

Commercial Feeds in Kentucky, 1951

Including Report on Official Feed
Samples Analyzed

October–December, 1951



Kentucky Agricultural Experiment Station
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Lexington

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Quarterly Report on Feed Samples, 1951

COMMERCIAL FEEDS IN KENTUCKY, 1951

The record of samples correctly labeled showed continued improvement in 1951 over 1950. Greater care in the blending of ingredients and more attention to the use of tags that correctly represented the guarantee undoubtedly brought this about. Little more than 20 per cent of the feeds sold in Kentucky, according to the samples secured in 1951, was sufficiently at the variance from the guarantee to merit special comment. Further, only a fraction of this 20 percent was seriously out of line with the warranty.

Correct labeling cannot be emphasized too strongly. It gives the purchaser assurance as to what is offered for sale and at the same time is indicative of the over-all quality of the products involved.

The manufacturer who pays close attention to correct labeling is certain to be giving close attention to the quality of ingredients and the formula used. A manufacturer might, of course, use inferior ingredients, label them correctly and have an excellent labeling record. Such a product would be unfavorably received in the market, and the manufacturer's alternatives would be to either improve his label and his product or mislabel it. Thus, there is a direct relationship between good labeling and good products. The fact that labeling has improved in Kentucky in the past few years is interpreted as accompanying an improvement in quality.

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

1948	-----	56%
1949	-----	68%
1950	-----	70%
1951	-----	79%

This shows an improvement in labeling each year.

In 1951, inspectors made 11,321 calls on feed dealers and collected 3559 samples of feed.

The estimated tonnage of commercial feeds consumed in Kentucky during 1951, based on the sale of guaranty tags, was 612,946 tons. This was 28,505 tons more than was sold in 1950.

Kentucky farmers paid about \$53,000,000 for the 612,946 tons of feed they bought in 1951.

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

1940	356,138
1941.....	350,000
1942	426,805
1943	630,438
1944	663,039
1945	671,351
1946	647,661
1947	582,375
1948	634,000
1949.....	607,255
1950	584,441
1951	612,946

Of the tonnage for 1951, 137,549 tons were dairy feeds; 65,953 tons, hog feed; 15,625 tons, horse and mule feed; 150,693 tons, poultry feed; 13,530 tons, turkey feed; 30,458 tons scratch feed; 5,485 tons, rabbit feed; 1,084 tons, sheep feed; 5,243 tons, calf feed; 10,469 tons, stock feed; 10,347 tons, dog and cat feed; 1,442 tons, goat feed; 2,614 tons, mineral feed; 146,001 tons, straight products and by-products and by-products; and 11,735 tons, miscellaneous feed.

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

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TABLE 1. SUMMARY OF SALES BY CLASS OF FEED, KENTUCKY, 1951

FEED	TONS	FEED	TONS
STRAIGHT PRODUCTS AND BY-PRODUCTS		SPECIAL PURPOSE FEEDS (Continued)	
Alfalfa Meal -----	627	Dog Feed-----	9,614
Barley, Ground -----	106	Cat Feed -----	733
Bone Meal -----	978	Goat Feed -----	1,442
Brewers Dried Grains -----	2,210	Hog Feed	
Corn, Ground -----	3,377	Fattening and Growing-----	34,106
Corn, Meal -----	170	Protein Supplement -----	31,847
Corn Feed Meal-----	276		
Corn By-Products Feed -----	1,233	Total Hog Feed -----	65,953
Corn Gluten Feed -----	170		
Cracked Corn -----	21,952	Horse and Mule Feed	
Crushed Ear Corn -----	404	Horse and Mule Feed, yellow tag -	786
Cottonseed Meal -----	3,485	Horse and Mule Feed, white tag --	14,839
Cottonseed Meal (Solvent) -----	425		
Distillers Dried Grains -----	5,568	Total Horse and Mule Feed-----	15,625
Distillers Dried Solubles -----	2,224		
Hominy Feed -----	16,681	Duck Feed -----	85
Hominy Meal -----	3,358	Pigeon Feed -----	96
Linseed Oil Meal-----	531	Poultry Grains	
Meat Scraps -----	574	Chick -----	4,018
Meat & Bone Scrap -----	1,934	Hen-----	26,440
Mixed Feed -----	8,628		
Oats, Ground -----	404	Total Poultry Grains -----	30,458
Oat Hull Feed-----	149		
Soybean Oil Meal -----	12,920	Poultry Mash (Chickens)	
Soybean Oil Meal (Solvent) -----	6,184	All Mash Starter and Grower ----	3,789
Soybean Feed (Extracted) -----	2,040	All Mash Laying -----	2,550
Tankage -----	3,273	Fattening Mash -----	1,711
Wheat, Ground -----	808	Flushing Feed -----	122
Wheat, Bran -----	7,883	Growing Mash-----	15,603
Wheat Brown Middlings and Shorts--	4,037	Starting Mash-----	9,619
Wheat Gray Middlings and Shorts ---	24,055	Starting & Growing Mash-----	22,673
Wheat Flour Middlings -----	1,105	Broiler Mash -----	24,251
Wheat Red Dog Flour -----	1,134	Laying Mash -----	65,450
Wheat Mixed Feed -----	4,888	Protein Supplement -----	4,925
Wheat Feeds -----	2,210		
		Total Chicken Mash -----	150,693
Total Products and By-Products	146,001		
		Poultry Mash (Turkeys)	
SPECIAL PURPOSE FEEDS		Turkey Starting Mash-----	3,822
Calf Feed -----	5,243	Turkey Growing Mash -----	7,774
Dairy Feed		Turkey Laying Mash -----	1,424
16% Protein, yellow tag -----	21,441	Turkey Supplement -----	510
16% Protein, White tag -----	27,017		
18% Protein, yellow tag -----	314	Turkey Mash-----	13,530
18% Protein, white tag -----	5,589		
20% Protein, yellow tag -----	4,500	Rabbit Feed -----	5,485
20% Protein, white tag -----	20,329	Sheep Feed-----	1,084
24% Protein, yellow tag -----	3,124	Stock Feed-----	10,469
24% Protein, white tag -----	41,140	Mineral Feed -----	2,614
Protein Supplement -----	10,912	Protein & Mineral Feed -----	4,537
Dry, Freshening, and Fitting Feed	3,183	Miscellaneous-----	11,735
Total Dairy Feed -----	137,549		
		Grand Total-----	612,946

COMMERCIAL FEEDS, 1951

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 tell 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.

COMMERCIAL FEEDS, 1951
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 & 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 Meal	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
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

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Average Composition of the More Common Feedstuffs, Continued

Feedstuff	Protein	Fat	Carbohydrate		Water	Ash
			Fiber	N. F. Extract		
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

ROUGHAGES

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

FILLERS

Alfalfa Stem Meal	11.5	1.3	36.3	34.8	9.0	7.1
Corn Cob	2.3	0.4	32.1	54.0	9.6	1.6
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.

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Miscellaneous Samples Analyzed in 1947-50

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
Ice Cream Cones, Ground	9.2	1.5	0.7
Lima Beans, Ground	21.5	1.5	6.1
Malt Hulls, Ground	10.3	1.8	22.5
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		
Sorghum, Ground (Stalk & Leaves)	4.1	2.9	19.6
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

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METHOD OF CALCULATING THE ANALYSIS OF
A FEED MIXTURE

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

Example 1. 20-percent protein dairy feed

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

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

Example 2. 20-percent protein laying mash

1	2	3	4
Ingredients	Percentage of protein, or pounds in 100	Hundreds of pounds of each ingredient	Pounds of protein from each ingredient
150 pounds wheat bran -----	15	1.5	22.5
200 pounds wheat middlings -----	16	2	32.0
200 pounds ground yellow corn -----	9	2	18.0
100 pounds ground oats -----	11	1	11.0
150 pounds meat 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 I.

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.

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CHEMICAL STANDARDS, RULES AND REGULATIONS

Chemical standards, Rules and regulations in effect in Kentucky. These standards and regulations are modified when experimental evidence and conditions justify such changes.

1. Chemical Standards:

	% Min. Protein	% Min. Fat	% Max. Fiber
Dairy Feed*	16.0	2.5	15.0
Fitting Feed (for Dry Cows)	12.0	2.5	15.0
Hog Feed (Fattening)*	14.0	2.5	8.0
Hog Feed (Pig & Sow Feed & Pig Feeds)*	16.0	3.0	6.0
Horse & Mule Feed	9.0	2.0	15.0
Poultry			
All-Mash Broiler Ration	18.0	2.5	8.0
All-Mash Growing Ration	15.0	2.5	7.0
All-Mash Laying Ration	15.0	2.5	8.0
All-Mash Poultry Fattening Mash	12.0	2.5	8.0
All-Mash Poultry Ration	15.0	2.5	7.0
All-Mash Starting Ration	17.0	2.5	7.0
All-Mash Starting & Growing Ration	17.0	2.5	7.0
Growing Mash*	17.0	2.5	8.0
Laying Mash*	18.0	2.5	8.0
Scratch Feeds	8.0	2.0	7.0
Starting Mash*	20.0	2.5	7.0
Starting & Growing Mash*	17.0	2.5	7.0
Turkey All-Mash Laying Ration	16.0	2.5	8.0
Turkey Growing Mash*	18.0	2.5	8.0
Turkey Laying Mash*	20.0	2.5	8.0
Turkey Starting Mash*	22.0	2.5	8.0
Turkey Starting & Growing Mash*	20.0	2.5	8.0
Rabbit Feed*	15.0	2.0	10.0
Rabbit Ration	15.0	2.0	22.0
Dog Feed (Canned)	7.5	2.0	1.5

(Dry matter not less than 26%, fat not more than 6%, ash not more than 3.5%, salt, NaCl not more than .75%)

	% Max. Fiber		% Max. Fiber
13% Alfalfa Meal	33.0	Wheat Brown Shorts	7.5
15% Alfalfa Meal	30.0	Wheat White Shorts	4.0
17% Alfalfa Meal	27.0	Wheat White Middlings	4.0
20% Alfalfa Meal	22.0	Wheat Feed Flour	1.5
Ground Barley	6.0	Wheat Mixed Feed	9.5
Lespedeza Meal	28.0	Wheat Standard Middlings	9.5
Feeding Oat Meal	4.0	Wheat Flour Middlings	6.0
Oat Mill Feed	30.0	Wheat Gray Shorts	6.0
Soybean Hay Meal	33.0	Wheat Red Dog	4.0

COTTONSEED MEAL must contain at least 41% protein. (A mixture of cottonseed meal and cottonseed hulls containing less than 41% protein should be labeled Cottonseed Feed. The percentage of hulls must be declared.)

	% Min. Fat	% Max. Fiber
41% Cottonseed Meal	4.0	13.0
43% Cottonseed Meal	4.0	12.0
41% Solvent Extracted Cottonseed Meal	1.0	13.0
43% Solvent Extracted Cottonseed Meal	1.0	12.0
45% Solvent Extracted Cottonseed Meal	1.0	11.0

TANKAGE, MEAT MEAL, or MEAT SCRAPS - When these products contain more than 4.4% of Phosphorus, they shall be designated: Tankage and Bone Meal or Tankage and Bone Scraps; and Meat and Bone Meal or Meat and Bone Scraps.

* Does not apply to "Supplement" feeds or to specialty feeds that have a recognized place in the feeding program for which they are intended.

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2. General Requirements:

(a) Care should be exercised to make the chemical guaranties reasonably close to the actual content of the feed.

(b) If a material change is made in the guaranty of a feed, in effect lowering the quality or value of the feed, the name of the feed must be changed also.

(c) The percentage of protein must form part of the name in all high protein materials. Example: 41% Portein Cottonseed Meal, 60% Protein Tankage. Where more than one special purpose feed is offered under the same brand name and for the same purpose, the protein guarantee must form a part of the brand name. Example "Excelsior Brand" 18% Dairy Feed, "Excelsior Brand" 20% Dairy Feed.

(d) The words "Solvent Extracted" should appear in the brand name of a meal where such applies in the labeling of oil mill by-products.

(e) Oil mill by-products containing hulls, screenings and similar materials, thus materially lowering the percentage of crude protein, cannot be called meals, but may be called meal and hulls, or meal and screenings, or feed, or by some proprietary name.

(f) With the exception of "scratch grains" any feed containing less than 9% protein must be called by the name of its ingredients.

(g) In naming feeds, the terms "feed" and "ration" should be distinguished. A feed may or may not be a ration. A ration is a complete feed and does not require other feed to be fed in addition to it.

3. Ingredients:

(a) All ingredients guaranteed must be present in nutritionally significant amounts.

(b) Vitamin carriers and similar ingredients present less than 2 1/2% but in an amount sufficient to have nutritional significance must be listed together. The vitamin and mineral content of a feed must meet the requirements of accepted authorities for the type of feed listed.

(c) Mineral ingredients, generally regarded as dietary factors essential for the normal nutrition of animals, when added to a feed must not exceed 3%, except for layer and breeder mashes in which 4% is allowed. Where it can be shown that these allowances will not provide the minimum mineral requirements for a given feed, larger amounts will be allowed upon special request. The amount of salt in any stock feed, including poultry feeds, shall not exceed 1%. There is no limit to the minerals allowed in "supplement" feeds. "Supplement" feed registration should show the percentage of minerals and when the total equals or exceeds 5%, a guarantee for calcium, phosphorus, iodine and salt for the total feed should be given. The word "mineral" should appear in the brand name of a feed have 10% or more minerals.

(d) The fluorine content of any mineral or mineral mixtures which are to be used directly for the feeding of domestic animals shall not exceed 0.30 per cent for cattle; 0.35 per cent for sheep; 0.45 per cent for swine, and 0.60 per cent for poultry. Rock phosphate or other fluorine bearing ingredients may be used only in such limited amounts in feedings stuffs so that they will not raise the fluorine of the total concentration of the (grain) ration above the following amounts; for cattle 0.009 per cent of fluorine; for sheep 0.010 per cent of fluorine; for swine 0.014 per cent of fluorine; and for poultry 0.035 per cent of fluorine.

(e) Condiments and charcoal are not feed materials. However, they are permitted when percentage amounts are given.

(f) Poisonous materials are prohibited as ingredients in feed. Inclusion of acceptable drugs is permitted. Special labeling is required. Write for instructions.

(g) If urea is used as an ingredient, the percentage must be given. Percentage is also required for all inert materials used as ingredients.

(h) A dairy feed containing ground ear corn will carry a white tag, if the fiber is not over 10%.

4. Screenings:

(a) Percentage of screenings in wheat feeds, mixed or special-purpose feeds, must be given and the minimum amounts of protein and fat and the maximum amounts of fiber and ash for such screenings must be stated in the registration. Samples of such screenings may be required.

(b) Screenings are described as follows: Grain screenings (from wheat, corn, oats, etc.) and must contain 70% or more of grain. Maximum ash 6.5%; mixed screenings (grains, weed seeds, hulls, chaff), if ash is over 13% sand and dirt must appear on label; chaff and dust (hulls, joints, straw, elevator dust, sweepings, grains, weed seeds), if ash is over 15% sand and dirt must appear on label; The screenings shall contain not more than 4 viable primary noxious weed seeds and 100 viable secondary noxious weed seeds per pound.

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(c) Screenings must be ground fine enough to destroy the germination of all weed seeds present.

5. Materials of Little or No Feeding Value:

(a) Percentage of material of little or no feeding value such as oat hulls, cob meal, clipped oat byproduct, mixed screenings or other material containing an excessive percentage of fiber, must be stated.

(b) In mixed feeds, the amount of material or materials of little or no feeding value must not exceed 25% of the mixture.

6. False Registration and Cancellation:

Improper registration, adulteration or misbranding of a feed not only renders the offender liable to prosecution, but the registration may be cancelled by the Department.

UREA

With a growing interest in the use of urea as a feed ingredient, the following information may help in answering questions about it.

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 on the official Kentucky tag. This would therefore read ".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.

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

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

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

Regulatory Bulletin No. 95
 REPORT OF OFFICIAL DOG FEED SAMPLES ANALYZED
 October, November, December, 1951

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
ARMOUR & COMPANY, CHICAGO, ILLINOIS						
Dash Dog Food	10.5	11.3	2.5	3.8	1.0	.5
Dash Dog Food	10.5	12.0	2.5	6.2	1.0	.67
Dash Dog Food	10.5	10.8	2.5	3.5	1.00	.46
ALTSHELER & COMPANY, 315 W. MAIN ST., LOUISVILLE, KENTUCKY						
Cherokee Dog Food	10.0	10.9	2.25	3.3	1.25	1.0
THE GREAT ATLANTIC & PACIFIC TEA COMPANY, NEW YORK, NEW YORK						
Daily Dog Food (Diet 1)	12.0	11.7	3.0	4.8	1.5	1.3
AUBREY & COMPANY, LOUISVILLE, KENTUCKY						
Red "A" Dog Food	24.0	26.0	3.0	6.0	5.5	4.5
BALLARD & BALLARD COMPANY, INC., LOUISVILLE, KENTUCKY						
Ballard Dog Food	10.0	11.7	2.0	2.8	1.5	1.4
BLUE RIBBON PACKING COMPANY, ST. LOUIS, MISSOURI						
Blue Ribbon Dog Food	17.00	<u>12.8</u>	4.00	8.3	1.00	.6
Very much below guarantee in protein.						
BUHNER & COMPANY, LOUISVILLE, KENTUCKY						
Happy Farmer 25% Dog Food	25.0	24.6	3.0	5.5	5.0	3.4
Happy Farmer 25% Dog Food	25.00	25.9	3.00	6.0	5.00	3.5
Happy Farmer 25% Dog Food	25.0	26.9	3.0	6.0	5.0	3.6
BUSH BROTHERS AND COMPANY, CLINTON, TENNESSEE						
Tony Dog and Cat Food	10.00	11.0	5.00	<u>2.0</u>	1.5	1.0
COAST FISHERIES, DIV. OF THE QUAKER OATS CO., WILMINGTON, CALIFORNIA						
Puss'n Boots Cat Food	12.00	14.2	2.00	7.6	1.00	.7
Puss'n Boots Cat Food	12.0	14.9	3.0	7.5	1.0	0.5
Puss'n Boots Cat Food	12.0	14.6	3.0	5.3	1.0	.7
COOPERATIVE MILLS, INC., CINCINNATI, OHIO						
24% Protein Dog Feed	24.0	25.4	4.0	4.9	5.0	4.0
24% Protein Dog Feed	24.00	26.6	4.0	6.0	5.0	4.0
24% Protein Dog Food	24.0	25.6	4.0	5.0	5.0	3.8
24% Protein Dog Food	24.0	25.2	4.0	4.8	5.0	3.9
DAILY PACKING COMPANY, CHICAGO, ILLINOIS						
Daily Dog Food (Diet 2)	12.0	12.1	3.0	3.0	1.5	1.5
DIXIE MILLS COMPANY, E. ST. LOUIS, ILL.						
Dixie Dog Food	25.00	28.5	4.50	4.9	3.50	2.1
DOYLE PACKING COMPANY, MOMENCE, ILLINOIS						
Strongheart Dog Food	10.00	8.3	2.00	1.8	1.00	.7
Strongheart Dog Food	8.0	<u>8.6</u>	2.0	3.5	1.0	.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.

Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO						
Tuxedo Dog Food (canned)	10.0	10.2	2.0	1.1	1.0	.5
Tuxedo Dog Food	10.0	11.0	2.0	1.7	1.0	1.0
EVANS INDUSTRIES, INC., MARION, INDIANA						
"Better Bite Brand" Cooked Horse Meal	18.0	12.3	4.0	7.3	0.50	.3
Very much below guarantee in protein. Misbranded						
EWING MILL COMPANY, BROWNSTOWN, INDIANA						
Triple - R Dog Food	24.0	23.7	3.0	5.6	5.0	3.3
FLAG PET FOOD CORPORATION, NEW YORK, NEW YORK						
Flag Dog Food	10.0	8.5	2.0	2.0	1.25	1.0
GAINES DIVISION, GENERAL FOODS COOP., KANKAKEE, ILLINOIS						
Gaines Meal	25.0	25.3	6.0	6.1	5.0	4.1
GENERAL PACKING COMPANY, CINCINNATI, OHIO						
Vigor Dog Food	10.0	10.9	2.0	1.8	1.5	0.44
Your Pal Dog Food	10.0	10.6	2.0	2.3	1.5	.7
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS						
"Lucky Brand" 25% Protein Dog Food	25.0	26.6	3.0	4.4	6.0	2.7
"Lucky Brand" 25% Protein Dog Food	25.0	28.7	3.0	4.4	6.0	3.0
HILL PACKING COMPANY, TOPEKA, KANSAS						
Hill's Dog Food	12.0	12.5	3.0	5.2	1.0	.6
HI-LIFE PACKING COMPANY, CHICAGO, ILLINOIS						
"Hi-Life Brand" Dog Food	10.0	10.8	2.0	3.5	1.5	1.2
MIDWEST MEAT PACKERS, COLUMBUS, OHIO						
Mid-West 100% Horse Meat Dog Food	15.0	15.7	4.0	8.3	.50	.1
S. E. MIGHTON COMPANY, BEDFORD, OHIO						
Spot Dog Food	10.0	9.4	2.0	2.4	1.5	.8
McMILLEN FEED MILLS, FT. WAYNE, INDIANA						
Master Mix Dogburger Brand 24% Pro. Dog Food	24.0	29.6	3.0	4.3	4.0	4.0
MORGAN PACKING COMPANY, AUSTIN, INDIANA						
King Karlo Dog Food	10.0	10.5	2.5	2.9	1.0	.9
King Karlo Dog Food	10.00	10.9	2.50	2.9	1.00	.7
King Karlo Dog Food	10.0	10.7	2.5	2.7	1.0	.8
JOHN MORRELL & COMPANY, OTTUMWA, IOWA						
Red Heart Dog Food	10.5	11.1	2.5	3.1	1.00	.5
Red Heart Dog Food (Diet B)	10.5	10.2	2.5	3.5	1.0	.5
NATIONAL BISCUIT COMPANY, NEW YORK, NEW YORK						
Milk - Bone	21.0	23.6	1.5	2.9	2.5	1.5
NATIONAL OATS COMPANY, E. ST. LOUIS, ILLINOIS						
Corno 25% Protein Dog Food	25.0	29.7	4.0	6.2	5.0	2.5
ORLEANS CANNING COMPANY, CHICAGO, ILLINOIS						
"Orleans Brand" All-Meat Dog Food	17.0	16.2	3.0	8.2	1.5	.5

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS						
Ken-L-Ration Dog Food	10.00	9.8	2.5	6.4	1.0	.4
Ken-L-Ration Dog Food	10.0	10.0	2.5	4.4	1.0	.5
Ken-L-Ration Dog Food	10.0	11.1	2.5	6.2	1.0	.5
PAOLI MILLING CO., PAOLI, INDIANA						
Magic Brand 25% Protein Dog Feed	25.0	25.8	3.5	5.4	6.0	3.6
Magic Brand 25% Protein Dog Feed	25.0	25.4	3.5	6.8	6.0	3.9
PERK DOG FOOD COMPANY, CHICAGO, ILLINOIS						
Perk 100% All Horse Meat Dog Food	17.5	<u>13.9</u>	3.5	13.7	1.00	.1
Very Much below guarantee in protein.						
Perk Dog Food	12.00	12.8	5.00	5.2	1.00	.9
Perk Dog Food	12.0	13.4	2.0	4.0	1.0	1.1
Vets Dog Food	10.0	10.6	2.0	2.1	1.5	1.9
PIONEER PACKING COMPANY, INDIANAPOLIS, INDIANA						
Palsy Walsy Dog and Cat Food	12.00	11.5	2.00	<u>1.3</u>	1.00	1.3
RIVAL PACKING COMPANY, CHICAGO, ILLINOIS						
Rival Dog Food	10.0	12.5	2.0	2.4	1.0	.7
Rival Dog Food	10.00	11.5	2.00	2.9	1.00	.7
VITALITY MILLS, INC. CHICAGO, ILLINOIS						
Vitality Brand Dog Vittles	24.0	25.8	3.0	5.4	5.5	5.1
SWIFT & COMPANY, CHICAGO, ILLINOIS						
Swift's Pard Dog Food	10.5	11.4	2.5	3.6	1.0	.7
Swift's Pard Dog Food	10.5	11.6	2.5	2.4	1.00	.6
SANDERS, INC., LOUISVILLE, KENTUCKY						
Cliff's Horse Meat with 10% Soya Grits	17.0	18.0	3.0	<u>1.8</u>	.30	.5
STANDARD FEED MILLING COMPANY, ATLANTA, GEORGIA						
Kin Dog Food Granular	24.0	25.3	3.5	5.7	5.5	4.2
THE THOROBRED COMPANY, INC., CINCINNATI, OHIO						
Thorobred Kibbled Dog Food	20.0	19.9	3.0	1.4	4.0	1.5
Thorobred Dog Food	10.00	10.4	2.00	<u>2.3</u>	1.00	.5
Thorobred Dog Food	10.0	10.3	2.0	1.9	1.0	.5
USEN CANNING COMPANY, BOSTON, MASS.						
Tabby All Fish Cat Food	17.0	18.0	0.30	.6	0.30	.08
VIMPEP FOODS-DIVISION OF PHILLIPS PACKING CO, CAMBRIDGE, MARYLAND						
Smarty Dog Food	10.0	9.5	2.0	3.1	1.5	.97
VITALITY MILLS, CHICAGO, ILLINOIS						
Vitality Body Builder Brand Dog Food	26.0	27.5	5.0	4.9	5.5	3.7
Vitality Body Builder Brand Dog Food	26.0	26.7	5.0	5.3	5.5	4.0
Vitality Brand Dog Vittles	24.00	26.6	3.00	4.8	5.50	5.0
WILSON & COMPANY, CHICAGO, ILLINOIS						
Ideal Dog Food	10.0	10.2	2.0	4.8	1.0	.6
Ideal Dog Food	10.0	9.5	2.0	5.7	1.0	.5
Ideal Dog Food	10.00	9.7	2.0	5.5	1.00	.7

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 October, November, December, 1951

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE ABILENE FLOUR MILLS, COMPANY, ABILENE, KANSAS						
Wheat Gray Shorts With Screenings	16.00	16.8	4.00	4.7	6.00	6.4
ACME EVANS CO., INC., INDIANAPOLIS, INDIANA						
Challenger 20% Protein Laying Mash	20.0	21.6	3.5	4.7	8.0	5.8
Challenger Mixed Scratch Grain	8.0	9.1	2.5	2.7	4.0	2.6
Challenger Special Brand 24% Dairy Feed	24.0	25.8	3.0	2.4	14.0	9.1
Challenger Special Brand 24% Dairy Feed	24.0	21.9	3.0	<u>3.1</u>	14.0	14.5
Very much below guarantee in protein.						
Challenger 16% Protein Dairy Feed	16.0	19.2	3.0	2.2	14.0	9.7
Challenger Special Brand 16% Dairy Feed	16.0	18.7	3.0	<u>1.3</u>	15.0	14.4
Challenger Special Brand 16% Dairy Feed	16.0	17.7	3.0	<u>1.5</u>	15.0	15.2
Challenger Sweet Sue 16% Dairy Feed	16.0	17.4	2.5	<u>2.5</u>	15.0	12.5
Challenger 40% Hog Supplement	40.0	41.1	2.5	2.7	7.0	6.5
Challenger Complete Hog Fattener	14.0	16.2	4.0	4.9	8.0	5.4
Challenger Special Brand Hog Slopper	14.0	14.1	4.0	5.0	7.0	6.0
Challenger Horse & Mule Feed	9.0	9.4	3.0	3.8	12.0	5.0
H. T. ADAMS COMPANY, HARRODSBURG, KENTUCKY						
"Hopper" Stock Feed	12.0	13.0	3.5	<u>2.9</u>	6.0	5.5
"Hopper" Stock Feed	12.0	13.0	3.5	<u>3.2</u>	6.0	<u>7.0</u>
ALABAMA FLOUR MILLS, DECATUR, ALABAMA						
"Pride of Dixie Brand" Laying Mash	20.0	21.7	3.5	3.7	7.0	5.6
"Pride of Dixie" 16% Dairy Feed	16.0	18.0	2.5	3.4	15.0	12.2
"Mothers Best Brand" 16% Dairy Feed	16.0	18.7	3.0	3.4	10.0	10.5
Contained unground weed seeds	16.0	18.7	3.0	3.4	10.0	10.5
"Pride of Dixie Brand" 40% Hog Supplement	40.0	42.0	5.0	<u>2.5</u>	8.0	6.1
Very much below guarantee in fat.						
ALLIED MILLS, INC., CHICAGO, ILLINOIS						
Sulfaquinoxaline in Wayne Broiler Feed	20.0	21.2	3.5	4.1	5.0	4.4
Wayne All Mash Egg Mash	17.0	20.3	2.5	4.0	8.0	6.0
Wayne Mash Layer	20.0	21.8	3.0	4.0	8.0	7.2
Wayne Mash Layer	20.0	22.0	3.0	3.6	8.0	8.1
Wayne Egg Mash	20.0	21.3	3.0	4.2	8.0	6.4
Wayne Egg Mash	20.0	21.4	3.0	4.3	8.0	5.9
Wayne 27% Protein Sweet Mix Stock Supplement	27.0	28.6	3.0	4.3	10.0	9.1
Wayne 24% Protein Dairy Feed	24.0	24.0	3.0	3.3	10.0	6.3
Wayne 24% Protein Dairy Feed	24.0	25.2	3.0	3.5	10.0	7.6
Sugarine 16% Dairy Feed	16.0	18.0	2.5	2.7	15.0	11.4
Sugarine 16% Dairy Feed	16.0	18.4	2.5	3.4	15.0	10.0
Wayne Sugarine Mixing Feed	17.0	20.4	1.0	4.2	10.0	8.6
Wayne 40% Hog Supplement	40.0	42.2	2.0	2.3	8.0	4.7
Wayne 40% Hog Supplement	40.0	40.3	2.0	4.0	8.0	5.5
Wayne Pork Maker	14.0	20.1	3.0	4.0	8.0	5.0
ANDERSON AND SPILMAN, DANVILLE, KENTUCKY						
Snowflake Feed	12.5	13.0	3.5	3.5	8.0	5.1

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
ANGLO SWEET FEED MILL, OWENSBORO, KENTUCKY						
"Ace Perfection Brand" 35% Protein Dairy Supplement	35.0	36.7	2.5	4.0	10.0	8.7
"Ace Perfection Brand" 18% Protein Hog Feed	18.0	19.2	2.5	3.8	8.0	4.7
APEX MILLING COMPANY, TOLEDO, OHIO						
***"Apex White Brand" 24% Dairy Feed Contained screenings and unground weed seeds.	24.0	26.4	2.5	2.8	15.0	11.3**
Apex 24% Dairy Feed Very much below guarantee in protein	24.0	21.3	2.50	2.9	13.0	13.0
**Apex 16% Protein Dairy Feed Contained unground weed seeds.	16.0	18.6	2.50	3.7	15.0	12.6 **
Apex 16% Protein Dairy Feed	16.0	20.0	2.5	3.6	15.0	11.9
ARCADY FARMS MILLING COMPANY, CHICAGO, ILL.						
Arcady 32% Protein Turkey Supplement	32.0	32.3	4.0	3.3	7.0	5.2
"Sunkist Brand" Egg Mash	18.0	19.9	3.5	3.9	8.0	7.5
***"Arcady Brand" 20% Protein Dairy Feed	20.0	20.4	3.5	1.7	12.0	9.7**
AUBREY & CO., LOUISVILLE, KENTUCKY						
Red A 20% Protein All Mash Starter & Grower	20.0	21.4	3.5	3.6	7.0	4.8
Red A 20% Laying Mash	20.0	20.9	3.0	3.8	8.0	5.1
Red A 20% Laying Mash	20.0	20.6	3.0	3.0	8.0	5.5
Red A 20% Laying Mash	20.0	20.8	3.0	3.3	8.0	6.1
Red A 20% Laying Mash	20.0	21.4	3.0	2.7	8.0	5.2
Red A 20% Laying Mash	20.0	21.5	3.0	3.2	8.0	5.6
Red A 20% Laying Mash	20.0	21.7	3.0	3.0	8.0	6.2
Red A 20% Laying Mash	20.0	21.7	3.0	3.0	8.0	5.6
Red A 32% Protein Dairy Supplement	32.0	37.5	3.0	3.2	8.5	6.5
Red A 24% Protein Dairy Feed	24.0	23.7	3.0	3.7	10.0	9.8
Red A 24% Protein Dairy Feed	24.0	27.7	3.0	3.3	10.0	8.8
Red A 24% Protein Dairy Feed	24.0	27.6	3.0	3.4	10.0	8.2
Red A 24% Protein Dairy Feed	24.0	27.1	3.0	4.3	10.0	7.0
Red A 20% Protein Dairy Feed	20.0	25.7	3.0	4.8	10.0	7.5
Red A 18% Protein Dairy Feed	18.0	23.7	3.0	4.6	8.0	7.5
Red A 18% Protein Dairy Feed	18.0	24.4	3.0	4.1	8.0	6.7
Red A 16 1/2% Protein Dairy Feed	16.5	19.9	3.0	3.9	10.0	8.3
Red A 16 1/2% Protein Dairy Feed	16.5	20.5	3.0	4.8	10.0	9.0
Red A 40% Hog Supplement	40.0	41.4	1.5	1.3	7.0	5.8
Red A 40% Hog Supplement	40.0	41.3	1.5	1.4	7.0	6.3
Red A 40% Protein & Mineral Hog Supplement	40.0	40.8	1.5	1.6	7.0	5.3
Red A 40% Protein & Mineral Hog Supplement	40.0	39.7	1.5	1.7	7.0	5.6
Red A 40% Protein & Mineral Hog Supplement	40.0	40.2	1.5	1.5	7.0	7.2
Red A 18% Protein Sow & Pig Feed	18.0	17.8	3.0	3.6	6.0	5.1
Red A Hog Fattener	14.0	14.0	3.0	4.3	8.0	4.8
Red A "Special Brand" Horse Feed	9.0	10.3	3.0	3.4	8.0	5.0
Red A 16% Protein Sheep Feed	16.0	17.2	2.5	3.1	11.0	6.3
Hominy Meal	10.0	10.1	5.0	5.4	6.0	3.9
Screened Cracked Corn	8.0	7.6	3.5	2.9	3.0	1.8
Screened Cracked Corn	7.5	7.4	2.5	2.8	3.0	1.6
Screened Cracked Corn	7.5	7.8	2.5	2.9	3.0	1.6
Screened Cracked Corn	7.5	7.6	2.5	2.8	3.0	1.8
41% Protein Solvent Extracted Cottonseed Meal	41.0	41.0	1.0	0.77	13.0	11.5

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

Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
AUBREY & COMPANY, LOUISVILLE, KENTUCKY (Cont'd)						
41% Protein Solvent Extracted Cottonseed Meal	41.0	40.8	1.0	6.0	13.0	11.6
Aubrey's 44% Protein Solvent Soybean Oil Meal	44.0	47.5	.5	.9	7.0	5.1
Alfalfa Meal	13.0	14.8	1.5	1.1	32.0	32.4
Oat Hull Feed & Molasses	3.0	5.2	1.0	0.8	24.5	22.8
THE AUBURN MILLS, AUBURN, KENTUCKY						
Leader Brand Hen Scratch Feed	9.0	9.8	3.0	2.7	2.5	2.6
Mixed Feed	12.0	14.5	3.5	3.5	7.5	6.1
Hominy Feed	10.0	10.2	6.0	7.3	8.0	6.1
AVISTON MILLING COMPANY, ST. LOUIS, MISSOURI						
Sugar Creek Wheat Gray Shorts and Screenings	16.0	16.0	3.5	3.7	6.0	5.0
Contained unground weed seeds.						
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY						
'Harrison's Nat-Ur-Way-Brand' 20% Protein Laying Mash	20.0	21.5	3.5	4.4	7.5	6.3
Harrison's 20% Protein Laying Mash	20.0	21.2	3.5	4.5	7.5	6.4
Hominy Meal	9.0	8.5	6.0	5.3	8.0	5.6
BALLARD & BALLARD CO., LOUISVILLE, KENTUCKY						
Insurance Starter & Grower	18.0	18.9	3.0	3.1	7.0	5.4
Insurance Egg Producer	20.0	20.7	3.0	3.7	8.0	6.3
Insurance 24% Milk Producer	24.0	25.2	3.0	3.2	11.0	8.6
Milk Insurance 20% Protein Dairy Feed	20.0	20.9	3.0	3.9	9.0	6.4
Insurance 40% Pig & Sow Supplement	40.0	40.6	1.5	3.3	8.0	5.4
Insurance 40% Pig & Sow Supplement	40.0	38.6	1.5	2.6	8.0	5.6
Insurance 40% Pig & Sow Supplement	40.0	39.5	1.5	2.6	8.0	6.8
Ballard's Wheat Brown Shorts with Screenings	15.0	15.9	3.5	4.0	7.0	5.5
Ballard's Wheat Mixed Feed & Screenings	15.0	15.3	4.0	3.9	8.5	6.8
Ballard's Screened Cracked Corn	7.0	7.6	2.5	2.8	3.0	1.6
BARDSTOWN MILLS, BARDSTOWN, KENTUCKY						
'Blue Ribbon' 20% Protein Dairy Feed	20.0	19.7	3.0	4.6	9.0	5.8
'Blue Ribbon' 40% Protein Hog Supplement	40.0	40.9	2.5	4.9	8.0	6.0
Mixed Feed	13.0	13.5	3.5	4.3	7.5	6.1
'Blue Ribbon Brand' 16% Dairy Feed	16.0	19.3	3.0	3.7	10.0	6.5
BAUGHMAN MILLING COMPANY, STANFORD, KENTUCKY						
'Banner' Hen Feed	9.0	9.8	3.0	2.7	4.0	2.8
Contained unground weed seeds.						
'Banner Hen Feed'	9.0	10.4	3.00	2.7	4.0	2.0
'Banner Brand' 24% Protein Dairy Feed	24.0	23.3	4.0	3.3	10.0	7.0
'Banner Brand' 24% Protein Dairy Feed	24.0	23.2	4.00	3.3	10.0	5.7
'Banner Brand' 16% Protein Pig & Sow Meal	16.0	17.1	3.50	3.5	6.0	5.5
BEAVER DAM MILLING COMPANY, BEAVER DAM, KENTUCKY						
'Eureka Brand' Breeder Mash	21.0	20.9	3.5	4.8	8.0	5.0
Snow Drift 19% Protein Laying Mash	19.0	21.4	4.0	3.9	7.5	5.1
Eureka Scratch Feed	8.0	8.4	3.0	3.1	3.0	1.9
Eureka 24% Dairy Feed	24.0	23.2	3.0	3.7	10.5	7.5
Eureka Brand 16% Protein Dairy Feed	16.0	17.9	3.0	3.6	12.5	7.3
Eureka 16% Prot ein Pig & Hog Ration	16.0	17.2	4.0	3.8	6.0	3.7
Eureka Cracked Corn	8.0	8.0	3.5	2.8	3.0	1.8

**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 REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BENSON VALLEY MILLING COMPANY, FRANKFORT, KENTUCKY						
16 1/2% Protein Dairy Feed	16.5	18.4	3.0	3.2	10.0	8.8
BIG FOUR MILLS, COVINGTON, KENTUCKY						
Big Four 20% Protein Starter & Grower Mash	20.0	23.0	3.0	3.1	7.0	6.6
Big Four 20% Protein Starter & Grower Mash	20.0	22.4	3.0	3.2	7.0	6.2
Big Four 20% Protein Laying Mash	20.0	23.2	3.0	3.0	7.0	6.7
Big Four 20% Protein Laying Mash	20.0	22.4	3.0	3.5	7.0	5.6
Big Four Scratch Feed	9.0	8.9	2.5	3.5	3.5	1.7
Big Four Scratch Feed	9.0	8.7	2.5	3.1	3.5	1.8
Big Four 24% Dairy Feed	24.0	25.0	3.0	2.6	12.0	8.2
Big Four 24% Dairy Feed	24.0	27.0	3.5	3.5	12.0	7.1
O. K. Brand 24% Protein Dairy Feed	24.0	23.1	2.5	2.6	15.0	10.2
Big Four 24% Dairy Feed	24.0	23.6	3.0	5.2	12.0	9.1
Big Four 20% Protein Dairy Feed	20.0	23.6	3.0	2.9	12.0	9.4
Big Four 20% Protein Dairy Feed	20.0	19.6	3.0	2.7	12.0	8.6
O. K. Brand 16% Protein Dairy Feed	16.0	17.4	2.5	2.6	15.0	11.4
O. K. Brand 16% Protein Dairy Feed	16.0	17.3	2.5	3.4	15.0	10.9
O. K. Brand 16% Protein Dairy Feed	16.0	18.7	2.5	3.5	15.0	11.0
O. K. Brand 16% Protein Dairy Feed Contained unground weed seeds.	16.0	16.4	2.5	2.9	15.0	12.3
O. K. Brand 16% Protein Dairy Feed Contained unground weed seeds.	16.0	16.6	2.5	2.0	15.0	13.3
O. K. Brand 16% Protein Dairy Feed Contained unground weed seeds.	16.0	17.5	2.5	3.6	15.0	11.2
O. K. Brand 16% Protein Dairy Feed	16.0	16.9	2.5	4.2	15.0	12.5
Big Four 20% Protein Hog Feed	20.0	20.5	3.0	3.4	8.0	5.6
O. K. Brand 16% Hog Feed	16.0	18.0	3.5	3.5	8.0	7.4
O. K. Brand 16% Hog Feed Contained unground weed seeds.	16.0	19.1	3.5	3.4	8.0	6.4
Big Four Sifted Cracked Corn	8.0	8.1	3.5	3.4	3.0	1.7
BI-COUNTY FARM BUREAU COOP. ASSN., ERLANGER, KENTUCKY						
Coop Milkmaid Brand 32% Protein Dairy Feed	32.0	31.2	3.0	2.6	7.0	8.0
THE BLAIR ELEVATOR CORP., ATCHISON, KANSAS						
Certified Brand Hog Fattener	15.0	15.7	3.0	3.6	8.0	7.5
THE BLAIR MILLING COMPANY, ATCHISON, KANSAS						
Wheat Gray Shorts with Screenings	16.0	17.3	4.0	4.0	6.0	7.1
Wheat Bran with Screenings	14.5	16.6	3.75	3.7	10.0	9.1
BOTKINS GRAIN & FEED CO., BOTKINS, OHIO						
Square Deal Cracked Corn	9.0	8.4	2.0	3.1	4.0	1.7
BROADWAY ROLLER MILLS, BOWLING GREEN, KENTUCKY						
Steves 15% Protein Stock Feed	15.0	14.8	3.5	5.2	10.0	7.0
BREMCO MILLS, INC., NEW BREMEN, OHIO						
Med-O-Green Alfalfa Meal	15.0	15.6	1.5	2.2	30.0	27.9
Alfalfa Meal	18.0	17.6	1.5	2.0	27.0	27.8
W. H. BROCK & COMPANY, WINCHESTER, KENTUCKY						
Big B. Scratch Feed	9.0	8.7	2.0	3.8	7.0	3.0
Cracked Corn	8.0	7.4	3.5	3.3	4.0	1.3
THE BRODE CORPORATION, MEMPHIS, TENN.						
Owl Brand 41% Protein Cottonseed Meal Very much below guarantee in protein.	41.0	39.0	5.0	5.2	12.0	13.5

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE BRODE CORPORATION, MEMPHIS, TENNESSEE (Con't)						
Owl Brand 41% Protein Cottonseed Meal	41.0	42.2	5.0	6.7	12.0	9.7
BROWDER MILLING CO., FULTON, KENTUCKY						
Biddie's Choice Laying Mash	20.0	21.2	2.5	4.4	8.0	5.4
Big 16% Dairy Feed	16.0	17.5	3.0	4.7	15.0	8.2
Big 16% Dairy Feed	16.0	15.9	3.0	2.7	15.0	9.9
16% Sweet Dairy Feed	16.0	16.9	3.0	4.0	12.0	6.9
Economy Brand Hog Feed	18.0	20.6	2.5	4.4	8.0	4.8
BROWN-FORMAN DISTILLERS CORP., LOUISVILLE, KENTUCKY						
26% Protein Corn Distillers Dried Grains	26.0	<u>24.1</u>	8.0	<u>6.8</u>	15.0	14.2
THE BUCKEYE COTTON OIL COMPANY, CINCINNATI, OHIO						
Buckeye 44% Protein Soybean Oil Meal	44.0	47.9	.5	.55	7.8	6.7
Buckeye 41% Protein Extracted Cottonseed Meal	41.0	42.1	1.0	1.2	13.0	13.4
BUHNER & COMPANY, LOUISVILLE, KENTUCKY						
Happy Farmer 20% Protein Laying Mash	20.0	20.6	2.5	3.7	8.0	6.3
Happy Farmer Brand 32% Protein & Mineral Dairy Supplement	32.0	33.3	3.0	3.4	7.0	5.4
Farm Joy 16% Dairy Feed	16.0	17.7	2.5	3.5	10.0	6.8
Magnolia White Brand 16% Dairy Feed	16.0	17.4	2.5	2.8	15.0	11.6
Happy Farmer 20% Pig & Sow Ration	20.0	23.0	2.5	3.5	6.0	6.4
Happy Farmer 20% Pig & Sow Ration	20.0	21.7	2.5	2.8	6.0	4.5
Buhner's 41% Protein Cottonseed Meal	41.0	43.4	5.0	6.6	12.0	10.3
Buhner's Ground Oats	11.0	<u>10.4</u>	3.5	4.7	14.0	12.7
Buhner's Ground Oats Contained mixed screenings	11.0	<u>11.0</u>	3.5	4.6	14.0	12.5
BUNDY BROS. MILL COMPANY, MEDORA, INDIANA						
Champion Stock Feed	12.0	12.7	5.0	4.6	7.0	6.0
Medora Wheat Mixed Feed & Screenings	14.0	14.9	3.5	3.2	8.5	7.5
Hominy Feed	10.0	10.0	7.0	<u>6.0</u>	5.50	4.2
Hominy Feed	10.0	10.7	7.0	<u>6.5</u>	5.5	4.4
Hominy Feed	10.0	10.1	7.0	7.4	5.5	3.9
Hominy Feed	10.0	9.6	7.0	<u>6.4</u>	5.5	3.1
Bundy's Ground Barley Very much above quarantee in fiber.	10.0	13.1	2.0	<u>3.3</u>	6.0	<u>10.2</u>
Medora 60% Digester Tankage	60.0	62.5	6.0	6.3	3.0	1.0
Screened Cracked Corn	8.0	<u>7.5</u>	3.5	<u>2.6</u>	3.0	1.3
BUNTON'S SEED CO., LOUISVILLE, KENTUCKY						
Bunton's Quality Brand Laying Mash	19.0	22.5	4.0	3.8	7.0	4.8
Bunton's Quality Brand Scratch Grain	10.0	<u>9.1</u>	3.0	<u>2.1</u>	3.5	2.3
BUTTS MILLING COMPANY, FULTON, KENTUCKY						
Butts Super Brand Hog Feed	16.0	17.7	3.0	2.5	8.0	5.0
Ground Ear Corn with Shuck	7.0	7.0	3.5	3.1	9.0	7.8
CADICK MILLING COMPANY, GRANDVIEW, INDIANA						
Cadick's Gold Dust Scratch Feed	9.0	8.5	3.0	<u>2.5</u>	4.0	1.9
CADIZ MILLING COMPANY, CADIZ, KENTUCKY						
Sunbeam 17% Growing Mash	17.0	18.9	3.5	6.0	6.0	4.8
Hominy Feed	10.0	10.3	5.5	6.8	5.5	4.6
A. O. CALICO, PAINT LICK, KENTUCKY						
Calico's Hog Feed	17.0	17.6	3.5	5.7	8.0	7.7

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CAMPBELL'S FEED MILL, KEVIL, KENTUCKY 41% Cottonseed Meal	41.00	41.5	5.0	4.9	12.0	11.0
CANEYVILLE ROLLER MILL, CANEYVILLE, KENTUCKY Kentucky Farm 18% Laying Mash	18.0	19.3	3.0	5.1	7.5	5.5
Kentucky Farm 40% Protein Hog Supplement	40.0	44.2	3.5	3.6	7.0	5.1
C. W. CANN, CLARKSON, KENTUCKY Cann's 20% Laying Mash	20.0	20.3	3.0	4.4	8.0	8.1
CARLISLE MILL & SUPPLY COMPANY, CARLISLE, KENTUCKY Old Kentucky Mixed Feed	12.5	13.1	3.5	3.1	7.0	5.5
CENTRAL SOYA COMPANY, INC., FORT WAYNE, INDIANA Central 41% Protein Expeller Soybean Oil Meal	41.0	43.9	3.5	4.3	7.0	6.1
Central 41% Protein Expeller Soybean Oil Meal	41.0	44.3	3.5	4.3	7.0	5.5
Central 41% Protein Expeller Soybean Oil Meal	41.0	43.7	3.5	4.7	7.0	6.3
THE CINCINNATI GRAIN & HAY COMPANY, CINCINNATI, OHIO No-Better Brand 16% Protein Sweet Dairy Feed	16.0	17.3	3.0	3.7	11.0	8.3
CITIZENS MILLING CO, SOMERSET, KENTUCKY **Scratch Grains Contained unground weed seeds.	9.0	8.8	3.0	3.7	3.50	2.0**
R. E. CLARK MILLING COMPANY, CHILLICOTHE OHIO Clark's Cracked Corn	7.0	7.9	3.5	3.2	3.0	1.7
Clark's Cracked Corn	7.0	7.5	3.50	3.2	3.0	1.8
Clark's Cracked Corn	7.0	7.9	3.5	3.3	3.0	1.7
CLARKSON MILLING COMPANY, CLARKSON, KENTUCKY Fidelity Brand 18% Protein Pig & Hog Ration	18.0	19.3	3.5	3.9	6.0	4.8
CLELL COLEMAN & SONS, BURGIN, KENTUCKY Coleman's Pig & Hog Feed	16.5	16.6	3.5	4.0	6.0	4.7
Coleman's Pig & Hog Feed	16.50	17.6	3.50	4.1	6.00	5.7
Coleman's Favorite Feed	15.0	15.6	3.5	3.6	8.5	6.4
Coleman's Favorite Feed	15.0	15.0	3.50	3.7	8.50	6.3
Coleman's Cracked Corn	8.0	7.8	3.5	3.9	3.0	1.8
CLIFTY FALLS MILLS, INC., MADISON, INDIANA **Clifty Falls 20% Protein Egg Mash	20.0	18.3	3.5	3.8	7.0	6.4**
Clifty Falls 20% Protein Egg Mash	20.0	21.5	3.5	3.3	7.0	7.1
Clifty Falls Scratch Feed	9.0	8.5	3.0	3.4	5.0	2.9
Clifty Falls 24% Protein Dairy Feed	24.0	27.5	3.0	3.2	10.0	5.6
Clifty Falls 16% Protein Cow Feed	16.0	17.6	3.0	3.2	15.0	7.0
Clifty Falls 18% Protein Pig & Sow Feed	18.0	18.3	3.50	4.7	6.0	4.7
Clifty Falls Horse & Mule Feed	10.0	10.4	2.5	3.2	10.0	4.8
CLINTON HATCHERY, CLINTON, KENTUCKY New Deal Brand 19% Protein Egg Mash	19.0	20.1	3.75	4.5	8.0	5.7
New Deal Brand 17% Protein Cow Feed	17.0	18.8	3.5	4.7	10.0	6.9
New Deal Brand 42% Protein Hog Supplement	42.0	45.9	4.0	5.5	6.0	5.1
CLINTON MILLING COMPANY, CLINTON, KENTUCKY Climco 16% Dairy Feed	16.0	18.4	3.0	2.1	13.0	8.0
Booster Brand Stock Feed	16.0	19.6	3.5	7.4	9.0	6.9
H. C. COLE MILLING COMPANY, CHESTER, ILLINOIS **Omega Soft Red Winter Wheat Bran	13.50	14.4	3.75	3.4	10.00	11.6**
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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
COLEMAN'S FEED STORE, MARION, KENTUCKY Chowmix Laying Feed (All Mash)	15.0	15.0	3.0	3.7	7.0	3.5
THE COLORADO MILLING & ELEVATOR COMPANY, DENVER, COLO. Wheat Gray Shorts and Screenings	16.0	16.3	3.5	4.3	6.0	6.3
COLUMBIAN HOG & CATTLE POWDER COMPANY, KANSAS CITY, MISSOURI Columbian Vitamin Supplement with Yeast Contained mixed screenings.	14.0	19.7	2.5	3.0	18.0	14.0
**Columbian Cattle Powders Calcium Phosphorus Iodine	14.0	14.6				
	4.0	4.2				
		.015				
Contained mixed screenings. Columbian Hog Powders Calcium Phosphorus	11.0	11.8				
	4.0	4.6				
COMMANDER - LARABEE MILLING CO., MINNEAPOLIS, MINN. **Sunfed Winter Wheat Gray Shorts & Screenings Contained Mixed Screenings.	16.0	16.5	3.5	4.4	6.0	6.6**
Sunfed Winter Wheat Gray Shorts & Screenings	16.0	17.9	3.5	6.2	6.0	6.7
COMMUNITY MILLS, BELTON, KENTUCKY Johnson's Egg Mash **Johnson's Dairy Feed **Johnson's Wheat Mixed Feed Contained Mixed Screenings.	20.0	20.9	2.5	3.7	7.0	6.1
	20.0	18.2	3.0	2.8	8.0	5.9**
	15.5	15.0	4.0	3.4	8.5	6.1**
COMMUNITY MILLING COMPANY, IRVINGTON, KENTUCKY Our Pride 20% Protein Laying Mash Our Pride 20% Dairy Feed Our Pride 16% Dairy Feed Soft Wheat Feed with Screenings	20.0	22.8	3.0	3.4	7.5	6.4
	20.0	19.5	3.0	2.5	15.0	10.0
	16.0	15.5	3.0	3.0	15.0	11.1
	12.0	14.7	3.0	3.8	9.0	5.9
CONSOLIDATED PRODUCTS CO., DANVILLE, ILLINOIS Kaff-A-Brand 25% Protein Calf Feed	25.0	27.7	4.0	3.5	2.0	1.0
COOPERATIVE MILLS, INC. CINCINNATI, OHIO Turkey Growing Mash 32% Poultry Supplement Super Brand Laying Mash Super Brand Laying Mash Super Brand Laying Mash Super Brand Laying Mash Egg Maker Egg Maker **Chick Scratch Grains Chick Scratch Coarse Scratch Milk Maker Brand 32% Dairy Supplement Milk Maker Brand 32% Dairy Supplement Milk Maker Brand 24% Dairy Feed Milk Maker Brand 24% Dairy Feed Milk Maker Brand 24% Dairy Feed Milk Maker Brand 20% Dairy Feed Milk Maker Brand 20% Dairy Feed 20% Dairy Feed 20% Dairy Feed	20.0	21.5	3.0	3.4	8.0	6.0
	32.0	33.5	2.5	2.9	8.0	6.3
	20.0	22.5	3.0	3.2	8.0	6.3
	20.0	21.5	3.0	3.2	8.0	5.7
	20.0	21.2	3.0	3.3	8.0	5.6
	20.0	22.4	3.0	3.6	8.0	5.9
	20.0	21.2	3.0	3.8	8.0	6.4
	20.0	21.2	3.0	3.8	8.0	6.1
	9.0	9.8	2.5	1.8	3.0	1.7**
	9.0	9.0	1.5	1.4	3.0	1.5
	10.0	10.3	2.5	2.5	5.0	3.7
	32.0	35.5	3.0	4.0	10.0	6.4
	32.0	36.3	3.0	4.5	10.0	6.4
	24.0	25.3	3.50	4.1	10.0	9.0
	24.0	26.0	3.5	4.7	10.0	7.6
	24.0	26.3	3.5	4.6	10.0	7.8
	20.0	23.6	3.5	4.7	10.0	8.5
	20.00	21.9	3.50	4.3	10.00	6.6
	20.0	21.4	3.0	4.0	12.0	8.1
	20.0	20.6	3.0	2.7	12.0	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.

Regulatory Bulletin No. 95

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
COOPERATIVE MILLS, CINCINNATI, OHIO (Cont'd)						
20% Dairy Feed	20.0	22.6	3.0	3.8	12.0	8.7
20% Drouth Special Dairy Feed	20.0	21.9	3.0	4.0	12.0	8.9
20% Drouth Special Dairy Feed	20.0	21.6	3.0	3.4	12.0	8.7
20% Drouth Special Dairy Feed	20.0	22.7	3.0	2.9	12.0	7.5
Milk Maker Brand 16% Dairy Feed	16.0	18.6	3.5	4.4	10.0	7.8
Special Brand 16% Dairy Feed	16.0	17.9	3.0	3.6	15.0	12.8
Special Brand 16% Dairy Feed	16.0	19.3	3.0	3.7	15.0	10.6
18% Protein Calf Starter	18.0	18.6	3.0	4.4	8.0	6.7
Pork Maker Brand 40% Protein Hog Supplement	40.0	43.6	2.5	3.5	8.5	5.4
Pork Maker Brand 40% Protein Hog Supplement	40.0	42.7	2.5	2.9	8.5	5.3
Pork Maker Brand 40% Protein Hog Supplement	40.0	44.5	2.5	2.3	8.5	5.5
35% Sow & Pig Supplement	35.0	34.7	1.50	2.1	8.50	8.2
20% Pig & Sow Feed	20.0	21.2	3.5	4.0	6.0	5.4
20% Pig & Sow Feed	20.0	21.8	3.5	3.8	6.0	4.6
15% Pork Maker	15.00	16.2	3.50	4.5	8.00	4.5
15% Pork Maker	15.0	17.3	3.5	3.8	8.0	4.9
Rabbit Maker	18.0	19.4	2.5	4.6	10.0	7.7
Sweet Stock Feed	9.00	11.6	2.50	3.4	9.00	5.5
Sweet Stock Feed	9.0	12.2	2.5	3.1	9.0	5.5
Sweet Stock Feed	9.0	12.4	2.5	3.5	9.0	5.8
Wheat Bran with Ground Wheat Screenings	14.0	16.6	3.0	4.2	13.0	9.2
Wheat Standard Middlings with Wheat Screenings	15.0	17.0	3.0	4.8	9.5	8.2
Wheat Standard Middlings with Wheat Screenings	15.00	17.0	3.00	4.7	9.50	7.0
Hominy Feed	9.0	10.6	5.0	6.4	6.0	5.2
Hominy Feed	9.0	10.2	5.0	5.5	6.0	4.6
Hominy Feed	9.0	9.0	5.0	4.8	6.0	3.4
Dried Whey	11.0	17.9	.50	.2	1.0	.1
41% Protein Cottonseed Meal	41.0	40.3	5.0	5.1	13.0	12.7
41% Protein Cottonseed Meal	41.0	42.3	5.0	7.0	13.0	11.2
41% Protein Cottonseed Meal	41.0	41.3	5.0	5.1	12.0	10.6
41% Protein Cottonseed Meal	41.0	41.2	5.0	5.2	13.0	10.5
41% Protein Soybean Oil Meal	41.0	46.1	3.5	3.8	7.0	5.8
**Steamed Bone Meal						
Calcium	27.5	25.5				
Phosphorus	13.0	12.5				
**Steamed Bone Meal						
Calcium	27.5	25.6				
Phosphorus	13.0	12.2				
CRESCENT ROLLER MILLS, COMPANY, TAYLORSVILLE, KENTUCKY						
Crescent 20% Laying Mash	20.0	23.2	2.5	3.4	7.0	5.2
**Crescent 24% Dairy Feed	24.0	21.0	3.0	4.0	10.0	5.2
Very much below guarantee in protein.						
CUNDIFF MILLING CO., COLUMBIA, KENTUCKY						
Scratch Feed (coarse)	9.0	9.0	3.0	2.6	5.0	2.2
CUSTOM FEED MILLS, MORGANFIELD, KENTUCKY						
Custom Maid Pig & Sow Feed	18.0	22.4	3.5	3.6	6.0	6.1
DARLING & COMPANY, CINCINNATI, OHIO						
Darling's Special Brand Steamed Bone Meal	5.0	15.6	.50	3.7	3.0	4.9
Darling's Special Brand Steamed Bone Meal	5.00	15.6	.50	5.6	3.00	2.7
DARNALL'S FEED MILL, BENTON, KENTUCKY						
Darnall's 16% Protein Dairy Feed	16.0	17.3	3.0	3.4	10.0	9.6
Darnall's Hog Fattener	14.0	17.4	3.5	4.2	6.0	6.0

**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, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
DEARBORN MILLS, AURORA, INDIANA						
Success Brand 20% Laying Mash	20.0	20.3	3.0	3.7	8.0	6.5
Success Brand 20% Laying Mash	20.0	20.4	3.0	4.3	8.0	6.8
Success Brand 20% Laying Mash	20.0	20.1	3.0	4.7	8.0	6.8
Dearborn 24% Dairy Feed	24.0	26.1	2.5	4.2	12.5	8.0
Dearborn 16% Dairy Feed	16.00	17.8	2.50	3.9	15.00	10.0
Dearborn Special Brand 16% Dairy Feed	16.00	19.8	2.50	4.1	10.00	10.6
DECATUR SOY PRODUCTS COMPANY, DECATUR, ILLINOIS						
Illini Brand 41% Protein Soybean Oil Meal	41.0	43.0	4.0	5.3	7.0	5.6
Illini Brand 41% Protein Soybean Oil Meal	41.0	43.9	4.0	4.0	7.0	5.6
THE DENVER FLOUR MILLS CO., DENVER, COLO.						
Wheat Gray Shorts with Screenings	16.0	16.4	4.0	3.9	6.0	5.6
DEWEY BROS. COMPANY, BLANCHESTER, OHIO						
Dewco 24% Dairy Feed	24.0	25.1	3.0	4.4	15.0	9.5
W. C. DICKEN, MENTOR, KENTUCKY						
Sunny Grain Brand Pig & Sow Feed	18.0	19.9	3.5	3.8	6.0	5.5
DIXIE MILLS, CO., EAST ST. LOUIS, ILLINOIS						
Dixie 16% Dairy Feed	16.0	19.0	3.0	3.0	14.0	8.2
Dixie 16% Dairy Feed	16.0	18.7	3.0	2.8	14.0	7.8
Dixie 16% Dairy Feed	16.0	19.4	3.0	2.8	14.0	8.3
Dixie Horse & Mule Feed	9.0	9.2	2.5	2.8	12.0	7.4
DIXIE - PORTLAND FLOUR CO., CHATTANOOGA, TENN.						
Red Lion Wheat Gray Shorts	15.0	16.8	4.0	4.4	6.0	6.2
Blue Stock Mixed Feed	11.5	13.9	3.0	4.2	15.0	8.1
Contained mixed screenings.						
DOUTHITT & SPILLMAN FEED MILL, WINGO, KENTUCKY						
Wingo Special Brand 18% Pig & Sow Feed	18.0	19.6	4.0	3.8	6.0	5.6
DOUGHERTY FEED CO., LOUISVILLE, OHIO						
Palmo Medds Feed	16.0	14.5	7.0	8.8	9.0	8.5
Contained oat hull feed.						
DUNCAN, HUGHES & COMPANY, LA GRANGE, KENTUCKY						
Dairymaid 32% Protein Dairy Feed Supplement	32.0	32.4	3.0	2.6	10.0	6.0
Dairymaid 16% Protein Dairy Feed	16.0	17.3	4.5	3.5	9.0	7.2
DYERSBURG OIL MILL CO., DYERSBURG, TENNESSEE						
Dyersburg Oil Mill 41% Protein Cottonseed Meal	41.0	40.4	6.0	6.0	12.0	10.8
Dyersburg Oil Mill 41% Protein Cottonseed Meal	41.0	41.0	6.0	6.1	12.0	10.0
THE EARLY & DANIEL CO., CINCINNATI, OHIO						
Tuxedo Special Brand Egg Mash	20.0	21.5	3.0	4.1	8.0	7.3
Tuxedo Special Brand Egg Mash	20.0	21.2	3.0	4.5	8.0	7.3
Tuxedo Special Brand Egg Mash	20.0	22.8	3.0	4.0	8.0	7.3
Tuxedo Special Brand Egg Mash	20.0	22.5	3.0	4.7	8.0	7.4
Eadan Egg Mash	20.0	23.4	3.0	2.5	8.0	8.6
Eadan Egg Mash	20.0	23.0	3.0	3.2	8.0	8.3
Eadan Egg Mash	20.0	22.5	3.0	3.3	8.0	8.5
Tuxedo 33% Dairy Supplement	33.0	34.8	2.50	2.1	8.50	6.4
Tuxedo 24% Dairy Feed	24.0	26.5	3.0	3.1	9.0	6.7
Tuxedo 24% Dairy Feed	24.0	26.0	3.0	3.5	9.0	6.9
Tuxedo 20% Dairy Feed	20.0	23.0	3.0	4.0	9.5	7.9
Tuxedo Special 20% Dairy Feed	20.0	21.9	3.0	3.4	12.0	11.2

**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 REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO (Cont'd)						
Tuxedo Special 20% Dairy Feed	20.0	22.5	3.0	2.8	12.0	8.9
Tuxedo 16% Dairy Feed	16.0	16.7	3.0	3.0	15.0	14.9
Tuxedo Big Forty Hog Supplement	40.0	41.6	2.5	3.5	7.0	6.2
Calcium	2.8	2.84				
Phosphorus	1.0	1.0				
Iodine	.0005					
Salt	1.25	1.76				
Tuxedo Big Forty Hog Supplement	40.0	43.0	2.5	4.2	7.0	6.1
Calcium	2.8	2.66				
Phosphorus	1.0	.96				
Iodine	.0005					
Salt	1.25	1.71				
Tuxedo Big Forty Hog Supplement	40.0	41.9	2.5	3.3	7.0	6.8
Calcium	2.8	2.7				
Phosphorus	1.0	1.03				
Iodine	.0005					
Salt	1.25	1.67				
Tuxedo Pig and Sow Meal	16.0	18.8	3.0	5.8	6.0	5.1
Tuxedo 19% Hog Ration (Fattening)	19.0	22.6	3.0	3.0	8.0	8.0
Eadan Porkmaker	14.0	14.5	3.0	4.0	8.0	7.3
Tuxedo Special Brand Chop (For horses, mules, & Fitting Livestock)	9.0	11.4	3.0	2.5	12.0	9.8
Tuxedo Bulky Rabbit Ration (Pellets)	15.0	15.8	2.75	3.6	15.0	10.7
Ground Barley	11.0	11.7	2.5	2.0	6.0	7.4
Ground Barley	11.0	11.6	2.5	2.1	6.0	7.8
B. A. ECKHART MILLING COMPANY, CHICAGO, ILLINOIS						
Wheat Red Dog Flour	13.0	15.7	2.5	3.4	4.0	2.3
ELK VALLEY ALFALFA MILLS, INDEPENDENCE, KANSAS						
E-V 17% Fine Ground Dehydrated Alfalfa Meal	17.0	19.6	1.7	2.8	27.0	22.6
ELKTON MILLING COMPANY, ELKTON, KENTUCKY						
Mixed Feed	11.0	11.6	3.0	2.5	5.0	4.2
EMMART PACKING COMPANY, LOUISVILLE, KENTUCKY						
Emmart's 60% Protein Digester Tankage	60.0	60.9	6.0	10.1	3.0	1.5
THE F. L. EMMERT CO., CINCINNATI, OHIO						
Molasso-Malt Brand 22% Protein Dried Brewers Grains & Molasses	22.00	22.3	5.00	4.8	14.00	10.3
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA						
Eshelman Red Rose Starter & Grower	18.00	19.9	3.50	4.8	7.00	5.1
Eshelman Red Rose 24% Protein Dairy Feed	24.0	25.4	3.5	3.5	9.5	5.4
Eshelman Red Rose 24% Protein Dairy Feed	24.0	26.4	3.5	4.0	9.5	8.0
Eshelman Red Rose 24% Protein Dairy Feed	24.0	26.4	3.5	4.0	9.5	7.8
Eshelman Red Rose Fitting Feed (For Dairy Cow)	12.0	14.6	3.50	3.6	7.0	6.6
Eshelman Lancaster Horse Feed	9.0	10.4	2.5	2.7	11.0	7.1
Eshelman S-O-S Brand Feed	11.0	13.2	2.0	2.2	15.0	14.1
EVANS MILLING COMPANY, INDIANAPOLIS, INDIANA						
Emco Hominy Feed	10.0	11.2	5.0	6.3	7.0	4.9
EWING MILL COMPANY, BROWNSTOWN, INDIANA						
Robertson 16% Protein Dairy Feed Contained Oat Hull Feed.	16.0	19.8	3.5	2.7	15.0	9.2

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
EXCHANGE MILLING CO., STURGIS, KENTUCKY Imperial Brand 16% Protein Dairy Feed	16.0	16.0	3.5	3.4	13.0	10.1
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE Famous Brand 32% Poultry Supplement	32.0	33.3	2.5	5.5	6.0	6.3
Famous Brand 32% Protein Dairy Conc.	32.0	36.3	3.0	4.0	9.0	5.9
Famous 16% Dairy Feed	16.0	17.7	2.5	4.1	14.0	6.9
Golden Gain 16% Dairy Feed	16.0	17.3	3.0	5.7	15.0	12.8
Golden Gain 16% Dairy Feed	16.0	16.4	3.0	5.5	15.0	11.6
Golden Gain 16% Dairy Feed	16.0	16.9	3.0	5.5	15.0	12.0
Golden Gain 16% Dairy Feed	16.0	16.6	3.0	6.4	15.0	12.6
Famous Brand Calf Fitting Feed	15.0	16.1	2.5	3.8	12.0	7.5
Famous Brand Pig & Hog Ration	18.0	23.1	3.0	3.6	6.0	5.5
FARMERS FEED MILL, LEXINGTON, KENTUCKY Bo-Jack 24% Protein Dairy Feed	24.0	24.1	3.5	4.6	12.0	7.3
FARMERS FEED MILL, CLOVERPORT, KENTUCKY Farmers Mix Brand 16% Dairy Feed	16.0	18.5	3.0	5.1	10.0	7.3
FARMERS MILLING COMPANY, SOMERSET, KENTUCKY Farmers 16% Mixed Feed	16.0	15.6	4.0	6.9	15.0	9.4
Farmers XXX Brand Stock Feed Contained unground weed seeds.	12.5	11.4	2.5	3.2	15.0	10.5
Farmers Wheat Feed	14.5	15.1	3.0	3.7	8.0	7.0
FARMERS FEED STORE, CENTRAL CITY, KENTUCKY Veribest Brand 20% Protein Laying Mash	20.0	21.0	3.5	3.2	8.0	6.4
Veribest Brand 16% Protein Hog Ration	16.0	18.1	3.5	3.6	7.0	5.5
FARMERS & MERCHANTS MILLING COMPANY, BROOKSVILLE, KENTUCKY Mixed Feed	13.5	14.2	3.0	3.8	8.0	6.1
FARMERS FEED & SUPPLY COMPANY, ARLINGTON, KENTUCKY Farmers 15% Protein Hog Feed	15.0	17.0	3.5	5.2	6.5	4.4
FARMERS SUPPLY CO., DANVILLE, KENTUCKY **Ground Wheat	12.5	11.5	2.0	2.3	2.25	2.6**
FARMERS SUPPLY COMPANY, PAINTSVILLE, KENTUCKY Cracked Corn	8.0	8.1	3.5	3.4	3.0	1.8
FERNCLIFF FEED & GRAIN COMPANY, LOUISVILLE, KENTUCKY P.D.Q. 20% Protein Egg Mash	20.0	22.4	2.5	3.0	8.0	4.1
P.D.Q. Brand Scratch Feed	8.0	8.1	3.0	3.3	5.0	1.7
P.D.Q. Brand Scratch Feed	8.0	8.0	3.0	3.6	5.0	1.9
P.D.Q. Brand Scratch Feed	8.0	8.4	3.0	3.2	5.0	1.6
P.D.Q. Brand Scratch Feed	8.0	8.0	3.0	3.3	5.0	1.7
Cracker Jack 32% Dairy Supplement	32.0	32.3	2.0	2.4	10.0	7.8
Cracker Jack 32% Dairy Supplement	32.0	31.6	2.0	3.0	10.0	7.5
Cracker Jack Brand 24% Protein Sweet Dairy Feed	24.0	25.1	3.0	3.0	10.0	6.5
Ferncliff 24% Dairy Feed	24.0	25.1	2.5	3.1	11.0	8.5
Fernco 24% Dairy Feed	24.0	24.4	2.5	2.5	11.0	8.4
Fernco 24% Dairy Feed	24.0	22.9	2.5	2.8	11.0	8.7
Sweet 16% Dairy Feed	16.0	19.7	2.5	3.0	15.0	11.0
Sweet 16% Dairy Feed	16.0	20.8	2.5	3.2	15.0	13.6
Cracker Jack Brand 40% Pig & Hog Supplement	40.0	41.6	2.0	1.8	8.0	5.2
Cracker Jack Pig & Sow Feed	18.0	19.7	3.0	3.9	6.0	5.6

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Regulatory Bulletin No. 95

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
FERNCLIFF FEED & GRAIN CO, LOUISVILLE, KENTUCKY (Cont'd)						
Cracker Jack Brand Hog Feed	18.0	19.5	2.50	4.4	8.0	3.8
Cracker Jack Horse & Mule Feed	9.0	9.2	3.0	4.1	6.0	4.7
Cracker Jack Screened Cracked Corn	7.00	7.7	3.50	4.0	3.00	1.7
Cracker Jack Screened Cracked Corn	7.0	8.4	3.5	3.1	3.0	1.9
Cracker Jack Hominy Feed	8.5	9.4	5.0	6.5	5.0	2.8
FIELD PACKING CO., OWENSBORO, KENTUCKY						
Field's 60% Protein Digester Tankage	60.0	62.0	5.0	11.9	3.0	0.5
FORT NEGLEY MILLS, NASHVILLE, TENN.						
**Luxury Brand 16% Dairy Feed Contained rice hulls.	16.0	<u>14.6</u>	3.0	3.1	15.0	<u>16.0</u> **
FORTUNE FEED MILLS, NASHVILLE, TENNESSEE						
Fortune 20% Laying Mash	20.0	20.3	3.0	4.2	8.0	4.9
Fortune Liberty 24% Dairy	24.0	26.2	2.5	3.6	14.0	9.3
Fortune Liberty 16% Dairy Feed	16.0	16.5	2.5	5.6	15.0	12.9
Fortune Liberty 40% Hog Supplement	40.0	<u>38.4</u>	2.5	4.0	8.0	5.6
Fortune Liberty Hog Feed	14.0	<u>14.0</u>	2.5	3.8	8.0	4.6
Fortune Liberty 40% Hog Supplement Very much below guarantee in protein. Misbranded.	40.0	<u>35.6</u>	2.5	3.4	8.0	6.0
Fortune 14% Pig & Hog Feed	14.0	14.3	3.0	4.0	6.0	3.5
Fortune Dandy Brand Mixed Feed	10.0	<u>9.2</u>	3.0	6.6	8.0	7.2
Fortune Sweet Feed	8.0	<u>7.3</u>	1.0	2.3	15.0	11.0
Fortune Hominy Feed	9.0	<u>10.4</u>	5.0	7.0	6.0	4.8
HENRY FRUECHTENICHT CO., LOUISVILLE, KENTUCKY						
Producer Starter & Grower Mash	20.0	21.0	3.0	4.4	7.0	5.4
Produce 20% Protein Egg Mash	20.0	21.3	3.0	3.7	7.0	5.3
Producer Scratch Feed	8.0	8.6	2.5	2.6	3.0	2.3
Producer Scratch Feed	8.0	8.8	2.5	3.1	3.0	2.1
Blue Grass 24% Protein Dairy Feed	24.0	27.2	3.0	3.4	9.0	7.1
Producer 24% Protein Dairy Feed	24.0	25.8	3.0	4.3	11.0	8.8
Producer 24% Protein Dairy Feed	24.0	24.7	3.0	4.0	11.0	8.5
Producer 24% Protein Dairy Feed	24.0	24.1	3.0	4.4	11.0	8.5
Producer 24% Protein Dairy Feed	24.00	24.2	3.00	3.8	11.00	9.7
Producer 24% Protein Dairy Feed	24.00	24.9	3.00	5.3	11.0	9.4
Blue Grass 20% Protein Dairy Feed	20.0	23.3	3.0	4.1	9.0	7.5
Blue Grass 20% Protein Dairy Feed	20.0	25.8	3.0	3.8	9.0	7.0
Blue Grass 20% Protein Dairy Feed	20.0	26.1	3.0	4.4	9.0	7.9
Producer 16% Protein Dairy Feed	16.0	17.5	2.5	2.9	15.0	15.4
Producer 16% Protein Dairy Feed	16.0	16.9	2.5	3.0	15.0	13.5
Producer 16% Protein Dairy Feed	16.0	17.8	2.5	2.8	15.0	15.0
Producer 16% Protein Dairy Feed Contained unground weed seeds	16.0	17.1	2.5	2.9	15.0	14.8
Producer 16% Protein Dairy Feed	16.0	16.2	2.5	2.5	15.0	13.7
Producer 16% Protein Dairy Feed	16.0	18.7	2.5	2.7	15.0	11.9
Producer 16% Protein Dairy Feed	16.0	17.8	2.5	2.9	15.0	13.4
Blue Grass 40% Protein Pig & Hog Supplement	40.0	39.7	2.5	4.2	8.0	6.5
Blue Grass 18% Protein Pig & Hog Feed	18.0	20.8	3.5	4.0	6.0	4.9
**Blue Grass Sweet Mixing Feed	9.0	11.2	1.0	1.0	14.0	<u>16.0</u> **
FUHRER-FORD MILLING COMPANY, MT. VERNON, INDIANA						
Wheat Bran	14.5	15.3	4.0	3.7	10.0	10.0
GARDEN STREET MILL & ELEVATOR, LOUISVILLE, KENTUCKY						
Garden 24% Protein Dairy Feed	24.0	27.1	3.0	4.0	15.0	9.0

**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, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GARDEN STREET MILL & ELEVATOR, LOUISVILLE, KENTUCKY (Cont'd)						
Garden 20% Protein Dairy Feed	20.0	25.1	3.0	3.1	15.0	9.0
Garden Special Brand 16% Protein Dairy Feed	16.0	18.5	3.0	3.8	15.0	11.5
Garden Special Brand 16% Protein Dairy Feed	16.0	20.2	3.0	3.7	15.0	10.6
Garden Special Brand 16% Protein Dairy Feed Should have carried 24% Protein tags.	16.0	26.0	3.0	4.1	15.0	10.9
Garden Special Brand 16% Protein Dairy Feed	16.00	18.8	3.00	3.8	15.00	10.7
Garden Special Brand 16% Protein Dairy Feed	16.0	19.0	3.0	3.6	15.0	10.0
GARRARD MILLS, LANCASTER, KENTUCKY						
Moore's Special Brand 16% Dairy Feed	16.0	17.5	3.0	2.7	9.0	4.9
Glen Lily Mixed Feed	12.50	12.6	3.50	4.0	6.00	5.4
THE J. I. GATES MILLING COMPANY, COLUMBUS, OHIO						
Special Economy Brand 24% Dairy Feed	24.0	23.2	2.5	2.3	15.0	9.3
Economy Special Brand 24% Dairy Feed	24.0	25.5	2.5	2.2	15.0	11.8
Economy Brand 16% Protein Dairy Feed	16.0	19.3	2.5	1.9	15.0	11.9
Economy Brand 16% Protein Dairy Feed	16.0	19.1	2.5	1.7	15.0	10.3
GENERAL DISTRIBUTORS, COVINGTON, KENTUCKY						
General Feeds Made Rite Brand Pig Starting and Weaning Meal Contained unground weed seeds.	16.0	17.8	3.5	3.8	6.0	6.5
GENERAL MILLS, INC., MINNEAPOLIS, MINN.						
Larro 27% Protein Turkey Finisher	27.0	30.3	3.0	2.9	8.0	6.4
Larro 20% Protein Poultry Breeder Mash	20.0	21.4	3.5	2.7	8.0	6.4
Larro Egg Mash	20.0	20.9	3.0	2.9	8.0	6.8
Larro 20% Protein Egg Mash	20.0	22.6	3.0	3.6	8.0	6.5
Larro 32% Protein Dairy Concentrate	32.0	35.0	2.0	2.0	11.0	6.8
Larro 20% Dairy Feed	20.0	23.5	2.5	2.6	12.0	8.0
Larro 20% Dairy Feed	20.0	22.2	2.5	2.9	12.0	8.6
Larro Special 16% Dairy Feed	16.0	23.5	2.5	3.1	12.0	8.2
Larro 24% Protein Calf Builder	24.0	25.0	2.5	3.1	6.0	4.4
Dried Molasses Beet Pulp	7.0	9.8	.30	.04	20.0	17.8
Washburn's Gold Medal Brand Adrian Hard Wheat Red Dog	16.0	17.1	3.5	3.9	4.0	2.2
Sonny South Wheat Gray Shorts with Screenings	15.0	15.1	3.5	3.8	6.0	5.1
Sonny South Wheat Gray Shorts and Screenings	15.0	15.5	3.5	4.0	6.0	4.4
Sonny South Wheat Mixed Feed & Screenings	14.5	15.8	3.5	3.5	9.0	5.4
Sonny South Wheat Bran	14.0	15.7	3.5	3.1	11.0	9.0
GERMANTOWN MILLING CO., GERMANTOWN, KENTUCKY						
Mixed Feed	13.0	14.1	3.0	3.7	8.0	6.0
Mixed Feed	13.0	14.1	3.0	3.6	8.0	6.0
GLASGOW TRADING CENTER, GLASGOW, KENTUCKY						
Chowmix 16% Dairy Feed Contained unground weed seeds	16.0	18.4	3.0	2.3	10.0	9.6
GLIDDEN COMPANY, INDIANAPOLIS, INDIANA						
Glidden Laying Mash	20.0	20.4	2.5	3.3	8.0	5.9
Glidden 16% Dairy Feed	16.0	19.3	2.50	3.0	9.0	8.5
Glidden 18% Pig Starter	18.0	20.3	2.5	3.4	6.0	3.8
Glidden 14% Pork Fattener	14.0	14.8	2.5	3.2	6.0	5.6
EDWARD F. GOEKE SONS, EVANSVILLE, INDIANA						
Goeke's 40% Protein Hog Supplement	40.0	39.8	3.0	1.6	6.0	5.1

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GOOCH FEED MILL CO., LINCOLN, NEBRASKA						
Gooch's Best Brand 20% Protein Layer Breeder Mash	20.0	21.7	3.5	3.9	7.5	7.6
THE GOLDCAMP MILL CO., IRONTON, OHIO						
Gold-Co. 16% Dairy Feed	16.0	18.1	3.5	3.3	12.0	13.1
GRAYSON MILLING COMPANY, GRAYSON, KENTUCKY						
Blue Grass Cracked Corn	8.0	8.3	3.5	3.3	3.0	2.1
Blue Grass Cracked Corn	8.0	8.2	3.5	3.4	3.0	2.0
Corn By-Product Feed	10.0	9.3	6.0	6.9	8.0	6.1
Corn By-Product Feed	10.0	<u>8.8</u>	6.0	6.3	6.0	6.2
THE GREEN FARMS, FALLS OF ROUGH, KENTUCKY						
Scratch Feed	8.0	8.7	3.0	2.7	3.50	2.3
GWINN BROS. & COMPANY, HUNTINGTON, W. VIRGINIA						
Gwinn's Early Lay Brand 20% Laying Mash	20.0	21.2	3.5	3.4	8.0	6.6
Gwinn's Merit Brand 20% Laying Mash	20.00	19.6	3.00	3.0	8.00	6.5
Contained screenings and unground weed seeds.						
Banner 24% Dairy Feed	24.0	25.5	3.0	3.2	15.0	11.6
Banner 24% Dairy Feed	24.0	27.9	3.0	2.7	15.0	12.3
Excess Urea.						
Gwinn's Tip Top Brand 24% Dairy Feed	24.0	27.7	2.5	2.0	15.0	12.0
Gwinn's Tip Top Brand 24% Dairy Feed	24.00	28.3	2.50	3.2	15.00	11.9
Sweet Acre 16% Dairy Feed	16.0	15.7	2.5	3.8	15.0	14.6
Gwinn's 95% Grain Horse Feed	9.0	9.9	2.5	3.8	12.0	6.4
Gwinn's 95% Grain Horse Feed	9.0	10.1	2.5	3.6	12.0	6.6
Gwinn's Red Brand Stock Feed	12.0	11.5	3.0	3.0	9.0	5.7
Gwinn's Mixed Feed and Screenings	13.5	13.5	4.0	4.0	7.5	7.7
Gwinn's Mixed Feed and Screenings	13.50	14.3	4.00	4.0	7.50	7.4
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS						
Red Comb 20% Protein Egg Mash	20.0	21.6	3.0	3.4	7.0	6.3
Red Comb 20% Protein Egg Mash	20.0	21.3	3.0	3.3	7.0	6.0
Pioneer 18% Protein Dairy Feed	18.0	20.6	3.0	3.4	9.0	7.3
Gold Flake 16 1/2% Protein Dairy Feed	16.5	17.3	2.5	2.2	15.0	9.8
Harvest 16% Protein Dairy Feed	16.0	17.4	2.5	3.4	15.0	10.5
Contained screenings and unground weed seeds.						
Harvest 16% Protein Dairy Feed	16.0	16.1	2.5	2.8	15.0	9.4
Contained screenings.						
Harvest 16% Protein Dairy Feed	16.0	14.4	2.5	2.2	15.0	15.4
Harvest 16% Protein Dairy Feed	16.0	<u>16.2</u>	2.5	2.6	15.0	7.5
Pioneer 21% Protein Sow & Pig Feed	21.0	23.2	3.0	3.5	6.0	5.4
HALL & HAYWOOD, MORRISTOWN, TENNESSEE						
H & H Distillers Dried Grains	28.0	<u>25.7</u>	9.0	<u>7.9</u>	12.0	8.4
Very Much below guarantee in protein.						
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY						
Arrow 20% Protein Egg Mash	20.0	21.4	3.0	3.9	7.0	5.9
Arrow 20% Protein Egg Mash	20.0	21.1	3.0	4.5	7.0	5.3
Arrow Scratch Grains	8.0	8.6	2.5	2.7	3.0	1.9
Arrow 24% Protein Dairy Feed	24.0	24.0	3.0	4.4	11.0	9.6
Arrow 16% Dairy Feed	16.0	15.5	3.0	2.8	15.0	13.5
Arrow 16% Protein Dairy Feed	16.0	<u>15.0</u>	3.0	2.6	15.0	16.3
Arrow 16% Protein Dairy Feed	16.0	<u>16.6</u>	3.0	3.0	15.0	14.4
Arrow 16% Protein Dairy Feed	16.0	15.9	3.0	3.6	15.0	13.5

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HARDIN MILLING CO., HARDIN, KENTUCKY						
Marco 18% Protein Laying Mash	18.0	23.0	4.0	4.2	7.0	7.0
Marco 18% Protein Hog Fattener	18.0	20.1	3.0	4.0	8.0	7.5
HARDY BROS., FEED MILL, BUTLER, KENTUCKY						
Master 18% Dairy Feed	18.0	18.7	3.0	3.1	10.0	6.5
R. L. HARRISON & SON, BAGDAD, KENTUCKY						
Harrison's 24% Protein Dairy Feed	24.0	26.2	3.5	<u>1.3</u>	12.0	10.5**
Bulky Brand 16 1/2% Protein Dairy Feed	16.50	18.5	3.75	<u>2.2</u>	15.00	9.0
Harrison's Cracked Corn	9.0	7.5	3.75	<u>2.8</u>	2.5	1.7
Harrison's Cracked Corn	9.0	7.4	3.75	<u>3.1</u>	2.5	1.6
Harrison's Cracked Corn	9.00	<u>8.2</u>	3.75	<u>3.0</u>	2.5	1.6
THE P. H. HARSHA MILLING COMPANY, PORTSMOUTH, OHIO						
Harsha's Dixie-Sweet Brand 16% Dairy Feed	16.0	19.0	3.0	3.2	12.0	5.9
Wheat Bran and Screenings	14.5	15.2	3.5	3.2	10.0	8.1
Cracked Corn	8.0	7.9	3.0	3.3	2.50	1.4
G. M. HAYCRAFT & SONS, LEITCHFIELD, KENTUCKY						
Haycraft's 18% Laying Mash	18.0	18.7	2.5	3.4	7.0	5.2
Haycraft's 18% Protein Growing Hog Feed	18.0	20.8	3.0	3.4	6.0	4.0
HAYDON MILL & GRAIN CO., SPRINGFIELD, KENTUCKY						
Magic Brand Scratch Feed	8.0	8.3	2.0	2.5	5.0	1.9
Contained unground weed seeds.						
Magic Brand 4-2-2 Brand 16% Dairy Feed	16.0	17.3	3.0	2.7	12.0	5.1
Magic Brand 37% Protein Hog Supplement	37.0	39.5	3.0	3.1	12.0	5.4
Magic Brand 16% Sow & Pig Feed	16.0	15.6	3.0	5.8	5.5	5.8
Magic Brand 16% Sow & Pig Feed	16.00	16.6	3.00	6.0	5.50	5.0
Magic Brand Wheat Gray Shorts with Screenings	11.0	12.5	3.0	2.8	6.0	5.9
Magic Brand Mixed Feed	11.0	14.3	3.0	3.0	10.0	6.7
HEAVEN HILL DISTILLERIES, INC., BARDSTOWN, KENTUCKY						
Corn Distillers Dried Grains	26.00	27.6	8.00	7.7	15.00	9.3
DR. HEINZ CO., WASHINGTON C. H., OHIO						
Heinz Nu-Way 24% Dairy Feed	24.0	26.5	3.0	3.0	9.0	7.7
HENDERSON FEED & COMMISSION CO., HENDERSON, KENTUCKY						
Cracked Corn	9.0	<u>7.5</u>	3.75	3.4	2.5	2.1
HERNING'S MILL, HAZEL, KENTUCKY						
Herning's Special Brand 20% Egg Mash	20.0	19.7	2.5	3.8	7.0	5.3
HICKMAN COUNTY FEED MILLS, CLINTON, KENTUCKY						
Standard Brand 16% Protein Dairy Feed	16.0	15.7	2.5	2.9	10.0	<u>10.9</u>
HIGGINSVILLE FLOUR MILL, HIGGINSVILLE, MISSOURI						
Wheat Gray Shorts & Screenings	16.0	<u>12.9</u>	4.0	<u>2.0</u>	5.5	4.0
Very much below guarantee in protein and fat.						
HOME MILLING CO., GREENVILLE, KENTUCKY						
Happy Home 18% Protein Laying Mash	18.0	19.4	3.50	4.3	8.0	7.9
Happy Home All Mash Poultry Ration	18.0	19.6	3.5	4.1	7.0	6.9
Happy Home 24% Dairy Feed	24.0	25.3	4.0	3.2	8.0	9.1
Happy Home 24% Dairy Feed	24.0	25.7	4.0	<u>5.0</u>	8.0	<u>8.0</u>
Happy Home 16% Sweet Dairy Feed	16.0	17.7	3.0	3.9	15.0	13.1
Contained unground weed seeds.						

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HOME MILLING COMPANY, GREENVILLE, KENTUCKY (Cont'd)						
Happy Home 16% Sweet Dairy Feed	16.0	17.6	3.0	4.1	15.0	13.5
Champion Brand 18% Hog Ration	18.0	19.3	3.0	5.1	8.0	7.6
Happy Home Hog Ration	16.0	17.9	3.0	5.9	8.0	9.8
Happy Home Hog Ration	16.0	17.0	3.0	6.5	8.0	6.8
Happy Home Hominy Feed	10.0	10.2	7.0	5.5	6.0	4.7
Happy Home Cracked Corn	9.0	7.4	3.75	3.1	2.5	1.9
Happy Home Crushed Ear Corn and Shuck	7.50	7.2	3.25	3.1	9.0	6.1
Champion Oat Mill Feed	10.0	9.9	3.5	3.9	18.0	17.4
HOPKINSVILLE MILLING COMPANY, HOPKINSVILLE, KENTUCKY						
Sunflower Brand 26% Protein Dairy Feed	26.0	26.5	4.0	4.2	10.0	10.7
HORSE CAVE MILLS, HORSE CAVE, KENTUCKY						
Superior Brand Mixed Feed	12.00	12.4	3.00	3.4	8.00	6.5
HUEGELY ELEVATOR COMPANY, NASHVILLE, ILLINOIS						
Huegely Elevator Company Expeller Soybean Oil Meal	41.0	42.5	3.5	4.3	7.0	6.3
EDWIN C. HAWKINS, PADUCAH, KENTUCKY						
Record Brand 20% Egg Mash	20.0	21.1	3.5	4.4	7.0	6.1
Record Brand 20% Egg Mash	20.0	20.3	3.5	3.9	7.0	6.3
Record Brand 34% Dairy Supplement	34.00	30.1	3.0	3.2	15.00	7.2
Very much below guarantee in protein.						
Cremo 16% Dairy Feed	16.0	15.5	3.0	2.4	15.0	13.0
Record Brand 40% Protein Hog Concentrate	40.0	36.0	3.0	4.1	8.0	4.3
Very much below guarantee in protein.						
Misbranded.						
Record Brand 40% Protein Hog Concentrate	40.0	35.2	3.0	3.9	8.0	5.8
Very much below guarantee in protein.						
Misbranded.						
Old Maud Oat Hulls, Corn, Oats, Alfalfa Meal, Molasses, Salt, & Ground Limestone	7.0	6.5	1.0	1.8	20.0	15.7
IGLEHEART BROTHERS, INCORPORATED, EVANSVILLE, INDIANA						
Wheat Bran	13.5	16.0	3.5	3.2	11.0	8.4
ISMERT-HINCKE MILLING COMPANY, KANSAS CITY, MISSOURI						
I-H Wheat Gray Shorts and Screenings	16.0	17.0	4.0	3.9	6.0	5.5
JACKSON COTTON OIL MILL, JACKSON, TENNESSEE						
Bell Cow Brand 41% Protein Cottonseed Meal	41.0	41.8	5.0	5.5	12.0	9.6
Bell Cow Brand 41% Protein Cottonseed Meal	41.0	40.7	5.0	6.0	12.0	11.5
JAMUP MILLS, MURFREESBORO, TENNESSEE						
Jamup 16% Dairy Feed	16.0	18.2	3.0	3.2	15.0	11.9
KASCO MILLS, INC., TOLEDO, OHIO						
Kasco Poultry Breeder Mash	20.0	21.4	3.0	3.6	7.5	6.4
Kasco Mormilk Brand Dairy Feed	24.0	23.5	3.5	4.2	10.0	8.3
Apparently cottonseed meal contained an excess of hulls.						
Kasco Mormilk Brand Dairy Feed	24.0	26.8	3.5	4.5	10.0	9.4
Kasco Beatsall Milk Grains Brand 20% Protein Dairy Feed	20.0	21.6	3.5	3.6	10.0	8.6
Kasco 18% Protein Dairy Feed	18.0	20.4	2.5	2.9	10.0	9.4
Kasco Beatsall Milk Grains Brand 16% Protein Dairy Feed	16.0	19.2	3.5	3.9	10.0	7.6

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
KASCO MILLS, INC., TOLEDO, OHIO (Cont'd)						
Kasco 16% Protein Sweet Dairy Feed	16.0	17.3	3.0	3.2	12.0	10.9
Kasco 16% Protein Sweet Dairy Feed	16.0	17.7	3.0	3.5	12.0	10.8
Kasco 40% Protein Hog Supplement	40.0	41.7	2.0	2.7	7.0	5.7
KECO MILLING CO., MCKENZIE, TENN.						
Keco 18% Pig V Hog Feed	18.0	19.2	3.5	5.6	6.0	5.9
Keco Wheat Gray Shorts & Screenings	15.0	16.2	4.0	3.5	6.0	6.2
KENTUCKY ANIMAL BY PRODUCTS CO., RUSSELLVILLE, KENTUCKY						
Blue Ribbon Brand 50% Tankage	50.0	53.2	6.0	19.5	3.0	2.9
KENTUCKY COTTON & GRAIN CO., HICKMAN, KENTUCKY						
Kentucky Corn Chops	8.5	<u>7.3</u>	3.5	3.5	3.0	1.7
F. W. KIBLER MILLING COMPANY, MT. ORAB, OHIO						
Kibler 34% Protein Dairy Supplement	34.0	34.6	3.0	6.4	12.0	6.7
Kibler 24% Protein Dairy Feed	24.0	28.0	3.5	4.7	12.0	7.5
Star 16% Protein Dairy Feed	16.00	18.7	3.50	3.5	15.00	13.8
LAKE COUNTY OIL MILL, TIPTONVILLE, TENNESSEE						
41% Protein Cottonseed Meal	41.0	43.1	4.0	3.6	10.0	7.9
41% Protein Cottonseed Meal	41.0	40.6	5.5	<u>3.8</u>	10.0	9.8
LAUHOFF GRAIN CO., DANVILLE, ILLINOIS						
Vermilion Hominy Feed	9.0	9.1	5.0	5.5	6.0	4.5
Vermilion Hominy Feed	9.0	9.5	5.0	4.9	6.0	4.2
Vermilion Hominy Feed	9.0	8.9	5.0	4.3	6.0	3.1
Vermilion Hominy Feed	9.0	10.0	5.0	<u>5.1</u>	6.0	4.3
LEWISBURG ROLLER MILLS, LEWISBURG, KENTUCKY						
Coon Range 35% Protein Hog Supplement	35.0	39.3	3.5	5.2	7.5	7.1
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY						
Thoroughbred Brand 20% Protein Egg Mash	20.0	22.2	4.0	4.3	8.0	6.0
Thoroughbred Brand (Kentucky Queen) 20% Protein Egg Mash	20.0	21.6	4.0	3.7	8.0	5.8
Thoroughbred Brand (Kentucky Queen) 20% Protein Egg Mash	20.0	20.5	4.0	3.8	8.0	6.4
Capitol Brand Scratch Feed	8.0	8.6	2.5	2.8	3.0	1.8
Thoroughbred Brand 24% Protein Sweet Dairy Feed	24.0	26.0	3.0	2.9	8.0	7.9
Thoroughbred Brand 24% Protein Sweet Dairy Feed	24.0	24.9	3.0	3.4	8.0	7.5
Thoroughbred Brand 24% Protein Sweet Dairy Feed	24.0	25.7	3.0	2.9	8.0	8.2
Sweet Sue 24% Protein Sweet Dairy Feed	24.0	23.9	3.0	3.1	13.0	10.0
Thoroughbred Brand 16% Protein Sweet Dairy Feed	16.0	18.9	3.0	2.9	13.0	7.4
Thoroughbred Brand 16% Protein Sweet Dairy Feed	16.0	18.3	3.0	3.2	13.0	7.9
Thoroughbred Brand 16% Protein Sweet Dairy Feed	16.0	18.9	3.0	2.7	13.0	6.7
Contained unground weed seeds.						
Bossie Stock Feed	13.0	13.9	3.0	2.7	11.0	9.2
Contained unground weed seeds.						
Bossie Stock Feed	13.0	14.9	3.0	3.7	11.0	8.0
Bossie Stock Feed	13.0	14.4	3.0	3.2	11.0	8.4
Bossie Stock Feed	13.0	15.3	3.0	3.2	11.0	7.8
Contained unground weed seeds.						

**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 REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY (Cont'd)						
Bossie Stock Feed	13.0	16.0	3.0	3.5	11.0	8.5
Contained unground weed seeds.						
Bossie Stock Feed	13.0	16.2	3.00	3.5	11.00	8.3
Thoroughbred Brand 16% Pig & Hog Ration	16.0	17.8	3.0	3.3	6.0	6.8
Thoroughbred Brand 16% Pig & Hog Ration	16.0	15.8	3.0	4.0	6.0	5.4
Thoroughbred Brand 16% Pig & Hog Ration	16.00	18.3	3.00	3.8	6.00	6.9
Contained screenings and unground weed seeds.						
Thoroughbred Brand Horse & Mule Feed	9.0	8.7	3.0	3.3	6.0	5.8
Thoroughbred Wheat Brown Shorts & Screenings	15.0	14.9	4.0	3.5	7.5	6.4
Thoroughbred Wheat Brown Shorts & Screenings	15.0	15.2	4.0	4.0	7.5	7.8
Thoroughbred Wheat Brown Shorts & Screenings	15.0	15.9	4.0	3.8	7.5	7.0
Thoroughbred Wheat Brown Shorts & Screenings	15.00	15.5	4.00	4.0	7.50	7.3
LOFTON'S MILL, PROVIDENCE, KENTUCKY						
Farmers' 16% Protein Dairy Feed	16.0	18.8	3.0	4.0	15.0	9.3
LONDON FEED & MILLING CO., LONDON, KENTUCKY						
Laurel Special Brand 24% Sweet Dairy Feed	24.00	24.9	3.0	3.6	9.0	6.9
Laurel Special Brand Complete Pig & Sow Feed	16.0	20.0	3.0	5.0	6.0	5.5
THE LOUDONVILLE MILLING COMPANY, LOUDONVILLE, OHIO						
Le Grande Soft Winter Wheat Brown Middlings with Screenings	13.5	14.0	4.0	3.9	7.0	6.9
LOUISVILLE SOY PRODUCTS CORP., LOUISVILLE, KENTUCKY						
Lou Soy 44% Protein Solvent Soybean Oil Meal	44.0	47.8	.50	1.7	7.0	5.1
44% Protein Soybeans Oil Meal	44.0	47.7	.50	2.4	7.0	5.4
L. B. LOVITT & COMPANY, MEMPHIS, TENNESSEE						
Lovit Brand 41% Protein Cottonseed Meal	41.0	40.9	4.0	5.8	13.0	10.4
Lovit Brand 41% Cottonseed Meal	41.0	42.1	4.0	4.6	13.0	10.3
Lovit Brand 41% Protein Cottonseed Meal	41.0	41.3	4.0	6.9	13.0	10.3
LYNN GROVE MILLING CO., LYNN GROVE, KENTUCKY						
Wheat Bran & Shorts	14.0	15.5	3.5	3.2	8.0	6.3
LUXORA GIN COMPANY, LUXORA, ARKANSAS						
17% Dehydrated Alfalfa Meal	17.0	<u>12.3</u>	1.5	2.0	27.0	<u>27.8</u>
Very much below guarantee in protein. Misbranded.						
17% Dehydrated Alfalfa Meal	17.0	<u>9.2</u>	1.5	2.3	27.0	<u>29.7</u>
Very much below guarantee in protein. Very much above guarantee in fiber. Misbranded.						
MAYFIELD MILLING CO., MAYFIELD, KENTUCKY						
Economy Brand 16% Protein Dairy Feed	16.0	18.1	3.0	3.5	14.0	8.6
Corn by-product Feed	10.0	9.4	5.0	5.8	6.0	4.3
**State Leader 40% Protein Hog Supplement	40.0	40.0	4.0	6.0	7.0	6.5
Calcium	3.0	5.3				
Phosphorus	3.0	2.22				
Salt	3.0	4.2				
State Leader 40% Protein Hog Supplement	40.0	40.9	4.0	6.4	7.0	5.8
Calcium	3.0	5.8				
Phosphorus	3.0	2.5				
Salt	3.0	3.8				
State Leader Cracked Corn	8.0	6.7	3.0	3.4	3.0	1.5
State Leader Wheat Bran	14.0	15.2	3.0	3.0	12.0	9.5

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
MARBLEHEAD LIME COMPANY, CHICAGO, ILLINOIS						
Marblehead Mineral Base #20						
Calcium	30.0	32.0				
Phosphorus	2.0	2.3				
Iodine	.038					
Salt	10.0	8.6				
MASTER FEED & SEED COMPANY, LOUISVILLE, KENTUCKY						
Gilt Edge 20% Protein Dairy Feed	20.0	21.3	3.0	2.8	10.0	6.4
Gilt Edge 16 1/2% Dairy Feed	16.5	15.3	3.0	2.7	10.0	5.6
McCARLEY & RICHARDSON, RUSSELLVILLE, KENTUCKY						
Victory Scratch Feed	8.0	8.9	3.0	3.0	3.5	2.0
McGINNIS COMPANY, HUNTINGTON, W. VIRGINIA						
Reliable Brand 24% Protein Dairy Feed	24.0	23.9	4.0	3.1	12.0	6.5
Reliable Brand Cracked Corn (Screened)	8.0	7.6	3.5	3.4	3.0	1.6
McMILLEN FEED MILLS, FORT WAYNE, INDIANA						
Master Mix M-V Breeder Mash	20.0	21.1	2.5	3.7	7.0	6.1
Master Blend 33% Protein Dairy Concentrate	33.0	34.3	2.0	2.7	9.0	6.3
Calcium	2.4	3.5				
Phosphorus	.70	.91				
Iodine	.0003					
Salt	2.5	1.92				
Master Soy 40% Supplement	40.0	40.7	.50	1.1	6.5	5.5
Calcium	3.0	2.96				
Phosphorus	.85	.94				
Iodine	.0004					
Salt	1.00	1.01				
Master Mix M-V Protein Sow & Pig Conc.	35.0	36.2	1.5	2.0	9.0	6.7
Calcium	3.8	4.62				
Phosphorus	.85	1.19				
Iodine	.0005					
Salt	1.6	1.64				
Master Mix 35% Hog Concentrate	35.0	34.0	1.5	2.1	9.0	7.6
Calcium	3.8	4.98				
Phosphorus	1.0	1.24				
Iodine	.0005					
Salt	1.6	1.87				
Master Mix 35% Hog Concentrate	35.0	33.9	1.5	2.5	9.0	7.3
Calcium	3.8	4.7				
Phosphorus	1.0	1.3				
Iodine	.0005					
Salt	1.6	1.3				
MEEKS FEED & GRAIN COMPANY, BROOKSPORT, ILLINOIS						
Mix Rite Horse & Mule Feed	9.0	13.1	2.0	2.9	15.0	11.5
MELBER ROLLER MILLS, MELBER, KENTUCKY						
Kay 16% Dairy Feed	16.0	16.6	3.0	3.5	15.0	9.7
THE MENNEL MILLING COMPANY, TOLEDO, OHIO						
Memo Wheat Gray Middlings with Screenings	15.0	14.8	4.0	4.3	6.0	6.1
MERO MILLS, NASHVILLE, TENNESSEE						
Dutch Maid 20% Dairy Feed	20.0	21.7	3.0	2.5	15.0	5.9

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
METZGER BROS., PADUCAH, KENTUCKY						
Tankage with Bone	47.0	46.7	10.0	14.8	2.0	1.5
Tankage with Bone	47.0	<u>46.1</u>	10.0	14.5	2.0	1.0
MIDGET MILLS, SOMERSET, KENTUCKY						
24% Protein Dairy Feed	24.0	27.6	3.0	<u>1.8</u>	10.0	6.4
MIDDLESBORO MILLING CO., MIDDLESBORO, KENTUCKY						
Hard to Beat Feed	13.0	12.7	3.5	4.1	8.0	5.1
THE MODEL MILL COMPANY, JACKSON, TENNESSEE						
Model Mill's Growing Mash	18.0	19.1	4.0	3.6	6.0	<u>6.8</u>
Contained unground weed seed and screenings.						
Momico Sure-Lay Brand Laying Mash	20.0	20.6	3.5	4.5	6.5	6.4
Momico 24% Protein Dairy Feed	24.0	24.3	2.5	3.1	10.0	10.5
Momico 16% Protein Dairy Feed	16.0	18.2	2.5	3.7	15.0	12.2
Contained unground weed seeds.						
Momico 40% Hog Supplement	40.0	<u>37.9</u>	4.0	6.3	8.0	6.4
Very much below guarantee in protein.						
MOHAWK ROLLER MILLS, MOHAWK, TENN.						
Mohawk 20% Protein Laying Mash	20.0	20.8	3.5	4.1	8.0	6.3
MONARCH MILLING COMPANY, MT. STERLING, KENTUCKY						
Mixed Feed with Screenings	12.0	11.9	3.0	2.6	8.0	5.0
Contained unground weed seeds.						
Ground Wheat	13.0	<u>11.1</u>	2.0	1.9	3.0	2.9
MONROE SWEET FEED MILL, TOMPKINSVILLE, KENTUCKY						
Double Duty Brand Pig & Hog Ration	18.0	18.8	2.5	3.7	6.0	5.0
MOORMAN MANUFACTURING CO., QUINCY, ILLINOIS						
Moorman's 45% Protein & Mineral Steer Supplement	45.0	45.3	3.0	4.0	7.5	7.4
Calcium	2.7	3.4				
Phosphorus	1.0	1.2				
Iodine	.0025					
Salt	3.8	3.3				
Moorman's 43% Protein & Mineral Pig Supp.	43.0	44.9	2.0	3.9	5.5	4.0
Calcium	3.8	3.91				
Phosphorus	1.2	1.45				
Iodine	.003					
Salt	2.5	2.51				
MORGANTOWN FEED MILL, MORGANTOWN, KENTUCKY						
Flavo Brand 20% Protein Dairy Feed	20.0	22.9	3.0	3.1	10.0	6.6
Flavo Brand 18% Protein Pig & Sow Ration	18.0	20.1	2.5	3.2	6.0	5.3
Flavo Brand Hog Fattener	15.0	15.9	2.5	3.6	8.0	4.8
MUNFORDVILLE MILLING COMPANY, MUNFORDVILLE, KENTUCKY						
Purity Brand 20% Protein Starter & Grower	20.0	20.3	3.0	4.7	7.0	5.3
Purity Brand 20% Protein Laying Mash	20.0	19.8	3.5	4.5	7.0	5.7
Purity Brand 18% Protein Laying Mash	18.0	19.5	3.5	4.5	7.0	5.7
Purity Brand 14% Hog Fattener	14.0	15.8	4.0	4.0	7.0	5.4
MURPHY GRAIN & MILLING COMPANY, OWENSBORO, KENTUCKY						
Airolite Scratch Grains	9.0	9.3	3.0	2.8	3.5	2.0
Airolite Hominy Feed	10.0	9.7	7.0	<u>6.1</u>	6.0	4.1

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
MURPHY GRAIN AND MILLING COMPANY, OWENSBORO, KENTUCKY (Cont'd)						
Airolite Hominy Feed	10.0	<u>9.3</u>	7.0	<u>5.6</u>	6.0	4.0
MURRAY MILLING CO., MURRAY, KENTUCKY						
Screened Cracked Corn	8.5	8.1	3.5	3.5	3.0	2.1
Ground Wheat	12.5	11.3	2.0	1.6	2.0	2.5
Ground Wheat	11.0	<u>11.4</u>	1.5	1.7	2.0	2.9
Corn By-Product Feed	9.0	9.2	6.0	8.4	4.5	<u>6.8</u>
MYERS & CLARK CO., INC., ASHLAND, KENTUCKY						
Ideal Brand 20% Laying Mash	20.0	21.0	3.0	4.7	8.0	6.2
Ideal Brand 18% Protein Laying Mash	18.0	20.4	3.0	4.3	8.0	6.2
Ideal Brand 24% Protein Dairy Feed	24.0	25.3	3.0	3.5	14.0	10.1
Ideal Brand 24% Protein Dairy Feed	24.0	26.0	3.0	3.4	14.0	9.0
Ideal Brand Pork Maker	14.0	14.5	3.0	4.4	8.0	7.4
Steel Cut Corn	8.0	8.8	3.5	3.3	3.0	1.8
NATIONAL ALFALFA DEHYDRATING & MILLING COMPANY, LAMAR, COLORADO						
Leafalfa Brand 20% Alfalfa Leaf Meal	20.0	21.8	2.5	2.2	18.0	16.9
Alfalfa Meal	13.0	12.9	1.0	.8	33.0	36.4
Jack Rabbit Dehydrated Alfalfa Meal	17.0	19.6	1.5	2.4	27.0	<u>21.9</u>
Jack Rabbit 17% Protein Dehydrated Alfalfa Meal	17.0	17.1	1.5	2.0	27.0	25.6
NATIONAL BISCUIT COMPANY, TOLEDO, OHIO						
Namico Wheat Middlings with Ground Screenings	15.0	14.5	3.5	4.0	9.0	6.7
Namico Wheat Middlings with Ground Screenings	15.0	14.6	3.5	3.3	9.0	8.2
Namico Wheat Middlings with Ground Screenings	15.0	14.6	3.5	4.0	9.0	7.6
Namico Wheat Middlings with Ground Screenings	15.0	14.2	3.5	4.0	9.0	5.4
Namico Wheat Middlings with Ground Screenings	15.0	<u>14.3</u>	3.5	4.2	9.0	6.2
Wheat Bran	14.5	<u>15.1</u>	3.75	3.4	10.0	9.4
NATIONAL OATS COMPANY, E. ST. LOUIS, ILLINOIS						
Corno 24% Protein Turkey Starter	24.0	26.0	3.0	4.6	7.0	6.7
Corno 20% Protein Turkey Growing Mash	20.0	22.4	3.0	4.3	7.0	6.3
Corno 24% Protein Dairy Feed	24.0	27.3	3.5	3.2	12.0	8.9
Corno 40% Protein Hog Supplement	40.0	41.3	2.5	4.3	7.0	5.7
Corno 15% Protein Rabbit Ration	15.0	16.4	2.5	4.2	18.0	9.0
NASHVILLE COTTON OIL MILL, NASHVILLE, TENNESSEE						
40% Protein Cottonseed Meal	41.0	42.6	3.0	5.4	13.0	11.0
41% Protein Cottonseed Meal	41.0	42.2	3.0	4.8	13.0	10.7
41% Protein Cottonseed Meal	41.0	42.6	3.0	4.3	13.0	12.3
41% Protein Soybean Oil Meal	41.0	44.1	3.0	5.0	7.0	5.3
**						
NORTHERN SUPPLY COMPANY, AMERY, WISCONSIN						
Pulverized White Oats	11.0	12.5	3.5	4.8	12.0	<u>13.5</u>
Adulterated with foreign material (weed seeds, stems, rachis, sand, dirt etc) Misbranded.						
CHAS. NUNN & SONS MILLING COMPANY, EVANSVILLE, INDIANA						
Nunn Better Brand 17% All Mash with Cod Liver Oil	17.0	19.2	2.5	3.5	6.5	4.8
Banner 17% All Mash with Cod Liver Oil	17.0	18.8	2.5	3.5	6.5	4.8
Sweet Sixteen Brand 16% Dairy Feed	16.0	16.1	2.5	2.2	10.50	6.4
Nunn Better 40% Hog Supplement	40.0	43.4	1.0	3.0	8.5	6.5
Nunn Better Brand Wheat Gray Shorts with Screenings	13.0	15.0	3.0	3.4	6.0	3.8

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
NUTRENA MILLS, MINNEAPOLIS, MINNESOTA						
Nutrena All Mash Egg Mash	15.0	15.7	3.0	3.9	7.0	6.5
OELWEIN CHEMICAL COMPANY, OELWEIN, IOWA						
Occo Mineral Compound for Hogs						
Calcium	13.0	17.0				
Phosphorus	3.5	4.5				
Iodine	.01					
Occo-Lak Mineral Feed						
Calcium	19.0	19.1				
Phosphorus	.82	1.2				
Iodine	.001					
Salt	11.0	11.5				
ODON MILLING COMPANY, ODON, INDIANA						
Magic Brand Cracked Corn	9.0	7.8	3.75	4.4	2.0	2.0
OLDHAM FEED & SUPPLY COMPANY, BUCKNER, KENTUCKY						
Power House Brand 32% Dairy Supplement	32.0	32.2	4.5	4.4	9.0	9.4
Power House Brand 16% Dairy Feed	16.0	17.9	3.5	3.9	7.5	5.9
O. K. MILLS, LOUISVILLE, KENTUCKY						
Balco 24% Dairy Feed	24.0	26.6	3.0	2.8	15.0	9.2
Balco 16% Dairy Feed	16.0	18.7	3.0	2.8	15.0	11.9
Balco 16% Dairy Feed	16.0	18.1	3.0	3.0	15.0	9.2
Balco 16% Dairy Feed	16.0	19.1	3.0	3.0	15.0	9.0
Balco 16% Dairy Feed	16.00	16.7	3.00	3.1	15.00	10.7
OWENSBORO MILLING COMPANY, OWENSBORO, KENTUCKY						
Tru-Test 20 1/2% Laying Mash	20.5	22.1	2.5	3.7	7.0	4.6
Tru-Test 17 1/2% All Purpose Mash	17.5	18.4	2.5	3.4	7.0	4.4
Tru-Test 24% Dairy Feed	24.0	22.1	2.5	2.7	10.0	7.1
Tru-Test 24% Dairy Feed	24.0	22.4	2.5	3.0	10.0	7.1
Star 16 1/2% Dairy Feed	16.5	17.1	2.5	2.0	10.0	9.0
Star 16 1/2% Dairy Feed	16.5	19.0	2.5	2.4	10.0	7.6
Star 16 1/2% Dairy Feed	16.5	19.8	2.5	3.4	10.0	7.1
D & H Stock Feed	13.25	14.6	4.0	3.4	8.0	8.3
D & H Stock Feed	13.25	14.0	4.0	3.6	8.0	6.2
D & H Stock Feed	13.25	13.9	4.0	2.9	8.0	5.1
Tru-Test 18% Pig & Sow Feed	18.0	20.8	3.0	4.1	6.0	6.0
PAN-AMERICAN MILLS, BOWLING GREEN, KENTUCKY						
Green Valley 20% Dairy Feed	20.0	19.1	4.0	3.5	15.0	8.4
Green Valley 20% Dairy Feed	20.0	19.1	4.0	3.7	15.0	8.4
Mixed Feed	13.0	13.3	4.0	6.8	8.0	6.4
PARAMOUNT FEED MILLS, LOUISVILLE, KENTUCKY						
Paramount Scratch Feed	8.0	8.2	3.0	3.6	5.0	2.0
PHILIP R. PARK, INC., SAN PEDRO, CALIFORNIA						
Manamar 35% Protein Pig & Hog Supplement	35.0	37.5	3.5	3.8	10.0	7.0
I. E. PAYNE & COMPANY, EUBANK, KENTUCKY						
Farmers Choice Brand 13% Protein Hog Fattener	13.0	14.1	3.5	4.0	6.0	4.5
PEARL PACKING COMPANY, MADISON, INDIANA						
Pearl Brand 60% Protein Digester Tankage	60.0	60.3	6.0	9.2	3.0	1.7

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
PENDLETON COUNTY MILLS, FALMOUTH, KENTUCKY						
16% Dairy Feed	16.0	18.8	2.5	3.6	10.0	8.5
PEMBROKE ROLLER MILLS, PEMBROKE, KENTUCKY						
Mixed Feed	13.0	14.8	3.5	3.4	7.5	5.5
Mixed Feed	13.0	15.1	3.5	3.6	7.5	7.2
PEOPLES FEED & MILL COMPANY, CAVE CITY, KENTUCKY						
Peoples 18% Egg Mash	18.0	17.2	2.5	2.9	7.0	4.1
Peoples 16% Pig & Hog Feed	16.0	17.6	3.0	4.1	6.0	4.4
PILLSBURY MILLS INC., LOUISVILLE, KENTUCKY						
Pillsbury's Best Laying Mash	20.0	22.1	3.5	3.7	8.0	6.4
Calcium	1.8	1.91				
Phosphorus	.70	0.83				
Iodine	.0005					
Salt	1.0	1.34				
Pillsbury's Thrift Egg Producer	20.0	20.9	3.5	3.2	8.0	6.1
Pillsbury's Thrift Egg Producer	20.0	20.3	3.5	3.7	8.0	6.5
Calcium	1.8	1.78				
Phosphorus	.70	.44				
Iodine	.0005					
Salt	1.00	.70				
Pillsbury's Best Scratch Grains, (Hen Size)	8.0	8.4	2.50	2.2	4.0	2.0
Pillsbury's Best 20% Dairy Feed	20.0	22.1	3.0	3.8	9.0	6.3
Pillsbury's Thrift 20% Milk Producer	20.0	22.0	3.0	3.1	11.0	6.9
Pillsbury's Thrift 20% Milk Producer	20.0	21.8	3.0	3.0	11.0	7.4
Pillsbury's Best 16% Dairy Feed	16.0	18.9	3.0	3.8	9.0	7.1
Pillsbury's Best 40% Pig & Sow Supplement	40.0	38.2	1.50	3.2	8.0	5.5
Calcium	3.0	3.85				
Phosphorus	1.0	1.22				
Iodine	.0007					
Salt	1.5	1.93				
**Pillsbury's Best 40% Pig & Sow Supplement	40.0	37.7	1.5	2.5	8.0	5.3
Calcium	3.0	3.3				
Phosphorus	1.0	1.1				
Iodine	.0007					
Salt	1.5	1.8				
Very much below guaranty in protein.						
Pillsbury's Best 40% Pig & Sow Supplement	40.0	40.0	1.5	2.8	8.0	5.2
Calcium	3.0	3.75				
Phosphorus	1.0	1.15				
Iodine	.0007					
Salt	1.5	1.78				
Pillsbury's Best 40% Pig & Sow Supplement	40.00	38.8	1.50	2.3	8.00	5.2
Calcium	3.00	3.3				
Phosphorus	1.00	1.0				
Iodine	.0007					
Salt	1.50	1.98				
Pillsbury's Best 40% Pig & Sow Supplement	40.0	38.6	1.5	3.5	8.0	5.8
Calcium	3.0	3.4				
Phosphorus	1.0	1.1				
Iodine	.0007					
Salt	1.5	1.7				
Pillsbury's Thrift Hog & Sow Fattening Ration	18.0	19.0	3.0	3.4	8.0	6.7
Pillsbury's Best Pig & Sow Ration	18.0	18.6	3.0	3.6	6.0	5.4
Pillsbury's Best Pig & Sow Ration	18.0	18.6	3.0	3.6	6.0	5.1
Pillsbury's Thrift Pork Builder	14.0	15.9	3.0	2.9	8.0	4.5
Pillsbury's Thrift Pork Builder	14.0	15.3	3.0	3.0	8.0	5.7

**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 REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
PILLSBURY MILLS, INC., LOUISVILLE, KENTUCKY (Cont'd)						
Pillsbury's Best Heavy Grain Horse Feed	10.0	9.3	2.5	2.7	10.0	3.9
Pillsbury's Soft Wheat Mixed Feed with Ground Wheat Screenings	13.5	14.4	3.0	3.5	9.5	7.3
PRINCETOWN MILLS, PRINCETOWN, KENTUCKY						
Chowmix Laying Feed (All Mash)	15.0	15.6	3.0	3.4	7.0	3.6
Chowmix 16% Dairy Feed B	16.0	16.0	3.0	3.3	12.0	7.0
Chowmix Sow & Pig Feed	16.0	16.1	3.0	4.1	6.0	4.1
Chowmix 14% Protein Hog Feed	14.0	14.1	3.5	4.0	5.0	3.5
PROVICO FEEDS & CONCENTRATE, CINCINNATI, OHIO						
Provico 20% Protein Big V Egg Mash	20.0	21.4	3.0	3.7	7.0	5.6
Provico 20% Protein Big V Egg Mash	20.0	20.7	3.0	3.9	7.0	6.1
32% Protein Dairy Concentrate	32.0	34.6	3.0	2.8	10.0	6.4
Provico Big V Brand 24% Protein Dairy Feed Contained oat hull feed.	24.0	25.8	3.0	4.1	12.0	10.4
Provico Big V Brand 24% Protein Dairy Feed	24.00	25.0	2.50	4.1	12.00	8.0
Provico 20% Dairy Feed	20.0	20.2	3.0	3.0	10.0	8.8
Big V 16% Dairy Feed	16.0	18.6	2.5	3.6	15.0	11.9
Big V 16% Dairy Feed	16.0	18.5	2.5	3.6	15.0	11.7
PURCELL SEED CO., EVANSVILLE, INDIANA						
Purcell's 18% Poultry Mash (with Cod Liver Oil)	18.0	17.5	3.0	3.4	5.0	4.5
QUAKER OATS COMPANY, CHICAGO, ILLINOIS						
Ful-O-Pep Brand 20% Laying Mash	20.0	21.0	3.0	4.0	8.0	7.5
Ful-O-Pep Crate Fattener	13.0	14.1	3.0	4.0	8.0	6.0
Quaker Schumacher Sweet Feed	12.0	13.4	2.5	2.6	12.0	10.7
Sugared Vim Brand Oat Hull Feed & Molasses	3.0	4.2	1.0	1.2	29.0	26.5
RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI						
Purina Layena (Complete Ration)	15.5	17.6	3.0	3.8	6.0	3.8
Purina Family Flock Chow B	17.0	18.4	2.5	3.2	8.0	5.4
Purina Family Flock Chow (Complete Ration)	17.0	19.3	2.50	3.5	8.0	5.2
Purina Hen Chow	9.0	9.4	2.0	3.3	5.0	2.0
Purina Hen Chow	9.0	8.8	2.0	3.5	5.0	1.9
Purina Cow Chow 32% Protein & Mineral Conc.	32.00	35.7	2.00	3.7	9.00	6.3
Calcium	3.00	3.08				
Phosphorus	1.00	0.93				
Iodine		.00035				
Salt	2.30	2.12				
Purina Cow Chow 32% Protein & Mineral Conc.	32.0	33.5	2.0	2.4	9.0	5.4
Calcium	3.0	3.08				
Phosphorus	1.0	1.10				
Iodine		.00035				
Salt	2.30	2.34				
Purina Cow Chow Supplement	24.0	25.0	2.5	2.6	11.0	7.9
Purina Cow Chow Supplement	24.0	28.0	2.5	2.5	11.0	7.4
Purina Cow Chow Supplement	24.0	28.4	2.5	3.7	11.0	7.7
Calcium	2.0	0.775				
Phosphorus	.90	.87				
Iodine		.00035				
Salt	2.3	2.02				
Purina Cow Chow Supplement	24.0	26.1	2.5	3.8	11.0	6.4
Calcium	2.0	2.1				
Phosphorus	.90	.91				
Iodine		.00035				
Salt	2.3	2.64				

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
RALSTON PURINA CO., ST. LOUIS, MO. (Cont'd)						
Purina Milk Chow	16.0	18.1	3.0	3.5	12.0	8.0
Purina Milk Chow	16.0	17.8	3.0	2.8	12.0	6.9
Purina Milk Chow	16.0	18.8	3.0	4.0	12.0	7.6
Purina Steer Fatena - K	20.0	21.5	3.0	3.0	8.0	4.5
Purina Calf Startena	19.5	22.7	2.5	4.0	9.5	8.3
Purina Calf Startena	19.5	20.4	2.5	3.4	9.5	7.8
Purina Calf Startena	19.5	20.8	2.5	3.4	9.5	7.5
Purina Calf Startena	19.5	18.0	2.5	2.6	9.5	7.8
Purina Calf Startena	19.50	20.9	2.50	3.8	9.50	7.2
Purina Calf Startena	19.5	18.0	2.5	3.3	9.5	7.8
Purina Bulky Las Roughage Feed	10.0	13.1	2.0	2.3	15.0	11.5
Purina Hog Chow Supplement	36.0	36.4	2.0	5.7	10.0	6.1
Calcium	4.0	3.72				
Phosphorus	1.80	1.63				
Iodine	.0003					
Salt	1.80	1.94				
Purina Hog Chow Supplement	36.0	36.1	2.0	5.8	10.0	7.1
Calcium	4.0	3.85				
Phosphorus	1.8	1.83				
Iodine	.0003					
Salt	1.8	2.07				
Purina Hog Chow Supplement	36.0	36.5	2.0	5.6	10.0	7.3
Calcium	4.0	4.39				
Phosphorus	1.8	2.12				
Iodine	.0003					
Salt	1.8	2.19				
Purina Sow & Pig Chow (Supplement)	32.0	33.9	2.50	5.1	11.0	8.8
Calcium	3.5	3.48				
Phosphorus	1.60	1.75				
Iodine	.0003					
Salt	1.80	2.10				
Purina Sow & Pig Chow (Supplement)	32.0	33.1	2.5	5.0	11.0	8.7
Calcium	3.5	3.9				
Phosphorus	1.6	1.8				
Iodine	.0003					
Salt	1.98	1.8				
Purina Sow & Pig Chow (Supplement)	32.0	31.1	2.5	4.7	11.0	10.0
Calcium	3.5	3.55				
Phosphorus	1.6	1.8				
Iodine	.0003					
Salt	1.8	2.08				
Purina Hog Fatena B	14.0	15.4	3.0	3.5	7.0	4.1
Purina Hog Fatena B	14.0	15.1	3.0	4.1	7.0	4.0
Purina Chowder	36.0	38.3	2.0	4.2	9.0	6.6
Calcium	3.5	4.4				
Phosphorus	1.2	1.66				
Iodine	.00025					
Salt	2.0	1.67				
Purina Omolene	10.0	10.7	3.0	3.0	11.0	6.0
RANDOLPH MILLING COMPANY, BANDANA, KENTUCKY						
Must Lay Brand 18% Protein Laying Mash	18.0	18.0	4.0	4.0	7.0	4.6
Hen Joy Scratch Feed	10.0	9.9	3.0	2.7	3.0	2.2
Ra Mi Co. Mixed Feed & Screenings	11.8	13.6	2.8	2.9	6.3	5.6
REELFOOT ALFALFA MILL, TIPTONVILLE, TENNESSEE						
17% Alfalfa Meal (Dehydrated)	17.0	19.0	1.5	2.6	27.0	22.1
17% Alfalfa Meal (Dehydrated)	17.0	16.2	1.5	4.1	27.0	19.5

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
REELFOOT ALFALFA MILL, TIPTONVILLE, TENNESSEE (Cont'd)						
17% Alfalfa Meal (Dehydrated)	17.0	15.9	1.5	3.5	27.0	19.8
17% Alfalfa Meal (Dehydrated)	17.0	16.5	1.5	3.3	27.0	19.1
17% Alfalfa Meal (Dehydrated)	17.0	19.6	1.5	3.3	27.0	18.4
15% Alfalfa Meal (Dehydrated)	15.0	13.6	1.5	2.9	30.0	24.1
REELFOOT PACKING COMPANY, UNION CITY, TENNESSEE						
Reelfoot Digester Tankage	50.0	52.3	12.0	16.5	4.0	1.1
RENFRO SUPPLY COMPANY, WILLIAMSBURG, KENTUCKY						
Renfro 24% Protein Dairy Food	24.0	26.1	3.0	5.5	11.0	10.7
ARNOLD RICE, SALYERSVILLE, KENTUCKY						
Screened Cracked Corn	8.0	7.8	3.5	3.1	3.0	1.2
ROBERTS BROS., BURLINGTON, KENTUCKY						
Unique Brand 18% Protein Egg Mash	18.0	18.1	3.0	4.9	7.0	7.3
Unique Brand 18% Protein Dairy Feed	18.0	21.5	3.0	4.1	11.0	9.0
Unique Brand 18% Protein Sow & Pig Ration	18.0	18.4	3.5	5.6	6.0	5.6
ROBINSON MILLING COMPANY, SOMERSET, KENTUCKY						
Booster Hog Feed (Fattening)	17.0	19.6	3.5	4.40	8.0	8.0
ROSS FEED COMPANY, MURRAY, KENTUCKY						
Standard Brand 14% Protein Poultry Fattener	14.0	15.2	4.0	4.8	6.0	4.1
Standard 17% Pig & Hog Feed	17.0	17.7	3.5	3.2	6.0	6.0
ROYAL BARRY-CARTER MILLS, NASHVILLE, TENN.						
Martha White 16% Protein Wheat Gray Shorts with Screenings	16.0	15.3	3.5	3.7	6.0	6.3
RUSSELL-MILLER MILLING CO., MINNEAPOLIS, MINNESOTA						
Occident 40% Protein Hog Concentrate	40.0	40.8	4.5	4.7	6.5	6.5
Calcium	4.0	3.96				
Phosphorus	1.5	1.75				
Iodine		.0004				
Salt	1.5	1.71				
SAM RYLE, BURLINGTON, KENTUCKY						
R & H 18% Protein Laying Mash	18.0	18.3	4.0	3.7	7.0	6.2
SALT LICK MILLING CO., SALT LICK, KENTUCKY						
X Mixed Feed	14.5	13.0	4.0	4.0	8.0	5.8
X Mixed Feed	14.5	14.0	4.0	3.6	8.0	5.0
Ground Wheat and Oats	11.0	12.3	2.5	2.6	7.0	5.2
Ground Wheat	12.0	11.8	2.0	1.8	3.0	2.4
SANDUSKY BROTHERS, HARRODSBURG, KENTUCKY						
Cracked Corn & Wheat	9.5	9.8	3.0	3.0	3.0	2.5
Mixed Feed	13.0	14.2	3.0	4.5	8.0	7.2
J. F. SCHNEIDER & SONS, INC., MIDDLESBORO, KENTUCKY						
Cudjo Brand 50% Protein Tankage	50.0	52.5	10.5	11.2	2.5	1.0
SCHULTZ BAUJAN & COMPANY, BEARDSTOWN, ILLINOIS						
Critic Egg Mash	20.0	19.9	3.5	4.3	7.5	7.3
Critic 16% All-Mash Laying Ration	16.0	16.4	4.0	4.2	6.0	6.0
Critic Brand 16% Protein Dairy Feed	16.0	17.4	3.5	3.0	15.0	11.5
Critic 40% Hog Concentrate	40.0	40.5	2.5	3.2	7.5	5.1
Critic Brand Wheat Brown Middlings and Screenings	16.0	17.5	4.0	4.8	7.5	5.8

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
SCIENTIFIC MILLING CO., EAST ST. LOUIS, ILL.						
Scientific 16% Dairy Feed	16.0	18.8	3.0	2.7	15.0	12.3
Scientific Hog Ration	15.0	18.7	3.0	3.8	8.0	7.6
THE SCOTT COUNTY MILLING COMPANY, SIKESTON, MISSOURI						
Gristo Wheat Gray Shorts & Screenings	15.0	15.3	3.5	3.8	6.0	4.7
Wheat Bran & Screenings	14.0	16.1	3.5	3.3	10.0	8.0
SECURITY MILLS, KNOXVILLE, TENN.						
Security Brand 19% Protein Sow & Pig Feed	19.0	21.2	3.5	3.5	6.0	4.1
WOODFORD SPEARS & SONS, PARIS, KENTUCKY						
Bourbon 18% Protein Dairy Feed	18.0	18.9	2.5	2.7	13.0	4.4
42% Protein Cottonseed Meal	42.0	<u>39.2</u>	5.0	6.5	12.0	12.0
Very much below guarantee in protein.						
W. N. SCOVILLE, LONDON, KENTUCKY						
Farm Feed	12.0	14.5	2.0	3.1	6.0	5.0
Contained unground weed seeds.						
Farm Feed	12.0	13.2	2.0	2.8	6.0	6.0
Contained unground weed seeds.						
SHAKER SEED & FEED COMPANY, SOUTH UNION, KENTUCKY						
Shakers Pride 20% Egg Mash	20.0	<u>18.7</u>	2.5	3.5	7.0	4.8
SHARON GROVE MILLING COMPANY, SHARON GROVE, KENTUCKY						
Mixed Feed	10.0	14.0	3.0	4.1	7.0	6.4
SHEPHERDSVILLE FEED MILLS, SHEPHERDSVILLE, KENTUCKY						
Silver Leaf Brand 20% Laying Mash	20.0	21.2	3.5	4.1	7.0	5.9
Silver Leaf Brand 18% Pig & Sow Ration	18.0	18.3	3.5	3.7	6.0	6.3
SIEMER MILLING COMPANY, TEUTOPOLIS, ILLINOIS						
Steel Cut Corn	8.0	7.8	3.5	<u>2.8</u>	6.0	1.8
SLAUGHTERS MILLING CO., SLAUGHTERS, KENTUCKY						
Wheat Mixed Feed & Screenings	13.5	15.8	3.0	3.1	8.5	5.2
**Mixed Feed	12.0	13.9	4.0	3.7	8.75	5.6
Contained unground weed seeds.						
J. ALLEN SMITH & COMPANY, KNOXVILLE, TENN.						
Blue Belle Stock Feed	13.5	14.3	3.5	3.5	8.5	5.6
SOUTHERN RENDERING CO., SHELBYVILLE, TENNESSEE						
Southern Brand Meat and Bone Scraps	50.0	<u>45.4</u>	6.0	14.4	5.0	3.0
Very much below guarantee in protein.						
THE SOUTHERN COTTON OIL CO., MEMPHIS, TENN.						
Sco-Co. Brand 41% Protein Cottonseed Meal	41.0	41.6	5.0	5.1	12.0	9.3
Sco-Co. Brand 41% Protein Cottonseed Meal	41.0	41.3	5.0	4.7	12.0	8.4
SOUTHERN COTTON OIL COMPANY, ATLANTA, GEORGIA						
Sco-Co. Brand 41% Protein Cottonseed Meal	41.0	42.3	5.0	6.0	12.0	9.9
THE SPRINGFIELD FLOUR MILLS, SPRINGFIELD, MISSOURI						
Wheat Gray Shorts and Screenings	16.0	16.6	4.0	4.2	6.0	5.4
Wheat Gray Shorts and Screenings	16.0	16.2	4.0	6.7	6.0	5.1
THE GEORGE T. STAGG COMPANY, FRANKFORT, KENTUCKY						
**25 1/2% Protein Corn Distillers Dried Grains	25.5	25.6	8.5	8.3	10.0	<u>12.1</u> **

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
STALEY MILLING CO., KANSAS CITY, MO.						
Four Bells Atoms Producer Brand 20% Protein Egg Mash	20.0	21.1	3.0	3.6	8.0	6.3
Egnog Brand 18% Protein Laying Mash	18.0	19.4	2.5	3.4	8.0	6.3
Staleys Mama Brand 18% Protein Pig Feed	18.0	18.1	3.0	4.8	6.0	6.8
A. E. STALEY MANUFACTURING CO., DECATUR, ILLINOIS						
Staley's 41% Protein Soybean Oil Meal	41.0	44.0	3.5	4.3	7.0	5.7
Staley's 41% Protein Soybean Oil Meal	41.0	43.4	3.5	3.9	7.0	5.9
STANDARD FEED MILLING COMPANY, ATLANTA, GEORGIA						
Super Quality Brand 32% Supplement Mash	32.0	32.9	2.5	2.5	8.0	7.6
Calcium	1.0	3.1				
Phosphorus	.55	1.1				
Iodine	.0015					
Salt	2.0	1.98				
Superior Quality Brand Scratch Grain	8.5	10.8	2.5	2.0	3.0	2.2
Super Quality Brand 24% Sweet Dairy Feed	24.0	22.0	2.5	2.7	14.0	9.0
Super Quality Brand 18% Hog Feed	18.00	19.0	2.5	5.4	8.0	6.1
Super Quality Brand Horse & Mule Feed	10.0	9.5	3.0	2.4	9.0	11.2
Sav Mor Brand Farm Feed	11.0	11.3	2.5	11.1	13.0	10.5
STANDARD MILLING COMPANY, ELKTON, KENTUCKY						
Bob White 20% Laying Mash	20.0	20.7	3.5	4.5	6.0	4.9
Mixed Feed	9.5	8.9	3.0	2.8	8.0	6.7
STANDARD MILLS, HUNTINGTON, W. VA.						
Rainbow 20% Lay Mash	20.0	19.5	3.0	2.8	8.0	6.8
Rainbow 20% Lay Mash	20.00	20.4	3.00	3.1	8.00	7.2
Rainbow 24% Dairy Feed	24.0	26.4	2.5	4.4	15.0	12.4
STURGIS MILLING CO., STURGIS, KENTUCKY						
Hoppy's Brand 40% Protein Hog Supplement	40.0	42.6	4.0	4.8	8.0	5.3
Hoppy's 20% Pig & Sow Meal	20.0	20.8	3.0	5.0	6.0	6.1
Corn and Cob Meal	8.0	8.1	3.5	3.5	8.0	6.5
SUN RAY FEED MILLS, LEXINGTON, KENTUCKY						
Booster Brand 20% Laying Mash	20.0	20.9	3.5	3.2	7.0	6.0
Sun Ray Scratch Feed	8.0	8.4	3.0	3.9	3.0	1.9
Green Valley 24% Dairy Feed	24.00	23.0	3.5	5.2	14.0	12.6
Green Valley 24% Dairy Feed	24.00	24.5	3.50	5.1	14.00	12.7
Contained unground weed seeds.						
Green Valley 16% Dairy Feed	16.0	17.0	3.0	2.7	15.0	8.8
Green Valley 16% Dairy Feed	16.0	16.1	3.0	3.5	15.0	10.0
Green Valley 16% Dairy Feed	16.0	18.4	3.0	2.7	15.0	12.3
Sun Ray Pig and Hog Ration	17.0	18.0	3.50	4.9	6.0	5.8
Sun Ray Hominy Feed	10.0	10.4	5.0	5.6	6.0	5.5
SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY						
Sun Ray 20% Protein Laying & Breeder Mash	20.0	22.5	4.0	4.6	6.0	6.1
Sun Ray 24% Dairy Feed	24.0	23.7	4.5	5.8	10.0	8.6
Booster Brand 16% Stock Feed	16.0	16.0	3.5	5.0	9.0	8.2
SUPREME FEED MILLS, GLASGOW, KENTUCKY						
Supreme Brand 20% Protein Laying Mash	20.0	22.1	3.5	3.3	7.0	4.9
Supreme Brand 20% Protein Laying Mash	20.0	22.1	3.5	3.4	7.0	4.7
Supreme Brand 32% Protein Dairy Supplement	32.0	33.9	3.0	3.0	9.0	7.1
Supreme Brand 24% Dairy Feed	24.0	23.9	3.5	3.1	10.0	9.8
Supreme Brand 24% Dairy Feed	24.00	29.0	3.50	2.6	10.00	7.8
Supreme Brand 20% Protein Dairy Feed	20.0	20.5	4.0	3.4	14.0	10.0

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Quarterly Report on Feed Samples, 1951

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
SUPREME FEED MILLS, GLASGOW, KENTUCKY (Cont'd)						
Supreme Brand 20% Protein Dairy Feed	20.00	19.1	4.00	3.1	14.00	10.6
Premo Brand 16% Protein Dairy Feed	16.0	17.7	3.0	3.1	15.0	10.7
Premo Brand 40% Protein Hog Supplement	40.0	43.0	4.0	6.7	8.0	5.2
Supreme Brand 17 1/2% Protein Pig & Hog Feed	17.5	19.2	3.5	4.6	6.0	4.5
Supreme Brand 17 1/2% Protein Pig & Hog Feed	17.50	18.8	3.50	3.9	6.00	4.7
D. B. SUTHERLAND & SONS, BLOOMFIELD, KENTUCKY						
Sutherland's Hen Scratch Feed	8.0	9.4	3.0	2.2	3.0	2.3
Kentucky Star 24% Dairy Feed	24.0	23.6	3.0	3.3	10.0	7.8
Sutherland's 40% Hog Supplement	40.0	40.7	3.0	5.3	9.0	6.6
Kentucky Star 15% Protein Hog Feed	15.0	15.6	3.5	4.0	7.0	6.1
SWEET FEED MILLS, BOWLING GREEN, KENTUCKY						
Ace Brand 20% Protein Laying Mash	20.0	20.8	2.5	6.2	8.0	6.6
Ace Brand 20% Protein Laying Mash	20.00	20.8	2.50	6.1	8.00	6.7
Queen Brand 16% Dairy Feed	16.0	16.8	3.0	5.0	15.0	9.9
Queen Brand 16% Dairy Feed	16.0	17.7	3.0	4.6	15.0	9.0
Vim Brand Horse & Mule Feed	10.0	9.7	2.5	2.4	15.0	10.4
SWEET FEEDS, HOPKINSVILLE, KENTUCKY						
Sweet Mix 18% Laying Mash	18.0	18.0	3.5	4.0	7.0	5.5
SWEET FEEDS, HENDERSON, KENTUCKY						
Sweet Mix Brand 20% Protein All-Mash Poultry Ration	20.0	19.9	4.5	4.4	5.0	4.4
Sweet Mix Brand 20% Protein All-Mash Poultry Ration	20.0	20.8	4.5	4.0	5.0	6.0
Sweet Mix Brand 24% Protein Dairy Feed Very much below guarantee in protein.	24.0	21.7	4.0	3.5	12.0	7.9
Special Brand 16% Protein Dairy Feed	16.0	20.3	3.0	2.9	10.0	11.3
Sweet Mix Brand 40% Protein Hog Supplement	40.0	43.7	5.0	3.3	8.0	4.0
SWIFT & COMPANY, CHICAGO, ILLINOIS						
Swift's 32% Protein Dairy Concentrate	32.0	37.8	3.0	3.0	8.5	5.2
Calcium	2.25	1.54				
Phosphorus	1.25	0.98				
Iodine	.0005					
Salt	1.5	0.88				
Swifts 40% Protein Swine Concentrate	40.0	40.0	3.0	3.9	7.0	6.8
Calcium	3.25	2.78				
Phosphorus	1.25	1.01				
Iodine	.0005					
Salt	2.0	1.71				
Swift's 42% Protein Soybean Oil Meal	42.0	46.2	3.5	1.3	7.0	4.8
TARTER'S FEED MILL, LIBERTY, KENTUCKY						
Sur-Good Brand Pig Feed	18.0	18.5	3.0	2.9	7.0	4.5
TAYLOR COMPANY IMPLEMENT & FEED COMPANY, CAMPBELLSVILLE, KENTUCKY						
Economy Brand Starter & Grower	18.0	17.8	2.5	3.1	7.0	5.0
TILFORD & WALTERS MILLS, METROPOLIS, ILLINOIS						
Masco 21% Broiler Mash	21.0	22.4	3.0	4.6	7.0	4.3
Masco 20% Laying Mash	20.0	19.5	3.0	4.2	7.0	5.6
Masco 20% Laying Mash	20.0	21.0	3.0	4.3	7.0	5.2
J & J 16% Dairy Feed	16.0	16.8	2.5	2.5	15.0	10.8
Masco 9% Protein Horse & Mule Feed	9.0	8.7	3.0	2.7	12.0	9.2

**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 REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
TILFORD & WALTERS MILL, METROPOLIS, ILLINOIS (Cont'd)						
Hominy Feed	10.0	9.9	7.0	8.5	6.0	6.6
Hominy Feed	10.0	10.7	7.0	8.9	6.0	7.8
Wheat Mixed Feed with Screenings	13.5	15.3	3.0	3.2	9.5	6.7
TRI-STATE MILLS, KENOVA, WEST VIRGINIA						
Daisy 16% Dairy Feed	16.0	18.2	2.5	3.4	15.0	15.3
UBIKO MILLING COMPANY, CINCINNATI, OHIO						
Sunbeam 16% Dairy Feed	16.0	18.7	2.5	3.3	15.0	11.3
Honeycomb Life Guard Fitting Feed	12.0	12.4	3.0	2.8	15.0	10.0
Life Guard Pig and Sow Ration	16.0	17.8	3.5	3.8	6.0	6.1
VALIER & SPIES MILLING CO., ST. LOUIS, MO.						
Wheat Gray Shorts and Screenings	16.0	16.6	4.0	4.3	6.0	5.6
VITALITY MILLS, INC. CHICAGO, ILLINOIS						
**Vitality Super-Con Brand 26% Protein						
Chick Supplement	26.0	28.8	3.0	5.4	10.0	8.3**
Calcium	10.0	5.16				
Phosphorus	5.0	1.42				
Iodine	.0007					
Salt	2.5	2.78				
Very much below guarantee in calcium and phosphorus.						
Vitality 26% Protein Poultry Supplement	26.0	29.2	3.0	4.7	10.0	6.8
Calcium	3.0	6.0				
Phosphorus	1.0	1.5				
Iodine	.0005					
Salt	2.5	2.2				
Vitality's Egg-A-Day Brand Egg Mash	20.0	22.3	3.5	3.5	8.0	7.6
Velvet Brand Dairy Feed	16.0	17.9	3.0	2.2	15.0	13.9
Vitality Badger Brand 16% Dairy Feed	16.0	16.0	2.5	3.7	13.0	12.4
**Vitality Super Con Brand 30% Protein						
Hog Supplement	30.0	28.5	3.0	3.9	10.0	8.2**
Honey Bee Brand Horse Feed	9.0	9.7	3.0	3.0	10.0	6.5
VY-LACTOS LABORATORIES INC., DES MOINES, IOWA						
Omolass Feed	10.0	11.9	.40	.55	8.0	4.3
WAHOO MILLING COMPANY, WAHOO, NEBRASKA						
17% Dehydrated Alfalfa Meal	17.0	18.9	1.5	2.5	28.0	28.6
WALTON FEED MILLS, WALTON, KENTUCKY						
Colonial 16% Dairy Feed	16.0	16.2	3.0	3.3	9.50	7.0
WARREN COUNTY MILLS, BOWLING GREEN, KENTUCKY						
Meat Maker Brand 18% Protein Hog Ration	18.0	18.6	5.0	4.4	6.5	5.5
WEISENBERGER SANITARY FLOUR MILLS, MIDWAY, KENTUCKY						
Mixed Feed	12.5	13.0	4.0	5.0	10.5	8.0
WEST KENTUCKY RENDERING COMPANY, MAYFIELD, KENTUCKY						
50% Protein Tankage	50.0	42.2	8.0	13.2	3.0	2.9**
Very much below guarantee in protein. Misbranded.						

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
WEST TENNESSEE TANKAGE COMPANY, UNION CITY, TENNESSEE						
Dry Rendered Tankage Very much below guarantee in protein. Misbranded.	55.0	<u>50.5</u>	7.0	20.9	5.0	2.8
WEST TENNESSEE SOYA MILL, TIPTONVILLE, TENNESSEE						
44% Protein Solvent Extracted Soybean Oil Meal	44.0	44.7	.50	0.65	7.0	5.4
44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.3	.50	0.97	7.0	5.1
GARDNER WHITE, PRINCETOWN, KENTUCKY						
Home Town 18% Protein All Purpose Poultry Mash	18.0	19.1	2.5	3.9	7.0	4.7
WHITEWATER FLOUR MILLS, CO., WHITEWATER, KANSAS						
Wheat Mixed Feed and Screenings	15.5	16.0	4.0	3.9	8.5	7.0
THE R. L. WILES FEED MILLS, NASHVILLE, TENNESSEE						
King Brand 16% Dairy Feed Very much above guarantee in fiber.	16.0	15.6	2.5	3.1	15.0	<u>17.0</u>
WILLIS BROS. MILLING COMPANY, BOWLING GREEN, KENTUCKY						
Better Yet Brand Egg Mash	20.0	22.3	2.5	3.7	7.0	5.1
Better Yet Brand Stock Feed	16.0	17.0	3.5	3.4	9.0	5.6
WILLIAMSTOWN ROLLER MILL, WILLIAMSTOWN, KENTUCKY						
Our Own Brand 20% Protein Egg Mash	20.0	21.2	3.5	3.1	7.0	4.0
WINN MILLING CO., GREENSBURG, KENTUCKY						
Daisy 20% Dairy Feed	20.0	20.0	2.5	3.1	15.0	12.0
Daisy 17% Protein Pig & Hog Feed	17.0	19.7	3.0	4.9	6.0	4.7
WINN & TOBIN MILLING COMPANY, LEITCHFIELD, KENTUCKY						
Daisy 20% Laying Mash	20.0	20.8	2.5	3.9	7.5	5.7
Daisy Scratch Feed	9.5	9.2	3.0	2.6	2.5	2.1
WOODFORD FEED COMPANY, VERSAILLES, KENTUCKY						
Big W 16% Dairy Feed	16.0	19.0	3.0	3.6	12.0	6.1
Big W 16% Dairy Feed	16.0	18.1	3.0	3.3	12.0	6.0
WOOLCOTT FLOUR MILLS, INC., LEXINGTON, KENTUCKY						
Woolcott Mixed Feed	12.0	12.3	4.0	4.7	8.5	5.6
Woolcott Mixed Feed	12.0	12.2	4.0	4.4	8.5	5.7
YOPP SEED COMPANY, PADUCAH, KENTUCKY						
Yopp's Hen Feed	9.0	9.7	3.0	2.5	3.0	2.2
J. W. ZARING GRAIN & MILL COMPANY, RICHMOND, KENTUCKY						
Zarings 20% Laying Mash	20.0	21.4	3.0	3.4	7.0	6.7
Zaring's Scratch Feed Contained unground weed seeds.	8.0	9.8	3.0	3.0	2.5	1.9
Zaring's 16% Dairy Feed Contained screenings and unground weed seeds.	16.0	17.0	3.0	3.3	15.0	11.0
Zaring's Pig and Hog Feed	18.0	18.1	3.0	2.9	6.0	3.9
Zaring's Farm Feed	12.5	15.1	4.0	5.1	8.0	5.4
ZILIAK & SCHAFER MILLING COMPANY, HAUBSTADT, INDIANA						
Suri Fine 3 in 1 Brand 17% Protein All-Mash Poultry Ration	17.0	17.6	4.0	<u>3.4</u>	6.0	5.8

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
ZILIAK & SCHAFER MILLING COMPANY, HAUBSTADT, INDIANA (Cont'd)						
Wheat Shorts & Screenings	16.0	18.5	4.0	4.7	6.0	5.2

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