

# Commercial Feeds in Kentucky, 1952

Including Report on Official Feed  
Samples Analyzed

October–December, 1952



Kentucky Agricultural Experiment Station  
University of Kentucky  
Lexington

FEED AND FERTILIZER DEPARTMENT  
KENTUCKY AGRICULTURAL EXPERIMENT STATION

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\* Resigned during 1952  
\*\* Employed December 1, 1952

## COMMERCIAL FEEDS IN KENTUCKY, 1952

The estimated tonnage of commercial feeds consumed in Kentucky during 1952, based on sale of guaranty tags, was 648,800 tons, for which farmers paid an estimated \$55,000,000. This was 35,854 tons more than was sold in 1951, and exceeded the tonnage purchased in any of the previous six years.

Tonnage of feed sold in Kentucky, as estimated from the number of tags issued by calendar years, beginning with 1940, was as follows:

|           |         |           |         |
|-----------|---------|-----------|---------|
| 1940..... | 356,138 | 1946..... | 647,661 |
| 1941..... | 350,000 | 1947..... | 582,375 |
| 1942..... | 426,805 | 1948..... | 634,000 |
| 1943..... | 630,438 | 1949..... | 607,255 |
| 1944..... | 663,093 | 1950..... | 584,441 |
| 1945..... | 671,351 | 1951..... | 612,946 |
|           |         | 1952..... | 648,800 |

Of the tonnage for 1952, 134,229 tons were dairy feeds ; 51,429 tons, hog feed; 12,727 tons, horse and mule feed; 166,248 tons, poultry feed; 18,265 tons, turkey feed; 32,274 tons, scratch feed; 5,552 tons, rabbit feed; 924 tons, sheep feed; 6,105 tons, calf feed; 15,608 tons stock feed; 14,806 tons, dog and cat feed; 180 tons, goat feed; 5,981 tons, mineral feed; 1,901 tons, protein and mineral feed; 153,834 tons, straight products and by-products and 28,103 tons, miscellaneous feed.

A summary of estimated sales by class of feed is given on Table 1.

The record of samples correctly labeled in 1952 was 78%. This was one percent under the record for 1951.

The percentage of feed samples meeting the guarantee for each of the past five years is summarized as follows:

|           |     |
|-----------|-----|
| 1948..... | 56% |
| 1949..... | 68% |
| 1950..... | 70% |
| 1951..... | 79% |
| 1952..... | 78% |

In 1952, inspectors collected 3,464 samples of feed.

The laboratory made 3974 analyses for protein, 3896 for fat, 3730 for fiber, 209 for calcium, 238 for phosphorus, 207 for salt, 505 for Urea, 3437 for moisture, 161 for ash, 52 for drugs and vitamins.

Farmers, feed dealers, and manufacturers sent in 287 samples on which 1713 analyses were made.

In addition to the chemical analyses, each sample was examined microscopically to determine whether or not the feed contained the guaranteed ingredients. If ingredients other than those guaranteed were found, this was noted. Also, the presence of adulterants, weed seeds, and such was indicated when necessary. Ingredients present in such small amounts as to have little or no nutritional value were also indicated by the microscopic examination.

TABLE I SUMMARY OF SALES BY CLASS OF FEED, KENTUCKY, 1952

| FEED                                     | TONS    | FEED                                     | TONS    |
|--|---------|--|---------|
| <b>STRAIGHT PRODUCTS AND BY-PRODUCTS</b> |         | <b>SPECIAL PURPOSE FEEDS (Continued)</b> |         |
| Alfalfa Meal-----                        | 625     | Dog Feed-----                            | 14,508  |
| Barley, Ground-----                      | 100     | Cat Feed-----                            | 298     |
| Bone Meal-----                           | 425     | Goat Feed-----                           | 180     |
| Brewers Dried Grains-----                | 2,000   | Hog Feed----                             |         |
| Corn, Ground-----                        | 1,363   | Fattening and Growing-----               | 30,534  |
| Corn, Meal-----                          | 356     | Protein Supplement-----                  | 20,895  |
| Corn Feed Meal-----                      | 325     |  |         |
| Corn By-Products Feed-----               | 3,625   | Total Hog Feed-----                      | 51,429  |
| Cracked Corn-----                        | 24,870  |  |         |
| Crushed Ear Corn-----                    | 1,100   | <b>Horse and Mule Feed</b>               |         |
| Cottonseed Meal-----                     | 8,700   | Horse and Mule Feed, yellow tag          | 499     |
| Cottonseed Meal (Solvent)-----           | 50      | Horse and Mule Feed, white tag           | 12,727  |
| Distillers Dried Grains-----             | 5,850   |  |         |
| Distillers Dried Solubles-----           | 3,925   | Total Horse and Mule Feed                | 13,226  |
| Hominy Feed-----                         | 14,875  |  |         |
| Hominy Meal-----                         | 2,000   | Pigeon Feed-----                         | 135     |
| Linseed Oil Meal-----                    | 425     | <b>Poultry Grains</b>                    |         |
| Meat Scraps-----                         | 1,725   | Chick-----                               | 4,074   |
| Meat & Bone Scrap-----                   | 2,325   | Hen-----                                 | 28,200  |
| Mixed Feed-----                          | 9,725   |  |         |
| Oats, Ground-----                        | 470     | Total Poultry Grains-----                | 32,274  |
| Oat Hull Feed-----                       | 475     |  |         |
| Soybean Oil Meal-----                    | 11,025  | <b>Poultry Mash (Chickens)</b>           |         |
| Soybean Oil Meal (Solvent)-----          | 425     | All Mash Starter and Grower              | 127     |
| Soybean Feed (Extracted)-----            | 4,725   | All Mash Laying-----                     | 680     |
| Tankage-----                             | 5,100   | Fattening Mash-----                      | 2,726   |
| Wheat, Ground-----                       | 450     | Flushing Feed-----                       | 95      |
| Wheat, Bran-----                         | 8,500   | Growing Mash-----                        | 17,626  |
| Wheat Brown Middlings and Shorts--       | 7,375   | Starting Mash-----                       | 14,942  |
| Wheat Gray Middlings and Shorts--        | 24,975  | Starting & Growing Mash---               | 19,209  |
| Wheat Red Dog Flour-----                 | 125     | Broiler Mash-----                        | 31,232  |
| Wheat Mixed Feed-----                    | 5,425   | Laying Mash-----                         | 63,128  |
| Wheat Feeds-----                         | 375     | Protein Supplement-----                  | 16,483  |
|  |         |  |         |
| Total Products and By-Products           | 153,834 | Total Chicken Mash-----                  | 166,248 |
| <b>SPECIAL PURPOSE FEEDS</b>             |         | <b>Poultry Mash (Turkeys)</b>            |         |
| Calf Feed-----                           | 6,105   | Turkey Starting Mash-----                | 18,265  |
| <b>Dairy Feed</b>                        |         | Turkey Growing Mash-----                 | 8,229   |
| 16% Protein, yellow tag-----             | 14,380  | Turkey Laying Mash-----                  | 474     |
| 16% Protein, white tag-----              | 24,107  | Turkey Supplement-----                   | 4,468   |
| 18% Protein, yellow tag-----             | 298     |  |         |
| 18% Protein, white tag-----              | 4,548   | Turkey Mash-----                         | 5,094   |
| 20% Protein, yellow tag-----             | 828     |  |         |
| 20% Protein, white tag-----              | 24,480  | Rabbit Feed-----                         | 5,552   |
| 24% Protein, yellow tag-----             | 4,186   | Sheep Feed-----                          | 924     |
| 24% Protein, white tag-----              | 36,465  | Stock Feed-----                          | 15,608  |
| Protein Supplement-----                  | 22,599  | Mineral Feed-----                        | 5,981   |
| Dry, Freshening, and Fitting Feed        | 2,338   | Protein & Mineral Feed----               | 1,901   |
|  |         | Miscellaneous-----                       | 28,103  |
| Total Dairy Feed-----                    | 134,229 |  |         |
|  |         | Grand Total-----                         | 648,800 |

COMMERCIAL FEEDS, 1953

PURPOSE OF FEED LAW

Laws have as their basic principles, right and justice, protection and service, and if properly administered are great educators. Successful administration depends largely upon the cooperation of those whose interests they affect. The active interest and degree of cooperation of those so affected depend also on adequate knowledge of the provisions of the law and the ends to be attained in its proper operation. The operation of a law, therefore, should not only properly regulate or control, but should be educative as well. In the administration of the feedstuffs control in Kentucky this two-fold purpose has always been kept in view.

The manufacture and distribution of commercial feeds have reached large proportions. Inasmuch as the feeders of Kentucky alone pay annually upwards of fifty million dollars for stock feed, exclusive of whole grains and roughages, it is very important that the feeder, as well as the manufacturer and distributor, understand the significance of the feedstuffs law and its operation, and the various terms relative to the manufacture and distribution of feedstuffs.

REQUIREMENTS OF LAW

The State feedstuffs law requires each brand of commercial feed to be registered with the Feed Control Department of the Kentucky Agricultural Experiment Station and each bag of feed to be labeled with a Kentucky official tag giving the manufacturer's guaranty, before it can be lawfully sold or offered for sale in the State. Before an application for registration is accepted, it is examined carefully to see if the requirements of the law have been met, as to chemical standards and information given as to the nature of the materials used in making the feed, the amount of essential organic ingredients, and the limitation of fillers or materials of little or no feeding value as concentrates. Because of this close examination of registrations, many irregularities are eliminated before the feed appears on the market. After registrations are accepted and the feed appears on the market, inspections are made and samples taken and analyzed, to compare them with their registrations and guaranties. If a feed is found to be misbranded or adulterated, proper hearing is given the manufacturer and if the case merits, court action is entered against the offender and the registration is subject to cancellation.

### THE STATE TAG

The official tag or label not only informs the buyer that sale of the feed in question is authorized under the State law, but also gives information as the character of the feed. The purchaser should read carefully that part of the printed matter which tells what materials are contained in the feed, and the chemical analysis. The information given is sufficient to enable a feeder to select the feed that best suits his purpose, in quality and cost. Sometimes, however, feeders neglect to consider the statements on the tag, and buy trashy feed, of low feeding value. Though such feeds may be lower in price per 100 pounds, the actual feeding value may be more expensive than in a good, clean feed at a higher price per 100 pounds. The Department is striving to impress upon feeders the importance of reading and studying the information given on the official tags, when selecting feeds.

To mark more conspicuously certain important differences in the character of feeds, thereby making easier the selection by the purchaser, the Department issues tags according to a three-color scheme, as follows:

A manila tag printed with black ink designates a "straight" feed, that is, a feed made from only one grain or plant. Examples: wheat bran; wheat middlings; cottonseed meal; linseed oil meal; corn feed meal.

A manila tag printed with red ink designates a feed made of the products or by-products of two or more grains or plants, that is a "straight mixed" feed. Examples: wheat bran and corn bran; wheat bran, corn feed meal and cottonseed meal; corn, oats and alfalfa meal. The tag plainly tells what the materials are.

A yellow tag printed with black ink designates a feed containing a material of little or no nutritive value. Examples: oat hulls; cottonseed hulls; mixed screenings; ground chaff and dust; or other material containing an excessive percentage of fiber.

If a feeder wants to buy a trashy feed, it is his privilege to do so. Such materials may be useful as "roughage" tho containing little nutriment. But it is important that he consider make-up of the feed, as stated on the tag, in making a selection. Usually the nutrients in such feeds are more costly, even at the lower price, than they would be if purchased in feeds of better grade.

### SUGGESTIONS TO FEEDERS

No feeder can get the best and most economical results unless he exercises due intelligence in purchasing his feeds. The value of a feed depends upon that portion of the nutrients which an animal can digest, under ordinary conditions, and take into its system, to keep up heat and energy, produce growth, and repair the natural waste of the body. It will be of much value to a feeder if he will observe the following suggestions, when buying commercial feeds.

Read and study carefully the information given on the official tag. The information on the tag is sufficient to give the purchaser adequate knowledge of the character of the feed.

Quarterly Report on Feed Samples

COMMERCIAL FEEDS, 1952  
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            | 7.1     | 3.3  | 0.8          | 1.8           | 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       | 44.4    | 2.6  | 12.7         | 24.3          | 9.2   | 6.8  |
| Cottonseed Feed               | 34.6    | 6.3  | 14.1         | 31.5          | 7.6   | 5.9  |
| Distillers Dried Grains, Corn | 28.3    | 8.8  | 11.4         | 41.9          | 7.1   | 2.5  |
| Distillers Dried Grains, Rye  | 18.5    | 6.4  | 15.6         | 51.0          | 6.1   | 22.4 |
| Distillers Dried Solubles     | 30.0    | 5.0  | 3.0          | 47.6          | 7.0   | 7.4  |
| Fish Meal                     | 63.9    | 6.8  | 0.6          | 4.0           | 7.1   | 17.6 |
| Flaxseed                      | 22.6    | 33.7 | 7.1          | 23.2          | 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     | 36.9    | 2.9  | 8.7          | 36.3          | 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                | 3.2     | 0.0  | 0.0          | 65.0          | 25.7  | 6.1  |
| Molasses, Beet                | 9.0     | 0.0  | 0.0          | 62.0          | 22.0  | 7.0  |
| Oats                          | 11.5    | 4.6  | 11.0         | 60.9          | 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  | Carbohydrate |               | 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                   | 15.5    | 3.7  | 5.5          | 61.7          | 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                 | 26.0    | 8.0  | 2.5          | 50.1          | 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            | 49.3    | 1.0  | 3.7          | 31.9          | 6.2   | 7.9  |
| Yeast, Irradiated, dried        | 48.7    | 1.1  | 5.5          | 32.2          | 6.1   | 6.4  |
| <u>ROUGHAGES</u>                |         |      |              |               |       |      |
| 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, 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  |
| <u>FILLERS</u>                  |         |      |              |               |       |      |
| 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  |
| 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 Feed                   | 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.



Quarterly Report on Feed Samples

COMMERCIAL FEEDS, 1952

Miscellaneous Samples Analyzed in 1947-52

| Feedstuff                                 | Protein | Fat  | Fiber |
|---|---------|------|-------|
| Barley Bran                               | 15.2    | 5.2  | 14.9  |
| Blue Grass Chaff                          | 7.1     | 1.9  | 28.5  |
| Blue Grass Screenings                     | 6.7     | 2.0  | 26.1  |
| Blackberry Seeds                          | 9.6     |      |       |
| Buckwheat Feed & Hulls                    | 9.6     | 2.9  | 22.4  |
| Cake, Ground                              | 4.8     | 9.9  | 1.5   |
| 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   |
| Honey Suckle                              | 2.8     | 0.02 | 6.0   |
| Ice Cream Cones, Ground                   | 9.2     | 1.5  | 0.7   |
| Kale Seed                                 | 24.3    | 40.0 | 9.6   |
| Lespedeza Screenings                      | 19.8    | 15.7 | 26.2  |
| Lima Beans, Ground                        | 21.5    | 1.5  | 6.1   |
| Malt Hulls Ground                         | 10.3    | 1.8  | 22.5  |
| Osage Orange Apple                        | 2.5     | 4.3  | 1.7   |
| Peanut Vine Meal                          | 10.1    | 2.3  | 34.0  |
| Popcorn, Ground                           | 9.4     | 2.5  | 2.7   |
| Popcorn, Popped & 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  |
| 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   |

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<br>of protein,<br>or pounds<br>in 100 | Hundreds of<br>pounds of<br>each<br>ingredient | Pounds of<br>protein from<br>each<br>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<br>of protein,<br>or pounds<br>in 100 | Hundreds of<br>pounds of<br>each<br>ingredient | Pounds of<br>protein from<br>each<br>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 scrap-----       | 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.

## Quarterly Report on Feed Samples

### UREA

For the past few years the use of urea in dairy feeds has been growing and its use in 1952 was much greater than any previous year.

This was due to the low price per unit of protein equivalent in urea and in some cases the shortage of high protein meals.

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 ingredient list on the official Kentucky tag as follows: " \_\_\_\_\_ % Urea ( \_\_\_\_\_ % equivalent protein from non-protein) nitrogen. One percent of "262" appears as 9% Urea (2.62% equivalent protein from non-protein nitrogen)."

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.

### MEDICATED FEEDS

In the last few years, it has been found that a small amount of certain drugs in a poultry feed would aid in the prevention of some diseases. Growth stimulation also results from the use of some drugs.

Drugs available for use in poultry mashes include:

- Sulfaquinoxaline
- Nitrophenide
- 2-Amino-5-Nitrothiazole
- 2-Nitro-4-Hydroxyphenylarsonic Acid
- Nitrofurazone
- Sulfamethazine
- Sulfamilamide
- Arsanilic Acid
- 4-Nitrophenylarsonic Acid
- Para-Aminobenzoic Acid

These drugs are mixed in mashes in very small amounts and fed continuously as a preventative. If there is a disease in the flock a mash can be used with a larger percentage of drug. This is fed for two, three, or five days and then discontinued. If medicated feeds are used the instructions attached to the feed should be followed.

Kentucky requires the registration of these feeds and the drug is listed in the brand name, as, for example, "Nitrophenide in 20 % Starting Mash," and in the list of ingredients as 0.015% Nitrophenide

### POISON IN FEEDS

Each year a number of samples of feed are sent in for analysis, suggesting that the feed may contain poison. This is done because some poultry or stock have gotten sick or died and the feed is suspected. Analysis of these samples seldom shows that the feed in question contains a poisonous substance.

If animals are sick or die a veterinarian should be called and if a disease is present treatment should be started as soon as possible. If the veterinarian observes symptoms that indicate poison, then a sample of the feed should be sent in for analysis, with all pertinent information.

Suggestions that farmers should observe around the farm to eliminate poisoning of stock:

Silage should be inspected carefully before feeding to see if it is moldy. Feed that is old and moldy should never be fed.

Lead poisoning is caused by watering stock in paint buckets or letting them drink from a lead-lined receptacle. Stock may get lead in sufficient amounts to poison them or at least make them sick from licking paint from boards or machinery.

A very common material around the farm is fertilizer. Care should be taken to keep fertilizer labeled so that it will not be mistaken for salt in feeding stock. Empty fertilizer bags should not be left where stock can get to them. The most poisonous fertilizers are nitrate of soda, ammonium nitrate, sulfate of ammonia, and urea.

Other poisonous materials used on the farm include insecticides. They should be kept in a separate place so they will not accidentally be dropped into feed, and the bags containing them should be burned or buried.

## VITAMIN A ANALYSIS OF ALFALFA MEAL

| MANUFACTURER, BRAND & REMARKS               | U. S. P. UNITS<br>OF VITAMINS<br>A PER POUND |
|---|--|
| Aubrey & Co., Louisville, Kentucky          |  |
| 13 % Alfalfa Meal                           | 14,328                                       |
| 17% Dehydrated Alfalfa Meal                 | 87,798                                       |
| Bremco Alfalfa Mills, Inc. New Bremen, Ohio |  |
| Bremco 13% Alfalfa Meal                     | 5,998  |
| Luxora Gin Co., Luxora, Arkansas            |  |
| 17% Dehydrated Alfalfa Meal                 | 68,072                                       |
| Rafferty & Vowels, Charleston, Missouri     |  |
| 17% Dehydrated Alfalfa Meal                 | 90,797                                       |
| Reelfoot Alfalfa Mill Tiptonville, Tenn.    |  |
| 17% Dehydrated Alfalfa Meal                 | 83,133                                       |

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

Quarterly Report on Feed Samples

ANALYSIS OF MEDICATED FEEDS

| MANUFACTURER, BRAND & REMARKS  | DRUG                           | GUARANTEED      | FOUND            |
|--|--------------------------------|-----------------|------------------|
| Cooperative Mills, Cincinnati, Ohio<br>Arsanilic Acid in Broiler Maker Finisher                      | Arsanilic Acid                 | .0099%          | .0028%           |
| Early & Daniel Co., Cincinnati, Ohio<br>Nitrofurazone in Tuxedo Starter<br>Grower and Developer      | Nitrofurazone                  | .0055%          | .00555%          |
| Nitrofurazone in Tuxedo Broiler Mash   | Nitrofurazone                  | .0055%          | .00527%          |
| Nitrofurazone in Tuxedo Broiler Mash   | Nitrofurazone                  | .0055%          | .00344%          |
| Hales & Hunter Co., Chicago, Illinois<br>Nitrophenide and Arsanilic Acid in<br>Red Comb Broiler Mash | Nitrophenide<br>Arsanilic Acid | .015%<br>.0099% | .0107%<br>.0085% |
| Nitrophenide and Arsanilic Acid<br>in Red Comb Broiler Mash  | Nitrophenide<br>Arsanilic Acid | .015%<br>.0099% | .012%<br>.007%   |
| Nitrophenide and Arsanilic Acid<br>in Havana Poultry Mash  | Nitrophenide<br>Arsanilic Acid | .015%<br>.0099% | .0127%<br>.007%  |
| Nitrophenide and Arsanilic Acid<br>in Havana Poultry Pellets   | Nitrophenide<br>Arsanilic Acid | .015%<br>.0099% | .016%<br>.008%   |
| Nitrophenide in Havana<br>Poultry Pellets  | Nitrophenide<br>Arsanilic Acid | .015%           | .0047%<br>.0017% |

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 FEED SAMPLES ANALYZED

October, November and December, 1952

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<br>REMARKS   | Protein |       | Fat   |            | Fiber |       |
|--|---------|-------|-------|------------|-------|-------|
|  | Guar.   | Found | Guar. | Found      | Guar. | Found |
| ABILENE FLOUR MILLS, INC., ABILENE, KANSAS<br>Wheat Gray Shorts with Screenings            | 16.0    | 18.2  | 4.0   | 5.3        | 6.0   | 4.9   |
| ACKERMAN-BEARDSLEY-BENNETT, ALBANY, NEW YORK<br>Corn Distillers Dried Grains               | 25.0    | 28.9  | 5.0   | 9.4        | 15.0  | 11.9  |
| H. T. ADAMS COMPANY, HARRODSBURG, KENTUCKY<br>** Old Fort Brand 15% Protein All Mash       | 15.0    | 16.0  | 4.0   | <u>3.1</u> | 6.0   | 3.9** |
| ALBANY MILLS, ALBANY, KENTUCKY<br>Mixed Feed   | 11.5    | 13.2  | 3.0   | 3.2        | 5.5   | 5.3   |
| ALBERS MILLING COMPANY, LOS ANGELES, CALIFORNIA<br>Manna Brand 25% Protein Calf Feed       | 25.0    | 26.2  | 4.0   | 3.9        | 5.5   | 4.7   |
| ALBERS MILLING COMPANY, KANSAS CITY, MISSOURI<br>Friskies Dog Food                         | 10.0    | 10.3  | 2.5   | 5.0        | 1.0   | 0.6   |
| Friskies Dog Food Meal   | 24.0    | 29.1  | 5.0   | 5.6        | 4.0   | 2.6   |
| ALLEN COUNTY MILL, SCOTTSVILLE, KENTUCKY<br>Alco 16% Dairy Feed                            | 16.0    | 17.3  | 3.0   | 4.8        | 12.0  | 8.2   |
| ALLIED MILLS, CHICAGO, ILLINOIS<br>Wayne 27% Turkey Mash Supplement                        | 27.0    | 26.6  | 2.5   | 4.0        | 10.0  | 7.7   |
| Wayne Breeder Mash   | 20.0    | 21.0  | 3.0   | 4.4        | 8.0   | 5.7   |
| Wayne Mash Layer   | 20.0    | 19.7  | 3.0   | 3.8        | 8.0   | 8.0   |
| Wayne Mash Layer   | 20.0    | 21.7  | 3.0   | 4.3        | 8.0   | 7.0   |
| Wayne Mash Layer   | 20.0    | 21.2  | 3.0   | 3.3        | 8.0   | 7.5   |
| Wayne Egg Mash   | 20.0    | 21.1  | 3.0   | 3.4        | 8.0   | 5.5   |
| Wayne 32% Dairy Supplement   | 32.0    | 35.2  | 3.0   | 2.8        | 8.0   | 5.3   |
| Wayne 30% Dairy Mixer "C" Contained mixed  | 30.0    | 31.2  | 2.5   | 2.9        | 10.0  | 7.5   |
| Wayne 18% Dairy Feed screenings  | 18.0    | 21.5  | 3.0   | 3.3        | 11.0  | 8.9   |
| Sugarine 20% Dairy Feed  | 20.0    | 19.9  | 2.5   | 3.5        | 15.0  | 9.8   |
| Wayne 16% Dairy Feed   | 16.0    | 19.0  | 3.0   | 3.2        | 13.0  | 10.8  |
| Sucrene Range Blox   | 20.0    | 23.3  | 3.0   | 5.2        | 12.0  | 9.0   |
| ** Wayne 27% Sweet Mix Stock Supplement  | 27.0    | 33.3  | 3.0   | 1.7        | 10.0  | 5.4** |
| ** Wayne Roughage Supplement "A"   | 32.0    | 31.1  | 2.0   | 1.9        | 7.0   | 5.3** |
| Wayne Roughage Supplement "A"  | 32.0    | 32.9  | 2.0   | 2.2        | 7.0   | 4.7   |
| Wayne Roughage Supplement "A"  | 32.0    | 33.2  | 2.0   | 2.6        | 7.0   | 5.3   |
| Wayne Hog Balancer   | 35.0    | 37.3  | 2.0   | 1.7        | 8.0   | 6.0   |
| Wayne Pork Maker   | 14.0    | 15.7  | 3.0   | 4.3        | 8.0   | 5.1   |
| Wayne Pork Maker   | 14.0    | 16.6  | 3.0   | 4.3        | 8.0   | 4.7   |
| Wayne Tail Curler (For Pigs and Hogs)  | 18.0    | 18.6  | 3.0   | 3.3        | 5.0   | 3.2   |
| Wayne Rabbit Ration  | 17.0    | 18.3  | 3.0   | 3.6        | 15.0  | 11.1  |
| Wayne Dog Food Krums   | 25.0    | 26.4  | 7.0   | 8.4        | 5.0   | 3.3   |
| Wayne Dog Food Krums   | 25.0    | 25.8  | 7.0   | 8.0        | 5.0   | 3.6   |
| AMERICAN CRABMEAT COMPANY, BOSTON, MASSACHUSETTS<br>Three Little Kittens All Fish Cat Food | 15.0    | 15.1  | .50   | 0.7        | .10   | .10   |
| Three Little Kittens All Fish Cat Food   | 15.0    | 17.8  | .50   | .50        | .10   | 0.2   |
| ANDERSON AND SPILMAN, DANVILLE, KENTUCKY<br>Scratch Feed                                   | 9.5     | 9.2   | 3.0   | 2.7        | 3.0   | 2.2   |
| ANGLO SWEET FEED MILL, OWENSBORO, KENTUCKY<br>Ace Perfection Brand, 18% Protein Hog Feed   | 18.0    | 20.2  | 2.5   | 3.5        | 8.0   | 4.6   |
| Ace Brand Horse and Mule Feed  | 11.0    | 10.6  | 3.0   | 2.9        | 13.0  | 9.9   |

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



Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS  | Protein |             | Fat   |            | Fiber |       |
|---|---------|-------------|-------|------------|-------|-------|
|   | Guar.   | Found       | Guar. | Found      | Guar. | Found |
| ANIMAL FOUNDATION, INC., SHERBURNE, NEW YORK  |         |             |       |            |       |       |
| Hunt Club Brand Dog Food  | 25.0    | 25.6        | 5.0   | 5.5        | 4.0   | 2.5   |
| APEX MILLING COMPANY, TOLEDO, OHIO  |         |             |       |            |       |       |
| Apex 24% Dairy Feed   | 24.0    | 25.8        | 2.5   | 2.9        | 13.0  | 10.8  |
| ARCADY FARMS MILLING COMPANY, CHICAGO, ILLINOIS   |         |             |       |            |       |       |
| Arcady 32% Turkey Supplement (Ranger)   | 32.0    | 32.2        | 3.0   | 3.5        | 8.0   | 5.4   |
| Arcady 12% Protein Avitas Pellets (For Turkeys)   | 12.0    | 13.0        | 3.5   | 5.0        | 10.0  | 9.4   |
| Arcady 30% Protein Cattle Supplement A  | 30.0    | 33.9        | 1.0   | 1.2        | 8.0   | 5.2   |
| Arcady 30% Protein Cattle Supplement A  | 30.0    | 33.2        | 1.0   | 1.0        | 8.0   | 4.5   |
| Rockland Rabbit Ration  | 17.0    | 18.5        | 1.5   | 2.2        | 16.0  | 12.7  |
| ARCHER PRODUCTS COMPANY, FORT WORTH, TEXAS  |         |             |       |            |       |       |
| ** Archer's Champ Brand Dog and Cat Food<br>High in water                               | 7.5     | <u>6.2</u>  | 2.0   | <u>0.5</u> | 1.3   | 1.0** |
| ARCHER-DANIELS-MIDLAND COMPANY, MINNEAPOLIS, MINNESOTA                                  |         |             |       |            |       |       |
| Adm 44% Solvent Extracted Soybean Oil Meal with<br>2 1/2% Ground Yellow Corn & Lecithin | 44.0    | 47.1        | 1.5   | 1.0        | 7.0   | 4.1   |
| Ground Screenings   | 13.0    | 13.0        | 5.0   | 7.3        | 16.0  | 15.5  |
| ARMOUR AND COMPANY, CHICAGO, ILLINOIS   |         |             |       |            |       |       |
| Armour's 60% Protein Digester Tankage   | 60.0    | 59.6        | 6.0   | 6.0        | 3.0   | 1.8   |
| Dash Armour Dog Food  | 10.5    | 12.8        | 2.5   | 3.1        | 1.0   | 0.6   |
| Dash Armour Dog Food  | 10.5    | 11.2        | 2.5   | 3.3        | 1.0   | 0.5   |
| ** Armour Standard Steamed Bone Meal  | 5.0     | 20.7        | 1.0   | 11.7       | 2.0   | 2.5** |
| Calcium.....  | 23.0    | 23.2        |       |            |       |       |
| Phosphorus.....   | 12.0    | <u>11.0</u> |       |            |       |       |
| GREAT ATLANTIC AND PACIFIC TEA COMPANY, NEW YORK  |         |             |       |            |       |       |
| Daily Dog Food  | 12.0    | 14.3        | 3.0   | 3.7        | 1.5   | 1.0   |
| Daily Cat Food  | 10.0    | 13.5        | 2.5   | 2.7        | 1.5   | 0.4   |
| ATLAS CANNING COMPANY, GLENDALE L. I., NEW YORK   |         |             |       |            |       |       |
| Laddie Boy Dog and Cat Food   | 9.0     | 9.8         | 2.0   | 4.4        | 1.5   | 1.0   |
| AUBREY & COMPANY, LOUISVILLE, KENTUCKY  |         |             |       |            |       |       |
| Red "A" 20% Laying Mash   | 20.0    | 21.5        | 3.0   | 3.4        | 8.0   | 5.8   |
| Red "A" 20% Laying Mash   | 20.0    | 21.1        | 3.0   | 3.3        | 8.0   | 5.8   |
| Red "A" 20% Laying Mash   | 20.0    | 22.2        | 3.0   | 3.2        | 8.0   | 5.6   |
| Red "A" 20% Laying Mash   | 20.0    | 21.4        | 3.0   | 3.2        | 8.0   | 5.6   |
| Red "A" 20% Laying Mash   | 20.0    | 22.1        | 3.0   | 3.6        | 8.0   | 5.8   |
| Red "A" 14% Protein Poultry Fattening Mash  | 14.0    | 14.6        | 3.5   | 4.5        | 6.0   | 5.1   |
| Red "A" Poultry Scratch Feed  | 8.0     | 8.2         | 2.5   | 2.5        | 5.0   | 1.8   |
| Red "A" 32% Protein Dairy Supplement  | 32.0    | 33.5        | 3.0   | 3.6        | 8.5   | 6.3   |
| Red "A" 24% Protein Dairy Feed  | 24.0    | 26.9        | 3.0   | 3.8        | 10.0  | 7.6   |
| Red "A" 24% Protein Dairy Feed  | 24.0    | 27.3        | 3.0   | 3.4        | 10.0  | 6.5   |
| Red "A" 20% Protein Dairy Feed  | 20.0    | 23.6        | 3.0   | 3.7        | 10.0  | 7.1   |
| Red "A" 20% Protein Dairy Feed  | 20.0    | 24.3        | 3.0   | 3.6        | 10.0  | 7.8   |
| Red "A" 20% Protein Dairy Feed  | 20.0    | 21.7        | 3.0   | 2.9        | 10.0  | 6.0   |
| Red "A" 18% Protein Dairy Feed  | 18.0    | 21.3        | 3.0   | 3.8        | 8.0   | 6.4   |
| Red "A" 18% Protein Dairy Feed  | 18.0    | 20.4        | 3.0   | 4.6        | 8.0   | 6.7   |
| Red "A" 18% Protein Dairy Feed  | 18.0    | 21.4        | 3.0   | 3.3        | 8.0   | 6.4   |
| Red "A" 16 1/2% Protein Dairy Feed  | 16.5    | 19.6        | 3.0   | 2.5        | 10.0  | 6.9   |
| Red "A" 14% Cattle Feed   | 14.0    | 17.3        | 3.0   | 3.8        | 7.0   | 5.9   |
| Red "A" Special Brand Horse Feed  | 9.0     | 10.0        | 3.0   | 3.3        | 8.0   | 4.9   |
| ** Red "A" 40% Protein and Mineral Hog Supplement                                       | 40.0    | <u>39.1</u> | 1.0   | 1.2        | 7.0   | 5.8** |
| Red "A" 18% Protein Sow and Pig Feed  | 18.0    | 18.8        | 3.0   | 4.7        | 6.0   | 5.4   |
| Red "A" Hog Fattener  | 14.0    | 13.6        | 3.0   | 4.9        | 8.0   | 4.9   |
| Red "A" Rabbit Pellets (Complete Ration)  | 14.5    | 16.6        | 3.0   | 3.2        | 12.0  | 8.9   |
| Red "A" Dog Food  | 24.0    | 24.8        | 3.0   | 5.2        | 5.5   | 5.4   |
| Soft Wheat Mixed Feed and Screenings  | 16.0    | 15.5        | 3.5   | 3.8        | 9.5   | 7.0   |
| Hominy Meal   | 10.0    | 10.1        | 5.0   | 6.5        | 6.0   | 2.5   |

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

## Regulatory Bulletin No. 103

| MANUFACTURER, BRAND AND<br>REMARKS                                | Protein |       | Fat   |       | Fiber |       |
|---|---------|-------|-------|-------|-------|-------|
|   | Guar.   | Found | Guar. | Found | Guar. | Found |
| AUBREY AND COMPANY (Cont'd)                                       |         |       |       |       |       |       |
| 24% Protein Corn Distillers Dried Grains                          | 24.0    | 27.4  | 8.0   | 9.8   | 16.5  | 12.0  |
| 44% Protein Solvent Soybean Oil Meal                              | 44.0    | 46.8  | .50   | .60   | 7.0   | 5.4   |
| 44% Protein Solvent Soybean Oil Meal                              | 44.0    | 46.1  | .50   | .60   | 7.0   | 5.6   |
| 34% Protein Linseed Oil Meal                                      | 34.0    | 34.4  | 3.5   | 4.1   | 11.0  | 8.8   |
| 41% Protein Solvent Extracted Cottonseed Meal                     | 41.0    | 40.9  | 1.0   | 3.0   | 13.0  | 12.3  |
| 17% Protein Dehydrated Alfalfa Meal                               | 17.0    | 19.9  | 1.5   | 3.2   | 27.0  | 23.5  |
| 13% Alfalfa Meal  | 13.0    | 15.4  | 1.5   | 2.6   | 33.0  | 25.9  |
| AUBURN MILLS, AUBURN, KENTUCKY                                    |         |       |       |       |       |       |
| Mixed Feeds   | 13.0    | 14.0  | 3.5   | 3.7   | 7.5   | 5.4   |
| AVISTON MILLING COMPANY, ST. LOUIS, MISSOURI                      |         |       |       |       |       |       |
| ** Sugar Creek Wheat Gray Shorts and Screenings                   | 16.0    | 15.2  | 3.5   | 4.3   | 6.0   | 4.7** |
| BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY                             |         |       |       |       |       |       |
| ** Harrison's Hen Scratch   | 9.0     | 8.4   | 2.0   | 2.8   | 3.0   | 1.7** |
| Harrison's Hen Scratch  | 9.0     | 8.9   | 2.0   | 2.1   | 3.0   | 1.8   |
| ** Harrison's Nat-Ur-Way Brand 24% Protein Dairy Feed             | 24.0    | 25.7  | 3.0   | 2.1   | 12.5  | 9.2** |
| Harrison's Nat-Ur-Way 20% Sow & Pig Feed                          | 20.0    | 20.7  | 3.0   | 4.8   | 6.0   | 5.7   |
| ** Hominy Meal  | 9.0     | 8.4   | 6.0   | 6.0   | 8.0   | 7.7** |
| BALLARD AND BALLARD COMPANY, LOUISVILLE, KENTUCKY                 |         |       |       |       |       |       |
| Insurance Scratch Grains  | 10.0    | 8.6   | 3.0   | 2.8   | 4.0   | 1.9   |
| Wheat Brown Shorts with Screenings                                | 15.0    | 16.9  | 3.5   | 3.8   | 7.0   | 4.1   |
| BARDSTOWN MILLS, BARDSTOWN, KENTUCKY                              |         |       |       |       |       |       |
| Blue Ribbon 20% Protein Laying Mash                               | 20.0    | 21.1  | 2.5   | 3.6   | 8.0   | 6.1   |
| Blue Ribbon 20% Protein Dairy Feed                                | 20.0    | 23.6  | 3.0   | 5.5   | 9.0   | 7.2   |
| Blue Ribbon 40% Protein Hog Supplement                            | 40.0    | 40.4  | 2.5   | 2.7   | 8.0   | 6.3   |
| Blue Ribbon 18% Protein Pig and Sow Ration                        | 18.0    | 21.8  | 3.0   | 5.1   | 6.0   | 6.0   |
| BAUGHMAN MILLING COMPANY, STANFORD, KENTUCKY                      |         |       |       |       |       |       |
| ** Banner Mixed Feed  | 11.0    | 11.6  | 3.5   | 4.3   | 11.0  | 6.3** |
| Contained unground weed seeds                                     |         |       |       |       |       |       |
| Banner Mixed Feed   | 11.0    | 11.7  | 3.5   | 5.4   | 11.0  | 9.0   |
| ** Hominy Feed  | 10.0    | 9.7   | 5.0   | 5.6   | 6.0   | 7.4** |
| Contained corn cob  |         |       |       |       |       |       |
| BEAVER DAM MILLING COMPANY, BEAVER DAM, KENTUCKY                  |         |       |       |       |       |       |
| Eureka 20% Laying Mash  | 20.0    | 20.6  | 3.0   | 4.5   | 6.5   | 4.7   |
| Eureka 20% Laying Mash  | 20.0    | 20.5  | 3.0   | 3.2   | 6.5   | 5.2   |
| ** Snow Drift 19% Protein Laying Mash                             | 19.0    | 18.3  | 3.0   | 4.1   | 7.5   | 4.8** |
| Snow Drift 19% Protein Laying Mash                                | 19.0    | 20.0  | 3.0   | 3.4   | 7.5   | 4.8   |
| Eureka 32% Dairy Supplement                                       | 32.0    | 33.4  | 3.0   | 3.4   | 10.0  | 6.4   |
| Eureka 32% Dairy Supplement                                       | 32.0    | 34.7  | 3.0   | 4.0   | 10.0  | 6.7   |
| Eureka 24% Dairy Feed   | 24.0    | 25.4  | 3.0   | 4.3   | 10.0  | 7.5   |
| Eureka 24% Dairy Feed   | 24.0    | 25.4  | 3.0   | 4.5   | 10.0  | 6.9   |
| Eureka 24% Dairy Feed   | 24.0    | 26.7  | 3.0   | 4.0   | 10.0  | 5.7   |
| Eureka 16% Dairy Feed   | 16.0    | 17.5  | 3.0   | 3.4   | 15.0  | 6.5   |
| Eureka 16% Dairy Feed   | 16.0    | 19.5  | 3.0   | 3.1   | 15.0  | 8.0   |
| Eureka 16% Dairy Feed   | 16.0    | 17.6  | 3.0   | 4.0   | 15.0  | 8.3   |
| 16% Sweet Miss Dairy Feed   | 16.0    | 17.5  | 2.5   | 3.3   | 15.0  | 7.1   |
| Eureka 12 1/2% Dry and Freshener Feed                             | 12.5    | 14.6  | 3.0   | 3.8   | 10.0  | 5.2   |
| Eureka 90% Grain Horse & Mule Feed                                | 9.0     | 10.1  | 2.0   | 3.4   | 15.0  | 6.8   |
| Eureka 40% Protein Hog Supplement                                 | 40.0    | 39.6  | 3.5   | 4.0   | 6.0   | 6.1   |
| Eureka 16% Protein Pig and Hog Ration                             | 16.0    | 17.5  | 3.0   | 3.8   | 6.0   | 4.3   |
| Eureka 16% Protein Pig and Hog Ration                             | 16.0    | 18.0  | 3.0   | 3.5   | 6.0   | 3.6   |
| BI COUNTY FARM BUREAU COOPERATIVE ASSOCIATION, ERLANGER, KENTUCKY |         |       |       |       |       |       |
| Co-op Milker Brand 24% Dairy Feed                                 | 24.0    | 26.2  | 3.0   | 2.9   | 9.0   | 5.6   |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                               | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| <b>BIG FOUR MILLS, COVINGTON, KENTUCKY</b>                       |         |       |       |       |       |        |
| Big Four 20% Protein Laying Mash                                 | 20.0    | 22.0  | 3.0   | 3.7   | 7.0   | 6.3    |
| Kentucky Hi Lo 24% Dairy Feed                                    | 24.0    | 24.7  | 2.5   | 2.6   | 12.0  | 10.9   |
| Kentucky Hi Lo 24% Dairy Feed                                    | 24.0    | 26.6  | 2.5   | 2.8   | 12.0  | 10.4   |
| ** O.K. Brand 24% Protein Dairy Feed                             | 24.0    | 22.7  | 2.5   | 5.0   | 15.0  | 10.3** |
| O.K. Brand 24% Protein Dairy Feed                                | 24.0    | 24.1  | 2.5   | 3.8   | 15.0  | 12.4   |
| Big Four 20% Protein Dairy Feed                                  | 20.0    | 22.2  | 3.0   | 3.1   | 12.0  | 10.1   |
| Big Four 20% Protein Dairy Feed                                  | 20.0    | 21.3  | 3.0   | 2.5   | 12.0  | 10.1   |
| ** Big Four 20% Protein Hog Feed                                 | 20.0    | 18.6  | 3.0   | 3.8   | 8.0   | 6.0**  |
| <b>BILL AND GUY MILLING COMPANY, FAUBUSH, KENTUCKY</b>           |         |       |       |       |       |        |
| Screened Cracked Corn  | 8.0     | 9.6   | 3.5   | 3.5   | 3.0   | 1.5    |
| <b>B. &amp; L. MILLING COMPANY, MEXICO, INDIANA</b>              |         |       |       |       |       |        |
| ** Hominy Feed   | 10.0    | 9.4   | 6.0   | 5.8   | 6.0   | 4.2**  |
| <b>BLAIR MILLING COMPANY, ATCHISON, KANSAS</b>                   |         |       |       |       |       |        |
| Wheat Gray Shorts with Screenings                                | 16.0    | 15.7  | 4.0   | 3.9   | 6.0   | 5.3    |
| <b>BLUE BIRD FEED MILL, SOMERSET, KENTUCKY</b>                   |         |       |       |       |       |        |
| Blue Bird Brand 20% Protein Laying Mash                          | 20.0    | 21.2  | 3.5   | 4.8   | 7.0   | 5.2    |
| <b>BREMCO ALFALFA MILLS, INC. NEW BREMEN, OHIO</b>               |         |       |       |       |       |        |
| Bremco Alfalfa Meal  | 13.0    | 13.5  | 1.5   | 1.9   | 33.0  | 30.0   |
| <b>BRODE CORPORATION, MEMPHIS, TENNESSEE</b>                     |         |       |       |       |       |        |
| Owl Brand 41% Protein Cottonseed Meal                            | 41.0    | 41.6  | 5.0   | 5.6   | 12.0  | 10.3   |
| Owl Brand 41% Protein Cottonseed Meal                            | 41.0    | 40.7  | 5.0   | 4.9   | 12.0  | 10.8   |
| ** Owl Brand 41% Protein Cottonseed Meal                         | 41.0    | 38.9  | 5.0   | 5.5   | 12.0  | 12.0** |
| Very much below guarantee in protein                             |         |       |       |       |       |        |
| <b>BRODERSON BROTHERS, FRANKLIN, KENTUCKY</b>                    |         |       |       |       |       |        |
| ** General Purpose Stock and Poultry Feed                        | 16.0    | 15.4  | 3.0   | 4.1   | 8.0   | 4.0**  |
| <b>BROOM'S MILL, SOUTH CARROLLTON, KENTUCKY</b>                  |         |       |       |       |       |        |
| ** Crushed Corn, Cob and Shuck                                   | 7.75    | 7.20  | 3.25  | 3.30  | 7.5   | 5.3**  |
| <b>BROWN-FORMAN DISTILLERS CORPORATION, LOUISVILLE, KENTUCKY</b> |         |       |       |       |       |        |
| Brown-Forman Super Sol Brand Corn Distillers<br>Dried Solubles   | 24.0    | 25.6  | 8.0   | 9.2   | 4.0   | 1.2    |
| <b>BROWDER MILLING COMPANY, FULTON, KENTUCKY</b>                 |         |       |       |       |       |        |
| Biddie's Choice Laying Mash                                      | 20.0    | 20.8  | 2.5   | 4.5   | 8.0   | 5.6    |
| ** 16% Sweet Dairy Feed  | 16.0    | 14.8  | 3.0   | 4.8   | 12.0  | 9.1**  |
| ** Beats All Brand Horse and Mule Feed                           | 10.0    | 9.3   | 2.0   | 3.7   | 15.0  | 3.7**  |
| <b>BUCKEYE COTTON OIL COMPANY, CINCINNATI, OHIO</b>              |         |       |       |       |       |        |
| ** Buckeye 41% Protein Solvent Extracted<br>Cottonseed Meal      | 41.0    | 40.4  | 1.0   | 1.7   | 13.0  | 12.1** |
| Buckeye 41% Protein Solvent Extracted<br>Cottonseed Meal         | 41.0    | 41.2  | 1.0   | 2.6   | 13.0  | 12.0   |
| Buckeye 44% Protein Solvent Extracted<br>Soybean Oil Meal        | 44.0    | 46.1  | .50   | .70   | 7.0   | 6.2    |
| ** Buckeye 36% Protein Solvent Extracted<br>Cottonseed Meal      | 36.0    | 34.3  | 1.0   | 3.6   | 16.0  | 18.6** |
| Very much below guarantee in protein                             |         |       |       |       |       |        |
| Very much above guarantee in fiber                               |         |       |       |       |       |        |
| Misbranded   |         |       |       |       |       |        |
| <b>BUHNER AND COMPANY, INC., LOUISVILLE, KENTUCKY</b>            |         |       |       |       |       |        |
| Happy Farmer 18% Starter & Grower                                | 18.0    | 18.1  | 2.7   | 4.1   | 7.0   | 4.8    |
| Happy Farmer 20% Protein Laying Mash                             | 20.0    | 21.3  | 2.5   | 4.4   | 8.0   | 6.5    |
| Happy Farmer 20% Protein Laying Mash                             | 20.0    | 20.2  | 2.5   | 4.0   | 8.0   | 6.2    |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                                   | Protein |       | Fat   |       | Fiber |       |
|--|---------|-------|-------|-------|-------|-------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found |
| BUHNER AND COMPANY, INC., LOUISVILLE, KENTUCKY (Cont'd)              |         |       |       |       |       |       |
| ** Happy Farmer Brand Scratch Feed                                   | 9.0     | 8.4   | 3.0   | 3.3   | 5.0   | 1.6** |
| ** Happy Farmer 34% Protein and Mineral<br>Poultry Supplement        | 34.0    | 38.6  | 2.5   | 1.7   | 7.5   | 6.2** |
| Magnolia 24% Dairy Feed  | 24.0    | 24.1  | 2.5   | 3.1   | 12.0  | 12.2  |
| Farm Joy 24% Protein Dairy Feed                                      | 24.0    | 24.3  | 2.5   | 2.8   | 10.0  | 8.4   |
| Magnolia 20% Dairy Feed  | 20.0    | 21.6  | 2.5   | 2.8   | 12.0  | 10.5  |
| Magnolia Sweet 16% Dairy Feed  | 16.0    | 16.5  | 2.5   | 3.1   | 15.0  | 10.2  |
| Farm Joy 16% Dairy Feed  | 16.0    | 18.7  | 2.5   | 3.9   | 10.0  | 9.0   |
| ** Farm Joy 40% Hog Supplement<br>High in salt                       | 40.0    | 41.2  | 1.5   | 2.7   | 7.0   | 4.4** |
| Happy Farmer 16% Rabbit Pellets                                      | 16.0    | 17.7  | 2.5   | 4.0   | 14.0  | 13.4  |
| Happy Farmer 25% Dog Fodd  | 25.0    | 25.4  | 3.0   | 5.4   | 5.0   | 3.4   |
| Happy Farmer 25% Dog Food  | 25.0    | 26.8  | 3.0   | 5.3   | 5.0   | 3.8   |
| Happy Farmer Wheat Gray Shorts & Screenings                          | 14.0    | 17.8  | 4.0   | 4.5   | 6.0   | 5.7   |
| Happy Farmer Hominy Meal   | 10.0    | 10.2  | 5.0   | 4.6   | 6.0   | 4.3   |
| ** Happy Farmer Hominy Meal<br>Contained corn screenings             | 10.0    | 11.0  | 5.0   | 5.7   | 6.0   | 5.0** |
| BUNDY BROTHERS MILL COMPANY, MEDORA, INDIANA                         |         |       |       |       |       |       |
| Bundy's Wheat Gray Middlings with Screenings                         | 16.0    | 17.3  | 4.0   | 4.8   | 6.0   | 6.0   |
| Wheat Mixed Feed & Screenings  | 15.0    | 15.6  | 3.5   | 4.2   | 8.0   | 8.2   |
| Hominy Feed  | 10.0    | 10.7  | 7.0   | 9.8   | 5.5   | 3.6   |
| BURNETTE'S FEED MILL, LEITCHFIELD, KENTUCKY                          |         |       |       |       |       |       |
| Marketop 20% Protein Laying Mash                                     | 20.0    | 21.1  | 2.5   | 4.3   | 8.0   | 7.3   |
| BUSH BROTHERS AND COMPANY, CLINTON, TENNESSEE                        |         |       |       |       |       |       |
| Fido Brand Dog Food  | 10.0    | 11.1  | 5.0   | 2.4   | 1.5   | 1.0   |
| Tony Dog and Cat Food  | 10.0    | 10.3  | 2.0   | 2.4   | 1.5   | .90   |
| Tony Dog and Cat Food  | 10.0    | 11.5  | 2.0   | 2.6   | 1.5   | 1.1   |
| Tony Dog and Cat Food  | 10.0    | 12.4  | 2.0   | 2.6   | 1.5   | 1.0   |
| BUTT'S MILLING COMPANY, FULTON, KENTUCKY                             |         |       |       |       |       |       |
| Butt's Egg Mash  | 20.0    | 22.3  | 3.0   | 3.2   | 8.0   | 5.4   |
| Cracked Corn   | 9.0     | 8.7   | 4.0   | 3.5   | 1.9   | 1.6   |
| CADIZ MILLING COMPANY, CADIZ, KENTUCKY                               |         |       |       |       |       |       |
| Sunbeam 20% Laying Mash  | 20.0    | 21.1  | 3.5   | 4.4   | 7.0   | 5.8   |
| ** Sunbeam 20% Pig and Sow Ration                                    | 20.0    | 18.8  | 3.5   | 4.5   | 6.0   | 5.7** |
| Sunbeam 20% Pig and Sow Ration                                       | 20.0    | 20.2  | 3.5   | 5.0   | 6.0   | 5.7   |
| ** Cracked Corn  | 8.0     | 8.3   | 3.5   | 2.9   | 3.0   | 2.1** |
| Cracked Corn   | 8.0     | 8.5   | 3.5   | 3.4   | 3.0   | 1.6   |
| CALO DOG FOOD COMPANY, OAKLAND, CALIFORNIA                           |         |       |       |       |       |       |
| Calo Cat Food  | 10.0    | 10.8  | 2.0   | 4.3   | 1.0   | .70   |
| CAMPBELL'S FEED MILL, KEVIL, KENTUCKY                                |         |       |       |       |       |       |
| ** Campbell's 16% Dairy Feed   | 16.0    | 14.6  | 3.0   | 2.4   | 10.0  | 9.5** |
| C. W. CANN, CLARKSON, KENTUCKY                                       |         |       |       |       |       |       |
| Cann's 20% Laying Mash   | 20.0    | 20.2  | 3.0   | 4.0   | 8.0   | 7.1   |
| CANEVILLE ROLLER MILL, CANEVILLE, KENTUCKY                           |         |       |       |       |       |       |
| Kentucky Farm Brand 16% Dairy Feed                                   | 16.0    | 16.4  | 3.0   | 4.2   | 15.0  | 7.9   |
| Kentucky Farm 20% Pig and Sow Ration                                 | 20.0    | 21.1  | 3.0   | 4.6   | 6.0   | 5.7   |
| CARDINAL FOOD PRODUCTS, INC., ST. LOUIS, MISSOURI                    |         |       |       |       |       |       |
| Pointer Dog Food   | 8.0     | 8.3   | 2.0   | 1.9   | 1.5   | 1.3   |
| CENTRAL SOYA COMPANY, INC., FORT WAYNE, INDIANA                      |         |       |       |       |       |       |
| Central Sweet Solvent Extracted Soybean Oil<br>Meal with 3% Molasses | 44.0    | 45.3  | .45   | 1.9   | 7.0   | 6.6   |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS               | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| CITIZENS MILLING COMPANY, SOMERSET, KENTUCKY     |         |       |       |       |       |        |
| 16% Cumberland Mixed Feed                        | 16.0    | 16.3  | 2.5   | 2.7   | 10.0  | 8.0    |
| ** Scratch Grains                                | 9.0     | 10.5  | 3.0   | 2.9   | 3.5   | 2.2**  |
| Contained unground weed seeds                    |         |       |       |       |       |        |
| Scratch Grains                                   | 9.0     | 8.8   | 3.0   | 3.1   | 3.5   | 2.3    |
| CLARKSON MILLING COMPANY, CLARKSON, KENTUCKY     |         |       |       |       |       |        |
| Fiderlity Brand 20% Protein Laying Mash          | 20.0    | 21.4  | 3.5   | 3.8   | 7.0   | 5.6    |
| CLIFTY FALLS MILLS, MADISON, KENTUCKY            |         |       |       |       |       |        |
| Clifty Falls 20% Protein Egg Mash                | 20.0    | 20.8  | 3.5   | 4.7   | 7.0   | 5.6    |
| Clifty Falls 20% Protein Egg Mash                | 20.0    | 20.2  | 3.5   | 5.2   | 7.0   | 5.9    |
| Clifty Falls 20% Protein Egg Mash                | 20.0    | 20.8  | 3.5   | 4.3   | 7.0   | 5.2    |
| Clifty Falls Scratch Feed                        | 9.0     | 9.1   | 3.0   | 3.0   | 5.0   | 2.3    |
| Clifty Falls 24% Protein Dairy Feed              | 24.0    | 27.2  | 3.0   | 4.5   | 10.0  | 6.6    |
| ** Clifty Falls 24% Protein Dairy Feed           | 24.0    | 23.9  | 3.0   | 4.8   | 10.0  | 8.0**  |
| Contained ground ear corn with shucks            |         |       |       |       |       |        |
| Clifty Falls 24% Protein Cow Feed                | 24.0    | 25.2  | 2.5   | 5.2   | 10.0  | 6.7    |
| Clifty Falls 20% Protein Dairy Feed              | 20.0    | 21.2  | 3.0   | 4.5   | 12.0  | 7.7    |
| Clifty Falls 20% Protein Dairy Feed              | 20.0    | 21.7  | 3.0   | 5.4   | 12.0  | 7.1    |
| * Clifty Falls 20% Protein Dairy Feed            | 20.0    | 19.6  | 3.0   | 4.0   | 12.0  | 6.8**  |
| Contained corn cob                               |         |       |       |       |       |        |
| Clifty Falls Pusher Brand 16% Protein Dairy Feed | 16.0    | 16.2  | 2.5   | 3.6   | 10.0  | 6.2    |
| Clifty Falls 14 1/2% Protein Hog Fattener        | 14.5    | 14.8  | 3.5   | 4.0   | 6.0   | 4.1    |
| Clifty Falls Horse & Mule Feed                   | 10.0    | 9.7   | 2.5   | 3.5   | 10.0  | 3.0    |
| ** Clifty Falls Cracked Corn                     | 9.0     | 8.1   | 3.0   | 3.5   | 3.5   | 1.5**  |
| Crushed Ear Corn and Molasses                    | 7.0     | 8.7   | 2.5   | 2.6   | 10.0  | 8.1    |
| CLIMAX ROLLER MILLS, SHELBYVILLE, KENTUCKY       |         |       |       |       |       |        |
| Climax Scratch Feed                              | 9.0     | 9.0   | 2.5   | 2.9   | 3.0   | 1.7    |
| CLINTON MILLING COMPANY, CLINTON, KENTUCKY       |         |       |       |       |       |        |
| None Better Brand 18% Laying Mash                | 18.0    | 18.9  | 4.0   | 4.9   | 6.0   | 5.7    |
| * Sun Ray 24% Protein Dairy Feed                 | 24.0    | 25.3  | 3.0   | 4.1   | 8.0   | 12.0** |
| Very much above guarantee in fiber               |         |       |       |       |       |        |
| Misbranded                                       |         |       |       |       |       |        |
| Climco 16 1/2% Protein Hog and Pig Feed          | 16.5    | 16.1  | 4.0   | 5.9   | 6.0   | 5.3    |
| COAST FISHERIES, WILMINGTON, CALIFORNIA          |         |       |       |       |       |        |
| Puss'n Boots Cat Food                            | 12.0    | 12.8  | 3.0   | 7.3   | 1.0   | 1.0    |
| H. C. COLE MILLING COMPANY, CHESTER, ILLINOIS    |         |       |       |       |       |        |
| Omega Wheat Mixed Feed with Screenings           | 15.5    | 15.8  | 4.0   | 5.4   | 8.5   | 8.7    |
| CLELL COLEMAN & SONS, BURGIN, KENTUCKY           |         |       |       |       |       |        |
| Coleman's Scratch Feed                           | 9.0     | 9.1   | 3.0   | 2.6   | 5.0   | 2.4    |
| Wheat Mixed Feed                                 | 13.0    | 15.8  | 3.5   | 4.5   | 9.0   | 7.2    |
| Coleman's Favorite Feed                          | 15.0    | 15.8  | 3.5   | 4.2   | 8.5   | 7.0    |
| Coleman's Favorite Feed                          | 15.0    | 15.2  | 3.5   | 3.5   | 8.5   | 6.3    |
| COLUMBUS CANNING COMPANY, COLUMBUS, MISSISSIPPI  |         |       |       |       |       |        |
| Jet Dog and Cat Food                             | 13.0    | 16.5  | 2.0   | 3.9   | 1.0   | 1.1    |
| COMMUNITY MILLING COMPANY, IRVINGTON, KENTUCKY   |         |       |       |       |       |        |
| ** Our Pride 24% Dairy Feed                      | 24.0    | 25.7  | 3.0   | 2.0   | 10.0  | 5.3**  |
| ** Our Pride 20% Dairy Feed                      | 20.0    | 21.1  | 3.0   | 1.6   | 15.0  | 9.4**  |
| ** Our Pride 16% Dairy Feed                      | 16.0    | 16.7  | 3.0   | 2.3   | 15.0  | 12.7** |
| Our Pride 18% Protein Pig and Sow Feed           | 18.0    | 22.3  | 3.0   | 2.5   | 6.0   | 5.4    |
| Soft Wheat Feed with Screenings                  | 14.0    | 14.8  | 3.0   | 3.3   | 9.0   | 6.0    |
| COOPERATIVE MILLS, INC., CINCINNATI, OHIO        |         |       |       |       |       |        |
| Arsanilic Acid in Broiler Maker Finisher         | 17.0    | 17.8  | 3.0   | 4.2   | 5.0   | 4.2    |
| Super Laying Mash                                | 20.0    | 21.9  | 3.0   | 3.3   | 8.0   | 5.3    |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                        | Protein |       | Fat   |       | Fiber |        |
|---|---------|-------|-------|-------|-------|--------|
|   | Guar.   | Found | Guar. | Found | Guar. | Found  |
| COOPERATIVE MILLS, INC., CINCINNATI, OHIO (Cont'd)        |         |       |       |       |       |        |
| Super Laying Mash   | 20.0    | 21.7  | 3.0   | 3.5   | 8.0   | 5.5    |
| Egg Maker   | 20.0    | 21.1  | 3.0   | 3.9   | 8.0   | 5.7    |
| Milk Maker Brand 32% Dairy Supplement                     | 32.0    | 35.5  | 3.0   | 3.4   | 10.0  | 5.5    |
| Milk Maker Brand 24% Dairy Feed                           | 24.0    | 27.8  | 3.5   | 3.8   | 10.0  | 7.2    |
| ** Milk Maker Brand 24% Dairy Feed                        | 24.0    | 28.1  | 3.5   | 2.9   | 10.0  | 5.9**  |
| Milk Maker Brand 24% Dairy Feed                           | 24.0    | 26.1  | 3.5   | 4.0   | 10.0  | 7.2    |
| Milk Maker Brand 20% Dairy Feed                           | 20.0    | 22.7  | 3.5   | 3.5   | 10.0  | 7.4    |
| 20% Drouth Special Dairy Feed                             | 20.0    | 23.7  | 3.0   | 4.2   | 12.0  | 7.4    |
| Milk Maker Brand 16% Dairy Feed                           | 16.0    | 19.1  | 3.5   | 4.1   | 10.0  | 7.3    |
| Milk Maker Brand 16% Dairy Feed                           | 16.0    | 18.6  | 3.5   | 4.3   | 10.0  | 7.9    |
| Special Brand 16% Dairy Feed                              | 16.0    | 16.8  | 3.0   | 3.0   | 15.0  | 14.0   |
| Special Brand 16% Dairy Feed                              | 16.0    | 20.4  | 3.0   | 3.1   | 15.0  | 12.4   |
| Special Brand 16% Dairy Feed                              | 16.0    | 21.5  | 3.0   | 3.6   | 15.0  | 10.0   |
| Fitting Feed  | 13.0    | 14.6  | 3.5   | 4.1   | 10.0  | 6.6    |
| Fitting Feed  | 13.0    | 15.6  | 3.5   | 4.6   | 10.0  | 7.4    |
| ** Beef Supplement  | 30.0    | 31.5  | 2.0   | 1.4   | 11.0  | 11.3** |
| Beef Supplement   | 30.0    | 34.1  | 2.0   | 1.5   | 11.0  | 10.7   |
| Beef Supplement   | 30.0    | 33.8  | 2.0   | 3.5   | 11.0  | 6.1    |
| Beef Supplement   | 30.0    | 29.7  | 2.0   | 3.2   | 11.0  | 10.3   |
| Sweet Stock Feed  | 9.0     | 12.6  | 2.5   | 3.6   | 9.0   | 6.0    |
| Sweet Stock Feed  | 9.0     | 12.6  | 2.5   | 3.3   | 9.0   | 5.6    |
| 18% Protein Calf Starter                                  | 18.0    | 19.4  | 4.0   | 4.0   | 8.0   | 7.0    |
| 18% Protein Calf Starter                                  | 18.0    | 20.8  | 3.0   | 3.9   | 8.0   | 6.9    |
| 18% Protein Calf Starter                                  | 18.0    | 18.7  | 4.0   | 4.0   | 8.0   | 6.8    |
| Calf Pellets  | 25.0    | 26.5  | 3.0   | 2.8   | 7.0   | 5.1    |
| 40% Pork Maker (Hogs on Pasture)                          | 40.0    | 40.8  | 1.5   | 1.4   | 8.5   | 4.3    |
| 40% Pork Maker (Hogs on Pasture)                          | 40.0    | 42.9  | 1.5   | 2.0   | 8.5   | 4.8    |
| 35% Sow and Pig Supplement (Hogs not on pasture)          | 35.0    | 35.3  | 1.3   | 2.1   | 8.5   | 7.0    |
| 20% Pig and Sow Feed                                      | 20.0    | 21.4  | 3.5   | 3.8   | 6.0   | 4.7    |
| ** 15% Pork Maker   | 15.0    | 14.4  | 3.5   | 3.7   | 8.0   | 4.3**  |
| 15% Pork Maker  | 15.0    | 15.2  | 3.5   | 4.6   | 8.0   | 5.4    |
| 24% Protein Dog Feed                                      | 24.0    | 26.3  | 4.0   | 5.1   | 5.0   | 3.8    |
| 24% Protein Dog Feed                                      | 24.0    | 25.1  | 4.0   | 5.1   | 5.0   | 3.7    |
| 24% Protein Dog Feed                                      | 24.0    | 26.2  | 4.0   | 5.0   | 5.0   | 3.4    |
| Wheat Standard Middlings with Screenings                  | 15.0    | 15.7  | 3.0   | 4.5   | 9.5   | 6.9    |
| Hominy Feed   | 9.0     | 10.1  | 5.0   | 5.5   | 6.0   | 4.5    |
| COMMANDER-LARABEE MILLING COMPANY, MINNEAPOLIS, MINNESOTA |         |       |       |       |       |        |
| Sunfed Winter Wheat Gray Shorts and Screenings            | 16.0    | 16.6  | 3.5   | 4.7   | 6.0   | 6.3    |
| CRESCENT ROLLER MILLS, TAYLORSVILLE, KENTUCKY             |         |       |       |       |       |        |
| ** Crescent 24% Dairy Feed                                | 24.0    | 15.2  | 3.0   | 2.7   | 10.0  | 4.3**  |
| Very much below guarantee in protein                      |         |       |       |       |       |        |
| Misbranded  |         |       |       |       |       |        |
| Crescent Stock Feed                                       | 14.0    | 13.8  | 4.5   | 4.7   | 6.0   | 4.1    |
| CUDAHY PACKING COMPANY, OMAHA, NEBRASKA                   |         |       |       |       |       |        |
| Tally-Ho Dog Food   | 10.0    | 10.9  | 2.5   | 2.1   | 1.5   | .40    |
| CUSTOM FEED MILLS, MORGANFIELD, KENTUCKY                  |         |       |       |       |       |        |
| Custom Maid 18% Growing Mash                              | 18.0    | 18.3  | 3.5   | 3.5   | 7.0   | 5.0    |
| Custom Maid 35% Hog Supplement                            | 35.0    | 38.1  | 3.0   | 4.0   | 10.0  | 9.3    |
| Custom Maid Pig and Sow Feed                              | 18.0    | 19.2  | 3.5   | 3.7   | 6.0   | 4.2    |
| DARLING AND COMPANY, LOCKLAND STATION, CINCINNATI, OHIO   |         |       |       |       |       |        |
| Darling's 60% Protein Disgester Tankage                   | 60.0    | 63.7  | 3.0   | 3.7   | 3.0   | 1.5    |
| Darling's Special Brand Steamed Bone Meal                 | 5.0     | 15.5  | .50   | 3.6   | 3.0   | 3.4    |
| DEARBORN MILLS, AURORA, INDIANA                           |         |       |       |       |       |        |
| Dearborn Sweet 24% Dairy                                  | 24.0    | 25.1  | 2.5   | 3.4   | 12.5  | 8.3    |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                             | Protein |             | Fat   |       | Fiber |              |
|--|---------|-------------|-------|-------|-------|--------------|
|  | Guar.   | Found       | Guar. | Found | Guar. | Found        |
| DENVER FLOUR MILLS COMPANY, DENVER, COLORADO                   |         |             |       |       |       |              |
| ** Wheat Gray Shorts with Screenings                           | 16.0    | 17.7        | 4.0   | 4.7   | 6.0   | 7.4**        |
| ** Wheat Gray Shorts with Screenings                           | 16.0    | 16.3        | 4.0   | 4.3   | 6.0   | <u>6.7**</u> |
| DERWOOD MILLS, DERWOOD, MARYLAND                               |         |             |       |       |       |              |
| Derwood Horse Crunch   | 15.0    | 15.1        | 4.0   | 3.8   | 10.0  | 9.7          |
| DIXIE MILLS COMPANY, EAST ST. LOUIS, ILLINOIS                  |         |             |       |       |       |              |
| Dixie Laying Mash  | 20.0    | 21.0        | 3.0   | 3.3   | 6.5   | 3.6          |
| Dixie 15% Hog Fater  | 15.0    | 18.8        | 3.5   | 5.1   | 7.0   | 6.1          |
| DIXIE-PORTLAND FLOUR COMPANY, CHATTANOOGA, TENNESSEE           |         |             |       |       |       |              |
| ** Blue Cow Brand 16% Dairy Feed<br>Contained mixed screenings | 16.0    | 16.3        | 3.5   | 4.3   | 15.0  | 7.7**        |
| DOYLE PACKING COMPANY, MOMENCE, ILLINOIS                       |         |             |       |       |       |              |
| ** Strongheart Dog Feed  | 10.0    | <u>9.1</u>  | 2.0   | 2.4   | 1.0   | 0.8**        |
| DRACKETT COMPANY, CINCINNATI 32, OHIO                          |         |             |       |       |       |              |
| Super Charge Dog Candy   | 9.0     | 12.0        | 9.0   | 9.8   | 2.0   | 0.8          |
| DUNCAN-HUGHES & COMPANY, LAGRANGE, KENTUCKY                    |         |             |       |       |       |              |
| ** Dairymaid 24% Protein Dairy Feed                            | 24.0    | <u>22.6</u> | 3.5   | 3.7   | 11.0  | 9.7**        |
| Dairymaid 24% Protein Dairy Feed                               | 24.0    | <u>24.8</u> | 3.5   | 4.1   | 11.0  | 8.0          |
| DYERSBURG OIL MILL, DYERSBURG, TENNESSEE                       |         |             |       |       |       |              |
| ** 41% Protein Cottonseed Meal                                 | 41.0    | <u>40.2</u> | 6.0   | 6.2   | 12.0  | 11.4**       |
| 41% Protein Cottonseed Meal                                    | 41.0    | <u>41.5</u> | 6.0   | 6.0   | 12.0  | 10.3         |
| 41% Protein Cottonseed Meal                                    | 41.0    | <u>41.5</u> | 6.0   | 6.2   | 12.0  | 10.6         |
| EARLY AND DANIEL COMPANY, CINCINNATI, OHIO                     |         |             |       |       |       |              |
| Nitrofurazone in Tuxedo Starter Grower and<br>Developer        | 17.0    | 17.0        | 3.0   | 4.8   | 7.0   | 6.0          |
| Nitrofurazone in Tuxedo Broiler Mash                           | 20.0    | 20.7        | 3.0   | 4.6   | 5.5   | 5.0          |
| Nitrofurazone in Tuxedo Broiler Mash                           | 20.0    | 20.7        | 3.0   | 3.4   | 5.5   | 5.1          |
| Tuxedo Breeder Mash  | 20.0    | 21.0        | 3.0   | 4.8   | 7.5   | 6.1          |
| Tuxedo Special Brand Egg Mash                                  | 20.0    | 21.7        | 3.0   | 4.7   | 8.0   | 7.9          |
| Tuxedo Special Brand Egg Mash                                  | 20.0    | 21.6        | 3.0   | 4.6   | 8.0   | 7.0          |
| Tuxedo 33% Dairy Supplement                                    | 33.0    | 34.1        | 2.5   | 2.4   | 8.5   | 6.6          |
| Tuxedo 33% Dairy Supplement                                    | 33.0    | 33.2        | 2.5   | 2.6   | 8.5   | 6.0          |
| Tuxedo 33% Dairy Supplement                                    | 33.0    | 36.9        | 2.5   | 2.1   | 8.5   | 6.6          |
| Tuxedo 24% Dairy Feed  | 24.0    | 26.2        | 3.0   | 3.4   | 9.0   | 7.2          |
| Tuxedo 24% Dairy Feed  | 24.0    | 25.7        | 3.0   | 3.0   | 9.0   | 6.3          |
| ** Tuxedo Special Brand 24% Dairy Feed                         | 24.0    | 24.8        | 3.0   | 2.3   | 12.0  | 10.2**       |
| Edan 24% Dairy Feed  | 24.0    | 24.5        | 3.0   | 2.7   | 12.0  | 12.2         |
| Tuxedo 20% Dairy Feed  | 20.0    | 24.1        | 3.0   | 3.2   | 9.5   | 6.5          |
| Tuxedo 20% Dairy Feed  | 20.0    | 22.6        | 3.0   | 3.5   | 9.5   | 7.2          |
| Tuxedo 16% Dairy Feed  | 16.0    | 17.6        | 3.0   | 3.3   | 15.0  | 11.8         |
| Tuxedo Goat Pellets  | 18.0    | 20.1        | 3.0   | 4.5   | 10.0  | 7.3          |
| Tuxedo Chop (for Horses, Mules and for Fitting<br>Livestock)   | 9.0     | 10.3        | 3.0   | 3.5   | 10.0  | 7.6          |
| Tuxedo Big Forty Hog Supplement                                | 40.0    | 41.3        | 2.5   | 2.8   | 7.0   | 5.8          |
| Tuxedo Big Forty Hog Supplement                                | 40.0    | 42.2        | 2.5   | 3.1   | 7.0   | 6.0          |
| Tuxedo 19% Hog Ration (Fattening)                              | 19.0    | 20.7        | 3.0   | 4.0   | 8.0   | 7.9          |
| Tuxedo Porkmaker   | 14.0    | 16.3        | 3.0   | 5.5   | 6.0   | 5.0          |
| Eadan Porkmaker  | 14.0    | 15.2        | 3.0   | 4.3   | 8.0   | 7.1          |
| Tuxedo Bulky Rabbit Ration                                     | 15.0    | 16.0        | 2.8   | 3.9   | 15.0  | 11.8         |
| Tuxedo Bulky Rabbit Ration                                     | 15.0    | 16.4        | 2.8   | 3.6   | 15.0  | 10.0         |
| Tuxedo M-C Dog Feed  | 25.0    | 26.0        | 4.0   | 5.8   | 4.0   | 3.4          |
| Tuxedo Dog Food (Canned)                                       | 10.0    | 10.4        | 2.0   | 1.5   | 1.0   | .50          |
| 44% Protein Solvent Extracted Soybean Oil Meal                 | 44.0    | 46.3        | .50   | 1.3   | 7.0   | 5.5          |

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| MANUFACTURER, BRAND AND<br>REMARKS  | Protein |       | Fat   |       | Fiber |        |
|---|---------|-------|-------|-------|-------|--------|
|   | Guar.   | Found | Guar. | Found | Guar. | Found  |
| ELBERTON OIL MILLS, ELBERTON, GEORGIA<br>Elberton Golden Cottonseed Meal                                      | 36.0    | 38.4  | 4.0   | 5.4   | 16.0  | 15.0   |
| ELKTON MILLING COMPANY, ELKTON, KENTUCKY<br>Cracked Corn  | 8.0     | 8.2   | 3.5   | 3.6   | 2.5   | 2.1    |
| F. L. EMMERT COMPANY, CINCINNATI, OHIO<br>Molasso-Malt Brand 22% Protein Dried Brewers<br>Grains and Molasses | 22.0    | 21.8  | 5.0   | 6.0   | 14.0  | 12.6   |
| Molasso-Malt Brand 22% Protein Dried Brewers<br>Grains and Molasses   | 22.0    | 22.7  | 5.0   | 5.8   | 14.0  | 11.4   |
| JOHN W. ESHELMAN AND SONS, LANCASTER, PENNSYLVANIA  |         |       |       |       |       |        |
| ** Eshelman Conestoga Horse Feed  | 10.0    | 10.3  | 4.0   | 3.2   | 10.0  | 5.1**  |
| Eshelman Red Rose Laying Mash   | 20.0    | 20.4  | 3.5   | 4.2   | 8.0   | 6.6    |
| Eshelman's Maintenance Laying Mash  | 20.0    | 22.3  | 3.5   | 3.8   | 8.0   | 7.9    |
| Eshelman Red Rose 24% Protein Dairy Feed  | 24.0    | 26.5  | 3.5   | 3.1   | 9.5   | 8.3    |
| ** Eshelman Pennsy 16% Protein Dairy Feed<br>Contained unground weed seeds                                    | 16.0    | 16.6  | 3.0   | 4.2   | 12.0  | 12.2** |
| ** Eshelman Red Rose Hog Meal   | 18.0    | 17.0  | 3.5   | 4.7   | 8.0   | 6.7**  |
| Eshelman Red Rose Dog and Puppy Food  | 23.0    | 25.7  | 4.8   | 6.7   | 4.5   | 3.2    |
| EVANS INDUSTRIES, INC., MARION, INDIANA   |         |       |       |       |       |        |
| ** Hypoint Dog Food   | 10.5    | 9.7   | 2.5   | 4.1   | 1.0   | 0.3**  |
| ** Better Bite Dog Food<br>Very high in fat   | 14.0    | 17.0  | 4.0   | 9.9   | .50   | .70**  |
| EVANS MILLING COMPANY, INDIANAPOLIS, INDIANA<br>Emco Hominy Feed  | 10.0    | 10.9  | 5.0   | 6.3   | 7.0   | 4.3    |
| EWING MILL COMPANY, BROWNSTOWN, INDIANA<br>Triple R Dog Food  | 24.0    | 26.1  | 3.0   | 8.1   | 5.0   | 3.4    |
| EXCELSIOR MILLING COMPANY, MINNEAPOLIS, MINNESOTA   |         |       |       |       |       |        |
| Camel Hard Wheat Mixed Feed   | 15.0    | 15.6  | 4.0   | 5.7   | 9.5   | 7.4    |
| Camel Hard Wheat Mixed Feed   | 15.0    | 15.8  | 4.0   | 5.7   | 9.5   | 7.5    |
| EXCHANGE MILLING COMPANY, STURGIS, KENTUCKY   |         |       |       |       |       |        |
| Imperial Brand 17% Protein All-purpose Poultry<br>Mash  | 17.0    | 16.6  | 2.5   | 3.3   | 7.0   | 5.8    |
| ** Imperial Brand 16% Protein Dairy Feed  | 16.0    | 14.3  | 3.5   | 3.8   | 13.0  | 9.0**  |
| Imperial Brand Screened Corn Chops  | 8.0     | 10.3  | 3.5   | 3.7   | 3.0   | 1.2    |
| FAMOUS FEED MILLS, NASHVILLE, TENNESSEE   |         |       |       |       |       |        |
| Famous Brand Egg Laying Mash  | 20.0    | 21.4  | 2.5   | 4.6   | 8.0   | 4.7    |
| Famous Brand Egg Laying Mash  | 20.0    | 22.0  | 2.5   | 4.8   | 8.0   | 5.7    |
| Golden Gain Egg Laying Mash   | 20.0    | 21.4  | 2.5   | 7.8   | 8.0   | 8.4    |
| ** Famous Brand 33% Protein Dairy Concentrate<br>High in salt   | 33.0    | 33.3  | 3.0   | 4.5   | 9.0   | 8.8**  |
| Famous Brand 25% Milking Feed   | 25.0    | 24.5  | 2.5   | 4.0   | 12.0  | 8.5    |
| Famous Brand 20% Protein Dairy Feed   | 20.0    | 21.7  | 3.5   | 4.1   | 12.0  | 9.0    |
| Uncle Dan 18% Dairy Feed  | 18.0    | 21.7  | 2.5   | 3.4   | 15.0  | 7.8    |
| Famous 16% Dairy Feed   | 16.0    | 19.0  | 2.5   | 4.4   | 14.0  | 8.5    |
| ** Uncle Dan 16% Dairy Feed<br>High in salt   | 16.0    | 17.5  | 2.5   | 4.1   | 15.0  | 11.7** |
| ** Uncle Dan 16% Dairy Feed   | 16.0    | 15.0  | 2.5   | 5.1   | 15.0  | 12.5** |
| ** Golden Gain Cattle Range Cubes   | 20.0    | 19.5  | 2.5   | 4.7   | 15.0  | 16.0** |
| ** Famous Brand Pig and Hog Ration  | 18.0    | 17.2  | 3.0   | 3.9   | 6.0   | 6.4**  |
| ** Famous Brand 40% Hog Supplement<br>Very much below guaranty in protein                                     | 40.0    | 38.8  | 4.0   | 5.0   | 7.0   | 5.8**  |
| Famous Brand Bird Dog Feed  | 25.0    | 26.4  | 5.0   | 7.5   | 5.0   | 4.2    |
| 41% Protein Soybean Oil Meal  | 41.0    | 43.1  | 5.0   | 4.6   | 7.0   | 6.0    |
| 41% Protein Soybean Oil Meal  | 41.0    | 41.4  | 5.0   | 4.8   | 7.0   | 6.4    |

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



Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                           | Protein |             | Fat   |       | Fiber |               |
|--|---------|-------------|-------|-------|-------|---------------|
|  | Guar.   | Found       | Guar. | Found | Guar. | Found         |
| FAMOUS FEED MILLS, NASHVILLE, TENNESSEE (Cont'd)             |         |             |       |       |       |               |
| ** 41% Protein Cottonseed Meal                               | 41.0    | <u>37.7</u> | 5.0   | 4.9   | 12.0  | <u>14.2**</u> |
| Very much below guarantee in protein                         |         |             |       |       |       |               |
| Very much above guarantee in fiber                           |         |             |       |       |       |               |
| 41% Protein Cottonseed Meal                                  | 41.0    | 41.7        | 5.0   | 5.1   | 12.0  | 12.1          |
| FARM MINERALS COMPANY, INDIANAPOLIS, INDIANA                 |         |             |       |       |       |               |
| Blue Cross Brand Livestock Mineral with Mineral Oil          |         |             |       |       |       |               |
| Calcium.....   | 21.0    | 21.9        |       |       |       |               |
| Phosphorus.....  | 4.0     | 4.1         |       |       |       |               |
| Iodine.....  | .003    |             |       |       |       |               |
| Salt.....  | 6.0     | 4.1         |       |       |       |               |
| FARMERS ELEVATORS, OWENSBORO, KENTUCKY                       |         |             |       |       |       |               |
| Feeders Friend 32% Dairy Feed                                | 32.0    | 36.5        | 3.0   | 3.1   | 8.0   | 8.0           |
| Feeders Friend 30% Steer Supplement A                        | 30.0    | 33.4        | 2.0   | 2.7   | 8.0   | 5.6           |
| FARMERS FEED MILL, ALBANY, KENTUCKY                          |         |             |       |       |       |               |
| C & C Yellow Tag Brand 16% Dairy Feed                        | 16.0    | 19.5        | 2.5   | 3.3   | 10.0  | 9.7           |
| FARMERS FEED STORE, CENTRAL CITY, KENTUCKY                   |         |             |       |       |       |               |
| Veribest Brand 20% Protein Laying Mash                       | 20.0    | 21.1        | 3.5   | 3.4   | 8.0   | 5.6           |
| FARMERS MILLING COMPANY, SOMERSET, KENTUCKY                  |         |             |       |       |       |               |
| Farmers 16% Mixed Feed                                       | 16.0    | 15.8        | 3.0   | 6.2   | 10.0  | 8.3           |
| ** Farmers XXX Brand Stock Feed                              | 12.5    | <u>11.6</u> | 2.5   | 4.0   | 15.0  | 12.5**        |
| Contained unground weed seeds                                |         |             |       |       |       |               |
| ** Farmers XXX Brand Stock Feed                              | 12.5    | 11.0        | 2.5   | 5.4   | 15.0  | 10.3**        |
| ** Farmers XXX Brand Stock Feed                              | 12.5    | <u>13.4</u> | 2.5   | 3.9   | 15.0  | 12.4**        |
| Contained unground weed seeds                                |         |             |       |       |       |               |
| Farmers XXX Brand Stock Feed                                 | 12.5    | 12.5        | 2.5   | 3.9   | 15.0  | 12.1          |
| Farmers XXX Brand Stock Feed                                 | 12.5    | 13.0        | 2.5   | 3.9   | 15.0  | 12.0          |
| Farmers XXX Brand Stock Feed                                 | 12.5    | 12.1        | 2.5   | 4.1   | 15.0  | 11.5          |
| Farmers Hog Feed   | 16.0    | 15.9        | 5.0   | 6.4   | 8.0   | 5.2           |
| Ground Wheat   | 11.0    | 11.4        | 2.0   | 2.1   | 3.0   | 3.5           |
| FARMERS AND MERCHANTS MILLING COMPANY, BROOKSVILLE, KENTUCKY |         |             |       |       |       |               |
| Mixed Feed   | 13.5    | 15.1        | 3.0   | 4.8   | 8.0   | 6.6           |
| FARMERS UNION MILL, VERSAILLES, KENTUCKY                     |         |             |       |       |       |               |
| Tasty Brand 18% Protein Laying Mash                          | 18.0    | 19.1        | 3.5   | 3.5   | 7.0   | 4.6           |
| FERNCLIFF FEED AND GRAIN COMPANY, LOUISVILLE, KENTUCKY       |         |             |       |       |       |               |
| Ferncliff 24% Dairy Feed                                     | 24.0    | 27.6        | 2.5   | 3.1   | 11.0  | 8.1           |
| Ferncliff 24% Dairy Feed                                     | 24.0    | 24.4        | 2.5   | 3.9   | 11.0  | 7.3           |
| Cracker Jack Brand 24% Protein Sweet Dairy Feed              | 24.0    | 24.2        | 3.0   | 3.4   | 10.0  | 7.3           |
| Cracker Jack Brand 24% Protein Sweet Dairy Feed              | 24.0    | 25.4        | 3.0   | 3.2   | 10.0  | 7.0           |
| Sweet 16% Dairy Feed   | 16.0    | 16.9        | 2.5   | 4.1   | 15.0  | 8.8           |
| Sweet 16% Dairy Feed   | 16.0    | 17.0        | 2.5   | 4.1   | 15.0  | 9.1           |
| P.D.Q. Brand Wheat Gray Shorts with Screenings               | 14.0    | 16.2        | 3.5   | 4.0   | 6.0   | 5.5           |
| FIELD'S PACKING COMPANY, OWENSBORO, KENTUCKY                 |         |             |       |       |       |               |
| Field's 50% Protein Meat Scraps                              | 50.0    | 56.3        | 5.0   | 13.2  | 3.0   | 0.9           |
| HENRY FISCHER PACKING COMPANY, LOUISVILLE, KENTUCKY          |         |             |       |       |       |               |
| Mellwood Brand 60% Protein Digester Tankage                  | 60.0    | 65.0        | 5.0   | 11.7  | 2.5   | 1.7           |
| FLAG PET FOOD CORPORATION, NEW YORK, NEW YORK                |         |             |       |       |       |               |
| Flag Dog Food  | 8.0     | 9.9         | 2.0   | 3.5   | 1.3   | 1.2           |
| FLAMBEAU MILLING COMPANY, PHILLIPS, WISCONSIN                |         |             |       |       |       |               |
| Pulverized Mixed Feed Oats                                   | 11.0    | 12.0        | 4.5   | 4.6   | 13.8  | 13.2          |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                           | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| FORTUNE FEED MILLS, NASHVILLE, TENNESSEE                     |         |       |       |       |       |        |
| Fortune 16% All-Purpose Poultry Mash                         | 16.0    | 17.6  | 3.0   | 4.5   | 7.0   | 4.2    |
| Fortune 16% All-Purpose Poultry Mash                         | 16.0    | 16.3  | 3.0   | 4.2   | 7.0   | 5.4    |
| ** Fortune Liberty 16% Dairy Feed                            | 16.0    | 16.5  | 2.5   | 1.8   | 15.0  | 20.3** |
| Very much above guaranty in fiber                            |         |       |       |       |       |        |
| Contained cottonseed hulls and rice hulls                    |         |       |       |       |       |        |
| Fortune Sweet Feed   | 9.0     | 10.1  | 1.0   | 1.4   | 15.0  | 10.4   |
| HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY            |         |       |       |       |       |        |
| Producer Starter and Grower Mash                             | 20.0    | 20.8  | 3.0   | 4.6   | 7.0   | 5.4    |
| Producer 20% Protein Egg Mash                                | 20.0    | 20.9  | 3.0   | 4.5   | 7.0   | 5.6    |
| Producer Scratch Feed  | 8.0     | 9.1   | 2.5   | 3.5   | 3.0   | 2.4    |
| Producer Scratch Feed  | 8.0     | 9.7   | 2.5   | 3.1   | 3.0   | 2.1    |
| Blue Grass 33% Dairy Concentrate                             | 33.0    | 35.4  | 2.0   | 2.6   | 8.0   | 6.5    |
| Blue Grass 33% Dairy Concentrate                             | 33.0    | 36.7  | 2.0   | 2.8   | 8.0   | 7.2    |
| Blue Grass 24% Dairy Feed                                    | 24.0    | 25.9  | 3.0   | 2.9   | 9.0   | 8.9    |
| Producer 24% Protein Dairy Feed                              | 24.0    | 25.5  | 2.5   | 3.3   | 11.0  | 9.0    |
| Producer 24% Protein Dairy Feed                              | 24.0    | 27.5  | 2.5   | 3.3   | 11.0  | 9.8    |
| Blue Grass 20% Dairy Feed                                    | 20.0    | 24.8  | 3.0   | 3.3   | 9.0   | 7.3    |
| Blue Grass 20% Dairy Feed                                    | 20.0    | 24.3  | 3.0   | 3.2   | 9.0   | 6.7    |
| Blue Grass Special 16% Dairy Feed                            | 16.0    | 17.7  | 2.5   | 2.6   | 12.0  | 9.7    |
| ** Blue Grass Special 16% Dairy Feed                         | 16.0    | 19.6  | 2.5   | 3.0   | 12.0  | 8.0**  |
| Excess urea  |         |       |       |       |       |        |
| Blue Grass 16% Dairy Feed                                    | 16.0    | 19.6  | 3.0   | 3.2   | 9.0   | 6.5    |
| Blue Grass Special 16% Dairy Feed                            | 16.0    | 18.4  | 2.5   | 3.0   | 12.0  | 8.7    |
| Producer 16% Dairy Feed                                      | 16.0    | 19.7  | 2.5   | 3.2   | 15.0  | 12.8   |
| ** Producer 16% Dairy Feed                                   | 16.0    | 21.1  | 2.5   | 2.4   | 15.0  | 14.1** |
| Excess urea  |         |       |       |       |       |        |
| Producer 16% Dairy Feed                                      | 16.0    | 18.8  | 2.5   | 3.2   | 15.0  | 10.5   |
| Producer 16% Dairy Feed                                      | 16.0    | 15.9  | 2.5   | 3.1   | 15.0  | 14.4   |
| Producer 16% Dairy Feed                                      | 16.0    | 19.3  | 2.5   | 3.1   | 15.0  | 13.5   |
| Blue Grass 40% Protein Pig and Hog Supplement                | 40.0    | 41.7  | 2.5   | 3.7   | 8.0   | 6.4    |
| Blue Grass 18% Protein Pig and Hog Feed                      | 18.0    | 20.0  | 3.5   | 5.3   | 6.0   | 5.3    |
| ** Blue Grass Sweet Mixing Feed                              | 9.0     | 14.0  | 1.0   | 1.3   | 14.0  | 15.7** |
| FUHRER-FORD MILLING COMPANY, MT. VERNON, INDIANA             |         |       |       |       |       |        |
| Wheat Bran   | 14.5    | 15.1  | 4.0   | 4.8   | 10.0  | 10.1   |
| GARDEN STREET MILL AND ELEVATOR, LOUISVILLE, KENTUCKY        |         |       |       |       |       |        |
| ** Garden 24% Protein Dairy Feed                             | 24.0    | 22.8  | 3.0   | 2.6   | 15.0  | 9.6**  |
| ** Garden Special Brand 16% Protein Dairy Feed               | 16.0    | 18.2  | 3.0   | 2.1   | 15.0  | 9.2**  |
| GARRARD MILLS, LANCASTER, KENTUCKY                           |         |       |       |       |       |        |
| Moore's Special Brand, 16% Dairy Feed                        | 16.0    | 17.5  | 3.0   | 3.3   | 9.0   | 5.6    |
| GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA                  |         |       |       |       |       |        |
| Larro Scratch Grains   | 8.0     | 9.4   | 2.0   | 3.0   | 5.0   | 2.9    |
| Larro 32% Protein Dairy Concentrate                          | 32.0    | 37.3  | 2.0   | 2.5   | 11.0  | 6.1    |
| Larro Fitting Feed   | 14.0    | 17.2  | 2.5   | 3.9   | 12.0  | 8.3    |
| Larro Special Sow and Pig Builder                            | 17.0    | 19.6  | 3.0   | 3.7   | 6.0   | 5.0    |
| Sonny South Wheat Gray Shorts and Screenings                 | 15.0    | 16.3  | 3.5   | 5.0   | 6.0   | 4.9    |
| GENERAL FOODS CORPORATION, NEW YORK, NEW YORK                |         |       |       |       |       |        |
| Gaines 25% Protein Dog Meal                                  | 25.0    | 25.6  | 6.0   | 6.3   | 5.0   | 3.8    |
| GENERAL FOODS CORPORATION, BOSTON, MASSACHUSETTS             |         |       |       |       |       |        |
| Jack and Jill Cat Food                                       | 17.0    | 16.9  | .30   | .60   | .30   | .10    |
| GENERAL DISTRIBUTING COMPANY, NATIONAL STOCK YARDS, ILLINOIS |         |       |       |       |       |        |
| Krey's 60% Protein Digester Tankage                          | 60.0    | 59.7  | 5.0   | 11.8  | 3.0   | .60    |
| GENERAL PACKING COMPANY, CINCINNATI 3, OHIO                  |         |       |       |       |       |        |
| Viking Brand Dog Food  | 10.0    | 10.2  | 2.0   | 1.5   | 1.5   | .50    |
| Vigor Dog Food   | 10.0    | 11.1  | 2.0   | 1.5   | 1.5   | .70    |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                           | Protein |       | Fat   |       | Fiber |       |
|--|---------|-------|-------|-------|-------|-------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found |
| GERMANTOWN MILLING COMPANY, GERMANTOWN, KENTUCKY             |         |       |       |       |       |       |
| ** Mixed Feed<br>Contained ground and unground weed seeds    | 13.0    | 14.4  | 3.0   | 3.3   | 8.0   | 4.7** |
| GILSTER'S MILLING COMPANY, CHESTER, ILLINOIS                 |         |       |       |       |       |       |
| Gilster's Wheat Gray Shorts                                  | 15.5    | 15.6  | 4.0   | 4.4   | 7.5   | 5.3   |
| GLASGOW TRADING CENTER, GLASGOW, KENTUCKY                    |         |       |       |       |       |       |
| Chowmix 20% Laying Mash                                      | 20.0    | 20.0  | 3.0   | 3.9   | 7.5   | 4.5   |
| Chowmix 16% Dairy Feed                                       | 16.0    | 16.0  | 3.0   | 2.6   | 10.0  | 7.7   |
| Chowmix 14% Protein Hog Feed                                 | 14.0    | 15.3  | 3.5   | 3.9   | 5.0   | 3.0   |
| GLIDDEN COMPANY, INDIANAPOLIS, INDIANA                       |         |       |       |       |       |       |
| Glidden Laying Mash  | 20.0    | 20.8  | 2.5   | 3.4   | 8.0   | 5.7   |
| Glidden Laying Mash  | 20.0    | 20.6  | 2.5   | 3.2   | 8.0   | 6.6   |
| Glidden Laying Mash  | 20.0    | 21.6  | 2.5   | 3.4   | 8.0   | 6.0   |
| Glidden Egg-ets Brand Layer Pellets                          | 24.0    | 25.4  | 2.5   | 3.4   | 8.0   | 6.7   |
| Glidden Hi-Flo 16% Dairy Feed                                | 16.0    | 16.9  | 2.5   | 2.8   | 12.0  | 11.1  |
| Glidden 14% Pork Fattener                                    | 14.0    | 14.9  | 2.5   | 3.8   | 6.0   | 6.2   |
| EDWARD F. GOEKE SONS, EVANSVILLE, INDIANA                    |         |       |       |       |       |       |
| "A.P." 16% Protein All-Purpose Poultry Mash                  | 17.0    | 17.9  | 3.0   | 4.6   | 5.0   | 4.0   |
| ** "Faster Fattener Brand" 15% Protein Station Feed          | 15.0    | 14.9  | 4.5   | 3.6   | 6.0   | 5.5** |
| GOLDCAMP MILL COMPANY, IRONTON, OHIO                         |         |       |       |       |       |       |
| Egg-O 20% Laying Mash  | 20.0    | 19.8  | 3.5   | 3.8   | 7.0   | 7.4   |
| ** Egg-O Brand Scratch Feed<br>Contained unground weed seeds | 9.0     | 10.4  | 3.0   | 2.6   | 4.0   | 2.4** |
| Cream Flow Brand 24% Protein Dairy Feed                      | 24.0    | 24.8  | 3.5   | 3.1   | 10.0  | 7.6   |
| ** Goldcamp Pig and Hog Grower                               | 17.0    | 17.7  | 4.5   | 4.4   | 6.0   | 7.0** |
| ** Screened Cracked Corn                                     | 8.3     | 8.6   | 3.9   | 2.9   | 2.0   | 1.6** |
| GRO MO, INC., RUSSELLVILLE, KENTUCKY                         |         |       |       |       |       |       |
| ** Gro Mo Dog Food<br>High in fat                            | 15.0    | 16.8  | 2.0   | 9.7   | .50   | .20** |
| GWINN BROTHERS AND COMPANY, HUNTINGTON, WEST VIRGINIA        |         |       |       |       |       |       |
| Gwinn's Merit Brand 20% Laying Mash                          | 20.0    | 21.7  | 3.0   | 3.8   | 8.0   | 7.0   |
| Banner 24% Dairy Feed  | 24.0    | 25.5  | 3.0   | 3.5   | 15.0  | 12.6  |
| Sweet Acre 24% Dairy Feed                                    | 24.0    | 24.1  | 2.5   | 2.8   | 15.0  | 12.5  |
| Gwinn's Merit Brand 24% Dairy Feed                           | 24.0    | 23.8  | 3.0   | 3.3   | 12.0  | 7.0   |
| ** Gwinn's Merit Brand 24% Dairy Feed                        | 24.0    | 23.2  | 3.0   | 3.7   | 12.0  | 7.3** |
| Gwinn's 95% Grain Horse Feed                                 | 9.0     | 10.1  | 2.5   | 3.8   | 12.0  | 7.3   |
| Gwinn's Red Brand Stock Feed                                 | 12.0    | 13.1  | 3.0   | 4.1   | 9.0   | 5.9   |
| Gwinn's Mixed Feed and Screenings                            | 13.5    | 15.0  | 4.0   | 3.8   | 7.5   | 6.9   |
| HALES & HUNTER COMPANY, CHICAGO, ILLINOIS                    |         |       |       |       |       |       |
| Nitrophenide & Arsanilic Acid in Red Comb<br>Broiler Mash    | 20.0    | 21.5  | 3.0   | 3.6   | 6.0   | 4.4   |
| Nitrophenide & Arsanilic Acid in Red Comb<br>Broiler Mash    | 20.0    | 21.0  | 3.0   | 3.9   | 6.0   | 5.1   |
| Nitrophenide & Arsanilic Acid in Havana<br>Poultry Pellets   | 18.0    | 19.3  | 3.0   | 4.0   | 6.0   | 5.0   |
| Nitrophenide in Havana Poultry Pellets                       | 18.0    | 18.8  | 3.0   | 3.4   | 6.0   | 4.8   |
| Red Comb 20% Protein Egg Mash                                | 20.0    | 21.0  | 3.0   | 3.6   | 7.0   | 6.5   |
| Pioneer 18% Protein Dairy Feed                               | 18.0    | 20.4  | 3.0   | 3.2   | 9.0   | 6.5   |
| Gold Flake 16 1/2% Protein Dairy Feed                        | 16.5    | 16.8  | 2.5   | 2.6   | 15.0  | 10.1  |
| Pioneer 16% Protein Dairy Feed                               | 16.0    | 15.9  | 3.0   | 3.3   | 9.0   | 6.5   |
| Pioneer 16% Protein Dairy Feed                               | 16.0    | 17.1  | 3.0   | 4.0   | 9.0   | 6.3   |
| Pioneer Dry and Freshening Feed                              | 12.0    | 13.3  | 2.5   | 4.0   | 10.0  | 6.4   |
| Pioneer 40% Protein Hog Balancer                             | 40.0    | 40.6  | 1.5   | 2.4   | 7.0   | 5.0   |
| Pioneer 21% Protein Sow and Pig Feed                         | 21.0    | 24.2  | 3.0   | 3.4   | 6.0   | 4.6   |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                         | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| HALES & HUNTER COMPANY, CHICAGO, ILLINOIS (Cont'd)         |         |       |       |       |       |        |
| Lucky Dog Food   | 25.0    | 26.6  | 3.0   | 4.6   | 6.0   | 2.1    |
| Lucky Dog Food   | 25.0    | 31.7  | 3.0   | 3.9   | 6.0   | 2.9    |
| HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY             |         |       |       |       |       |        |
| Arrow 20% Protein Egg Mash                                 | 20.0    | 21.6  | 3.0   | 5.1   | 7.0   | 6.4    |
| Arrow Horse & Mule Feed                                    | 9.0     | 9.6   | 3.5   | 3.6   | 6.0   | 4.3    |
| HARDIN COUNTY MILLS, ELIZABETHTOWN, KENTUCKY               |         |       |       |       |       |        |
| Emerson's Hog Fattener                                     | 15.0    | 16.5  | 2.5   | 3.7   | 7.0   | 4.1    |
| HARDY BROTHERS MILLS, WALTON, KENTUCKY                     |         |       |       |       |       |        |
| Colonial 20% Egg Mash                                      | 20.0    | 21.4  | 2.5   | 3.2   | 7.0   | 4.9    |
| O. L. HARPER, IRONTON, OHIO                                |         |       |       |       |       |        |
| Scratch Grains   | 9.0     | 9.7   | 2.0   | 4.1   | 3.5   | 3.8    |
| R. L. HARRISON, BAGDAD, KENTUCKY                           |         |       |       |       |       |        |
| Harrison's 18% Dairy Feed                                  | 18.0    | 20.4  | 3.5   | 3.4   | 12.0  | 5.1    |
| ** Harrison's Nat-ur-Way 16% Protein Dairy Feed            | 16.0    | 18.2  | 3.5   | 2.5   | 12.0  | 8.3**  |
| ** Harrison's Nat-ur-Way 16% Protein Dairy Feed            | 16.0    | 18.7  | 3.5   | 2.9   | 12.0  | 8.0**  |
| ** Bulky Brand 16 1/2% Protein Dairy Feed                  | 16.5    | 19.6  | 3.8   | 3.3   | 15.0  | 8.7**  |
| Contained unground weed seeds                              |         |       |       |       |       |        |
| Harrison's 95% Grain Horse & Mule Feed                     | 9.0     | 8.6   | 3.5   | 3.1   | 7.0   | 4.9    |
| P. H. HARSHA MILLING COMPANY, PORTSMOUTH, OHIO             |         |       |       |       |       |        |
| Harsha's Producto Brand 20% Protein Laying Mash            | 20.0    | 21.3  | 3.5   | 3.4   | 8.0   | 7.3    |
| Harsha's Producto Brand Horse & Mule Feed                  | 9.0     | 10.6  | 2.5   | 2.8   | 14.0  | 7.1    |
| Harsha's Producto Brand 14% Protein Porkmaker              | 14.0    | 16.9  | 3.5   | 5.2   | 7.0   | 5.9    |
| Harsha's Wheat Flour Middlings with Screenings             | 13.0    | 15.4  | 3.0   | 3.9   | 6.0   | 3.3    |
| HARTZ MOUNTAIN PRODUCTS, NEW YORK, NEW YORK                |         |       |       |       |       |        |
| Dog Yummied Dog Candy                                      | 25.5    | 33.6  | 2.4   | 7.4   | 5.9   | 2.6    |
| EDWIN C. HAWKINS, PADUCAH, KENTUCKY                        |         |       |       |       |       |        |
| ** Record Brand 34% Dairy Supplement                       | 34.0    | 30.5  | 3.0   | 3.0   | 15.0  | 12.1** |
| Very much below guarantee in protein                       |         |       |       |       |       |        |
| Record Brand 20% Pig and Sow Meal                          | 20.0    | 19.7  | 3.5   | 4.8   | 6.0   | 6.2    |
| HAYS CITY FLOUR MILLS, HAYS, KANSAS                        |         |       |       |       |       |        |
| Wheat Gray Shorts with Screenings                          | 16.0    | 16.2  | 4.0   | 3.9   | 6.0   | 6.3    |
| G. M. HAYCRAFT & SON, LEITCHFIELD, KENTUCKY                |         |       |       |       |       |        |
| Haycrafts 20% Protein Dairy Feed                           | 20.0    | 22.2  | 3.0   | 2.8   | 9.0   | 7.5    |
| HAYDON MILL AND GRAIN COMPANY, INC., SPRINGFIELD, KENTUCKY |         |       |       |       |       |        |
| ** Magic Brand 20% Dairy Feed                              | 20.0    | 21.0  | 2.5   | 1.9   | 15.0  | 10.9** |
| ** Magic Brand Pig and Sow Feed                            | 16.0    | 16.0  | 3.0   | 4.0   | 6.0   | 7.0**  |
| Magic Brand 14% Hog Fattener                               | 14.0    | 14.2  | 3.0   | 4.8   | 7.0   | 6.4    |
| Magic Brand Horse Feed                                     | 9.0     | 9.5   | 2.5   | 2.9   | 10.0  | 3.4    |
| DR. HEINZ COMPANY, WASHINGTON, C. H., OHIO                 |         |       |       |       |       |        |
| Heinz Nu-Way All-Mash Laying Ration                        | 18.0    | 19.3  | 3.5   | 3.8   | 7.5   | 5.1    |
| Century Egg Mash   | 18.0    | 19.8  | 3.5   | 3.5   | 8.0   | 7.3    |
| Heinz Nu-Way 24% Dairy Feed                                | 24.0    | 26.5  | 3.0   | 3.8   | 9.0   | 8.2    |
| Heinz Nu-Way Sweet Flo Brand 22% Protein                   |         |       |       |       |       |        |
| Mixing Feed  | 22.0    | 26.9  | 2.5   | 3.6   | 8.5   | 8.2    |
| Heinz Nu-Way 20% Dairy Feed                                | 20.0    | 21.6  | 3.0   | 4.5   | 9.0   | 8.4    |
| Heinz Nu-Way 16% Dairy Feed                                | 16.0    | 18.5  | 3.5   | 3.7   | 9.0   | 6.9    |
| Heinz Nu-Way Pig & Sow Ration                              | 18.0    | 17.9  | 3.5   | 3.9   | 6.0   | 5.6    |
| HELMER'S FEED & SUPPLY COMPANY, OWENSBORO, KENTUCKY        |         |       |       |       |       |        |
| Chowmix Laying Feed  | 15.0    | 15.7  | 3.0   | 3.3   | 7.0   | 3.6    |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS  | Protein |       | Fat   |       | Fiber |        |
|---|---------|-------|-------|-------|-------|--------|
|   | Guar.   | Found | Guar. | Found | Guar. | Found  |
| HI-LIFE PACKING COMPANY, CHICAGO, ILLINOIS<br>Hi-Life Dog Food  | 10.0    | 13.4  | 2.0   | 4.3   | 1.5   | .80    |
| HILL PACKING COMPANY, TOPEKA, KANSAS<br>Hill's Dog Food   | 10.0    | 10.3  | 2.5   | 4.3   | 1.5   | .60    |
|   | 10.0    | 11.5  | 2.0   | 6.1   | 1.0   | .60    |
| HOME MILLING COMPANY, GREENVILLE, KENTUCKY<br>Happy Home Brand 18% Protein Laying Mash                | 18.0    | 18.0  | 3.5   | 4.1   | 8.0   | 7.1    |
| ** Champion Brand Laying Mash   | 20.0    | 19.6  | 4.0   | 4.1   | 7.0   | 7.8**  |
| ** Happy Home 24% Dairy Feed  | 24.0    | 21.5  | 4.0   | 4.7   | 8.0   | 9.2**  |
| Very much below guarantee in protein  |         |       |       |       |       |        |
| ** Happy Home 16% Sweet Dairy Feed  | 16.0    | 14.6  | 3.0   | 3.3   | 15.0  | 12.0** |
| ** Happy Home 16% Sweet Dairy Feed  | 16.0    | 14.7  | 3.0   | 4.0   | 15.0  | 15.5** |
| ** Happy Home 16% Sweet Dairy Feed  | 16.0    | 16.1  | 3.0   | 4.1   | 15.0  | 13.3** |
| Excess Urea   |         |       |       |       |       |        |
| ** Happy Home 16% Sweet Dairy Feed  | 16.0    | 13.4  | 3.0   | 2.2   | 15.0  | 12.1** |
| Very much below guarantee in protein  |         |       |       |       |       |        |
| Happy Home Brand 85% Grain Horse & Mule Feed  | 9.0     | 8.8   | 3.0   | 2.9   | 10.0  | 6.2    |
| Champion 40% Hog Supplement   | 40.0    | 40.7  | 3.0   | 2.8   | 8.5   | 5.4    |
| ** Happy Home Hog Ration  | 16.0    | 16.2  | 3.0   | 5.7   | 8.0   | 9.2**  |
| Happy Home Brand Cracked Corn   | 9.0     | 8.5   | 3.8   | 3.6   | 2.5   | 1.7    |
| HOPKINSVILLE MILLING COMPANY, HOPKINSVILLE, KENTUCKY<br>** Sunflower Brand 40% Protein Hog Supplement | 40.0    | 42.5  | 4.5   | 4.0   | 8.0   | 8.2**  |
| Calcium. . . . .  | 3.5     | 1.7   |       |       |       |        |
| Phosphorus. . . . .   | 1.5     | .80   |       |       |       |        |
| Iodine. . . . .   | .003    |       |       |       |       |        |
| Salt. . . . .   | 1.5     | 1.5   |       |       |       |        |
| ** Sunflower Brand 40% Protein Hog Supplement   | 40.0    | 39.2  | 4.5   | 4.0   | 8.0   | 6.9**  |
| Calcium. . . . .  | 3.5     | 2.6   |       |       |       |        |
| Phosphorus. . . . .   | 1.5     | 1.2   |       |       |       |        |
| Iodine. . . . .   | .003    |       |       |       |       |        |
| Salt. . . . .   | 1.5     | 1.8   |       |       |       |        |
| Wheat Bran and Screenings   | 14.5    | 17.1  | 3.8   | 3.7   | 10.0  | 9.5    |
| HORSE CAVE MILLS, HORSE CAVE, KENTUCKY<br>** Scratch Feed   | 8.0     | 10.1  | 2.5   | 2.6   | 4.0   | 2.6**  |
| Contained unground weed seeds   |         |       |       |       |       |        |
| ** Scratch Feed   | 8.0     | 10.3  | 2.5   | 3.9   | 4.0   | 2.3**  |
| Contained unground weed seeds   |         |       |       |       |       |        |
| Superior Brand Mixed Feed   | 12.0    | 12.6  | 3.0   | 2.8   | 8.5   | 4.1    |
| Superior Brand Mixed Feed   | 12.0    | 12.9  | 3.0   | 3.4   | 8.5   | 5.6    |
| HOUSEHOLD PRODUCTS COMPANY, EVANSTON, ILLINOIS<br>Beau Dog Food                                       | 10.0    | 9.9   | 2.0   | 2.4   | 1.5   | 1.5    |
| HUEGELY ELEVATOR COMPANY, NASHVILLE, ILLINOIS<br>Expeller Soybean Oil Meal                            | 41.0    | 42.7  | 3.5   | 5.7   | 7.0   | 6.8    |
| HULMAN & COMPANY, EVANSVILLE, INDIANA<br>Rex Dog Food   | 10.0    | 10.5  | 2.0   | 2.0   | 1.5   | 1.3    |
| HUTCHINS BROTHERS MINERAL WORKS, HILLSBORO, INDIANA<br>H-B Special Formula Brand Mineral Feed         |         |       |       |       |       |        |
| Calcium. . . . .  | 21.0    | 31.4  |       |       |       |        |
| Phosphorus. . . . .   | 2.0     | 2.3   |       |       |       |        |
| Iodine. . . . .   | .0056   |       |       |       |       |        |
| Salt. . . . .   | 10.0    | 10.0  |       |       |       |        |
| ILLINOIS CEREAL MILLS, PARIS, ILLINOIS<br>Hominy Feed   | 10.0    | 10.0  | 5.0   | 6.0   | 5.0   | 4.1    |
| Hominy Feed   | 10.0    | 10.9  | 5.0   | 7.9   | 5.0   | 5.2    |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                                     | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| INTERNATIONAL SALT CO., INC., SCRANTON, PENNSYLVANIA                   |         |       |       |       |       |        |
| Sterling Blusalt (Loose Form)  |         |       |       |       |       |        |
| Salt . . . . .   | 98.5    | 98.0  |       |       |       |        |
| INTERSTATE FOODS OF AMERICA, BEDFORD, OHIO                             |         |       |       |       |       |        |
| ** ABC Diet 1 Dog Food   | 10.0    | 9.2   | 2.0   | 1.7   | 1.5   | .90**  |
| ABC Diet 2 Dog Food  | 10.0    | 10.0  | 2.0   | 2.6   | 1.5   | .90    |
| ABC Diet 3 Dog Food  | 10.0    | 10.6  | 2.0   | 3.1   | 1.5   | 1.1    |
| JACKSON COTTON OIL MILL, JACKSON, TENNESSEE                            |         |       |       |       |       |        |
| Bell Cow Brand 41% Protein Cottonseed Meal                             | 41.0    | 41.6  | 5.0   | 5.9   | 12.0  | 11.4   |
| Bell Cow Brand 41% Protein Cottonseed Meal                             | 41.0    | 41.0  | 5.0   | 6.2   | 12.0  | 11.9   |
| JASPER MILLING COMPANY, SCIENCE HILL, KENTUCKY                         |         |       |       |       |       |        |
| Wheat Mixed Feed   | 13.0    | 13.9  | 3.5   | 3.8   | 7.0   | 5.0    |
| JEFFERSON MEAL COMPANY, MEMPHIS, TENNESSEE                             |         |       |       |       |       |        |
| White Brand 41% Protein Cottonseed Meal-Prime Quality                  | 41.0    | 41.2  | 4.0   | 6.3   | 13.0  | 10.2   |
| KASCO MILLS, INC., TOLEDO, OHIO  |         |       |       |       |       |        |
| Kasco Egg Producer   | 20.0    | 21.2  | 3.0   | 3.9   | 7.5   | 7.1    |
| Kasco Egg Producer   | 20.0    | 21.1  | 3.0   | 3.7   | 7.5   | 6.8    |
| Kasco Beatsall Milk Grains Brand 20% Dairy Feed                        | 20.0    | 19.7  | 3.5   | 3.1   | 10.0  | 6.9    |
| Kasco 16% Protein Sweet Dairy Feed                                     | 16.0    | 17.0  | 3.0   | 3.0   | 12.0  | 9.3    |
| Kasco Complete Dog Ration  | 25.0    | 27.4  | 7.0   | 8.1   | 4.0   | 3.3    |
| Kasco Dog Ration   | 10.0    | 10.4  | 2.0   | 1.8   | 1.5   | 1.6    |
| KECO MILLING COMPANY, McKENZIE, TENNESSEE                              |         |       |       |       |       |        |
| Keco Hog Fat-Ner Brand 16% Hog Feed                                    | 16.0    | 16.4  | 3.5   | 5.9   | 8.0   | 5.1    |
| Keco Wheat Gray Shorts and Screenings                                  | 15.0    | 17.2  | 4.0   | 3.8   | 6.0   | 5.8    |
| ** 41% Protein Cottonseed Meal   | 41.0    | 38.4  | 5.0   | 4.5   | 12.0  | 15.0** |
| Very much below guarantee in protein                                   |         |       |       |       |       |        |
| Very much above guarantee in fiber                                     |         |       |       |       |       |        |
| KELLER HAY AND GRAIN COMPANY, NEWPORT, KENTUCKY                        |         |       |       |       |       |        |
| ** Big K 20% Dairy Feed  | 20.0    | 19.0  | 3.0   | 5.1   | 10.0  | 7.9**  |
| Big K Pig and Sow Ration   | 16.0    | 17.4  | 3.5   | 4.5   | 6.0   | 5.2    |
| KELLOGG COMPANY, OMAHA, NEBRASKA                                       |         |       |       |       |       |        |
| Kellogg's Hominy Feed  | 10.0    | 9.9   | 5.0   | 7.5   | 5.0   | 4.3    |
| KENTUCKY ANIMAL BY-PRODUCTS COMPANY, RUSSELLVILLE, KENTUCKY            |         |       |       |       |       |        |
| Blue Ribbon Brand 50% Tankage  | 50.0    | 50.2  | 6.0   | 15.6  | 3.0   | 2.9    |
| Blue Ribbon Brand 50% Tankage  | 50.0    | 51.3  | 6.0   | 17.0  | 3.0   | 2.7    |
| KENNEL SUPPLY COMPANY, JACKSONVILLE, TEXAS                             |         |       |       |       |       |        |
| ** Headstart Dog Food  | 6.3     | 6.5   | 1.0   | .50   | 2.0   | .09**  |
| Very high in water   |         |       |       |       |       |        |
| ** Headstart Dog Food  | 6.3     | 6.1   | 1.0   | .30   | 2.0   | 1.0**  |
| Very high in water   |         |       |       |       |       |        |
| ** Headstart Dog Food  | 6.3     | 6.1   | 1.0   | .30   | 2.0   | 1.0**  |
| Very high in water   |         |       |       |       |       |        |
| G. D. KENNY DIVISION - CONSOLIDATED GROCERS CORP., BALTIMORE, MARYLAND |         |       |       |       |       |        |
| Spunky Dog & Cat Food  | 10.0    | 10.8  | 2.0   | 2.6   | 1.3   | .90    |
| F. W. KIBLER MILLING COMPANY, MT. ORAB, OHIO                           |         |       |       |       |       |        |
| Kibler Brand 22% Turkey Grower   | 22.0    | 24.7  | 4.0   | 4.6   | 6.0   | 5.2    |
| Kibler 34% Protein Dairy Supplement                                    | 34.0    | 34.4  | 3.0   | 3.3   | 12.0  | 10.1   |
| KIMBELL FOOD PRODUCTS COMPANY, FORT WORTH, TEXAS                       |         |       |       |       |       |        |
| Kim Dog Food   | 6.0     | 6.9   | 1.0   | .60   | 1.3   | .80    |

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Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS  | Protein |             | Fat   |            | Fiber |               |
|---|---------|-------------|-------|------------|-------|---------------|
|   | Guar.   | Found       | Guar. | Found      | Guar. | Found         |
| KUTTAWA MILLING COMPANY, KUTTAWA, KENTUCKY  |         |             |       |            |       |               |
| ** Ground Wheat   | 13.0    | <u>11.5</u> | 2.0   | 1.8        | 2.3   | 2.2**         |
| LA CROSSE MILLING COMPANY, LA CROSSE, WISCONSIN                                     |         |             |       |            |       |               |
| ** Pulverized White Oats<br>Contained mixed screenings                              | 11.0    | 11.7        | 3.0   | 3.7        | 12.8  | <u>13.5**</u> |
| LAKE COUNTY OIL MILL, TIPTONVILLE, TENNESSEE  |         |             |       |            |       |               |
| ** 41% Protein Cottonseed Meal<br>Very much below guarantee in protein              | 41.0    | <u>38.9</u> | 4.0   | 4.7        | 10.0  | <u>11.5**</u> |
| ** 41% Protein Cottonseed Meal  | 41.0    | <u>40.2</u> | 4.0   | 4.4        | 10.0  | 10.2**        |
| LAMKIN BROTHERS, INC., BROWNWOOD, TEXAS   |         |             |       |            |       |               |
| Sur-Pay Green Striped Brand Mineral Concentrate                                     |         |             |       |            |       |               |
| Calcium. . . . .  | 31.8    | 32.7        |       |            |       |               |
| Phosphorus. . . . .   | 4.2     | 4.4         |       |            |       |               |
| Iodine. . . . .   | .001    |             |       |            |       |               |
| Salt. . . . .   | .25     | .30         |       |            |       |               |
| LASWELL MILLING COMPANY, BRODHEAD, KENTUCKY   |         |             |       |            |       |               |
| Wheat Mixed Feed  | 12.0    | 13.9        | 3.5   | 3.4        | 7.0   | 5.1           |
| LAUHOFF GRAIN COMPANY, DANVILLE, ILLINOIS   |         |             |       |            |       |               |
| Vermilion Hominy Feed   | 9.0     | 10.0        | 5.0   | 6.2        | 6.0   | 3.8           |
| LEWISBURG ROLLER MILLS, LEWISBURG, KENTUCKY   |         |             |       |            |       |               |
| ** Coon Range Economy Brand 20% Laying Mash   | 20.0    | <u>19.1</u> | 3.5   | 4.7        | 8.0   | 5.5**         |
| ** Coon Range Brand 16% Dairy Feed  | 16.0    | <u>16.2</u> | 3.0   | <u>2.3</u> | 12.0  | 9.3**         |
| ** Milk Maid Sweet Dairy<br>Excess Urea   | 16.0    | 21.6        | 2.5   | <u>3.0</u> | 10.0  | <u>11.0**</u> |
| ** Coon Range Brand Pork Maker  | 16.0    | <u>15.1</u> | 3.5   | 4.2        | 8.0   | 5.2**         |
| LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY   |         |             |       |            |       |               |
| Thoroughbred Brand Kentucky Queen 20% Protein<br>Egg Mash                           | 20.0    | 21.3        | 4.0   | 4.4        | 8.0   | 5.8           |
| Thoroughbred Brand Kentucky Queen 20% Protein<br>Egg Mash                           | 20.0    | 23.1        | 4.0   | 4.7        | 8.0   | 5.9           |
| Thoroughbred Brand Kentucky Queen 20% Protein<br>Egg Mash                           | 20.0    | 20.6        | 4.0   | 4.7        | 8.0   | 6.3           |
| Thoroughbred Brand 24% Protein Sweet Dairy<br>Feed                                  | 24.0    | 25.2        | 3.0   | 2.8        | 8.0   | 5.9           |
| ** Thoroughbred Brand 24% Protein Sweet Dairy<br>Feed<br>Contained mixed screenings | 24.0    | 25.3        | 3.0   | 2.8        | 8.0   | 6.8**         |
| Thoroughbred Brand 24% Protein Sweet Dairy<br>Feed                                  | 24.0    | 26.2        | 3.0   | 2.8        | 8.0   | 6.3           |
| Sweet Sue 24% Protein Sweet Dairy Feed  | 24.0    | 25.1        | 3.0   | 3.9        | 13.0  | 8.7           |
| Thoroughbred Brand 16% Protein Sweet Dairy<br>Feed                                  | 16.0    | 17.6        | 3.0   | 3.6        | 13.0  | 7.7           |
| Bossie Stock Feed   | 13.0    | 12.8        | 3.0   | 4.1        | 11.0  | 5.5           |
| Bossie Stock Feed   | 13.0    | 12.9        | 3.0   | 4.0        | 11.0  | 5.6           |
| Throughbred Brand 16% Pig and Hog Ration  | 16.0    | 17.4        | 3.0   | 3.7        | 6.0   | 4.4           |
| Screened Cracked Corn   | 8.0     | 7.7         | 3.5   | 3.4        | 3.0   | 1.6           |
| Thoroughbred Wheat Brown Shorts & Screenings  | 15.0    | 15.5        | 4.0   | 4.1        | 7.5   | 6.3           |
| Thoroughbred Wheat Brown Shorts & Screenings  | 15.0    | 14.8        | 4.0   | 4.8        | 7.5   | 5.1           |
| Thoroughbred Wheat Brown Shorts & Screenings  | 15.0    | 15.2        | 4.0   | 4.2        | 7.5   | 5.7           |
| LOFTON 'S MILL, PROVIDENCE, KENTUCKY  |         |             |       |            |       |               |
| Veribest Brand 20% Protein Laying Mash  | 20.0    | 22.0        | 3.5   | 5.1        | 8.0   | 6.0           |
| Veribest Brand Hen Scratch Feed   | 8.0     | 8.5         | 3.0   | 2.7        | 5.0   | 1.6           |
| Farmers 16% Protein Dairy Feed  | 16.0    | 18.2        | 3.0   | 2.9        | 15.0  | 8.6           |

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

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| MANUFACTURER, BRAND AND<br>REMARKS  | Protein |             | Fat   |            | Fiber |        |
|---|---------|-------------|-------|------------|-------|--------|
|   | Guar.   | Found       | Guar. | Found      | Guar. | Found  |
| LOFTON'S MILL, PROVIDENCE, KENTUCKY (Cont'd)  |         |             |       |            |       |        |
| ** Veribest Marketop Brand 19% Protein Pig & Sow<br>Ration<br>Excess Ground Limestone | 19.0    | <u>18.3</u> | 3.0   | 4.9        | 6.0   | 5.7**  |
| L. B. LOVITT & COMPANY, MEMPHIS, TENNESSEE  |         |             |       |            |       |        |
| Lovit Brand 41% Protein Cottonseed Meal   | 41.0    | 41.0        | 4.0   | 4.9        | 13.0  | 11.0   |
| LOWE'S FEED AND HATCHER, BOWLING GREEN, KENTUCKY                                      |         |             |       |            |       |        |
| Blue Ribbon 20% Egg Mash  | 20.0    | 21.9        | 2.5   | 5.1        | 7.0   | 5.4    |
| ** Meat Maker Brand 18% Protein Hog Ration  | 18.0    | 19.4        | 5.0   | <u>3.2</u> | 6.5   | 4.4**  |
| LUXORA GIN COMPANY, LUXORA, ARKANSAS  |         |             |       |            |       |        |
| ** 17% Dehydrated Alfalfa Meal<br>Very much below guarantee in protein<br>Misbranded  | 17.0    | <u>9.1</u>  | 1.5   | 3.0        | 27.0  | 26.0** |
| McCARLEY & RICHARDSON, RUSSELLVILLE, KENTUCKY   |         |             |       |            |       |        |
| Thrifty Pork Builder  | 16.0    | 16.3        | 3.0   | 4.0        | 6.5   | 5.2    |
| J. A. McDONALD & SONS, ROGERSVILLE, TENNESSEE   |         |             |       |            |       |        |
| Mixed Feed  | 11.0    | 11.9        | 4.0   | 7.2        | 9.0   | 6.7    |
| McMILLEN FEED MILLS, FT. WAYNE, INDIANA   |         |             |       |            |       |        |
| Master Mix M-V 38% Broiler Concentrate  | 38.0    | 38.9        | 2.0   | 2.8        | 5.5   | 5.9    |
| Calcium. . . . .  | 2.8     | 4.1         |       |            |       |        |
| Phosphorus. . . . .   | 1.0     | 1.4         |       |            |       |        |
| Iodine. . . . .   | .00035  |             |       |            |       |        |
| Salt. . . . .   | 1.2     | 1.4         |       |            |       |        |
| Master Mix 34% Protein and Mineral Layer<br>Concentrate                               | 34.0    | 33.9        | 1.5   | 1.7        | 9.0   | 6.0    |
| Calcium. . . . .  | 5.0     | 5.4         |       |            |       |        |
| Phosphorus. . . . .   | 2.0     | 1.8         |       |            |       |        |
| Iodine. . . . .   | .0004   |             |       |            |       |        |
| Salt. . . . .   | 1.5     | 1.8         |       |            |       |        |
| Master Mix M-V Breeder Mash   | 20.0    | 22.5        | 2.5   | 3.2        | 7.0   | 5.9    |
| Master Mix Egg Mash   | 20.0    | 22.7        | 2.5   | 3.3        | 7.0   | 6.0    |
| Master Blend 33% Dairy Concentrate  | 33.0    | 35.1        | 2.0   | 1.8        | 9.0   | 6.2    |
| Calcium. . . . .  | 2.4     | 3.9         |       |            |       |        |
| Phosphorus. . . . .   | .70     | 1.0         |       |            |       |        |
| Iodine. . . . .   | .0003   |             |       |            |       |        |
| Salt. . . . .   | 2.5     | 2.2         |       |            |       |        |
| Master Mix 20% Dairy Feed   | 20.0    | 23.4        | 2.5   | 2.6        | 9.0   | 7.1    |
| Master Mix 32% Beef Concentrate   | 32.0    | 32.4        | 1.0   | 1.0        | 7.0   | 5.4    |
| Master Mix Beef Sweets  | 20.0    | 23.2        | 1.5   | 2.4        | 13.0  | 10.0   |
| Master Mix Pastur-Ate Brand 40% Hog Supplement  | 40.0    | 41.5        | 1.0   | 1.2        | 6.0   | 4.4    |
| Master Mix 35% Hog Concentrate  | 35.0    | 34.7        | 1.5   | 1.6        | 9.0   | 7.1    |
| Master Mix M-V Pig-ets Brand Pig Feed   | 18.0    | 18.4        | 3.0   | 3.6        | 5.0   | 4.1    |
| Master Mix Rabbit Pellets   | 15.0    | 15.5        | 2.0   | 3.1        | 16.0  | 10.0   |
| Master Soy 40% Supplement   | 40.0    | 43.4        | .50   | .50        | 6.5   | 4.9    |
| MAGIC FEED MILLS, PAOLI, INDIANA  |         |             |       |            |       |        |
| Magic 25% Protein Dog Food  | 25.0    | 28.0        | 3.5   | 6.4        | 6.0   | 3.2    |
| Magic 25% Protein Dog Food  | 25.0    | 29.2        | 3.5   | 5.8        | 6.0   | 3.6    |
| MARBLEHEAD LIME COMPANY, CHICAGO, ILLINOIS  |         |             |       |            |       |        |
| Marblehead Mineral Dairy Supplement   |         |             |       |            |       |        |
| Calcium. . . . .  | 30.0    | 32.5        |       |            |       |        |
| Phosphorus. . . . .   | 4.0     | 4.1         |       |            |       |        |
| Iodine. . . . .   | .038    |             |       |            |       |        |
| Salt. . . . .   | 10.0    | 10.0        |       |            |       |        |

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



Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                                   | Protein |       | Fat   |       | Fiber |       |
|--|---------|-------|-------|-------|-------|-------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found |
| MASTER FEED AND SEED COMPANY, LOUISVILLE, KENTUCKY                   |         |       |       |       |       |       |
| Gilt Edge Brand 20% Egg Mash   | 20.0    | 20.7  | 2.5   | 3.2   | 7.0   | 5.3   |
| MAYFIELD MILLING COMPANY, MAYFIELD, KENTUCKY                         |         |       |       |       |       |       |
| Jersey Cream Brand 24% Protein Dairy Feed                            | 24.0    | 26.5  | 3.5   | 3.4   | 12.0  | 9.0   |
| White Chester 40% Hog Supplement                                     | 40.0    | 44.2  | 4.5   | 6.0   | 7.0   | 6.0   |
| Kentucky Pride Brand 55% Grain Horse & Mule<br>Feed                  | 10.0    | 11.0  | 3.0   | 3.0   | 13.0  | 12.6  |
| Corn Chop  | 9.0     | 8.6   | 4.0   | 3.6   | 2.0   | 1.8   |
| MAYFIELD SWEET FEED MILL, MAYFIELD, KENTUCKY                         |         |       |       |       |       |       |
| State Leader Brand 40% Protein Hog Supplement                        | 40.0    | 41.4  | 4.0   | 7.0   | 7.0   | 5.8   |
| Calcium. . . . .   | 3.0     | 5.6   |       |       |       |       |
| Phosphorus. . . . .  | 3.0     | 2.6   |       |       |       |       |
| Salt. . . . .  | 3.0     | 3.0   |       |       |       |       |
| State Leader Horse & Mule Feed                                       | 9.0     | 10.0  | 2.0   | 3.5   | 8.0   | 5.7   |
| Brewers Dried Grains   | 24.0    | 28.6  | 4.0   | 6.6   | 19.0  | 12.5  |
| MAYFLOWERMILLS, FORT WAYNE, INDIANA                                  |         |       |       |       |       |       |
| ** Mayflower Wheat Brown Middlings & Screenings<br>Excess screenings | 15.0    | 14.9  | 4.0   | 4.2   | 7.5   | 5.5** |
| MENNEL MILLING COMPANY, TOLEDO, OHIO                                 |         |       |       |       |       |       |
| Memo Wheat Gray Middlings with Screenings                            | 15.0    | 17.5  | 4.0   | 4.8   | 6.0   | 6.2   |
| METZGER BROTHERS, PADUCAH, KENTUCKY                                  |         |       |       |       |       |       |
| Tankage with Bone  | 47.0    | 47.4  | 10.0  | 18.3  | 2.0   | 1.2   |
| MIDDLESBORO MILLING COMPANY, MIDDLESBORO, KENTUCKY                   |         |       |       |       |       |       |
| Reliable Brand 24% Protein Dairy Feed                                | 24.0    | 24.1  | 4.0   | 4.4   | 12.0  | 10.2  |
| Higrade Brand Feed   | 18.0    | 19.7  | 4.0   | 3.7   | 8.5   | 7.0   |
| Hard to Beat Feed  | 13.0    | 13.4  | 3.5   | 3.5   | 8.0   | 6.5   |
| MIDGET MILLS, SOMERSET, KENTUCKY                                     |         |       |       |       |       |       |
| ** Mixed Feed<br>Contained unground weed seeds and corn cob          | 13.0    | 13.6  | 4.0   | 3.6   | 8.5   | 8.6** |
| Mixed Feed   | 13.0    | 12.8  | 4.0   | 4.5   | 8.5   | 5.7   |
| S. E. MIGHTON COMPANY, BEDFORD, OHIO                                 |         |       |       |       |       |       |
| Doggie Dinner Dog Food   | 10.0    | 11.4  | 2.0   | 3.1   | 1.5   | .80   |
| Doggie Dinner Dog Food   | 10.0    | 11.8  | 2.0   | 4.9   | 1.5   | .50   |
| Spot Dog Food  | 10.0    | 9.8   | 2.0   | 2.5   | 1.5   | 1.0   |
| Spot Dog Food  | 10.0    | 9.5   | 2.0   | 2.1   | 1.5   | .90   |
| MILLIKEN SWEET FEED MILL, FRANKLIN, KENTUCKY                         |         |       |       |       |       |       |
| Chowmix Laying Mash  | 15.0    | 14.9  | 3.0   | 4.8   | 6.0   | 3.0   |
| MONROE SWEET FEED MILLS, TOMPKINSVILLE, KENTUCKY                     |         |       |       |       |       |       |
| Ground Snapped Corn and Molasses                                     | 6.5     | 7.5   | 3.0   | 3.0   | 9.0   | 5.5   |
| MOORMAN MANUFACTURING COMPANY, QUINCY, ILLINOIS                      |         |       |       |       |       |       |
| Moorman's Protein & Mineral Poultry Supplement                       | 38.0    | 39.0  | 2.0   | 5.1   | 5.0   | 4.1   |
| Moorman's 40% Protein & Mineral Cow Supplement                       | 40.0    | 41.9  | 2.0   | 3.0   | 7.5   | 6.2   |
| MORGAN PACKING COMPANY, AUSTIN, INDIANA                              |         |       |       |       |       |       |
| King Karlo Dog Food  | 10.0    | 11.1  | 2.5   | 3.1   | 1.0   | .80   |
| MORGANTOWN FEED MILL, MORGANTOWN, KENTUCKY                           |         |       |       |       |       |       |
| ** Flavo Brand 20% Protein Dairy Feed                                | 20.0    | 19.1  | 3.0   | 3.7   | 10.0  | 8.8** |
| Flavo 40% Protein Hog Supplement                                     | 40.0    | 45.1  | 4.0   | 4.0   | 7.5   | 5.2   |
| Flavo Brand Hog Fattener   | 15.0    | 14.7  | 2.5   | 3.8   | 8.0   | 4.8   |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                     | Protein |             | Fat   |       | Fiber |       |
|--|---------|-------------|-------|-------|-------|-------|
|  | Guar.   | Found       | Guar. | Found | Guar. | Found |
| JOHN MORRELL & COMPANY, OTTUMWA, IOWA                  |         |             |       |       |       |       |
| Red Heart Dog Food - Diet A                            | 10.5    | 11.8        | 2.5   | 3.5   | 1.0   | .60   |
| Red Heart Dog Food - Diet B                            | 10.5    | 12.7        | 2.5   | 4.0   | 1.0   | .50   |
| Red Heart Dog Food - Diet C                            | 10.5    | 11.9        | 2.5   | 3.9   | 1.0   | .70   |
| Red Heart Cat Food                                     | 10.5    | 12.2        | 2.5   | 6.2   | 1.0   | .60   |
| MICHAEL VON MOTZECK, SPRINGFIELD, ILLINOIS             |         |             |       |       |       |       |
| Michael Von Motzeck's Dog Food                         | 35.0    | 34.6        | 6.0   | 6.5   | 4.0   | 2.7   |
| MOUNTAIN CITY MILL COMPANY, CHATTANOOGA, TENNESSEE     |         |             |       |       |       |       |
| ** Blue Stock Brand Mixed Feed                         | 11.5    | 13.8        | 2.0   | 5.1   | 12.0  | 9.5** |
| Contained mixed screenings                             |         |             |       |       |       |       |
| MT. VERNON MILLING COMPANY, MT. VERNON, INDIANA        |         |             |       |       |       |       |
| ** Poco Corn By Product Feed                           | 10.0    | <u>8.9</u>  | 5.5   | 5.0   | 6.0   | 2.8** |
| MUNFORDVILLE MILLING COMPANY, MUNFORDVILLE, KENTUCKY   |         |             |       |       |       |       |
| Purity Brand 18% Protein Pig and Sow Feed              | 18.0    | 19.1        | 3.0   | 4.0   | 6.0   | 5.1   |
| MURPHY GRAIN & MILLING COMPANY, OWENSBORO, KENTUCKY    |         |             |       |       |       |       |
| Airolite Scratch Grains                                | 9.0     | 9.7         | 3.0   | 3.1   | 3.5   | 2.0   |
| Airolite Hominy Feed                                   | 10.0    | 9.9         | 7.0   | 6.6   | 6.0   | 5.9   |
| Airolite Hominy Feed                                   | 10.0    | 11.6        | 7.0   | 8.0   | 6.0   | 4.8   |
| MYERS AND CLARK COMPANY, ASHLAND, KENTUCKY             |         |             |       |       |       |       |
| Ideal Brand 18% Protein All-Mash Starter &<br>Grower   | 18.0    | 19.3        | 3.0   | 5.1   | 7.0   | 7.0   |
| Ideal Brand 18% Protein Laying Mash                    | 18.0    | 19.3        | 3.0   | 4.5   | 8.0   | 7.2   |
| NASHVILLE COTTON OIL MILL, NASHVILLE, KENTUCKY         |         |             |       |       |       |       |
| 41% Protein Cottonseed Meal                            | 41.0    | 43.1        | 3.0   | 5.1   | 13.0  | 10.7  |
| 41% Protein Cottonseed Meal                            | 41.0    | 41.0        | 3.0   | 5.5   | 13.0  | 6.8   |
| NATIONAL BISCUIT COMPANY, NEW YORK, NEW YORK           |         |             |       |       |       |       |
| Milk Bone Tiny Bits for Dogs and Cats                  | 21.0    | 23.8        | 1.5   | 3.4   | 2.5   | 1.9   |
| Pal Dog Biscuit (Small Size)                           | 18.5    | 22.2        | 1.0   | 2.1   | 2.5   | 1.9   |
| Namico Wheat Middlings with Screenings                 | 14.0    | 15.4        | 3.5   | 4.5   | 9.0   | 6.5   |
| Namico Wheat Middlings with Screenings                 | 14.0    | 15.6        | 3.5   | 4.6   | 9.0   | 7.1   |
| NATIONAL OATS COMPANY, EAST ST. LOUIS, ILLINOIS        |         |             |       |       |       |       |
| Corno 20% Protein Egg Mash                             | 20.0    | 21.0        | 2.5   | 4.4   | 8.0   | 6.4   |
| Corno 34% Protein Dairy Supplement                     | 34.0    | 36.1        | 3.0   | 3.6   | 12.0  | 8.4   |
| Corno 16 1/2% Protein Dairy Feed                       | 16.5    | 19.5        | 3.0   | 3.3   | 12.5  | 11.4  |
| Corno 26% Protein Sow & Pig Supplement                 | 26.0    | 27.8        | 3.0   | 4.7   | 9.0   | 8.4   |
| Corno 25% Dog Food                                     | 25.0    | 29.9        | 4.0   | 6.2   | 5.0   | 2.6   |
| NATIONAL OATS COMPANY, CEDAR RAPIDS, IOWA              |         |             |       |       |       |       |
| Red 3 Feeding Rolled Oats                              | 15.0    | 17.8        | 5.0   | 6.8   | 3.0   | 1.0   |
| NEUHOFF PACKING COMPANY, NASHVILLE, TENNESSEE          |         |             |       |       |       |       |
| Neuhoff's 50% Protein Meat & Bone Scraps               | 50.0    | 49.9        | 6.0   | 11.5  | 3.0   | 1.5   |
| CHAS. NUNN & SONS MILLING COMPANY, EVANSVILLE, INDIANA |         |             |       |       |       |       |
| Nunn-Better 17% All Mash with Cod Liver Oil            | 17.0    | 17.2        | 2.5   | 4.1   | 6.5   | 6.5   |
| ** Nunn-Better Brand 24% Protein Dairy Feed            | 24.0    | 22.7        | 2.5   | 3.0   | 11.0  | 8.7** |
| Nunn-Better Dog Food                                   | 25.0    | <u>28.1</u> | 3.5   | 5.2   | 6.0   | 4.2   |
| NUTRENA MILLS, INC., MINNEAPOLIS, MINNESOTA            |         |             |       |       |       |       |
| ** Nutrena Egg Mash                                    | 20.0    | <u>17.6</u> | 2.5   | 4.0   | 7.0   | 5.9** |
| Very much below guarantee in protein                   |         |             |       |       |       |       |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                          | Protein |       | Fat   |       | Fiber |        |
|---|---------|-------|-------|-------|-------|--------|
|   | Guar.   | Found | Guar. | Found | Guar. | Found  |
| OELWEIN CHEMICAL COMPANY, OELWEIN, IOWA                     |         |       |       |       |       |        |
| Occo Mineral Supplement for Beef Cattle                     |         |       |       |       |       |        |
| Calcium. . . . .  | 18.0    | 21.8  |       |       |       |        |
| Phosphorus. . . .   | 4.5     | 5.0   |       |       |       |        |
| Iodine. . . . .   | .01     |       |       |       |       |        |
| Salt. . . . .   | 8.0     | 7.1   |       |       |       |        |
| Occo-Lak Mineral Feed                                       |         |       |       |       |       |        |
| Calcium. . . . .  | 19.0    | 19.6  |       |       |       |        |
| Phosphorus. . . .   | .82     | 1.1   |       |       |       |        |
| Iodine. . . . .   | .001    |       |       |       |       |        |
| Salt. . . . .   | 11.0    | 11.5  |       |       |       |        |
| OHIO VALLEY SOYBEAN COOPERATIVE, HENDERSON, KENTUCKY        |         |       |       |       |       |        |
| Cardinal 44% Protein Solvent Extracted Soybean<br>Oil Meal  | 44.0    | 45.6  | .50   | .40   | 7.0   | 5.3    |
| OLDHAM FEED & SUPPLY COMPANY, BUCKNER, KENTUCKY             |         |       |       |       |       |        |
| Power House Brand 16% Hog Fattener                          | 16.0    | 16.7  | 3.0   | 5.4   | 5.0   | 4.5    |
| ORLEANS CANNING COMPANY, CHICAGO, ILLINOIS                  |         |       |       |       |       |        |
| ** Orleans Dog Food<br>High in fat                          | 17.0    | 15.8  | 3.0   | 10.2  | 1.5   | .20    |
| OWENSBORO GRAIN COMPANY, INC., OWENSBORO, KENTUCKY          |         |       |       |       |       |        |
| Ograco 44% Protein Solvent Extracted Soybean<br>Oil Meal    | 44.0    | 47.5  | .50   | .50   | 7.0   | 4.9    |
| ** Ograco 44% Protein Solvent Extracted Soybean<br>Oil Meal | 44.0    | 43.9  | .50   | .70   | 7.0   | 6.8**  |
| Contained wheat middlings                                   |         |       |       |       |       |        |
| Ograco 44% Protein Solvent Extracted Soybean<br>Oil Meal    | 44.0    | 46.6  | .50   | .70   | 7.0   | 5.8    |
| Ograco 44% Protein Solvent Extracted Soybean<br>Oil Meal    | 44.0    | 45.0  | .50   | 1.2   | 7.0   | 7.1    |
| Ograco 44% Protein Solvent Extracted Soybean<br>Oil Meal    | 44.0    | 45.7  | .50   | 1.5   | 7.0   | 5.8    |
| OWENSBORO MILLING COMPANY                                   |         |       |       |       |       |        |
| Tru-Test 20% Laying Mash                                    | 20.0    | 21.2  | 3.0   | 5.7   | 7.5   | 5.0    |
| Tru-Test 20% Laying Mash                                    | 20.0    | 20.6  | 3.0   | 4.9   | 7.5   | 5.6    |
| O-Mil-Co 18% Laying Mash                                    | 18.0    | 19.4  | 2.5   | 3.7   | 6.0   | 4.7    |
| Sugar Lassie Dairy Feed                                     | 16.0    | 20.9  | 2.5   | 2.8   | 15.0  | 10.5   |
| Sugar Lassie Dairy Feed                                     | 16.0    | 17.1  | 2.5   | 2.5   | 15.0  | 10.0   |
| Sugar Lassie Dairy Feed                                     | 16.0    | 18.2  | 2.5   | 2.1   | 15.0  | 8.3    |
| Tru-Test 40% Hog Supplement                                 | 40.0    | 42.3  | 3.0   | 4.6   | 8.0   | 6.1    |
| Tru-Test Dog Food   | 26.0    | 27.4  | 4.5   | 5.6   | 4.5   | 3.3    |
| Ground Oats   | 11.5    | 12.8  | 4.5   | 4.1   | 12.0  | 9.4    |
| O. K. MILLS, LOUISVILLE, KENTUCKY                           |         |       |       |       |       |        |
| ** Balco Horse & Mule Feed                                  | 9.0     | 12.5  | 2.5   | 2.7   | 12.0  | 12.7** |
| PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY                 |         |       |       |       |       |        |
| Green Valley 20% Dairy Feed                                 | 20.0    | 19.6  | 4.0   | 3.7   | 15.0  | 8.8    |
| ** Green Valley 20% Dairy Feed                              | 20.0    | 19.5  | 4.0   | 2.5   | 15.0  | 9.0**  |
| Contained mixed screenings                                  |         |       |       |       |       |        |
| ** Green Valley 20% Dairy Feed                              | 20.0    | 20.1  | 4.0   | 2.3   | 15.0  | 9.2**  |
| Bell Ringer 16% Dairy Feed                                  | 16.0    | 15.7  | 3.0   | 3.9   | 15.0  | 11.0   |
| Bell Ringer 16% Dairy Feed                                  | 16.0    | 16.7  | 3.0   | 3.1   | 15.0  | 11.7   |
| PARAMOUNT FEED MILLS, LOUISVILLE, KENTUCKY                  |         |       |       |       |       |        |
| Paramount 17% Starting and Growing Mash                     | 17.0    | 19.5  | 2.5   | 3.2   | 7.0   | 5.0    |

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

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| MANUFACTURER, BRAND AND<br>REMARKS   | Protein |       | Fat   |       | Fiber |       |
|--|---------|-------|-------|-------|-------|-------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found |
| I. E. PAYNE & COMPANY, EUBANKS, KENTUCKY   |         |       |       |       |       |       |
| ** Farmers Choice Brand 20% Protein Laying Mash<br>Contained unground buckhorn seeds | 20.0    | 19.8  | 3.5   | 3.6   | 7.0   | 8.0** |
| ** Farmers Choice Brand 20% Protein Laying Mash                                      | 20.0    | 18.3  | 3.5   | 3.8   | 7.0   | 7.8   |
| PEDRICK LABORATORIES, SAND SPRINGS, OKLAHOMA   |         |       |       |       |       |       |
| ** Vigo 100 Dog Food   | 20.0    | 18.6  | 5.0   | 7.4   | 1.3   | .20   |
| Vigo Yellow Label Dogs, Puppies, Cats Food   | 7.5     | 9.6   | 2.0   | 3.2   | 1.3   | .60   |
| PEMBROKE ROLLER MILLS, PEMBROKE, KENTUCKY  |         |       |       |       |       |       |
| Scratch Feed   | 9.0     | 10.0  | 3.5   | 3.3   | 2.5   | 2.3   |
| Mixed Feed   | 14.0    | 13.7  | 3.5   | 3.6   | 7.5   | 5.6   |
| PENNINGTON MILLING COMPANY, PENNINGTON GAP, VIRGINIA                                 |         |       |       |       |       |       |
| Blue Bird 14% Protein Stock Feed   | 14.0    | 13.9  | 3.5   | 3.1   | 10.0  | 8.5   |
| PERK DOG FOOD COMPANY, CHICAGO, ILLINOIS   |         |       |       |       |       |       |
| Perk Dog Food  | 12.0    | 13.6  | 2.5   | 4.2   | 1.3   | .90   |
| ** Perk 100% all Horse Meat Dog Food<br>High in fat                                  | 17.5    | 19.0  | 3.5   | 8.6   | 1.0   | .50** |
| Vets' Dog Food   | 10.0    | 10.2  | 2.0   | 1.8   | 1.5   | 1.2   |
| PERFECTION FOODS COMPANY, BATTLE CREEK, MICHIGAN                                     |         |       |       |       |       |       |
| ** Perfection Dog Food<br>Very much below guarantee in protein                       | 20.0    | 17.7  | 3.0   | 3.2   | 5.0   | 3.3** |
| ** Perfection Dog Food   | 20.0    | 18.6  | 3.0   | 3.1   | 5.0   | 3.3** |
| ** Perfection Dog Food<br>Very much below guarantee in protein                       | 20.0    | 17.6  | 3.0   | 3.4   | 5.0   | 1.5** |
| PILLSBURY MILLS, INC., LOUISVILLE, KENTUCKY  |         |       |       |       |       |       |
| Pillsbury's Best XXXX Broiler Mash   | 20.0    | 20.8  | 3.0   | 3.0   | 4.0   | 4.3   |
| Calcium. . . . .   | 1.2     | 1.5   |       |       |       |       |
| Phosphorus. . . . .  | .60     | .70   |       |       |       |       |
| Salt. . . . .  | .30     | .40   |       |       |       |       |
| Pillsbury's Best Laying Mash   | 20.0    | 20.6  | 3.5   | 3.6   | 8.0   | 7.4   |
| Calcium. . . . .   | 1.8     | 1.7   |       |       |       |       |
| Phosphorus. . . . .  | .70     | .90   |       |       |       |       |
| Iodine. . . . .  | .0005   |       |       |       |       |       |
| Salt. . . . .  | 1.0     | .70   |       |       |       |       |
| Pillsbury's Champion Egg Producer  | 20.0    | 22.3  | 3.5   | 3.9   | 8.0   | 7.2   |
| Calcium. . . . .   | 1.8     | 2.3   |       |       |       |       |
| Phosphorus. . . . .  | .70     | 1.2   |       |       |       |       |
| Iodine. . . . .  | .0005   |       |       |       |       |       |
| Salt. . . . .  | 1.0     | .90   |       |       |       |       |
| Pillsbury's Champion Egg Producer  | 20.0    | 24.4  | 3.5   | 3.5   | 8.0   | 6.9   |
| Calcium. . . . .   | 1.8     | 3.1   |       |       |       |       |
| Phosphorus. . . . .  | .70     | 3.2   |       |       |       |       |
| Iodine. . . . .  | .0005   |       |       |       |       |       |
| Salt. . . . .  | 1.0     | 1.0   |       |       |       |       |
| Pillsbury's Champion Egg Producer  | 20.0    | 21.6  | 3.5   | 3.6   | 8.0   | 7.2   |
| Calcium. . . . .   | 1.8     | 2.3   |       |       |       |       |
| Phosphorus. . . . .  | .70     | 1.2   |       |       |       |       |
| Iodine. . . . .  | .0005   |       |       |       |       |       |
| Salt. . . . .  | 1.0     | .80   |       |       |       |       |
| Pillsbury's Champion Egg Producer  | 20.0    | 21.5  | 3.5   | 3.3   | 8.0   | 7.4   |
| Calcium. . . . .   | 1.8     | 2.2   |       |       |       |       |
| Phosphorus. . . . .  | .70     | 1.0   |       |       |       |       |
| Iodine. . . . .  | .0005   |       |       |       |       |       |
| Salt. . . . .  | 1.0     | .80   |       |       |       |       |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS             | Protein |       | Fat   |       | Fiber |       |
|--|---------|-------|-------|-------|-------|-------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found |
| PILLSBURY MILLS, INC. (Cont'd)                 |         |       |       |       |       |       |
| Pillsbury's Champion Egg Producer              | 20.0    | 22.8  | 3.5   | 3.8   | 8.0   | 7.3   |
| Calcium. . . . .                               | 1.8     | 1.3   |       |       |       |       |
| Phosphorus. . . . .                            | .70     | 1.0   |       |       |       |       |
| Salt. . . . .                                  | 1.0     | .99   |       |       |       |       |
| Pillsbury's Best Corn and Wheat Scratch Grains | 8.0     | 9.4   | 2.5   | 2.1   | 3.0   | 1.4   |
| Pillsbury's Best 32% Dairy Concentrate         | 32.0    | 35.4  | 1.5   | 1.2   | 9.0   | 6.5   |
| Calcium. . . . .                               | 3.0     | 2.8   |       |       |       |       |
| Phosphorus. . . . .                            | 1.3     | .90   |       |       |       |       |
| Iodine. . . . .                                | 0.0008  |       |       |       |       |       |
| Salt. . . . .                                  | 1.5     | 1.4   |       |       |       |       |
| Pillsbury's Best 32% Dairy Concentrate         | 32.0    | 34.7  | 1.5   | 2.3   | 9.0   | 6.8   |
| Calcium. . . . .                               | 3.0     | 3.5   |       |       |       |       |
| Phosphorus. . . . .                            | 1.3     | 1.3   |       |       |       |       |
| Iodine. . . . .                                | .0008   |       |       |       |       |       |
| Salt. . . . .                                  | 1.5     | 1.9   |       |       |       |       |
| Insurance 24% Milk Producer                    | 24.0    | 25.3  | 3.0   | 2.9   | 11.0  | 6.6   |
| Pillsbury's Champion 24% Milk Producer         | 24.0    | 27.6  | 3.0   | 3.7   | 11.0  | 6.5   |
| Pillsbury's Champion 24% Milk Producer         | 24.0    | 25.2  | 3.0   | 2.8   | 11.0  | 8.2   |
| Pillsbury's Champion 24% Milk Producer         | 24.0    | 25.1  | 3.0   | 2.7   | 11.0  | 7.3   |
| Pillsbury's Champion 24% Milk Producer         | 24.0    | 25.3  | 3.0   | 3.0   | 11.0  | 6.9   |
| Insurance 24% Milk Producer                    | 24.0    | 25.8  | 3.0   | 3.0   | 11.0  | 7.8   |
| Balco 24% Dairy Feed                           | 24.0    | 24.1  | 3.0   | 2.5   | 15.0  | 8.9   |
| Pillsbury's Best 20% Dairy Feed                | 20.0    | 21.7  | 3.0   | 3.2   | 9.0   | 6.3   |
| Pillsbury's Best 20% Dairy Feed                | 20.0    | 23.3  | 3.0   | 2.8   | 9.0   | 6.5   |
| Pillsbury's Champion 20% Milk Producer         | 20.0    | 23.4  | 3.0   | 3.6   | 11.0  | 9.1   |
| Pillsbury's Best 16% Dairy Feed                | 16.0    | 19.2  | 3.0   | 3.2   | 9.0   | 6.2   |
| Insurance 16% Milk Producer                    | 16.0    | 16.7  | 3.0   | 4.2   | 12.0  | 11.1  |
| Dutch Maid 16% Dairy Feed                      | 16.0    | 16.8  | 3.0   | 3.1   | 15.0  | 11.7  |
| Pillsbury's Best 14% Fitting Feed              | 14.0    | 15.0  | 3.0   | 4.3   | 9.0   | 7.7   |
| Pillsbury's Best Heavy Grain Horse Feed        | 9.0     | 9.4   | 2.5   | 2.3   | 9.0   | 4.5   |
| Pillsbury's Best Horse Feed                    | 10.0    | 11.3  | 2.5   | 2.9   | 10.0  | 5.8   |
| Pillsbury's Best 40% Pig & Sow Supplement      | 40.0    | 40.0  | 1.5   | 2.0   | 8.0   | 5.7   |
| Calcium. . . . .                               | 3.0     | 3.9   |       |       |       |       |
| Phosphorus. . . . .                            | 1.0     | 1.4   |       |       |       |       |
| Iodine. . . . .                                | .0007   |       |       |       |       |       |
| Salt. . . . .                                  | 1.5     | 1.6   |       |       |       |       |
| Pillsbury's Best 36% Pig & Sow Supplement      | 36.0    | 35.6  | 1.5   | 2.8   | 8.0   | 6.9   |
| Calcium. . . . .                               | 3.0     | 2.8   |       |       |       |       |
| Phosphorus. . . . .                            | 1.0     | .50   |       |       |       |       |
| Iodine. . . . .                                | .0007   |       |       |       |       |       |
| Salt. . . . .                                  | 1.5     | 1.5   |       |       |       |       |
| Pillsbury's Best Pig and Sow Ration            | 18.0    | 19.5  | 3.0   | 4.1   | 6.0   | 6.0   |
| Pillsbury's Best Pig and Sow Ration            | 18.0    | 20.0  | 3.0   | 3.6   | 6.0   | 5.2   |
| Pillsbury's Champion Hog and Sow Ration        | 18.0    | 19.1  | 3.0   | 3.1   | 8.0   | 6.8   |
| Pillsbury's Champion Pork Builder              | 14.0    | 16.0  | 3.0   | 3.7   | 8.0   | 6.3   |
| Pillsbury's Champion Pork Builder              | 14.0    | 16.5  | 3.0   | 3.4   | 8.0   | 7.0   |
| Pillsbury's Champion Pork Builder              | 14.0    | 17.2  | 3.0   | 3.1   | 8.0   | 6.3   |
| Pillsbury's Champion Pork Builder              | 14.0    | 15.8  | 3.0   | 3.6   | 8.0   | 6.4   |
| Pillsbury's Best Pig Feast Brand Pig Starter   | 18.0    | 18.5  | 3.5   | 3.2   | 5.5   | 4.5   |
| Calcium. . . . .                               | 1.1     | 1.7   |       |       |       |       |
| Phosphorus. . . . .                            | .70     | .80   |       |       |       |       |
| Iodine. . . . .                                | .0003   |       |       |       |       |       |
| Salt. . . . .                                  | .50     | .60   |       |       |       |       |
| ** Pillsbury's Best Dog Food                   | 24.0    | 26.3  | 5.5   | 4.7   | 4.0   | 4.1** |
| PRINCETON MILLS, PRINCETON, KENTUCKY           |         |       |       |       |       |       |
| Chowmix Laying Feed (All Mash)                 | 15.0    | 16.0  | 3.0   | 3.5   | 7.0   | 3.1   |
| ** Chowmix 16% Dairy Feed                      | 16.0    | 13.4  | 3.0   | 3.6   | 12.0  | 7.4   |
| Very much below guarantee in protein           |         |       |       |       |       |       |
| Contained corn cob - shuck                     |         |       |       |       |       |       |
| Chowmix 16% Dairy Feed B                       | 16.0    | 18.2  | 3.0   | 3.1   | 15.0  | 5.8   |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                 | Protein |             | Fat   |            | Fiber |               |
|--|---------|-------------|-------|------------|-------|---------------|
|  | Guar.   | Found       | Guar. | Found      | Guar. | Found         |
| PROVICO FEEDS, AND CONCENTRATE, CINCINNATI, OHIO   |         |             |       |            |       |               |
| Provico 24% Protein Starter & Broiler Mash         | 24.0    | 24.3        | 3.5   | 3.9        | 6.0   | 4.3           |
| Provico Big V 20% Egg Mash                         | 20.0    | 20.0        | 3.0   | 4.8        | 8.0   | 7.2           |
| Provico Big V 20% Egg Mash                         | 20.0    | 20.4        | 3.0   | 5.6        | 8.0   | 6.2           |
| Provico Big V Brand 24% Protein Dairy Feed         | 24.0    | 24.1        | 2.5   | 4.1        | 12.0  | 9.0           |
| Provico Dog Food                                   | 24.0    | 26.7        | 4.5   | 7.5        | 4.0   | 3.9           |
| Pulverized White Oats                              | 12.0    | 13.0        | 3.0   | 4.1        | 12.0  | 9.1           |
| PURCELL SEED COMPANY, EVANSVILLE, INDIANA          |         |             |       |            |       |               |
| Purcell 20% Laying Mash                            | 20.0    | 20.1        | 2.5   | 3.3        | 7.0   | 4.7           |
| ** Purcell's 18% Poultry Mash (with Cod Liver Oil) | 18.0    | 17.3        | 3.0   | 4.0        | 5.0   | 4.2**         |
| ** Judge Brand 40% Protein Shoat & Hog Supplement  | 40.0    | <u>37.5</u> | 2.0   | 3.6        | 8.0   | 6.8**         |
| Very much below guarantee in protein               |         |             |       |            |       |               |
| Calcium. . . . .                                   | 2.0     | 4.7         |       |            |       |               |
| Phosphorus. . . . .                                | 1.0     | 1.0         |       |            |       |               |
| Iodine. . . . .                                    | .0035   |             |       |            |       |               |
| Salt   | 1.0     | 1.2         |       |            |       |               |
| Purcell's 20% Protein Pig & Sow Ration             | 20.0    | 20.5        | 3.5   | 3.5        | 6.0   | 4.7           |
| Calcium. . . . .                                   | 2.5     | 3.4         |       |            |       |               |
| Phosphorus. . . . .                                | .70     | .70         |       |            |       |               |
| Iodine. . . . .                                    | .0035   |             |       |            |       |               |
| Salt. . . . .                                      | 1.0     | 1.1         |       |            |       |               |
| Purcell's Rabbit Pellets                           | 17.0    | 18.1        | 3.0   | 2.8        | 15.0  | 13.9          |
| QUAKER OATS COMPANY, CHICAGO, ILLINOIS             |         |             |       |            |       |               |
| Ful-O-Pep Brand 20% Laying Mash                    | 20.0    | 20.0        | 3.0   | 4.7        | 8.0   | 7.5           |
| Ful-O-Pep Brand Calf Starter                       | 20.0    | 20.6        | 3.5   | 4.3        | 8.0   | 6.7           |
| ** Ken-L-Ration Dog Food                           | 10.0    | 12.4        | 2.5   | <u>8.1</u> | 1.0   | .40**         |
| High in fat  |         |             |       |            |       |               |
| RAGLAND MILLING COMPANY, GOODMAN, MISSOURI         |         |             |       |            |       |               |
| ** Alfisol 40-60 Dry Mix                           | 22.0    | 28.0        | 2.0   | 6.1        | 16.0  | <u>18.0**</u> |
| Very much above guarantee in fiber                 |         |             |       |            |       |               |
| C. B. RAGLAND COMPANY, NASHVILLE, TENNESSEE        |         |             |       |            |       |               |
| Mitsie Dog Food                                    | 10.0    | 11.3        | 2.0   | 2.5        | 1.5   | 1.0           |
| Mitsie Dog Food                                    | 10.0    | 11.5        | 2.0   | 1.9        | 1.5   | 1.2           |
| RAFFERTY AND VOWELS, CHARLESTON, MISSOURI          |         |             |       |            |       |               |
| 17% Dehydrated Alfalfa Meal                        | 17.0    | 18.3        | 2.0   | 3.1        | 27.0  | 26.1          |
| RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI        |         |             |       |            |       |               |
| Purina Turkey Fatena (Complete Finisher Ration)    | 15.5    | 18.0        | 2.5   | 3.8        | 8.0   | 5.0           |
| Purina Layena (Complete Ration)                    | 15.5    | 16.9        | 3.0   | 3.6        | 6.0   | 4.4           |
| Purina Lay Chow                                    | 20.0    | 20.9        | 2.5   | 3.6        | 6.5   | 5.0           |
| Purina Flock Chow                                  | 18.0    | 19.1        | 2.5   | 3.6        | 8.0   | 5.6           |
| Purina Poultry Booster Checkers                    | 24.0    | 24.6        | 2.5   | 3.3        | 8.0   | 5.4           |
| Purina Cow Chow 32% Protein & Mineral Concentrate  | 32.0    | 33.3        | 1.5   | 3.2        | 9.0   | 7.7           |
| Purina Cow Chow 32% Protein & Mineral Concentrate  | 32.0    | 32.8        | 1.5   | 3.4        | 9.0   | 7.5           |
| Calcium. . . . .                                   | 3.0     | 3.2         |       |            |       |               |
| Phosphorus. . . . .                                | 1.0     | 1.4         |       |            |       |               |
| Iodine. . . . .                                    | .00035  |             |       |            |       |               |
| Salt. . . . .                                      | 2.3     | 2.0         |       |            |       |               |
| Purina Cow Chow 32% Protein & Mineral Concentrate  | 32.0    | 35.6        | 1.5   | 1.8        | 9.0   | 5.2           |
| Calcium. . . . .                                   | 3.0     | 2.9         |       |            |       |               |
| Phosphorus. . . . .                                | 1.0     | 1.3         |       |            |       |               |
| Iodine. . . . .                                    | .00035  |             |       |            |       |               |
| Salt. . . . .                                      | 2.3     | 2.2         |       |            |       |               |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                   | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI (Cont'd) |         |       |       |       |       |        |
| ** Purina Cow Chow Supplement                        | 24.0    | 25.5  | 2.5   | 4.4   | 11.0  | 9.0**  |
| Calcium. . . . .                                     | 2.0     | 0.5   |       |       |       |        |
| Phosphorus. . . . .                                  | .90     | .90   |       |       |       |        |
| Iodine. . . . .                                      | .00035  |       |       |       |       |        |
| Salt. . . . .  | 2.3     | 2.0   |       |       |       |        |
| Purina Milk Chow                                     | 16.0    | 17.8  | 3.0   | 3.0   | 12.0  | 6.9    |
| ** Purina Milk Chow                                  | 16.0    | 17.1  | 3.0   | 2.4   | 12.0  | 5.8**  |
| Purina Dry & Freshening Chow                         | 12.5    | 14.8  | 2.5   | 3.3   | 12.0  | 8.4    |
| Purina Dry & Freshening Chow                         | 12.5    | 14.6  | 2.5   | 3.7   | 12.0  | 9.0    |
| ** Purina Range Checkers A                           | 20.0    | 18.0  | 2.5   | 3.7   | 8.0   | 4.9**  |
| Very much below guarantee in protein                 |         |       |       |       |       |        |
| Purina Steer Fatena K                                | 20.0    | 19.6  | 2.5   | 3.6   | 10.0  | 4.4    |
| Purina Steer Fatena K                                | 20.0    | 23.6  | 2.5   | 2.6   | 10.0  | 5.6    |
| Purina Steer Fatena K                                | 20.0    | 22.5  | 2.5   | 2.8   | 10.0  | 5.7    |
| Purina Fat Calf Chow                                 | 14.0    | 16.6  | 2.5   | 3.1   | 8.0   | 6.0    |
| Purina Omolene                                       | 10.0    | 12.3  | 3.0   | 3.6   | 11.0  | 6.3    |
| Purina Lamb Creep Chow                               | 14.0    | 17.5  | 2.5   | 3.2   | 8.0   | 6.6    |
| ** Purina Hog Chow Supplement                        | 36.0    | 36.7  | 2.0   | 2.5   | 10.0  | 6.1**  |
| Calcium. . . . .                                     | 4.0     | 2.4   |       |       |       |        |
| Phosphorus. . . . .                                  | 1.8     | 1.0   |       |       |       |        |
| Iodine. . . . .                                      | .0003   |       |       |       |       |        |
| Salt. . . . .  | 1.8     | 1.4   |       |       |       |        |
| Purina Complete Sow & Pig Chow                       | 16.0    | 18.1  | 2.5   | 3.8   | 6.0   | 4.6    |
| Purina Hog Fatena                                    | 14.0    | 16.1  | 2.5   | 3.7   | 7.0   | 3.6    |
| Purina Dog Chow Kibbles Meal                         | 24.0    | 28.8  | 5.0   | 7.3   | 5.0   | 5.0    |
| Purina Dog Chow Kibbles Meal                         | 24.0    | 26.5  | 5.0   | 8.5   | 5.0   | 4.8    |
| RANDOLPH MILLING COMPANY, BANDANA, KENTUCKY          |         |       |       |       |       |        |
| Wheat Feed with Screenings (Low Protein)             | 11.8    | 14.1  | 2.8   | 2.9   | 6.3   | 5.2    |
| REELFOOT ALFALFA MILL, TIPTONVILLE, TENNESSEE        |         |       |       |       |       |        |
| ** 17% Alfalfa Meal Dehydrated                       | 17.0    | 14.0  | 1.5   | 3.0   | 27.0  | 21.6** |
| Very much below guarantee in protein                 |         |       |       |       |       |        |
| LLOYD REITERMAN, KINGSTON, OHIO                      |         |       |       |       |       |        |
| Steel Cut Corn                                       | 8.0     | 8.6   | 3.5   | 3.6   | 3.0   | 1.9    |
| RINGGOLD MILLING COMPANY, CLARKSVILLE, TENNESSEE     |         |       |       |       |       |        |
| High Standard Brand Mixed Feed                       | 13.0    | 14.6  | 3.0   | 4.0   | 8.0   | 5.4    |
| RIVAL PACKING COMPANY, CHICAGO, ILLINOIS             |         |       |       |       |       |        |
| Rival Dog Food                                       | 11.0    | 10.7  | 2.0   | 1.7   | 1.0   | .80    |
| RIVER BRAND RICE MILLS, MEMPHIS, TENNESSEE           |         |       |       |       |       |        |
| ** Rice Bran   | 12.0    | 10.1  | 12.0  | 9.0   | 12.0  | 14.1** |
| Below guarantee in protein and fat                   |         |       |       |       |       |        |
| Very much above guarantee in fiber                   |         |       |       |       |       |        |
| ROBERTS BROTHERS, BURLINGTON, KENTUCKY               |         |       |       |       |       |        |
| Unique Brand 18% Protein Egg Mash                    | 18.0    | 18.7  | 3.0   | 4.3   | 7.0   | 6.9    |
| ROBINSON MILLING COMPANY, SOMERSET, KENTUCKY         |         |       |       |       |       |        |
| Booster 20% Laying Mash                              | 20.0    | 20.4  | 3.5   | 3.8   | 7.0   | 6.8    |
| Sun Ray 20% Egg and Breeder Mash                     | 20.0    | 20.5  | 3.5   | 4.5   | 7.0   | 5.5    |
| Sun Ray Brand Scratch Feed                           | 9.0     | 8.6   | 3.0   | 3.5   | 3.5   | 1.8    |
| Sun Ray 40% Hog Supplement                           | 40.0    | 41.8  | 2.5   | 2.1   | 7.0   | 6.1    |
| ** Booster Hog Feed (Fattening)                      | 17.0    | 16.1  | 3.5   | 4.2   | 8.0   | 6.6**  |
| ** Booster Hog Feed (Fattening)                      | 17.0    | 15.4  | 3.5   | 4.1   | 8.0   | 7.3**  |
| Contained weed seeds                                 |         |       |       |       |       |        |
| Jersey Mixed Feed                                    | 13.0    | 13.1  | 4.5   | 5.9   | 9.0   | 6.2    |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                         | Protein |             | Fat   |            | Fiber |              |
|--|---------|-------------|-------|------------|-------|--------------|
|  | Guar.   | Found       | Guar. | Found      | Guar. | Found        |
| G. P. ROSE & COMPANY, NASHVILLE, TENNESSEE                 |         |             |       |            |       |              |
| Rose's Triumph 24% Dog Feed                                | 24.0    | 24.4        | 7.0   | 7.5        | 5.0   | 2.8          |
| Rose's Triumph 24% Dog Feed                                | 24.0    | 24.2        | 7.0   | 7.3        | 5.0   | 2.8          |
| ROSS FEED COMPANY, MURRAY, KENTUCKY                        |         |             |       |            |       |              |
| Standard Brand Wheat Bran and Screenings                   | 14.5    | 17.5        | 4.0   | 4.8        | 9.5   | 7.4          |
| ROYAL ANIMAL FOODS, INC., HOUSTON, TEXAS                   |         |             |       |            |       |              |
| ** Royal 90% Meat Dog Food                                 | 18.0    | <u>14.5</u> | 4.0   | <u>2.2</u> | 1.5   | .40**        |
| Very much below guarantee in protein and fat<br>Mi branded |         |             |       |            |       |              |
| ** Royal L ver Dog Food                                    | 18.0    | <u>13.8</u> | 4.0   | <u>2.0</u> | 1.5   | .40**        |
| Very much below guarantee in protein and fat<br>Misbranded |         |             |       |            |       |              |
| RUSSELL-MILLER MILLING COMPANY, MINNEAPOLIS, MINNESOTA     |         |             |       |            |       |              |
| Occident Sweet-Sixteen Dairy Feed                          | 16.0    | 18.8        | 2.5   | 3.0        | 9.0   | 7.4          |
| Producer 16% Dairy Feed                                    | 16.0    | 18.5        | 3.0   | 2.6        | 12.0  | 10.4         |
| SALT LICK MILLING COMPANY, SALT LICK, KENTUCKY             |         |             |       |            |       |              |
| ** X Mixed Feed  | 14.0    | <u>10.7</u> | 3.5   | 4.7        | 6.0   | 5.6          |
| Very much below guarantee in protein                       |         |             |       |            |       |              |
| SCHULTZ, BAUJAN AND COMPANY, BEARDSTOWN, ILLINOIS          |         |             |       |            |       |              |
| Critic All Mash Laying Ration                              | 16.0    | 17.7        | 3.0   | 4.8        | 8.0   | 5.9          |
| Critic 28% Pig and Hog Supplement                          | 28.0    | 29.3        | 3.0   | 4.4        | 7.5   | 7.1          |
| Critic Brand 25% Protein Dog Food                          | 25.0    | 28.6        | 3.5   | 4.7        | 5.0   | 3.4          |
| SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI           |         |             |       |            |       |              |
| Gristo Wheat Mixed Feed with Screenings                    | 14.5    | 16.5        | 3.5   | 4.3        | 9.5   | 7.2          |
| SCIENTIFIC MILLING COMPANY, EAST ST. LOUIS, MISSOURI       |         |             |       |            |       |              |
| Scientific 16% Dairy Feed                                  | 16.0    | 18.4        | 3.0   | 4.0        | 15.0  | 15.5         |
| W. N. SCOVILLE, LONDON, KENTUCKY                           |         |             |       |            |       |              |
| Farm Feed  | 12.0    | 15.1        | 2.0   | 3.4        | 6.0   | 4.6          |
| SEARLE GRAIN COMPANY, MINNEAPOLIS, MINNESOTA               |         |             |       |            |       |              |
| Pulverized Screenings                                      | 13.0    | 12.5        | 5.0   | 6.9        | 17.0  | 16.8         |
| ** Pulverized Screenings                                   | 13.0    | 13.1        | 5.0   | 7.2        | 17.0  | 16.5**       |
| Contained a lot of chaff and dust                          |         |             |       |            |       |              |
| SECURITY MILLS, KNOXVILLE, TENNESSEE                       |         |             |       |            |       |              |
| Security Brand 20% Protein Egg Mash                        | 20.0    | 23.4        | 3.5   | 3.5        | 8.0   | 5.0          |
| SHEPHERDSVILLE FEED MILL, SHEPHERDSVILLE, KENTUCKY         |         |             |       |            |       |              |
| ** Silver Leaf Brand 18% Pig and Sow Ration                | 18.0    | 18.5        | 3.5   | 4.3        | 6.0   | <u>6.6**</u> |
| SIMPSON BROTHERS FEED MILL, COLUMBIA, KENTUCKY             |         |             |       |            |       |              |
| Atomic Brand 16% Dairy Feed                                | 16.0    | 19.1        | 3.0   | 4.1        | 10.0  | 8.4          |
| SKIPPER DOG FOOD COMPANY, MAYFIELD, KENTUCKY               |         |             |       |            |       |              |
| ** Skipper 100% Horse Meat for Dogs and Cats               | 17.8    | 18.2        | .42   | 3.0        | .19   | .60**        |
| High in water  |         |             |       |            |       |              |
| SLAUGHTERS MILLING COMPANY, SLAUGHTERS, KENTUCKY           |         |             |       |            |       |              |
| Mixed Feed   | 12.0    | 13.7        | 4.0   | 5.2        | 8.8   | 5.6          |
| Wheat Mixed Feed & Screenings                              | 13.5    | 14.2        | 3.0   | 3.3        | 8.5   | 4.9          |
| J. ALLEN SMITH & COMPANY, KNOXVILLE, TENNESSEE             |         |             |       |            |       |              |
| Peerless Brand Feed  | 13.5    | 15.9        | 3.5   | 3.8        | 8.5   | 7.3          |

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



Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                            | Protein |       | Fat   |       | Fiber |        |
|---|---------|-------|-------|-------|-------|--------|
|   | Guar.   | Found | Guar. | Found | Guar. | Found  |
| THE SOUTHERN COTTON OIL COMPANY, DECATUR, ALABAMA             |         |       |       |       |       |        |
| ** High Grade Brand 41% Protein Cottonseed Meal               | 41.0    | 40.9  | 6.0   | 5.8   | 10.0  | 11.4** |
| SOUTHERN CANNING COMPANY, HOUSTON, TEXAS                      |         |       |       |       |       |        |
| ** Sweetheart Dog Food  | 16.0    | 11.2  | 4.0   | .60   | 1.5   | 1.2**  |
| Very much below guarantee in protein and fat<br>High in water |         |       |       |       |       |        |
| ** Best Breed Dog Food  | 8.0     | 8.2   | 2.0   | .70   | 1.3   | 1.5**  |
| Pet-Agree Dog Food  | 8.0     | 9.2   | 2.0   | 1.7   | 1.3   | 1.5    |
| Top Kick Dog and Cat Food                                     | 8.0     | 9.1   | 2.0   | 2.2   | 1.3   | 1.6    |
| SPRATT'S PATENT (AMERICAN) LTD., NEWARK, NEW JERSEY           |         |       |       |       |       |        |
| Spratt's Assosted Dog Biscuits                                | 21.0    | 20.6  | 3.0   | 2.6   | 1.0   | 1.3    |
| A. E. STALEY MANUFACTURING COMPANY, DECATUR, ILLINOIS         |         |       |       |       |       |        |
| Staley's 44% Protein Solvent Extracted Soybean<br>Oil Meal    | 44.0    | 47.6  | .50   | .70   | 7.0   | 5.9    |
| STALEY MILLING COMPANY, KANSAS CITY, MISSOURI                 |         |       |       |       |       |        |
| Four Bells Atoms Brand Egg Producer                           | 20.0    | 20.3  | 2.5   | 3.7   | 8.0   | 6.3    |
| Four Bells 16% Dairy Feed                                     | 16.0    | 17.1  | 2.5   | 2.0   | 13.5  | 6.6    |
| ** Karmels "A" Meal for Cattle                                | 32.0    | 34.2  | 2.5   | 1.9   | 9.0   | 7.8**  |
| STANDARD MILLING COMPANY, ELKTON, KENTUCKY                    |         |       |       |       |       |        |
| Bob White Scratch Feed  | 9.0     | 9.7   | 3.0   | 2.7   | 5.0   | 1.7    |
| STANDARD FEED MILLING COMPANY, ATLANTA, GEORGIA               |         |       |       |       |       |        |
| Super Quality Brand All Mash Laying Feed                      | 17.0    | 20.3  | 2.5   | 3.8   | 8.0   | 8.3    |
| K-Y Brand 16% Dairy Feed                                      | 16.0    | 17.5  | 2.5   | 2.1   | 10.0  | 7.6    |
| Super Quality Brand 40% Hog Supplement                        | 40.0    | 40.3  | 1.5   | 5.8   | 8.0   | 4.5    |
| Kin Dog Food  | 24.0    | 24.4  | 3.5   | 6.1   | 5.5   | 4.0    |
| Wheat Gray Shorts and Screenings                              | 16.0    | 16.1  | 4.0   | 4.4   | 6.0   | 5.7    |
| STANDARD MILLS, HUNTINGTON, WEST VIRGINIA                     |         |       |       |       |       |        |
| Rainbow 24% Dairy Feed  | 24.0    | 25.9  | 2.5   | 3.1   | 15.0  | 12.8   |
| STURGIS MILLING COMPANY, STURGIS, KENTUCKY                    |         |       |       |       |       |        |
| Neva-Fail Vim Brand 21% Egg Mash                              | 21.0    | 22.5  | 2.5   | 3.9   | 6.5   | 6.0    |
| ** Neva-Fail Scratch Feed                                     | 8.0     | 8.9   | 3.5   | 2.8   | 4.0   | 1.8**  |
| ** Neva-Fail 24% Dairy Feed                                   | 24.0    | 23.7  | 4.0   | 3.4   | 12.0  | 8.2**  |
| ** Neva-Fail 24% Dairy Feed                                   | 24.0    | 22.4  | 4.0   | 4.1   | 12.0  | 9.2**  |
| Corn Feed Meal  | 8.5     | 9.5   | 4.0   | 5.5   | 4.5   | 2.2    |
| Ground Wheat  | 10.0    | 11.7  | 2.0   | 2.7   | 3.0   | 2.6    |
| SUNRISE ROLLER MILLS, CYNTHIANA, KENTUCKY                     |         |       |       |       |       |        |
| Mixed Feed  | 14.5    | 15.6  | 3.0   | 3.4   | 6.0   | 6.1    |
| SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY                   |         |       |       |       |       |        |
| Sun-Ray 24% Dairy Feed  | 24.0    | 25.4  | 4.5   | 5.3   | 10.0  | 10.1   |
| Sun-Ray 24% Sweet Dairy Feed                                  | 24.0    | 23.6  | 4.0   | 3.9   | 10.0  | 7.1    |
| Booster Brand 16% Stock Feed                                  | 16.0    | 15.8  | 3.5   | 5.0   | 9.0   | 7.5    |
| Booster Brand 16% Stock Feed                                  | 16.0    | 15.8  | 3.5   | 5.4   | 9.0   | 7.3    |
| ** Booster Brand 18% Protein Pig & Hog Feed                   | 18.0    | 18.4  | 4.0   | 5.4   | 7.0   | 5.9**  |
| Contained mixed screenings                                    |         |       |       |       |       |        |
| Booster Brand 18% Protein Pig & Hog Feed                      | 18.0    | 19.4  | 4.0   | 5.6   | 7.0   | 6.1    |
| Booster Brand 18% Protein Pig & Hog Feed                      | 18.0    | 19.7  | 4.0   | 5.7   | 7.0   | 6.3    |
| SUN RAY FEED MILLS, LEXINGTON, KENTUCKY                       |         |       |       |       |       |        |
| Sun Ray 20% Egg Mash  | 20.0    | 19.5  | 3.5   | 3.7   | 7.0   | 6.5    |
| Green Valley 24% Dairy Feed                                   | 24.0    | 25.4  | 3.5   | 3.6   | 14.0  | 11.4   |
| Green Valley 24% Dairy Feed                                   | 24.0    | 25.0  | 3.5   | 3.4   | 14.0  | 13.0   |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                 | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| SUN RAY FEED MILLS, LEXINGTON, KENTUCKY (Cont'd)   |         |       |       |       |       |        |
| ** Green Valley 24% Dairy Feed                     | 24.0    | 26.1  | 3.5   | 2.8*  | 14.0  | 12.2** |
| Sun Ray Special 20% Dairy Feed                     | 20.0    | 21.5  | 3.5   | 3.1   | 8.0   | 6.1    |
| Green Valley 16% Dairy Feed                        | 16.0    | 16.1  | 3.0   | 4.2   | 15.0  | 9.8    |
| Sun-Ray 14% Mixed Feed                             | 14.0    | 14.7  | 3.0   | 4.7   | 8.0   | 7.6    |
| ** Sun-Ray 14% Mixed Feed                          | 14.0    | 16.7  | 3.0   | 5.1   | 8.0   | 7.9**  |
| Contained mixed screenings                         |         |       |       |       |       |        |
| Sun-Ray 14% Mixed Feed                             | 14.0    | 15.5  | 3.0   | 6.0   | 8.0   | 6.3    |
| ** Sun-Ray Cracked Corn                            | 9.0     | 7.7   | 3.8   | 3.5   | 2.5   | 1.5**  |
| SUPREME FEED MILLS, GLASGOW, KENTUCKY              |         |       |       |       |       |        |
| Supreme Brand 20% Protein Laying Mash              | 20.0    | 21.4  | 3.5   | 3.2   | 7.0   | 6.5    |
| Supreme Brand 20% Protein Laying Mash              | 20.0    | 21.3  | 3.5   | 3.3   | 7.0   | 4.7    |
| ** Supreme Brand 24% Dairy Feed                    | 24.0    | 32.8  | 3.5   | 2.0   | 10.0  | 11.0** |
| ** Feeders Pride 24% Protein Dairy Feed            | 24.0    | 23.1  | 2.5   | 3.3   | 15.0  | 10.8** |
| ** Supreme Special 20% Protein Dairy Feed          | 20.0    | 18.7  | 3.5   | 4.1   | 10.0  | 9.1**  |
| Supreme Special 20% Protein Dairy Feed             | 20.0    | 22.9  | 3.5   | 3.8   | 10.0  | 7.4    |
| Supreme Brand 20% Protein Dairy Feed               | 20.0    | 20.9  | 3.0   | 4.5   | 14.0  | 12.8   |
| ** Supreme 16% Dairy Feed                          | 16.0    | 18.9  | 2.5   | 3.1   | 12.0  | 8.7**  |
| Contained unground weed seeds                      |         |       |       |       |       |        |
| Supreme 16% Dairy Feed                             | 16.0    | 18.1  | 2.5   | 3.0   | 10.0  | 9.1    |
| Premco Brand 16% Protein Dairy Feed                | 16.0    | 18.2  | 3.0   | 3.4   | 15.0  | 13.9   |
| Premo Brand 16% Protein Dairy Feed                 | 16.0    | 17.3  | 3.0   | 4.1   | 15.0  | 14.2   |
| Premo Brand 16% Protein Dairy Feed                 | 16.0    | 19.2  | 3.0   | 4.2   | 15.0  | 13.6   |
| Feeders Pride 16% Protein Dairy Feed               | 16.0    | 16.9  | 2.5   | 3.0   | 15.0  | 13.0   |
| Feeders Pride 16% Protein Dairy Feed               | 16.0    | 16.7  | 2.5   | 3.0   | 15.0  | 14.2   |
| Premco Brand Stock Feed                            | 14.0    | 15.5  | 3.5   | 6.5   | 9.0   | 4.8    |
| ** Premco Brand Hominy Meal                        | 10.0    | 9.0   | 7.0   | 5.4   | 6.0   | 6.6**  |
| D. B. SUTHERLAND AND SONS, BLOOMFIELD, KENTUCKY    |         |       |       |       |       |        |
| ** Kentucky Star 24% Dairy Feed                    | 24.0    | 22.9  | 3.0   | 3.6   | 10.0  | 11.2** |
| Kentucky Star 16% Dairy Feed                       | 16.0    | 16.9  | 3.0   | 5.8   | 15.0  | 5.9    |
| Kentucky Star Farm Feed                            | 11.5    | 14.8  | 3.5   | 4.2   | 8.0   | 6.4    |
| Kentucky Star Farm Feed                            | 11.5    | 13.7  | 3.5   | 3.6   | 8.0   | 5.6    |
| SWEET FEED MILLS, INC., BOWLING GREEN, KENTUCKY    |         |       |       |       |       |        |
| ** Freshgood 24% Dairy Feed                        | 24.0    | 26.6  | 3.0   | 2.6   | 10.0  | 8.6**  |
| Excess Urea  |         |       |       |       |       |        |
| Freshgood 16% Dairy Feed                           | 16.0    | 18.6  | 3.0   | 2.7   | 10.0  | 8.4    |
| ** Freshgood 16% Dairy Feed                        | 16.0    | 16.8  | 3.0   | 2.4   | 10.0  | 7.6**  |
| SWEET FEEDS, HOPKINSVILLE, KENTUCKY                |         |       |       |       |       |        |
| ** Sweet Mix 18% Laying Mash                       | 18.0    | 17.1  | 3.5   | 4.3   | 7.0   | 6.2**  |
| Thrift Brand 16% Dairy Feed                        | 16.0    | 18.7  | 2.5   | 2.3   | 15.0  | 11.8   |
| SWIFT & COMPANY, CHICAGO, ILLINOIS                 |         |       |       |       |       |        |
| Swift's 37% Protein & Mineral Poultry Concentrate  | 37.0    | 36.9  | 3.0   | 6.4   | 9.5   | 6.8    |
| Calcium. . . . .                                   | 4.0     | 4.7   |       |       |       |        |
| Phosphorus. . . . .                                | 1.0     | .80   |       |       |       |        |
| Iodine. . . . .                                    | .0005   |       |       |       |       |        |
| Salt. . . . .                                      | 2.5     | 2.3   |       |       |       |        |
| Swift's Sweet Sixteen Brand 16% Protein Dairy Feed | 16.0    | 18.0  | 2.0   | 3.4   | 10.5  | 9.8    |
| Swift's 40% Protein Swine Concentrate              | 40.0    | 43.1  | 3.0   | 2.9   | 7.0   | 5.3    |
| Calcium. . . . .                                   | 3.3     | 3.0   |       |       |       |        |
| Phosphorus. . . . .                                | 1.3     | 1.0   |       |       |       |        |
| Iodine. . . . .                                    | .0005   |       |       |       |       |        |
| Salt. . . . .                                      | 2.0     | 1.2   |       |       |       |        |
| Pard Swift's Dog Food                              | 10.5    | 10.6  | 2.5   | 5.5   | 1.0   | .40    |
| Pard Swift's Dog Food                              | 10.5    | 11.2  | 2.5   | 4.4   | 1.0   | .60    |
| Swift's Mineral Supplement                         |         |       |       |       |       |        |
| Calcium. . . . .                                   | 25.0    | 26.3  |       |       |       |        |
| Phosphorus. . . . .                                | 4.5     | 5.4   |       |       |       |        |
| Iodine. . . . .                                    | .003    |       |       |       |       |        |
| Salt. . . . .                                      | 20.0    | 19.6  |       |       |       |        |

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

Quarterly Report on Feed Samples

| MANUFACTURER, BRAND AND<br>REMARKS                               | Protein |       | Fat   |       | Fiber |        |
|--|---------|-------|-------|-------|-------|--------|
|  | Guar.   | Found | Guar. | Found | Guar. | Found  |
| SWIFT & COMPANY, CHICAGO, ILLINOIS (Cont'd)                      |         |       |       |       |       |        |
| Swift's 42% Protein Soybean Oil Meal                             | 42.0    | 43.3  | 3.5   | 5.2   | 7.0   | 6.1    |
| Swift's 41% Cottonseed Meal                                      | 41.0    | 41.3  | 4.0   | 5.7   | 13.0  | 12.2   |
| Swift's 41% Cottonseed Meal                                      | 41.0    | 42.5  | 4.0   | 4.0   | 13.0  | 9.4    |
| TARTER'S FEED MILL, LIBERTY, KENTUCKY                            |         |       |       |       |       |        |
| Tarter's Special Brand 16% Dairy Feed                            | 16.0    | 18.1  | 3.0   | 3.2   | 10.0  | 8.4    |
| TAYLOR COUNTY IMPLEMENT & FEED COMPANY, CAMPBELLSVILLE, KENTUCKY |         |       |       |       |       |        |
| Economy Brand 18% Egg Mash                                       | 18.0    | 19.8  | 2.5   | 4.6   | 7.0   | 4.5    |
| Economy Brand Pig & Hog Feed                                     | 17.0    | 18.2  | 3.0   | 4.3   | 6.0   | 3.9    |
| TELL CITY FLOURING MILLS, TELL CITY, INDIANA                     |         |       |       |       |       |        |
| Kentuck 20% Laying Mash  | 20.0    | 20.6  | 3.5   | 3.6   | 8.0   | 6.1    |
| Hoosier 18% Protein Egg Producer Mash                            | 18.0    | 19.7  | 3.5   | 3.7   | 7.0   | 5.6    |
| ** Hoosier Poultry Scratch Feed                                  | 9.0     | 9.4   | 3.0   | 3.4   | 5.0   | 2.4**  |
| Contained unground weed seeds                                    |         |       |       |       |       |        |
| Hoosier Horse & Mule Feed  | 9.0     | 14.5  | 2.5   | 2.8   | 15.0  | 5.0    |
| THOROBRED COMPANY, CINCINNATI, OHIO                              |         |       |       |       |       |        |
| Thorobred Dog Food   | 10.0    | 10.6  | 2.0   | 1.7   | 1.0   | .50    |
| TILFORD & WALTERS MILL, METROPOLIS, ILLINOIS                     |         |       |       |       |       |        |
| ** Masco Corn and Wheat Scratch Feed                             | 9.0     | 8.2   | 3.0   | 3.5   | 3.5   | 2.0**  |
| Profit Maker Brand 16% Dairy Feed                                | 16.0    | 17.0  | 2.5   | 3.8   | 15.0  | 10.0   |
| Masco 32% Protein Cattle Supplement                              | 32.0    | 32.1  | 3.0   | 4.5   | 8.0   | 5.6    |
| ** Masco Pig Starter   | 20.0    | 21.1  | 3.0   | 5.1   | 6.0   | 7.5**  |
| TOPEKA FLOUR MILLS, SALINA, KANSAS                               |         |       |       |       |       |        |
| K-Y Wheat Gray Shorts  | 17.0    | 17.7  | 4.0   | 4.9   | 6.0   | 5.3    |
| TRENTON COTTON OIL COMPANY, TRENTON, TENNESSEE                   |         |       |       |       |       |        |
| Trenton Brand 41% Protein Cottonseed Meal                        | 41.0    | 41.4  | 5.0   | 6.6   | 12.0  | 9.4    |
| Trenton Brand 41% Protein Cottonseed Meal                        | 41.0    | 41.4  | 5.0   | 7.5   | 12.0  | 9.0    |
| TRI-STATE MILLS, KENOVA, WEST VIRGINIA                           |         |       |       |       |       |        |
| Tri-State 24% Dairy Feed   | 24.0    | 25.3  | 3.0   | 3.1   | 10.0  | 8.3    |
| TUPELO OIL AND GIN COMPANY, TUPELO, MISSISSIPPI                  |         |       |       |       |       |        |
| ** Tupelo Brand 41% Protein Cottonseed Meal                      | 41.0    | 40.2  | 4.0   | 5.9   | 13.0  | 11.3** |
| UBIKO MILLING COMPANY, CINCINNATI, OHIO                          |         |       |       |       |       |        |
| Life Guard All-Mash Laying Ration                                | 16.0    | 18.3  | 3.5   | 4.0   | 7.0   | 6.0    |
| Special Union Grains Life Guard 24% Dairy Feed                   | 24.0    | 24.9  | 2.5   | 3.9   | 10.0  | 7.0    |
| Life Guard Pig and Sow Ration                                    | 16.0    | 17.5  | 3.5   | 4.7   | 6.0   | 5.5    |
| Life Guard Porkmaker   | 14.0    | 14.9  | 4.0   | 5.5   | 8.0   | 5.6    |
| Dried Beet Pulp  | 8.0     | 8.0   | .50   | .70   | 20.0  | 19.6   |
| USEN CANNING COMPANY, BOSTON, MASSACHUSETTS                      |         |       |       |       |       |        |
| ** Tabby All Fish Cat Food                                       | 17.0    | 15.4  | .30   | .05   | .30   | .02**  |
| High in water  |         |       |       |       |       |        |
| VET'S DIVISION OF PERK DOG FOOD COMPANY, CHICAGO, ILLINOIS       |         |       |       |       |       |        |
| Vets Dog Food  | 10.0    | 10.5  | 2.0   | 2.7   | 1.5   | 1.4    |
| C. F. VISSMAN & COMPANY, LOUISVILLE, KENTUCKY                    |         |       |       |       |       |        |
| ** Vissman's 60% Protein Digester Tankage                        | 60.0    | 57.9  | 6.0   | 9.8   | 3.0   | 1.3**  |
| Very much below guarantee in protein                             |         |       |       |       |       |        |

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

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| MANUFACTURER, BRAND AND<br>REMARKS                    | Protein |             | Fat   |            | Fiber |              |
|---|---------|-------------|-------|------------|-------|--------------|
|   | Guar.   | Found       | Guar. | Found      | Guar. | Found        |
| VITALITY MILLS, CHICAGO, ILLINOIS                     |         |             |       |            |       |              |
| ** Vitality Brand 17% Protein All Purpose Mash        | 17.0    | 20.1        | 4.0   | 3.7        | 6.0   | 6.5          |
| Contained mixed screenings                            |         |             |       |            |       |              |
| Vitality's Egg - 1 - Day Brand Egg Mash               | 20.0    | 20.4        | 3.5   | 4.2        | 8.0   | 7.5          |
| Vitality Brand Poultry Scratch                        | 9.0     | 9.9         | 2.5   | 2.5        | 5.0   | 2.5          |
| Vitality Brand Rabbit Pellets                         | 14.0    | 15.0        | 2.0   | 2.9        | 15.0  | 13.0         |
| ** Vitality Brand Dog Vittles                         | 24.0    | <u>21.3</u> | 3.0   | 4.8        | 5.5   | 5.8          |
| Very much below guarantee in protein                  |         |             |       |            |       |              |
| VYLACTOS LABORATORIES, INC., DES MOINES, IOWA         |         |             |       |            |       |              |
| Omolass Feed  | 10.0    | 11.5        | .40   | 1.2        | 8.0   | 4.8          |
| WALNUT CREEK MILLING COMPANY, GREAT BEND, KANSAS      |         |             |       |            |       |              |
| Wheat Gray Shorts and Scourings                       | 16.0    | 15.8        | 4.0   | 3.7        | 6.0   | 4.6          |
| WEISENBERGER SANITARY FLOUR MILLS, MIDWAY, KENTUCKY   |         |             |       |            |       |              |
| Mixed Feed  | 12.5    | 12.6        | 4.0   | 5.1        | 10.5  | 8.4          |
| Mixed Feed  | 12.5    | 13.4        | 4.0   | 4.9        | 10.5  | 8.1          |
| WEST NINTH STREET MILL, OWENSBORO, KENTUCKY           |         |             |       |            |       |              |
| Ravar Special Brand Broiler Mash                      | 20.0    | 20.2        | 3.0   | 2.6        | 4.0   | 3.2          |
| Ravar Brand 20% Egg Mash                              | 20.0    | 21.1        | 2.5   | 3.0        | 7.0   | 4.8          |
| Ravar Sow & Pig Ration                                | 17.5    | 19.3        | 3.0   | 3.0        | 6.0   | 5.0          |
| Ravar Hog Ration                                      | 12.0    | 13.5        | 2.5   | 3.3        | 6.0   | 3.7          |
| Ravar Calf Feed                                       | 15.0    | 14.8        | 2.5   | 2.6        | 8.5   | 5.1          |
| Ravar Horse Feed                                      | 10.0    | 9.9         | 2.0   | 2.8        | 7.0   | 3.9          |
| GARDNER WHITE, PRINCETON, KENTUCKY                    |         |             |       |            |       |              |
| Home Town Yellow Corn Chops                           | 7.5     | 8.9         | 3.0   | 3.0        | 3.0   | 2.0          |
| WILLIAMSTOWN ROLLER MILL, WILLIAMSTOWN, KENTUCKY      |         |             |       |            |       |              |
| Our Own Brand 20% Protein Egg Mash                    | 20.0    | 19.7        | 3.5   | 3.0        | 7.0   | 4.0          |
| WILSON AND COMPANY, CHICAGO, ILLINOIS                 |         |             |       |            |       |              |
| Ideal Dog Food  | 10.0    | 10.3        | 2.0   | 4.7        | 1.0   | .60          |
| WINN AND TOBIN MILLING COMPANY, MARION, KENTUCKY      |         |             |       |            |       |              |
| Daisy Scratch Feed                                    | 9.0     | 9.9         | 2.5   | 2.5        | 3.0   | 2.1          |
| Daisy Scratch Feed                                    | 9.0     | 10.0        | 2.5   | 3.4        | 3.0   | 1.9          |
| WINN & TOBIN MILLING COMPANY, LEITCHFIELD, KENTUCKY   |         |             |       |            |       |              |
| Daisy 18% Protein Hog Feed                            | 18.0    | 18.2        | 4.0   | 4.0        | 7.0   | 4.8          |
| WINN MILLING COMPANY, GREENSBURG, KENTUCKY            |         |             |       |            |       |              |
| ** Daisy 16% White Tag Dairy Feed                     | 16.0    | 17.2        | 2.5   | <u>1.8</u> | 10.0  | <u>12.7*</u> |
| Very much above guarantee in fiber                    |         |             |       |            |       |              |
| ** Daisy 17% Protein Pig & Sow Feed                   | 17.0    | 20.9        | 3.0   | 4.3        | 6.0   | 6.3*         |
| Contained mixed screenings                            |         |             |       |            |       |              |
| WONDER RICE MILLS, INC., STUTTGART, ARKANSAS          |         |             |       |            |       |              |
| ** Rice Bran  | 12.0    | <u>11.3</u> | 12.0  | 14.4       | 12.0  | 9.7**        |
| WOODFORD FEED COMPANY, VERSAILLES, KENTUCKY           |         |             |       |            |       |              |
| Big W 16% Dairy Feed                                  | 16.0    | 15.6        | 3.0   | 3.2        | 12.0  | 7.2          |
| J. W. ZARING GRAIN & MILL COMPANY, RICHMOND, KENTUCKY |         |             |       |            |       |              |
| ** Zaring's 20% Laying Mash                           | 20.0    | 21.0        | 3.0   | <u>2.4</u> | 7.0   | 4.8**        |
| Zaring's 24% Dairy Feed                               | 24.0    | 25.5        | 3.0   | <u>3.0</u> | 12.0  | 11.4         |
| ** Zaring's 16% Dairy Feed                            | 16.0    | 16.7        | 3.0   | 2.8        | 15.0  | 13.7**       |
| Contained mixed screenings                            |         |             |       |            |       |              |
| Excess urea   |         |             |       |            |       |              |
| Zaring's Farm Feed                                    | 12.5    | 12.8        | 4.0   | 3.8        | 8.0   | 8.0          |
| Zaring's Farm Feed                                    | 12.5    | 13.2        | 4.0   | 4.2        | 8.0   | 4.2          |

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