Solvent Extracted Soybean Oil Meal	44.0	45.6	.5	.8	7.0	5.9
Staley's 21% Corn Gluten Feed	21.0	23.4	1.5	4.1	8.0	6.7
Staley's Corn Gluten Meal	41.0	44.8	1.0	1.5	6.0	2.0
STALEY MILLING COMPANY, KANSAS CITY, MISSOURI						
Staley Four Bells Atoms Brand Duo Egg Producer	22.0	22.4	2.5	3.6	8.0	7.0
Staley Four Bells Atoms Brand Pullet Ration	18.0	18.4	2.5	2.7	8.0	5.7
Staley Mileage Dehydrated Corn Cob & Molasses Mixture with Minerals	2.0	5.4	---	.4	21.0	20.3
** Staley Mileage Dehydrated Corn-Cob & Molasses Mixture with Minerals	2.0	---	---	---	21.0	<u>23.4**</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
<b>STURGIS MILLING COMPANY, STURGIS, KENTUCKY</b>						
** Neva-Fail Ground Dehydrated Corn Cobs & Molasses Mixture Very much above guaranty in fiber	2.0	4.4	---	.3	21.0	24.0**
<b>SUMMER SHADE ROLLER MILLS, SUMMER SHADE, KENTUCKY</b>						
Summer Shade Egg Laying Mash	20.0	21.5	2.5	4.3	8.0	5.1
Summer Shade 16% Dairy Feed	16.0	15.5	2.5	2.5	10.0	7.1
<b>SUN-RAY FEED MILLS, LEXINGTON, KENTUCKY</b>						
Sugar Creek 20% Laying Mash	20.0	21.7	3.5	4.2	7.0	6.4
Sugar Creek 24% Dairy Feed	24.0	23.8	2.5	2.1	10.0	6.9
** Green Valley 24% Dairy Feed	24.0	23.2	2.5	2.5	10.0	6.8**
** Sugar Creek 16% Dairy Feed	16.0	15.1	2.5	2.6	10.0	8.6**
Green Valley 16% Dairy Feed	16.0	16.0	2.5	---	10.0	---
** Green Valley 16% Dairy Feed	16.0	14.7	2.5	2.6	10.0	7.9**
** Kow Kandy 16% Dairy Feed Contained corn cobs	16.0	13.5	3.0	1.7	15.0	11.2**
** Kow Kandy 16% Dairy Feed Contained corn cobs	16.0	14.6	3.0	2.4	15.0	9.1**
Sun-Ray 40% Hog Supplement	40.0	42.7	2.5	3.1	7.0	6.6
Sun-Ray Horse & Mule Feed	10.0	9.7	3.0	2.5	8.0	4.8
<b>SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY</b>						
Sun-Ray 20% Protein Laying and Breeder Mash	20.0	22.3	4.0	5.0	6.0	6.4
** Sun-Ray 24% Sweet Dairy Feed Very much below guaranty in protein Misbranded	24.0	19.0	4.0	---	10.0	---**
** Sun-Ray 24% Sweet Dairy Feed Very much below guaranty in protein Misbranded	24.0	18.1	4.0	3.6	10.0	8.5**
** Booster Brand 16% Stock Feed Very much below guaranty in protein	16.0	13.1	3.5	3.5	9.0	9.5**
<b>SUNSHINE BISCUITS, INC., GRAFTON, OHIO</b>						
** U M C Wheat Middlings (with screenings) Contained mixed screenings	14.0	16.0	3.5	4.5	9.5	6.5**
<b>SUPREME MILLS, GLASGOW, KENTUCKY</b>						
Supreme Brand H E 20% Protein Laying Mash	20.0	21.6	3.5	4.9	5.5	4.5
Supreme Brand H E 20% Protein Laying Mash	20.0	22.1	3.5	4.1	5.5	4.6
Supreme Brand H E 20% Protein Laying Mash	20.0	20.8	3.5	4.5	5.5	4.3
** Supreme 45% Dairy Concentrate 0.35% excess non-protein nitrogen from urea	45.0	49.3	2.0	3.3	9.0	5.9**
Supreme 45% Dairy Concentrate	45.0	44.5	2.0	---	9.0	---
Supreme 45% Dairy Concentrate	45.0	49.4	2.0	3.0	9.0	5.9
Premo Brand 24% Dairy Feed	24.0	24.8	2.5	2.7	12.5	10.9
Premo Brand 24% Dairy Feed	24.0	25.7	2.5	3.0	12.5	12.2
Supreme Special 20% Protein Dairy Feed	20.0	21.4	3.5	3.0	10.0	8.1
Supreme Special 20% Protein Dairy Feed	20.0	19.5	3.5	3.5	10.0	8.7
Supreme Special 16% Dairy Feed	16.0	17.0	2.5	3.2	10.0	9.5
Supreme Special 16% Protein Dairy Feed	16.0	20.6	3.0	3.6	15.0	9.2
Feeders Pride 16% Protein Dairy Feed	16.0	17.4	2.5	2.5	15.0	12.9

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

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>SUPREME FEED MILLS, GLASGOW, KENTUCKY (Con't)</b>						
Supreme Brand 17 1/2% Protein Pig and Hog Feed	17.5	17.7	3.0	3.3	6.0	4.0
Supreme Brand 15% Protein Hog Fattening Feed	15.0	17.6	3.5	6.4	6.0	5.7
Supreme Brand 15% Protein Hog Fattening Feed	15.0	18.3	3.5	6.4	6.0	5.5
Premo Brand Stock Feed	14.0	15.0	3.5	6.1	9.0	4.0
<b>D. B. SUTHERLAND &amp; SONS, BLOOMFIELD, KENTUCKY</b>						
Ky. Star 20% Laying Mash	20.0	20.0	3.5	3.6	7.0	4.4
Ky. Star Special 24% Dairy Feed	24.0	26.9	2.5	2.7	10.0	5.3
Ky. Star Special 24% Dairy Feed	24.0	25.0	2.5	2.3	10.0	5.9
Ky. Star Special 20% Dairy Feed	20.0	19.7	2.5	3.7	10.0	5.3
Ky. Star Special 20% Dairy Feed	20.0	20.1	2.5	3.0	10.0	6.0
Sutherlands' 40% Hog Supplement	40.0	41.7	3.0	4.2	9.0	5.7
Ky. Star Brand Farm Feed	13.5	14.9	3.5	3.5	8.0	5.0
Ky. Star Brand Farm Feed	13.5	14.9	3.5	3.4	8.0	4.9
Ky. Star Brand Farm Feed	13.5	14.5	3.5	3.4	8.0	4.2
Ky. Star Brand Farm Feed	13.5	15.1	3.5	3.8	8.0	6.2
<b>SWEET FEED MILLS, INC., BOWLING GREEN, KENTUCKY</b>						
Goodfresh 20% Protein Laying Mash	20.0	20.2	2.5	5.6	8.0	6.0
Goodfresh 16% Dairy Feed	16.0	16.7	3.0	3.0	15.0	6.0
Goodfresh 16% Dairy Feed	16.0	17.5	3.0	2.8	15.0	7.8
** Goodfresh Hog Fat (Fattening)	14.0	13.0	4.0	---	8.0	---**
** Goodfresh Hog Fat (Fattening)	14.0	13.2	4.0	4.0	8.0	6.1**
<b>SWEET FEEDS, HOPKINSVILLE, KENTUCKY</b>						
** Pratts Thrifty 16% Sweet Dairy Feed	16.0	17.2	3.0	1.9	9.5	5.6**
Pratts Supreme 16% Pig & Sow Feed	16.0	18.3	3.0	3.8	6.0	5.0
<b>SWIFT &amp; COMPANY, CHICAGO, ILLINOIS</b>						
Swift's 3-Nitro Nicarbazin Mixture inc. in Swift's Broiler Ration	22.0	----	6.0	7.0	4.5	---
Swift's Complete Poultry Breeder 44% Protein Solvent Extracted Soybean Oil Meal	17.0	16.8	5.5	7.6	7.0	6.1
Swift's 44% Solvent Extracted Soybean Oil Meal	44.0	45.9	.5	1.2	7.0	5.9
Swift's 41% Cottonseed Meal	44.0	47.8	.5	.8	7.0	5.8
Swift's 41% Cottonseed Meal	41.0	41.2	4.0	4.0	13.0	12.8
<b>TARTER'S FEED MILL, LIBERTY, KENTUCKY</b>						
Sur-Good Brand Hog Fattener	14.0	18.2	3.0	5.7	6.0	4.6
<b>TAYLOR COUNTY IMPLEMENT &amp; FEED COMPANY, CAMPBELLSVILLE, KENTUCKY</b>						
Economy Brand 18% Egg Mash	18.0	20.4	2.5	4.6	7.0	5.3
Economy Brand 16% Dairy Feed	16.0	16.8	2.5	2.5	10.0	7.3
<b>THOMPSON'S FEED &amp; SUPPLY COMPANY, ARLINGTON, KENTUCKY</b>						
Thompson's Laying Mash	20.0	20.7	2.5	4.3	8.0	4.0
** Thompson's 16% Dairy Feed	16.0	18.3	2.5	2.8	10.0	8.2**
Contained cottonseed hulls and corn cobs						
Thompson's 14% Hog Feed	14.0	14.1	2.5	3.8	8.0	2.8
<b>L. F. THURMOND, MURRAY, KENTUCKY</b>						
Crushed Wheat	10.0	11.5	2.0	1.5	3.0	3.5
Crushed Oats	11.0	10.6	4.0	5.5	12.0	10.6

\*\*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						
Profit Maker Brand 18% Laying Mash	18.0	19.9	3.0	3.5	7.0	4.8
Masco 24% Protein Dairy Feed	24.0	27.3	3.5	3.6	10.0	9.2
Masco 16% Protein Milking Dairy Feed	16.0	16.8	3.0	3.2	9.0	5.9
Masco 30% Pig & Sow Supplement	30.0	31.2	3.0	3.8	7.0	6.6
TRENTON COTTON OIL COMPANY, TRENTON, TENNESSEE						
Trenton Brand 41% Protein Cottonseed Meal Prime Quality	41.0	40.6	4.0	3.7	14.0	12.2
Trenton Brand 41% Protein Cottonseed Meal	41.0	41.2	4.0	3.8	14.0	14.1
Trenton Brand 41% Cottonseed Meal	41.0	42.4	4.0	4.3	14.0	9.7
TRENTON MILLING COMPANY, TRENTON, ILLINOIS						
** Easter Lily Wheat Gray Shorts & Screenings	16.0	15.7	4.0	5.0	6.0	<u>7.5**</u>
TRI-STATE MILLS, KENOVA, WEST VIRGINIA						
Daisy 24% Dairy Feed	24.0	25.7	2.5	3.2	15.0	12.6
THE UBIKO MILLING COMPANY, COLUMBUS, OHIO						
3-Nitro and Nitrofurazone Mixture inc. in Life Guard Starter and Grower	17.0	19.9	3.5	3.8	7.0	5.2
Life Guard Growing Mash	20.0	23.6	3.5	3.9	8.0	5.9
Life Guard Developer	17.0	20.4	3.5	3.6	7.0	4.9
C. F. VISSMAN & COMPANY, LOUISVILLE, KENTUCKY						
** Vissman's 60% Protein Digester Tankage	60.0	<u>58.5</u>	6.0	9.2	3.0	1.7**
VITALITY MILLS, INC., CHICAGO, ILLINOIS						
Vitality Velvet 16% Dairy Feed	16.0	19.0	2.5	3.0	9.0	6.6
Velvet 16% Dairy Feed	16.0	19.5	2.5	3.2	9.5	7.4
Badger 16% Sweet Dairy Feed	16.0	18.8	2.5	3.2	10.0	7.3
WEISENBERGER MILLS, MIDWAY, KENTUCKY						
Mixed Feed	14.0	14.0	4.0	3.8	10.5	6.8
Mixed Feed	14.0	14.9	4.0	4.3	10.5	6.8
WEST KENTUCKY RENDERING COMPANY, MAYFIELD, KENTUCKY						
50% Protein Tankage	50.0	54.5	8.0	10.5	3.0	3.2
WEST TENNESSEE SOYA MILL, INC., TIPTONVILLE, TENNESSEE						
44% Protein Solvent Extracted Soybean Oil Meal	44.0	45.1	.5	.4	7.8	5.8
WESTERN CONDENSING COMPANY, APPLETON, WISCONSIN						
Pebble's Lacto-G-Dried Whole Whey	12.0	12.5	.5	.3	---	---
WESTERN SOYA MILLS, INC., TIPTONVILLE, TENNESSEE						
44% Protein Soybean Oil Meal Solvent Extracted	44.0	49.7	.5	.7	7.8	5.2
MARTHA WHITE MILLS OF WEST VIRGINIA, HUNTINGTON, WEST VIRGINIA						
Fortune 20% Laying Mash	20.0	20.9	2.5	4.5	7.0	6.6
Fortune 24% Dairy Feed	24.0	24.9	2.5	3.3	14.0	8.4
Fortune 24% Dairy Feed	24.0	25.6	2.5	3.4	14.0	8.4
Fortune 40% Hog Supplement	40.0	43.0	2.5	4.0	8.0	6.5

\*\*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 MILLS, WILLIAMSTOWN, KENTUCKY						
** Williamstown 18% Dairy Feed	18.0	<u>15.4</u>	2.5	2.5	10.0	9.0**
Very much below guaranty in protein						
WINN & TOBIN MILLING COMPANY, LEITCHFIELD, KENTUCKY						
** Daisy 20% Protein Breeder Mash	20.0	<u>19.4</u>	2.5	3.7	7.5	6.3**
** Daisy Scratch Feed	9.0	9.4	2.5	2.6	3.0	2.2**
Contained unground weed seeds						
** Daisy 16% Protein Dairy Feed	16.0	18.9	3.5	2.6	10.0	8.7**
Daisy 16% Protein Dairy Feed	16.0	17.2	2.5	2.2	10.0	9.2
Corn & Cob Meal	7.0	8.7	3.0	3.1	8.0	6.8
WINGO FEED & SUPPLY, WINGO, KENTUCKY						
Wingo Special 18% Pig & Sow Feed	18.0	20.8	4.0	3.8	6.0	5.4
WINN MILLING COMPANY, GREENSBURG, KENTUCKY						
Daisy 20% Laying Mash	20.0	21.2	3.0	3.4	8.0	6.4
** Daisy 16% Protein Dairy Feed	16.0	17.3	2.5	<u>1.6</u>	15.0	13.7**
WOODFORD FEED COMPANY, VERSAILLES, KENTUCKY						
Big W 18% Egg Mash	18.0	17.5	3.0	3.9	8.0	4.7
WOOLCOTT FLOUR MILLS, INC., LEXINGTON, KENTUCKY						
Woolcot+ Mixed Feed	12.0	11.5	4.0	3.9	8.5	2.5
YOUNG FEED & GRAIN COMPANY, LEWISPORT, KENTUCKY						
** Check-R-Mix Laying Feed (All Mash) SN	16.0	16.2	3.0	4.4	8.0	4.4
Contained corn cobs						

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