

# Commercial Feeds in Kentucky, 1948

Including Report on Official Feed  
Samples Analyzed

October-December, 1948



Kentucky Agricultural Experiment Station  
University of Kentucky  
Lexington

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## Commercial Feeds in Kentucky, 1948

The estimated tonnage of commercial feeds consumed in Kentucky during 1948, based on the sale of guaranty tags, was 634,000 tons. This was 51,625 tons more than in 1947.

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

<i>Year</i>	<i>Tons</i>
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

Of the tonnage for 1948, 149,175 tons were dairy feed; 52,730 tons, hog feed; 19,950 tons, horse and mule feed; 181,765 tons, poultry feed; 4,125 tons, rabbit feed; 2,000 tons, sheep feed; 5,315 tons, calf feed; 15,250 tons, stock feed; 8,500 tons, dog feed; 140 tons, goat feed; 4,540 tons, mineral feed; 174,155 tons, straight products and by-products; and 18,500 tons, miscellaneous feeds.

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

TABLE 1. SUMMARY OF SALES BY CLASS OF FEED, KENTUCKY, 1948

Feed	Tons	Feed	Tons	
<b>Straight Products and By-Products</b>				
Alfalfa Meal	675	Wheat Brown Middlings and Shorts	5,325	
Barley, Ground	400	Wheat Gray Middlings and Shorts	35,825	
Bone Meal	925	Wheat Flour Middlings	100	
Brewers Dried Grains	2,350	Wheat Red Dog Flour	1,225	
Corn, Ground	200	Wheat Mixed Feed	5,800	
Corn Meal	125	Wheat Feeds	3,035	
Corn Feed Meal	375	Total Products and By-Products	174,155	
Corn By-Products Feed	375			
Corn Gluten Feed	175	<b>Special Purpose Feeds</b>		
Corn Gluten Meal	25	Calf Feed	5,315	
Cracked Corn	26,925	Dairy Feed		
Crushed Ear Corn	650	16% Protein, yellow tag	27,000	
Cottonseed Meal	10,575	16% Protein, white tag	22,000	
Cottonseed Meal (Solvent)	2,350	18% Protein, yellow tag	925	
Cottonseed Feed	675	18% Protein, white tag	3,040	
Distillers Dried Grains	385	20% Protein, yellow tag	3,260	
Distillers Dried Solubles	255	20% Protein, white tag	30,000	
Hominy Feed	9,725	24% Protein, yellow tag	6,075	
Hominy Meal	2,025	24% Protein, white tag	42,500	
Linseed Oil Meal	550	Protein Supplement	11,425	
Meat Scraps	1,250	Dry, Freshening, and Fitting Feed	1,820	
Meat and Bone Scrap	1,445	Protein and Mineral Supplement	1,130	
Mixed Feed	14,235	Total Dairy Feed	149,175	
Oats, Ground	825	Dog Feed	8,500	
Oat Hull Feed	475	Cat Feed	165	
Soybean Oil Meal	24,425	Dog and Cat Feed	140	
Soybean Oil Meal (Solvent)	3,525	Goat Feed	450	
Soybean Feed (Extracted)	1,100	Hog Feed		
Tankage	4,875	Fattening and Growing	31,800	
Wheat, Ground	2,050			
Wheat, Bran	8,900			

Feed	Tons	Feed	Tons
Protein Supplement.....	20,200	Growing Mash.....	14,900
Protein and Mineral Supplement.....	730	Starting Mash.....	9,700
Total Hog Feed.....	52,730	Starting and Growing Mash.....	15,100
Horse and Mule Feed		Laying Mash.....	67,500
Horse and Mule Feed, yellow tag.....	1,850	Protein Supplement.....	5,000
Horse and Mule Feed, white tag.....	18,100	Protein and Mineral Supplement.....	1,165
Total Horse and Mule Feed.....	19,950	Total Chicken Mash.....	132,985
Pigeon Feed.....	240	Poultry Mash (Turkeys)	
Poultry Grains		Turkey Starting Mash.....	2,575
Chick.....	4,850	Turkey Growing Mash.....	5,060
Hen.....	34,150	Turkey Laying Mash.....	2,050
Total Poultry Grains.....	39,000	Turkey Supplement.....	95
Poultry Mash (Chickens)		Total Turkey Mash.....	9,780
All Mash Starter and Grower.....	10,300	Rabbit Feed.....	4,125
All Mash Laying.....	5,975	Sheep Feed.....	2,000
All Mash Broiler.....	280	Stock Feed.....	15,250
Fattening Mash.....	2,540	Mineral Feed.....	4,540
Flushing Feed.....	525	Miscellaneous.....	15,500
		Grand Total.....	634,000



\$100 penalty for using this tag second time

### 100 POUNDS NET WHEAT MIXED FEED AND SCREENINGS

MADE BY  
JOHN DOE & CO.,  
MILLVILLE, KY.

GUARANTEED ANALYSIS	
	Per Cent
Protein .....	15.50
Fat .....	4.00
Fiber .....	8.50

MADE FROM:  
Wheat Bran, Wheat Middlings,  
Ground Wheat Screenings 5%

The above is the manufacturer's or dealer's guaranty and the sale of this package is authorized subject to the feed stuffs law.

*James Cooper*  
Director  
Ky. Agricultural Experiment Station,  
Lexington, Kentucky

250/48

Straight Feed



\$100 penalty for using this tag second time

### 100 POUNDS NET 20% PROTEIN LAYING MASH

MADE BY  
JOHN DOE & CO.,  
MILLVILLE, KY.

GUARANTEED ANALYSIS	
	Per Cent
Protein .....	20.00
Fat .....	4.50
Fiber .....	7.00

MADE FROM:  
Ground Yellow Corn, Wheat Bran, Wheat Middlings, Meat Scrap, Soybean Oil Meal, Alfalfa Meal, Dried Buttermilk, Ground Limestone 2%, Salt 1%

The above is the manufacturer's or dealer's guaranty and the sale of this package is authorized subject to the feed stuffs law.

*James Cooper*  
Director  
Ky. Agricultural Experiment Station,  
Lexington, Kentucky

251/48

Straight Mixed Feed



\$100 penalty for using this tag second time

### 100 POUNDS NET 16% PROTEIN DAIRY FEED

MADE BY  
JOHN DOE & CO.,  
MILLVILLE, KY.

GUARANTEED ANALYSIS	
	Per Cent
Protein .....	16.00
Fat .....	3.50
Fiber .....	15.00

MADE FROM:  
Wheat Bran, Corn Feed Meal, Brewers Dried Grains, Cottonseed Meal, 10% Oat Hull Feed, 15% Ground Screenings Refuse (Weed Seeds, Hulls, Chaff and Inferior Grain), Ground Limestone 1%, Salt 1%

The above is the manufacturer's or dealer's guaranty and the sale of this package is authorized subject to the feed stuffs law.

*James Cooper*  
Director  
Ky. Agricultural Experiment Station,  
Lexington, Kentucky

252/48

"Yellow Tag" Feed

### SYSTEM OF TAGGING

This Department groups feeds into three general classes: "straight" feeds, "straight mixed" feeds, and "yellow tag" feeds, and labels them accordingly. (See examples of these tags, page 6.) The purpose of this system of labeling is to mark conspicuously certain important differences in the character of feeds. It is designed to aid in the selection of feeds. The tags are issued according to a three-color scheme, as follows:

**A manila tag printed in black ink** designates a feed made from one grain or plant. This class of feeds is known as "straight" feeds. *Examples:* wheat bran, hominy feed, cottonseed meal, alfalfa meal.

**A manila tag printed in red ink** designates a feed made from the products or byproducts of two or more grains, or plants, or animal byproducts. This class of feeds is known as "straight mixed" feeds. *Examples:* a mixture of wheat bran, hominy feed, and cottonseed meal; a mixture of corn chop, crimped oats, wheat bran and alfalfa meal; or a mixture of yellow corn, wheat gray shorts, ground oats, alfalfa meal, soybean oil meal, meat scrap, dried buttermilk.

**A yellow tag printed in black ink** designates a feed containing a material or materials of little or no nutritive value. Such are usually known as "yellow tag" feeds. *Examples:* Feeds containing oat hulls, corn cobs, cottonseed hulls, screenings and screenings refuse or waste, or other similar materials containing an excessive percentage of fiber.

### READ THE TAG

A farmer who buys his feeds on price instead of on quality, the price is a factor always to be considered, is practicing false economy. In reality a feeder pays more for the nutrients in cheap, filler feeds than if he bought good, clean, well-balanced feeds at a somewhat higher price per bag. A cheap, filler feed may be the costliest feed a farmer can buy, because of the small amount and inferior quality of the nutrients and the unwholesomeness of the filler.

Let us illustrate by taking two dairy feeds, the first a 20-percent protein straight mixed feed containing ingredients of known quality and value, and the second a 16-percent protein filler or yellow-tag feed that contains (as such feeds usually do) the maximum percentage of filler allowed, which is 25 percent, of unknown and questionable value. It should be noted that while the fillers are low in nutrient value, as a general rule the other ingredients used in this type of feed are low in quality also.

*Example 1—Containing Ingredients in the Proportions Usually Found in High-Grade, Well-Balanced Feeds*

<i>Ingredients</i>	<i>Percent</i>
Ground yellow corn .....	30
Wheat bran .....	20
Cottonseed meal .....	10
Soybean oil meal .....	10
Linseed oil meal .....	5
Ground oats .....	10
Distillers corn dried grains .....	12
Ground limestone .....	2
Salt .....	1

This feed will analyze approximately 20 percent protein, 4 percent fat, and 9 percent fiber. It would bear a manila tag printed in red.

The second is made of the usual ingredients found in "low-grade" filler feeds and proportioned in approximately the following manner:

*Example 2—Containing Ingredients in the Proportions Usually Found in Low-Grade Filler Feeds*

<i>Ingredients</i>	<i>Percent</i>
Corn feed meal .....	5
Corn bran .....	10
Wheat bran .....	5
Wheat middlings .....	3
Corn gluten feed .....	5
Soybean oil meal .....	22
Alfalfa meal .....	10
Molasses .....	12
Oat hulls .....	10
Screenings refuse (weed seeds, hulls, chaff and inferior grain) .....	15
Ground limestone .....	2
Salt .....	1

This feed will analyze approximately 16 percent protein, 3.5 percent fat, and 15 percent fiber. It would bear a yellow tag printed in black.

The total digestible nutrients of Example 1 is approximately 61 percent while that of Example 2 is 40 percent. Calculating the cost of ingredients at local prices and allowing a reasonable sum for mixing, handling and profit, Example 1 costs approximately 1 cent less per pound of total digestible nutrients than does Example 2. This shows a considerable saving in favor of the straight mixed feed.

#### QUALITY OF FEEDS

The usefulness of a feed as nourishment for an animal depends on the kind, amount, and quality of nutrients it contains, and the presence of the vitamins necessary for growth, maintenance, and re-



production. The feed must be palatable, free from poisonous or injurious substances, and must not contain too much indigestible material. The chemical analysis on the tag shows the percentages of the principal nutrients and the statement of ingredients helps a buyer to form an estimate of the probable digestibility, palatableness, and vitamin content of the feed.

The usual chemical analysis shows the percentages of the following substances, except vitamins.

**Protein** is the nitrogenous part of a feed. Animals use it for the building and repair of body tissues. However, when carbohydrates and fats are deficient in the diet, heat and energy can be obtained from protein, but this is usually undesirable both physiologically and economically. Protein is the most important and most costly constituent of feed materials. Plants build up protein from the inorganic elements of the soil and air. Protein from animal sources such as milk, meat scrap, and tankage—is plant protein which has been partly broken down by the digestive processes of the animal and reconstructed into the protein specific for the animal. The nutritional value of proteins differs greatly; therefore, it is well to select feed ingredients which contain the right kind of protein or to make up the ration from materials which contain more than one kind. Proteins derived from animal sources, such as milk, meat and meat byproducts, are very desirable for poultry, dogs, hogs, and young animals of all kinds. They are not so necessary for mature animals, especially the ruminating animals, because these have the power to utilize other proteins.

**Fat** is a nutrient in feeds soluble in ether. It produces heat and energy in the animal economy, its value for such being 2.25 times that of either nitrogen-free extract or protein. Fats also help to maintain the normal function of the digestive tract, and excess fat may be stored in the body. Comparatively small amounts of fat are needed for animals. Most rations contain a sufficient amount.

**Fiber** is the woody portion or structural part of plants, grains, and outer grain coating. It consists mainly of cellulose, which has little feed value. When present in too large quantity, it has a retarding effect on the digestion of other nutrients and is itself only slightly digested. Its chief value appears to be its mechanical action in the intestinal tract, tho cattle, sheep, and goats digest a considerable amount of it. Excessive fiber in a feed generally indicates that the percentage of essential nutrients is low and that their digestibility is impaired. Stems, hulls, and chaff are mainly fiber.

**Ash** is the mineral matter or residue obtained when a feed has been completely burned. The ash of clean vegetable materials contains mineral substances which the plant has taken from the soil. Most of these are essential constituents of feeds. They form the bony structure of the animal and are essential in maintaining the normal functions. It follows that the same is true of some rations. Because of the nature of commercial feeds suitable for different kinds of animals, mineral deficiencies are more likely to occur in mixtures for poultry and hogs than in those for cattle, horses, and sheep. The mineral substances most commonly deficient are calcium and phosphorus. An excess amount of ash in a feed usually means the presence of inert matter, such as dirt or sand.

**Water** is present in all feeds. It adds nothing to their value because animals receive their main supply of water from other sources. Water reduces the value of a feed by decreasing the percentages of the other nutrients, and much water lowers the keeping quality of the feed.

**Nitrogen-free extract.** In making the usual chemical analysis of a feed, the chemist determines the percentages of protein, ether extract (fat), fiber, ash, and water and terms the remainder nitrogen-free extract. It is composed chiefly of starch and sugars, which are easily digestible. In grains it is practically all starch. Nitrogen-free extract and fat in the diet of an animal are oxidized to maintain body heat and produce energy for work. While nitrogen-free extract is less than half as effective as fat in this respect, it is present in so much larger quantity that it is more important in a feed. Also, nitrogen-free extract may be used to produce fat stored in the body, as in fattening an animal.

#### SOME ABUSES IN FEEDS

Some of the abuses found in feeds in Kentucky during the year are pointed out in the following paragraphs, for the benefit of the feeder, who is the backbone of the livestock industry, and the manufacturer, who stands for honesty and quality in the feed industry, with the hope that both will join with the Department in an endeavor to eliminate as much as possible the economic cheats and frauds practiced in the feed industry.

*Alfalfa Products.* Alfalfa products are used in special-purpose and mixed feeds. The feeder has no way to know their quality and depends on the service of the Feed Control Department and the honesty of the manufacturer to protect his interest. Much inferior alfalfa meal is used in low-grade feeds. Often alfalfa that has been stripped of part of the leaves is ground and mixed in feeds, under the name of

alfalfa meal. Sometimes alfalfa stems are used in the same way. Most of the inferior meals and deleafed meals are used in low-grade dairy feeds. Much of it has been treated with molasses to disguise its quality. The better grades of alfalfa and leaf meals are used in poultry and hog feeds. Alfalfa meal was guaranteed in a number of feeds this year and the alfalfa meal was very stemmy. In some cases alfalfa stem meal was substituted for alfalfa meal.

*Animal Products.* Some samples of meat scraps and tankage were adulterated with ground limestone, bone, and stomach content. These were reported as adulterated and misbranded.

*Salt.* Some samples of feed were found to contain excess salt.

*Screenings-Grain.* Screenings-grain were guaranteed in some feeds, but ground screenings or screenings refuse were substituted for them. Ground screenings were guaranteed in other feeds and screenings refuse were substituted for them. In a few feeds flax plant by-product was used instead of oat hull feed or ground screenings. Wheat screenings were guaranteed in some feeds, but ground screenings were substituted.

In some feeds ground corn and cob were used instead of ground corn.

#### NECESSITY OF MICROSCOPICAL ANALYSIS

As mentioned, chemical analysis does not indicate the digestibility of feeding materials. So to be sure that desirable materials were used which supply the correct amounts of protein, fat, carbohydrate and mineral matter, it is necessary to identify them. This is not always simple. In modern milling methods, materials are so finely ground as to obscure the original character of certain inferior materials, and identification becomes difficult. An experienced microscopist is necessary to identify the ingredients of feeds. Identification is possible because practically all feeding materials are composed of cells, characteristic of each product. In a ground feed the various cells and tissues can be seen and identified with the aid of the microscope. Every sample of feed received is subjected to a microscopical examination. A record is made of the nature of the ingredients that make up the feed.

By means of microscopical examination one is able to judge: First, whether the feed contains the guaranteed ingredients, and the quality of each. Second, whether it contains other ingredients and whether or not they are adulterants. Third, whether any of the ingredients are present in such small proportions that their presence does not materially affect the nature of the feed.

The products of which feeds are made vary not only in chemical analysis and digestibility, but in palatability, purity and physical condition. Hence, it is not only desirable to know how much protein, fat and fiber are present in a feed and their digestibility but the quality of these materials as well. It is desirable to know whether excessive fiber is due to the presence of alfalfa meal or to oat hulls, and whether the protein comes from linseed oil meal or poor quality tankage. Again, if a feed is shown by analysis to be low in protein, the question arises as to whether this low protein is due to an inferior low-protein adulterant or to wheat flour, a product low in protein, but highly digestible, and therefore relatively desirable. The microscopical examination shows what products are present.

If a feed diverges widely from the guaranty as to chemical constituents, it is a strong indication that some desirable ingredient has been left out, something added, or the proportions of the ingredients materially changed. The microscopical examination shows the nature of these changes.

Too much importance has been given in the past to the guaranteed chemical analysis and not enough to the guaranteed ingredients. Because of this, unscrupulous manufacturers have met their chemical guaranties, but not with the ingredients guaranteed.

The importance of the microscopical examination becomes more pronounced each year. There are hardly as many as fifty materials in general use as feedstuffs and the products from them are becoming more standardized each year. The better standardized the products, the easier it is for the microscopist to classify them. It becomes increasingly pronounced that when only relatively well-standardized products are used in mixed feeds the microscopist can tell with the aid of the chemist, within reasonable bounds, the percentage composition of the ingredients. If he goes far wrong it is generally because of the presence of some product which has a widely variable composition. It is not a difficult matter to tell if an ingredient is left out, an inferior one added, or a substitution made.

The definitions adopted by the Association of American Feed Control Officials are a great help to both chemist and microscopist. Quite frequently samples of "feed" with absolutely no data, are received for analysis. If it were not for the experience of the present-day feedstuffs microscopist these samples would be very difficult to handle; yet today we are able to get a fairly clear idea of the amounts of ingredients present if they are materials classified in the definitions of the American Feed Control Officials. Another very important feature of microscopical examination is that it serves as a check on the

chemical analysis. It is safe to say that hundreds of duplicate analyses have been avoided thru the microscopical examinations.

Definite procedure in microscopical technic varies according to composition of feedstuffs. Technical procedure depends upon the materials present, the difficulty of identifying them and the readiness with which the percentage of each ingredient can be estimated with reasonable accuracy. The procedure is based on experience obtained on prepared samples of more or less standardized products. The presence of screenings and waste materials of extremely variable composition makes the microscopical examination more difficult.

It is desirable to obtain all information possible about the sample before analysis. This, of course, is essential in any analytical work whether in the field of chemistry, microscopy, medicine or law.

Only a microscopist with experience in this work can estimate the percentage amount of ingredients present with proper degree of accuracy. As a check on his examination he approximates the chemical composition of the feed in question based on average composition of each ingredient and the estimated amount of each. A comparison is made with the actual chemical analysis. As already mentioned we have found this procedure to serve as a check of the work of the chemist, also and a great deal of duplication is avoided.

The microscopists technic is based on both microscopical and macroscopical general and special methods. Association of American Feed Control Official methods are used as far as possible.

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED

October, November, and December, 1948

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 bold-face type, a pointing hand, and (where necessary) appropriate remarks under the listing of the feed that was labeled incorrectly.

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Abilene Flour Mills Co., The, Abilene, Kansas</b>						
Wheat Bran and Screenings.....	14.5	15.5	3.75	4.4	10.0	10.5
<b>Acme-Evans Co., Indianapolis, Indiana</b>						
Acme 16% Pig and Hog Feed.....	16.0	17.2	3.5	4.9	6.0	6.1
Ky. Farm Feed.....	14.0	14.4	3.0	3.0	9.5	2.7
<b>H. T. Adams &amp; Co., Harrodsburg, Kentucky</b>						
Hopper Stock Feed.....	11.5	12.1	2.25	3.5	12.5	5.4
<b>Albany Mills, Albany, Kentucky</b>						
☞ Mixed Feed.....	13.5	<b>11.6</b>	3.0	3.1	8.0	5.2
Below guarantee in protein.						
<b>Albers Milling Co., Seattle, Washington</b>						
Manna 25% Calf Feed.....	25.0	27.5	4.0	5.0	5.5	4.5
Manna 25% Calf Feed.....	25.0	27.5	4.0	4.3	5.5	3.9
<b>Alfocorn Milling Co., East St. Louis, Illinois</b>						
☞ Dollar Mark 18% Laying Mash.....	18.0	<b>16.3</b>	3.5	3.0	8.0	7.6
Below guarantee in protein.						
☞ Full Pail 16% Dairy Feed.....	16.0	<b>15.1</b>	3.5	<b>2.2</b>	15.0	13.8
<b>Allen County Mill, Scottsville, Kentucky</b>						
Alco 16% Dairy Feed.....	16.0	17.3	3.5	4.4	15.0	10.6
Alco 16% Dairy Feed.....	16.0	16.3	3.5	4.0	15.0	9.0
Alco 16% Dairy Feed.....	16.0	16.9	3.5	5.6	15.0	8.4
☞ Corn By-Products Feed.....	10.0	<b>8.3</b>	5.5	4.7	6.0	7.1
Adulterated with corn screenings.						
<b>Allied Mills, Chicago, Illinois</b>						
Wayne Super Broiler Feed.....	22.0	23.8	3.5	4.4	4.5	4.8
Wayne Egg Mash.....	20.0	20.8	3.0	4.4	8.0	7.7
Wayne Egg Mash.....	20.0	21.5	3.0	4.5	8.0	7.1
☞ Wayne 18% Mash Layer.....	18.0	17.9	3.0	3.9	8.0	<b>9.2</b>
☞ Wayne 18% Mash Layer.....	18.0	19.4	3.0	3.4	8.0	<b>9.1</b>
☞ Economy Scratch Feed.....	9.0	10.0	2.0	3.7	5.0	3.1
Adulterated with screenings.						
Economy Scratch Feed.....	9.0	9.2	2.0	5.0	5.0	2.8
Wayne 32% Dairy Supplement.....	32.0	32.6	3.0	3.4	10.0	6.9
Wayne 20% Dairy Feed.....	20.0	21.7	3.0	3.4	10.0	8.3
Wayne 16% Dairy Feed.....	16.0	16.9	3.0	3.4	13.0	11.0
☞ Sugarine 16% Dairy Feed.....	16.0	<b>13.9</b>	3.0	<b>2.0</b>	15.0	15.1
Below guarantee in protein and fat.						
Excess clipped oat by-product.						
Adulterated and Misbranded.						
☞ Sugarine 16% Dairy Feed.....	16.0	19.3	3.0	<b>1.72</b>	15.0	14.0
Excess clipped oat by-product.						
☞ Sugarine 16% Dairy Feed.....	16.0	19.4	3.0	2.5	15.0	14.9
Excess clipped oat by-product.						
☞ Sugarine 16% Dairy Feed.....	16.0	18.2	3.0	<b>2.2</b>	15.0	12.8
Excess clipped oat by-product.						
Wayne Special 40% Hog Supplement.....	40.0	43.8	2.5	4.1	8.0	6.3
Wayne Pork Maker.....	14.0	15.2	3.0	3.6	8.0	7.3
Wayne Dog Food.....	22.0	21.6	4.0	5.8	5.0	3.8
<b>Always-A-Head Mills, East St. Louis, Illinois</b>						
☞ Domor 17% Pig and Hog Feed.....	17.0	19.3	3.5	3.6	6.0	<b>6.9</b>

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Anglo Sweet Feed Mills, Owensboro, Kentucky</b>						
Ace Perfection 20% All Purpose Poultry Mash	20.0	21.0	4.5	5.3	6.5	6.0
Ace Perfection 35% Poultry and Turkey Mash Supplement	35.0	36.0	5.0	7.7	7.0	7.5
Ace 40% Pig and Hog Supplement	40.0	42.4	4.5	8.4	8.0	6.1
Ace Perfection 35% Dairy Supplement	35.0	34.7	5.0	5.6	8.0	7.9
<b>Arcady Farms Milling Company, Chicago, Illinois</b>						
Wonderfat 14% Station Feed	14.0	16.4	4.5	4.6	8.0	7.5
☞ Arcady 20% Dairy Feed	20.0	22.4	3.5	3.3	12.0	12.0
Adulterated with cottonseed hulls.						
☞ Arcady 16% Dairy Feed	16.0	15.7	3.5	2.5	13.5	12.5
☞ Atlantic Besbet 16% Dairy Feed	16.0	26.10	3.5	2.9	15.0	9.6
☞ Atlantic Besbet 16% Dairy Feed	16.0	22.6	3.5	3.2	15.0	12.5
☞ Clipped Oat By-Products, Cottonseed Meal and Molasses	9.0	9.0	1.5	.9	12.0	10.2
☞ Clipped Oat By-Products, Cottonseed Meal and Molasses	9.0	10.0	1.5	.9	12.0	10.3
<b>Armour &amp; Co., Chicago, Illinois</b>						
☞ Armour's 60% Digester Tankage	60.0	58.9	6.0	4.6	3.0	2.2
<b>Aubrey &amp; Company, Louisville, Kentucky</b>						
Red "A" 20% All-Mash Starter, Grower, Broiler Ration	20.0	21.5	4.0	4.1	6.0	6.5
☞ Red "A" 20% All-Mash Starter, Grower, Broiler Ration	20.0	19.3	4.0	4.2	6.0	6.5
Red "A" 20% All-Mash Starter, Grower, Broiler Ration	20.0	21.3	4.0	5.2	6.0	6.3
☞ Red "A" 20% All-Mash Starter, Grower, Broiler Ration	20.0	21.5	4.0	4.2	6.0	6.8
Red "A" Special Broiler Ration	20.0	22.8	3.5	3.8	4.5	4.7
Red "A" 20% Laying Mash	20.0	21.4	4.0	4.1	8.0	7.4
Red "A" 20% Laying Mash	20.0	22.1	4.0	4.4	8.0	7.4
Red "A" 20% Laying Mash	20.0	21.2	4.0	4.5	8.0	7.3
☞ Red "A" 24% Dairy Feed	24.0	25.2	4.5	3.8	15.0	10.0
☞ Red "A" 24% Dairy Feed	24.0	24.9	4.5	4.7	15.0	11.0
☞ Supreme 24% Dairy Feed	24.0	24.1	4.5	3.3	12.0	7.6
Red "A" Dairy Feed	20.0	20.8	4.0	4.1	14.0	8.0
Red "A" 16½% Dairy Feed	16.5	17.3	3.5	3.7	15.0	11.8
☞ Red "A" 16½% Dairy Feed	16.5	18.0	4.0	2.9	15.0	14.7
Red "A" 18% Sow and Pig Feed	18.0	20.1	4.0	4.7	6.0	6.4
Red "A" 40% Hog Supplement	40.0	42.1	2.5	2.1	7.0	7.4
Aubrey's 41% Cottonseed Meal	41.0	41.9	6.0	6.6	12.0	10.4
Aubrey's 41% Cottonseed Meal	41.0	41.4	6.0	5.6	12.0	10.7
☞ Aubrey's 41% Cottonseed Meal	41.0	38.0	6.0	4.7	12.0	14.6
Very much below guarantee in protein and fat. Very much above guarantee in fiber. Excess cottonseed hulls. Adulterated and Misbranded.						
☞ Aubrey's 34% Linseed Oil Meal	34.0	36.1	6.0	4.1	9.5	8.9
☞ Aubrey's 34% Linseed Oil Meal	34.0	35.1	6.0	5.1	9.5	8.6
☞ Aubrey's 34% Linseed Oil Meal	34.0	35.9	6.0	4.4	9.5	9.6
☞ Red "A" Wheat Red Dog (Soft Wheat)	16.0	18.3	3.5	4.8	3.5	4.9
☞ Red "A" 60% Digester Tankage	60.0	57.8	6.0	6.4	2.5	1.4
Below guarantee in protein. Misbranded.						
Red "A" 50% Meat Scraps	50.0	50.3	8.0	11.7	2.0	1.4
Hominy Meal	10.0	11.2	7.0	7.5	6.0	3.4
<b>Auburn Mills, The, Auburn, Kentucky</b>						
☞ Mixed Feed	14.4	13.2	4.5	3.6	7.5	7.1
☞ Corn By-Products Feed	10.8	10.4	9.0	6.3	8.3	5.8
<b>Aviston Milling Co., St. Louis, Missouri</b>						
☞ Hobby Wheat Gray Shorts and Screenings	16.0	12.8	4.0	3.6	6.0	5.7
Below guarantee in protein. Misbranded.						
<b>Aylor and Meyer Co., Aurora, Indiana</b>						
☞ Rainbow 16% Dairy Feed	16.0	18.0	3.0	4.0	10.0	10.0
Adulterated with screenings.						

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Ballard and Ballard Co., Louisville, Kentucky</b>						
Insurance 20% Laying Mash.....	20.0	21.6	3.5	4.2	7.0	7.4
☞ Insurance 20% Laying Mash.....	20.0	22.0	3.5	4.4	7.0	7.6
☞ Insurance 20% Laying Mash.....	20.0	20.4	3.5	4.2	7.0	7.8
☞ Insurance Special Purpose 20% Laying Mash.....	20.0	21.4	3.5	3.1	8.0	8.6
Insurance Special Purpose 20% Laying Mash.....	20.0	22.1	3.5	3.5	8.0	8.3
☞ Insurance Special Purpose 20% Dairy Feed.....	20.0	21.2	3.5	3.6	12.0	12.6
Insurance Special Purpose 20% Dairy Feed.....	20.0	19.9	3.5	3.6	12.0	11.2
Milk Insurance 24% Dairy Feed.....	24.0	25.9	3.5	4.3	9.0	7.8
Insurance 40% Pig and Sow Supplement.....	40.0	39.9	5.0	5.1	8.0	6.0
☞ Insurance 36% Pig and Sow Supplement (Pellets).....	36.0	36.8	5.0	3.6	8.0	11.3
Very much above guarantee in fiber. Misbranded.						
Insurance Pork Builder (Fattening Feed)	14.0	17.5	3.5	3.5	8.0	5.5
Insurance Pork Builder (Fattening Feed)	14.0	16.5	3.5	3.6	8.0	7.7
☞ Insurance 24% Dog Feed.....	24.0	23.1	4.0	3.8	4.0	4.5
Ballards Kentucky Farm Feed and Screenings.....	16.0	16.9	4.0	4.2	7.0	6.7
<b>Ballard, Frank, Springfield, Kentucky</b>						
Frank Ballard's 14% Stock Feed.....	14.0	14.5	3.5	3.6	9.0	6.6
<b>Bardstown Mills, Bardstown, Kentucky</b>						
☞ Royal Wheat Mixed Feed and Screenings.....	15.5	12.7	4.0	3.6	8.5	7.6
Very much below guarantee in protein. Misbranded.						
☞ Royal Mixed Feed.....	14.75	11.90	4.5	3.5	7.75	6.6
Very much below guarantee in protein and fat. Misbranded.						
☞ Royal Mixed Feed.....	14.75	11.2	4.5	3.9	7.75	7.6
Very much below guarantee in protein and fat. Misbranded.						
☞ Cracked Wheat.....	11.5	8.8	2.0	1.6	2.25	3.0
Very much below guarantee in protein. Adulterated with screenings. Misbranded.						
☞ Cracked Wheat.....	11.5	10.8	2.0	1.8	2.25	3.3
Adulterated with screenings.						
<b>Baughman Milling Co., Stanford, Kentucky</b>						
Banner 16% Dairy Feed.....	16.0	15.5	3.5	4.8	10.0	8.8
☞ Banner Stock Feed.....	13.5	11.5	3.5	5.4	7.0	8.0
Very much below guarantee in protein. Adulterated with screenings refuse. Misbranded.						
☞ Banner Stock Feed.....	13.5	11.1	3.5	5.1	7.0	7.5
Very much below guarantee in protein. Adulterated with screenings refuse. Misbranded.						
<b>Beaver Dam Milling Company, Beaver Dam, Kentucky</b>						
Eureka 24% Dairy Feed.....	24.0	24.3	3.5	3.9	10.5	7.1
☞ Eureka 16% Dairy Feed.....	16.0	14.9	3.5	2.8	12.5	6.4
Eureka 16% Dairy Feed.....	16.0	18.2	3.5	3.0	12.5	7.1
☞ Eureka 16% Dairy Feed.....	16.0	19.2	3.5	2.7	12.5	7.0
Adulterated with screenings. Misbranded.						
☞ Eureka 16% Dairy Feed.....	16.0	15.4	3.5	3.2	12.5	6.3
☞ Eureka 90% Grain Horse and Mule Feed.....	9.5	9.2	3.5	2.6	12.0	7.0
Eureka 90% Grain Horse and Mule Feed.....	9.5	10.3	3.5	3.2	12.0	7.7
Eureka 90% Grain Horse and Mule Feed.....	9.5	10.6	3.5	3.3	12.0	8.0
<b>Bell Milling Company, Monticello, Kentucky</b>						
Bell's 18% Egg Mash.....	18.0	19.8	2.5	3.2	7.0	5.4
<b>Benson Valley Milling Co., Frankfort, Kentucky</b>						
16½% Dairy Feed.....	16.5	17.7	3.0	5.0	10.0	8.5



TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Big Four Mills, Ltd., Covington, Kentucky</b>						
Big Four 18% Laying Mash Adulterated with screenings refuse.	18.0	21.0	3.5	4.2	7.0	8.4
Big Four 24% Dairy Feed	24.0	24.9	3.5	3.5	12.0	9.9
Big Four 24% Dairy Feed	24.0	24.7	3.5	3.2	12.0	9.6
Big Four 20% Dairy Feed	20.0	24.7	3.5	3.4	12.5	12.5
O.K. 18% Dairy Feed	18.0	19.6	3.5	3.2	15.0	13.2
O.K. 16% Dairy Feed	16.0	19.2	3.5	3.6	15.0	13.7
O.K. 16% Dairy Feed	16.0	19.6	3.5	3.6	15.0	13.5
O.K. 16% Dairy Feed	16.0	19.9	3.5	3.0	15.0	13.5
O.K. 16% Dairy Feed	16.0	19.1	3.5	3.3	15.0	12.8
O.K. 16% Dairy Feed	16.0	20.9	3.5	4.0	15.0	13.2
O.K. 16% Dairy Feed	16.0	16.9	3.5	3.8	15.0	13.6
Big Four 36% Hog Supplement	36.0	37.5	4.5	3.8	8.0	7.1
Big Four 20% Hog Feed (Fattening)	20.0	20.2	3.5	3.9	8.0	6.7
<b>Binns Milling Co., Herndon, Kentucky</b>						
Binns Do-More 18% Laying Mash Adulterated with screenings. Misbranded.	18.0	16.3	3.0	3.1	8.0	5.8
Eclipse 15½% Hog Feed Very much below guarantee in protein and fat. Misbranded.	15.5	13.4	5.5	3.7	6.0	5.0
Eclipse 15½% Hog Feed Adulterated with screenings. Misbranded.	15.5	13.9	5.5	3.6	6.0	5.4
Eclipse Mixed Feed Very much below guarantee in protein. Misbranded.	15.0	11.4	4.5	4.0	8.0	7.1
<b>Blair Milling Co., The, Atchison, Kansas</b>						
Soft Wheat Gray Shorts and Screenings	16.0	14.8	4.0	3.8	6.0	5.0
Soft Wheat Gray Shorts and Screenings	16.0	15.7	4.0	3.8	6.0	4.9
Wheat Gray Shorts and Screenings	16.0	15.7	4.0	3.8	6.0	7.0
<b>Blish Milling Co., Seymour, Indiana</b>						
Bulls Eye Wheat Brown Middlings and Screenings	16.0	14.4	4.0	4.5	7.5	6.9
Bulls Eye Wheat Brown Middlings and Screenings	16.0	14.1	4.0	4.1	7.5	6.5
Bulls Eye Wheat Brown Middlings and Screenings	16.0	14.6	4.0	4.0	7.5	7.5
Woodstock Wheat Bran Very much below guarantee in protein.	15.0	12.7	3.75	3.0	10.0	9.5
<b>Blue Bird Feed Mill, Somerset, Kentucky</b>						
Red Bird 16% Dairy Feed	16.0	15.8	3.5	2.4	15.0	15.4
<b>Bremco Alfalfa Mills, Inc., New Bremen, Ohio</b>						
17% Dehydrated Alfalfa Meal Used in mixing.	17.0	15.2	—	2.7	—	27.4
<b>Broadway Roller Mills, Bowling Green, Kentucky</b>						
Steves 15% Stock Feed	15.0	15.1	3.5	4.0	10.0	5.0
<b>Brode Corp., Memphis, Tennessee</b>						
Owl 41% Cottonseed Meal	41.0	40.4	5.0	5.8	12.0	12.8
Owl 41% Cottonseed Meal	41.0	41.5	5.0	5.9	12.0	10.1
Owl 41% Cottonseed Meal	41.0	40.9	5.0	6.0	10.0	11.7
Owl 41% Cottonseed Meal	41.0	39.2	5.0	5.8	12.0	12.0
Owl 41% Cottonseed Meal	41.0	39.5	5.0	5.7	12.0	11.9
<b>Browder Milling Co., Fulton, Kentucky</b>						
Lucky Strike 24% Dairy Feed Very much below guarantee in protein. Misbranded.	24.0	21.9	4.0	3.5	11.0	9.2
Browder's Big 16% Dairy Feed	16.0	15.4	3.0	2.4	14.0	10.6
16% Sweet Dairy Feed	16.0	15.7	4.0	3.0	12.0	9.7
<b>Bryants Mill, Caneyville, Kentucky</b>						
Kentucky Farm 18% Hog Fattening Feed	18.0	16.8	3.5	5.4	7.0	5.8
Kentucky Farm 18% Hog Fattening Feed Adulterated with screenings.	18.0	18.1	3.5	5.2	7.0	5.4

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Buckeye Cotton Oil Co., The, Cincinnati, Ohio</b>						
Buckeye 41% Soybean Oil Meal.....	41.0	44.8	3.5	3.8	7.0	6.2
Buckeye 41% Cottonseed Meal.....	41.0	41.5	5.0	5.5	12.0	11.2
<b>Buffalo Roller Mills, Buffalo, Kentucky</b>						
Sea Foam Mixed Feed.....	14.85	10.7	4.0	4.0	8.5	8.2
Very much below guarantee in protein. Misbranded.						
Sea Foam Mixed Feed.....	14.85	11.0	4.0	3.6	8.5	6.8
Very much below guarantee in protein. Misbranded.						
Sea Foam Wheat Mixed Feed and Screenings.....	15.5	10.6	4.0	3.5	8.5	7.3
Very much below guarantee in protein. Misbranded.						
<b>Buhner and Company, Louisville, Kentucky</b>						
Happy Farmer 20% Laying Mash.....	20.0	19.7	3.5	4.3	8.0	7.6
Buhner's 24% Protein and Mineral Dairy Feed.....	24.0	28.1	3.0	3.8	12.0	8.0
Calcium .....	2.4	2.67	Phosphorus		.5	.56
Salt .....	2.0	3.38				
Buhner's 20% Dairy Feed.....	20.0	21.4	3.5	3.2	12.0	13.1
Buhner's 20% Dairy Feed.....	20.0	21.9	3.5	3.6	12.0	14.2
Very much above guarantee in fiber.						
Buhner's Special 16% Dairy Feed.....	16.0	15.3	3.0	2.8	15.0	15.7
Adulterated with oat hull feed.						
Buhner's Special 16% Dairy Feed.....	16.0	17.1	3.0	3.0	15.0	15.2
Buhner's Special 16% Dairy Feed.....	16.0	17.8	3.0	3.6	15.0	15.2
Magnolia 16% Dairy Feed.....	16.0	18.2	3.0	2.5	15.0	14.0
Happy Farmers 40% Protein and Mineral Hog Supplement.....	40.0	43.5	3.5	2.2	7.0	4.9
Happy Farmers 40% Protein and Mineral Hog Supplement.....	40.0	42.6	3.5	4.7	7.0	5.7
Calcium .....	5.0	5.16	Phosphorus		1.0	1.76
Iodine .....	.0011		Salt		2.5	3.1
Buhner's Happy Farmer 20% Pig and Sow Ration.....	20.0	22.2	3.5	3.0	6.0	6.4
Buhner's Happy Farmer 20% Pig and Sow Ration.....	20.0	22.3	3.5	3.6	6.0	6.2
Buhner's Happy Farmer 14% Hog Fattener	14.0	15.4	3.5	3.7	7.0	8.4
Buhner's 41% Soybean Oil Meal.....	41.0	45.2	4.5	4.5	7.0	7.2
Buhner's 41% Cottonseed Meal.....	41.0	40.5	6.0	6.0	11.0	11.5
Buhner's 41% Cottonseed Meal.....	41.0	40.0	6.0	6.0	11.0	11.4
Buhner's 41% Cottonseed Meal.....	41.0	42.0	6.0	6.0	11.0	11.0
Buhner's 41% Cottonseed Meal.....	41.0	41.8	6.0	5.7	11.0	11.5
Buhner's Happy Farmer Hominy Feed.....	10.0	11.1	7.0	6.5	6.0	4.2
Buhner's Happy Farmer Hominy Feed.....	10.0	9.9	7.0	6.6	6.0	4.7
Buhner's Happy Farmer Wheat Mixed Feed.....	15.0	13.7	4.0	3.5	10.0	8.1
<b>Buhner Fertilizer Co., The, Seymour, Indiana</b>						
Buhner's Happy Farmer 60% Tankage.....	60.0	54.7	4.0	8.5	3.0	2.5
Very much below guarantee in protein. Misbranded.						
<b>Bundy Bros. Milling Company, Medora, Indiana</b>						
Monarch 18% Laying Mash.....	18.0	17.8	4.0	3.6	7.0	5.1
Monarch 18% Laying Mash.....	18.0	17.6	4.0	4.6	7.0	6.1
Wheat Mixed Feed and Screenings.....	16.0	15.6	4.0	3.7	8.0	11.0
Very much above guarantee in fiber. Misbranded.						
<b>Buntin Feed Mills, Portland, Tennessee</b>						
Red River Brand Dairy Feed.....	16.0	17.8	3.25	2.8	15.0	12.2
Excess screenings. Not registered.						
Red Rines 16% Dairy Feed.....	16.0	20.8	3.25	3.8	15.0	14.5
Not registered.						

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Butts Milling Co., Fulton, Kentucky</b>						
Butts Special 16% Dairy Feed.....	16.0	15.5	3.0	3.1	15.0	12.3
Butts Super Hog Feed.....	16.0	17.7	3.0	4.0	8.0	7.3
<b>Cadick Milling Co., Grandview, Indiana</b>						
☞ Hominy Feed.....	10.0	9.4	7.0	4.8	6.0	5.3
Very much below guarantee in fat. Misbranded.						
☞ Hominy Feed.....	10.0	9.6	7.0	4.5	6.0	6.6
Very much below guarantee in fat. Misbranded.						
<b>Cadiz Milling Company, Cadiz, Kentucky</b>						
☞ Sunbeam Wheat Mixed Feed and Screenings.....	16.0	12.0	4.0	3.1	8.5	6.7
Very much below guarantee in protein. Adulterated with screenings. Misbranded.						
<b>Campbell's Mill, Kevil, Kentucky</b>						
Campbell's 18% Egg Mash.....	18.0	17.8	2.5	3.2	7.0	5.7
Campbell's 16% Dairy Feed.....	16.0	15.8	3.0	3.2	12.0	7.5
<b>Campbellsville Milling Company, Campbellsville, Ky.</b>						
☞ Wheat Mixed Feed with Screenings.....	15.5	10.8	4.0	3.0	8.5	5.3
Very much below guarantee in protein. Misbranded.						
☞ Mixed Feed with Screenings.....	15.0	11.1	4.0	3.6	8.5	6.6
Very much below guarantee in protein. Misbranded.						
<b>Carlisle Mill &amp; Supply Co., Carlisle, Kentucky</b>						
☞ Old Kentucky Mixed Feed.....	12.5	12.2	3.5	2.7	7.0	6.4
Excess screenings containing weed seeds.						
<b>Central Mills, Wilmore, Kentucky</b>						
☞ Bouquet Mixed Feed.....	14.25	13.4	4.0	3.4	7.5	7.0
<b>Central Soya Co., Inc., Fort Wayne, Indiana</b>						
Central 41% Expeller Soybean Oil Meal...	41.0	44.7	3.5	4.4	7.0	5.9
Central 41% Expeller Soybean Oil Meal...	41.0	43.3	3.5	4.7	7.0	6.8
<b>Cincinnati Grain &amp; Hay Co., Cincinnati, Ohio</b>						
☞ No-Better 24% Sweet Dairy Ration.....	24.0	26.2	4.5	3.2	9.5	8.5
No-Better 24% Sweet Dairy Ration.....	24.0	26.3	3.5	4.1	9.5	8.7
☞ No-Better 16% Sweet Dairy Feed.....	16.0	17.1	4.0	3.4	11.0	10.7
No-Better 16% Sweet Dairy Feed.....	16.0	17.8	3.0	3.6	11.0	9.1
<b>Citizens Milling Co., Somerset, Kentucky</b>						
Citizens 13% Stock Feed.....	13.0	14.3	3.25	4.7	8.0	8.4
Cumberland Special Mixed Feed.....	16.0	16.6	4.0	4.1	10.0	7.5
<b>Clark, R. E., Milling Co., Chillicothe, Ohio</b>						
Clark's Cracked Corn.....	8.0	8.0	3.5	3.5	3.0	2.4
<b>Clarkson Milling Co., Clarkson, Kentucky</b>						
Fidelity 20% Laying Mash.....	20.0	22.4	3.5	4.0	7.0	6.2
Fidelity 18% Pig and Hog Ration.....	18.0	20.7	3.5	3.5	6.0	5.5
☞ Ground Wheat and Flour.....	10.5	9.1	1.5	1.8	2.5	3.6
<b>Clifty Falls Mills, Madison, Indiana</b>						
32% Dairy Supplement.....	32.0	36.6	2.0	2.3	9.0	5.5
Clifty Falls 16% Cow Feed.....	16.0	19.2	3.0	3.4	15.0	11.1
Clifty Falls 16% Cow Feed.....	16.0	20.6	3.0	3.4	15.0	8.1
Clifty Falls 16% Cow Feed.....	16.0	20.1	3.0	3.6	15.0	8.6
Clifty Falls Stock Feed.....	15.0	16.8	3.0	4.0	9.0	7.5
Clifty Falls 14% Stock Feed.....	14.0	16.7	3.0	4.0	15.0	7.6
☞ Clifty Falls 18% Pig and Sow Feed.....	18.0	17.5	3.5	3.4	6.0	6.7
Adulterated with screenings.						
☞ Clifty Falls Horse and Mule Feed.....	10.0	9.0	2.5	3.6	10.0	4.6

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER		
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.	
<b>Clinton Milling Co., Clinton, Kentucky</b>							
Special 40% Hog Supplement.....	40.0	41.1	4.0	4.0	8.5	7.4	
<b>Coast Fishing Co., Wilmington, California</b>							
Puss'n Boots Cat Food.....	12.0	13.8	3.0	2.8	1.0	1.4	
<b>Coleman &amp; Sons, Clell, Burgin, Kentucky</b>							
Coleman's Pig and Sow Feed.....	16.5	16.1	4.5	4.1	6.0	6.1	
Big Blue Stock Feed.....	16.5	14.9	4.5	4.1	6.5	6.8	
Coleman's Favorite Feed.....	15.0	13.1	4.0	4.2	8.5	7.7	
<b>Colonial Coal &amp; Supply Co., Erlanger, Kentucky</b>							
Colonial 20% Dairy Feed.....	20.0	20.3	3.0	2.7	8.5	4.4	
<b>Columbus Milling Co., Columbus, Indiana</b>							
Scratch Feed.....	9.5	8.7	3.0	3.1	4.0	2.1	
Adulterated with about 9,500 corn cockle seed.							
Hominy Feed.....	10.0	9.7	7.0	7.4	5.0	3.8	
<b>Community Milling Co., Irvington, Kentucky</b>							
Soft Wheat Mixed Feed.....	15.50	11.6	4.0	3.3	8.5	8.0	
Very much below guarantee in protein. Misbranded.							
Soft Wheat Feed with Screenings.....	14.0	11.2	3.4	2.9	5.0	7.2	
Very much below guarantee in protein and fat. Very much above guarantee in fiber. Adulterated with screenings. Misbranded.							
<b>Cooperative Mills, Inc., Cincinnati, Ohio</b>							
Super 20% Laying Mash.....	20.0	21.8	3.5	3.3	8.0	6.6	
Milk Maker 24% Dairy Feed.....	24.0	26.8	4.0	3.2	10.0	9.6	
Milk Maker 24% Dairy Feed.....	24.0	23.9	4.0	3.2	10.0	8.0	
20% Dairy Feed.....	20.0	19.5	3.5	3.3	12.0	12.4	
20% Dairy Feed.....	20.0	20.4	3.5	3.3	12.0	12.4	
Milk Maker 16% Dairy Feed.....	16.0	20.2	4.0	4.6	10.0	10.2	
Special 16% Dairy Feed.....	16.0	17.8	3.5	3.4	15.0	13.2	
Special 16% Dairy Feed.....	16.0	18.7	3.5	3.1	14.0	13.3	
Special 16% Dairy Feed.....	16.0	17.5	3.5	3.2	15.0	13.5	
40% Pork Maker.....	40.0	42.9	3.0	2.4	8.5	6.7	
Pork Maker 35% Hog Supplement.....	35.0	38.8	3.0	5.7	8.5	8.0	
50% Meat and Bone Scraps.....	50.0	51.3	5.0	4.0	3.0	3.3	
41% Cottonseed Meal.....	41.0	40.1	5.0	5.2	12.0	9.6	
32% Linseed Oil Meal.....	32.0	35.4	3.5	4.7	9.5	8.6	
Wheat Gray Middlings and Screenings.....	16.0	16.0	4.0	4.7	6.0	7.0	
Adulterated with screening refuse.							
Steamed Bone Meal.....			Calcium	27.5	26.15	—	—
			Phosphorus	13.0	12.31	—	—
Steamed Bone Meal.....			Calcium	27.5	26.8	—	—
			Phosphorus	13.0	12.26	—	—
Steamed Bone Meal.....			Calcium	27.5	27.5	—	—
			Phosphorus	13.0	12.0	—	—
<b>Crescent Roller Mills Co., Taylorsville, Ky.</b>							
Crescent 18% Laying Mash.....	18.0	17.2	4.0	3.4	7.0	6.1	
Crescent Stock Feed.....	14.0	11.7	4.5	4.3	6.0	4.2	
Very much below guarantee in protein. Misbranded.							
Crescent Stock Feed.....	14.0	12.4	4.5	3.4	6.0	4.3	
<b>Cundiff Milling Co., Columbia, Kentucky</b>							
Dividend Mixed Feed.....	15.0	12.1	4.0	3.9	6.8	8.1	
Very much below guarantee in protein. Misbranded.							
Dividend Mixed Feed.....	15.0	12.0	4.0	3.8	6.8	7.8	
Very much below guarantee in protein. Misbranded.							
Dividend Mixed Feed.....	15.0	12.9	4.0	4.2	6.8	8.9	
Very much below guarantee in protein. Very much above guarantee in fiber. Misbranded.							

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Darling &amp; Co., Reading, Ohio</b>						
Darling's 55% Meat Scraps..... Adulterated with hair, hoof and stomach contents. Misbranded.	55.0	54.4	3.0	4.4	3.0	2.7
<b>Denver Flour Mills Co., The, Denver, Colorado</b>						
Wheat Gray Shorts with Screenings.....	16.0	17.3	4.0	4.0	6.0	6.9
<b>Dewey Bros. Co., Blanchester, Ohio</b>						
Dewco Egg Mash.....	18.0	18.9	3.0	4.0	8.0	8.4
Dewey's Scratch Feed.....	9.0	9.1	3.0	2.9	4.0	3.7
Dewey 24% Dairy Ration.....	24.0	26.8	4.0	5.4	10.0	9.7
Dewco 24% Dairy Feed.....	24.0	24.6	3.0	3.5	15.0	13.5
Dewco 24% Dairy Feed.....	24.0	25.0	3.0	3.0	15.0	12.4
Dewey 16% Dairy Feed.....	16.0	21.3	3.5	3.9	15.0	11.7
Dewco 15% Pig and Hog Feed.....	15.0	17.1	3.5	4.5	7.0	7.3
Dewey's Horse Feed.....	9.0	10.8	3.0	3.5	9.0	8.5
<b>Dewine and Hamma, Yellow Springs, Ohio</b>						
Steel Cut Cracked Corn.....	8.0	8.6	3.75	3.3	3.0	2.0
<b>Dixie Mills Co., East St. Louis, Illinois</b>						
Dixie Laying Mash.....	20.0	21.7	4.0	4.9	6.5	6.7
Dixie Laying Mash.....	20.0	21.7	4.0	4.5	6.5	6.1
Dixie 24% Dairy Feed.....	24.0	26.5	4.0	3.8	12.0	9.7
Dixie 24% Dairy Feed.....	24.0	26.5	4.0	3.9	12.0	10.4
Dixie 24% Dairy Feed.....	24.0	26.3	4.0	3.7	12.0	10.3
Dixie 20% Dairy Feed.....	20.0	24.6	4.0	3.5	13.0	9.5
Dixie 16% Dairy Feed.....	16.0	19.0	3.5	3.6	14.0	10.0
Dixie Powergrain Horse and Mule Feed.....	10.0	10.6	3.0	3.8	10.0	6.2
<b>Doyle Packing Co., Momence, Illinois</b>						
Strongheart Dog and Cat Food.....	10.0	8.2	2.0	2.5	1.0	1.2
<b>Duncan &amp; Theiss, LaGrange, Kentucky</b>						
Dairy Maid 24% Dairy Feed.....	24.0	25.4	4.5	4.5	11.0	9.3
Dairy Maid 16% Dairy Feed.....	16.0	17.9	4.5	4.8	9.0	8.4
<b>Dyersburg Oil Co., Dyersburg, Tennessee</b>						
Dyersburg Oil Mill 41% Cottonseed Meal.....	41.0	40.7	6.0	5.9	10.0	11.4
Dyersburg Oil Mill 41% Cottonseed Meal.....	41.0	41.8	6.0	6.3	10.0	10.2
Dyersburg Oil Mill 41% Cottonseed Meal.....	41.0	40.6	6.0	5.8	10.0	10.0
<b>The Early and Daniel Co., Cincinnati, Ohio</b>						
Tuxedo Special Egg Mash.....	20.0	23.9	3.0	2.8	8.0	8.4
Tuxedo Special Egg Mash.....	20.0	23.3	3.0	3.3	8.0	8.0
Tuxedo Scratch Feed.....	9.0	9.7	3.0	2.8	4.0	4.0
Tuxedo 24% Dairy Feed.....	24.0	26.7	3.0	3.4	9.0	8.8
Tuxedo 24% Dairy Feed.....	24.0	27.1	3.0	4.7	9.0	8.8
Tuxedo Special 24% Dairy Feed.....	24.0	26.5	3.0	2.2	12.0	10.3
Tuxedo Special 20% Dairy Feed.....	20.0	21.5	3.0	4.3	12.0	9.8
Tuxedo Special 16% Dairy Feed.....	16.0	17.7	3.0	2.7	14.0	12.9
Tuxedo Special 16% Dairy Feed.....	16.0	17.5	3.0	3.8	14.0	14.0
Tuxedo Special 16% Dairy Feed.....	16.0	19.3	3.0	3.5	14.0	15.2
Tuxedo Big 40 40% Hog Supplement.....	40.0	43.5	2.5	2.7	7.0	6.1
Tuxedo Big 40 40% Hog Supplement.....	40.0	42.4	2.5	2.9	7.0	4.9
Tuxedo 19% Hog Ration (Fattening).....	19.0	21.4	3.0	2.8	8.0	8.1
Tuxedo Pig Meal.....	16.0	19.7	3.0	3.6	6.0	6.2
Tuxedo Pig Meal.....	16.0	19.7	3.0	4.2	6.0	6.0
Tuxedo Pig Meal.....	16.0	19.2	3.0	4.6	6.0	6.3
Tuxedo Porkmaker.....	14.0	17.1	3.0	4.5	6.0	6.5
Tuxedo Wheat Gray Middlings and Screenings.....	16.0	16.2	4.0	4.2	6.0	6.2
<b>Elkton Milling Co., Elkton, Kentucky</b>						
Mixed Feed.....	11.0	10.3	3.0	3.0	6.0	4.7
Mixed Feed.....	11.0	11.0	3.0	2.9	6.0	5.2

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Eshelman &amp; Sons, John W., Lancaster, Pennsylvania</b>						
Eshelman Red Rose 24% Dairy Feed.....	24.0	26.7	4.0	4.2	11.0	8.3
Eshelman Challenge 24% Dairy Feed.....	24.0	26.5	4.0	3.7	11.0	10.4
Kentucky Challenger 24% Dairy Feed.....	24.0	26.3	3.0	3.6	15.0	10.0
Eshelman Conestogo 20% Dairy Feed.....	20.0	20.9	4.0	4.4	11.0	9.6
Kentucky Pennsy 16% Dairy Feed.....	16.0	20.0	3.0	3.8	15.0	12.3
Eshelman Red Rose Fitting Feed (For Dairy Cows).....	12.0	13.6	4.0	3.5	7.0	6.9
☞ Eshelman Red Rose Hog Meal.....	18.0	19.6	3.5	4.7	8.0	8.9
Eshelman Red Rose Hog Meal.....	18.0	21.0	3.5	4.2	8.0	8.3
<b>Ewing Mill Co., Ewing, Indiana</b>						
☞ 50% Tankage.....	50.0	48.5	3.0	13.2	4.0	2.6
Robertson 16% Dairy Feed.....	16.0	15.8	3.5	3.7	15.0	9.4
<b>Evans Milling Co., Indianapolis, Indiana</b>						
☞ Emco Hominy Feed.....	10.0	10.0	7.0	6.2	6.0	5.1
<b>Exchange Milling Co., Sturgis, Kentucky</b>						
☞ Smith's Special 16% Hog Feed (Growing)	16.0	17.1	3.0	5.1	6.0	6.6
☞ Mixed Feed.....	11.0	11.6	2.5	5.5	4.5	5.8
<b>Famous Feed Mills, Nashville, Tennessee</b>						
Famous 16% Dairy Feed.....	16.0	21.8	3.5	3.2	15.0	14.2
☞ Golden Gain 16% Dairy Feed.....	16.0	18.0	3.0	4.4	15.0	17.0
Very much above guarantee in fiber. Excess oat hull feed. Misbranded.						
☞ Golden Gain 16% Dairy Feed.....	16.0	17.9	3.0	4.3	15.0	14.8
Above guarantee in salt.						
41% Cottonseed Meal.....	41.0	43.2	5.0	6.0	12.0	8.7
41% Cottonseed Meal.....	41.0	41.5	5.0	5.9	12.0	11.0
☞ 41% Cottonseed Meal.....	41.0	39.7	5.0	6.6	12.0	11.1
41% Cottonseed Meal.....	41.0	40.6	5.0	6.1	12.0	11.3
☞ 41% Cottonseed Meal.....	41.0	39.1	5.0	5.2	12.0	12.5
41% Cottonseed Meal.....	41.0	41.2	5.0	5.3	12.0	10.5
<b>Farmers Feed Store, Central City, Kentucky</b>						
Farmers Sweet 24% Dairy Feed.....	24.0	24.1	3.0	4.0	10.0	7.2
Farmers Sweet 24% Dairy Feed.....	24.0	26.4	3.0	3.6	10.0	8.1
Farmers 16% Dairy Feed.....	16.0	16.2	3.0	3.8	15.0	13.0
☞ Farmers 16% Dairy Feed.....	16.0	13.0	3.0	2.6	15.0	12.0
Very much below guarantee in protein. Misbranded.						
☞ Veribest 40% Hog Supplement.....	40.0	37.2	4.0	7.0	6.0	5.9
Very much below guarantee in protein.						
☞ Veribest Mixed Feed.....	15.5	13.0	4.0	3.8	7.0	7.8
Very much below guarantee in protein. Misbranded.						
<b>Farmers Feed Store, Lexington, Kentucky</b>						
Farmers Best 24% Dairy Feed.....	24.0	25.1	4.5	4.8	11.0	10.2
Farmers Best 20% Dairy Feed.....	20.0	21.3	5.0	5.2	15.0	10.0
<b>Farmers Gin Co., Decatur, Alabama</b>						
☞ Sco-Co 41% Cottonseed Meal.....	41.0	39.9	5.0	6.0	12.0	11.9
<b>Farmers &amp; Merchants Milling Co., Brooksville, Ky.</b>						
☞ Wheat Mixed Feed and Screenings.....	15.5	13.9	4.0	4.0	8.5	7.5
☞ Mixed Feed.....	15.0	12.9	4.3	3.3	8.15	7.1
Very much below guarantee in protein. Misbranded.						
<b>Farmers Milling Company, Somerset, Kentucky</b>						
Farmers XXX Stock Feed.....	12.75	14.8	2.5	2.7	15.0	12.0
Farmers XXX Stock Feed.....	12.75	13.9	2.5	3.4	15.0	11.7
<b>Farmers Supply Store, Campbellsville, Kentucky</b>						
Economy 16% Dairy Feed.....	16.0	15.8	3.5	3.7	9.0	8.0
Economy 17% Pig and Hog Feed.....	17.0	16.5	3.5	3.1	6.0	6.4

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Farmers Union Mill, Versailles, Kentucky</b>						
☞ Mixed Feed..... Very much below guarantee in protein. Misbranded.	14.35	11.6	4.5	4.6	8.5	8.1
☞ Mixed Feed.....	14.35	12.4	4.5	5.8	8.5	8.4
<b>Fedders &amp; Sons, J. H., Covington, Kentucky</b>						
☞ Ground Oats..... Very much above guarantee in fiber.	11.0	12.0	4.5	4.1	12.0	14.2
<b>Ferncliff Feed and Grain Co., Louisville, Kentucky</b>						
☞ Cracker Jack Horse and Mule Feed..... Adulterated with about 60,000 unground weed seed per 100 pounds.	10.0	9.6	3.0	3.7	6.0	4.9
Cracker Jack Horse and Mule Feed.....	10.0	9.5	3.0	3.6	6.0	5.5
Cracker Jack Horse and Mule Feed.....	10.0	9.5	3.0	3.6	6.0	5.5
Cracker Jack Screened Cracked Corn.....	8.0	8.5	3.5	3.5	3.0	2.0
☞ P. D. Q. 16% Dairy Feed..... Excess flax plant by-product. Misbranded.	16.0	18.5	3.5	2.3	15.0	15.6
Cracker Jack 24% Sweet Dairy Feed.....	24.0	24.3	4.0	3.9	8.0	7.9
<b>Field Packing Co., Owensboro, Kentucky</b>						
☞ Field's 60% Digester Tankage..... Very much below guarantee in fat. Misbranded.	60.0	60.7	12.0	9.6	3.0	1.8
☞ Field's 60% Digester Tankage..... Very much below guarantee in protein.	60.0	56.7	12.0	14.8	3.0	2.0
Field's 60% Digester Tankage.....	60.0	61.9	5.0	15.5	3.0	1.4
<b>Fischer Packing Co., Henry Louisville, Kentucky</b>						
Mellwood 60% Digester Tankage.....	60.0	63.5	5.0	10.5	2.5	2.2
Mellwood 60% Digester Tankage.....	60.0	60.6	5.0	9.5	2.5	2.0
Mellwood 60% Digester Tankage.....	60.0	63.3	5.0	9.5	2.5	2.5
☞ Mellwood 60% Digester Tankage..... Adulterated with stomach contents.	60.0	62.1	5.0	11.0	2.5	3.2
<b>Flag Pet Food Corp., New York, N. Y.</b>						
Flag Dog Feed—D-11.....	10.0	11.2	2.0	1.5	1.25	.90
<b>Font Hill Milling Co., Font Hill, Kentucky</b>						
☞ Font Hill's Best Wheat Mixed Feed..... Very much below guarantee in protein. Misbranded.	15.5	12.0	4.0	3.8	8.5	8.3
<b>Fountain Run Milling Co., Fountain Run, Kentucky</b>						
☞ Stock Feed..... Very much below guarantee in protein. Misbranded.	13.0	11.0	3.5	3.5	8.5	8.3
☞ Stock Feed..... Very much below guarantee in protein. Misbranded.	13.0	10.3	3.5	3.5	8.5	5.6
☞ Stock Feed..... Very much below guarantee in protein. Misbranded.	13.0	10.9	3.5	3.4	8.5	6.4
<b>Fruechtenicht Co., Henry, Louisville, Kentucky</b>						
Producer 17% Starting and Growing Mash	17.0	21.1	3.5	3.2	6.5	6.7
Blue Grass 24% Dairy Feed.....	24.0	24.9	4.0	5.0	12.0	11.0
☞ Blue Grass 24% Dairy Feed..... Very much below guarantee in protein. Misbranded.	24.0	20.9	4.0	3.4	12.0	10.1
☞ Producer 24% Dairy Feed..... Very much below guarantee in protein. Misbranded.	24.0	21.3	3.5	3.3	15.0	14.3
Producer 24% Dairy Feed.....	24.0	24.8	3.5	3.8	15.0	13.3
☞ Producer Special 16% Dairy Feed..... Very much above guarantee in fiber. Misbranded.	16.0	15.3	3.5	2.6	15.0	18.0

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Fruechtenicht Co., Henry, Louisville, Ky.—Cont.</b>						
☛ Producer Special 16% Dairy Feed..... Very much above guarantee in fiber. Misbranded.	16.0	15.9	3.5	3.5	15.0	18.2
☛ Producer Special 16% Dairy Feed.....	16.0	15.7	3.5	3.2	15.0	16.7
☛ Blue Grass 20% Pig and Sow Feed..... Very much above guarantee in fiber. Misbranded.	20.0	22.0	4.0	4.0	6.0	8.8
Blue Grass Horse and Mule Feed.....	9.5	9.4	3.0	3.7	14.0	5.5
Blue Grass 44% Solvent Extracted Soybean Oil Meal.....	44.0	45.1	.5	4.0	7.8	6.1
Blue Grass 44% Soybean Oil Meal.....	44.0	47.4	.5	.6	7.8	7.3
<b>Fuhrer-Ford Milling Co., Mt. Vernon, Indiana</b>						
☛ Wheat Gray Shorts and Screenings.....	16.0	15.1	4.0	4.5	6.0	6.1
<b>Garden Street Mill and Elevator Co., Louisville, Ky.</b>						
Garden 24% Dairy Feed.....	24.0	25.1	3.5	3.5	15.0	9.0
Garden Special 16% Dairy Feed.....	16.0	18.5	3.5	3.1	15.0	11.4
Garden Special 16% Dairy Feed.....	16.0	17.9	3.5	3.5	15.0	10.4
Garden Special 16% Dairy Feed.....	16.0	18.0	3.5	3.4	15.0	11.4
Garden Horse Feed.....	9.0	9.7	2.5	2.7	15.0	8.7
<b>Garrard Mills, Lancaster, Kentucky</b>						
☛ Big G 18% Sow and Pig Feed.....	18.0	17.8	3.5	2.9	6.0	7.2
☛ Glen Lily Mixed Feed..... Adulterated with screenings refuse.	12.5	13.2	3.5	4.4	6.0	7.8
☛ Glen Lily Mixed Feed..... Adulterated with screenings refuse.	12.5	10.6	3.5	2.8	6.0	5.3
<b>General Mills, Minneapolis, Minnesota</b>						
Larro 27% Turkey Finisher (Pelleted).....	27.0	28.9	3.5	3.2	8.0	7.3
Larro 32% Dairy Feed Supplement.....	32.0	35.1	3.0	4.5	11.0	8.3
Larro 20% Dairy Feed.....	20.0	21.2	3.0	3.3	12.0	10.4
Larro 17½% Hog Builder (Fattening Feed)	17.5	21.1	3.5	3.9	8.0	8.2
Sonny South Wheat Gray Shorts and Screenings.....	16.0	16.5	4.0	4.0	6.0	5.3
Sonny South Wheat Gray Shorts and Screenings.....	16.0	16.2	4.0	4.3	6.0	5.5
☛ Sonny South Wheat Gray Shorts and Screenings.....	16.0	15.0	4.0	3.7	6.0	5.5
Sonny South Wheat Gray Shorts and Screenings.....	16.0	15.7	4.0	4.1	6.0	5.5
Sonny South Wheat Gray Shorts and Screenings.....	16.0	15.8	4.0	4.0	6.0	5.5
Red Star Wheat Gray Shorts and Screenings.....	16.0	16.9	4.0	4.3	6.0	6.3
☛ Sonny South Wheat Mixed Feed and Screenings.....	15.5	14.4	4.0	3.7	8.5	8.7
Sonny South Wheat Mixed Feed and Screenings.....	15.5	15.9	4.0	5.2	8.5	8.3
<b>Germantown Milling Co., Germantown, Kentucky</b>						
☛ Wheat Mixed Feed and Screenings..... Very much below guarantee in protein. Misbranded.	15.5	11.7	4.0	3.2	8.5	6.7
☛ Wheat Mixed Feed and Screenings..... Very much below guarantee in protein. Misbranded.	15.5	11.9	4.0	3.4	8.5	7.2
☛ Wheat Mixed Feed and Screenings..... Very much below guarantee in protein. Misbranded.	15.5	11.7	4.0	3.2	8.5	7.4
Wheat Feed.....	11.0	11.7	3.0	3.1	7.0	6.8
<b>Goeke Sons, Edward F., Evansville, Indiana</b>						
☛ A P 16% All Purpose Poultry Mash.....	16.0	16.1	3.5	3.5	5.0	6.5
Goeke's 20% Pig and Hog Feed.....	20.0	23.9	4.0	5.9	7.0	6.0



TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Goldcamp Mill Co., The, Ironton, Ohio</b>						
Eggo 18% Laying Mash.....	18.0	19.1	3.5	3.6	8.0	8.5
☛ Eggo 18% Laying Mash.....	18.0	17.0	3.5	4.3	8.0	8.7
Adulterated with screenings. Misbranded.						
Egg O Scratch Feed.....	9.0	9.1	3.0	3.2	4.0	4.4
☛ Milco White 24% Dairy Feed.....	24.0	25.0	3.5	2.1	15.0	12.1
Cream Flour 24% Dairy Feed.....	24.0	26.1	3.5	3.6	10.0	8.4
☛ 17% Pig and Hog Grower.....	17.0	16.9	4.5	3.8	7.0	6.6
☛ Namico Wheat Middlings with Ground Screenings.....	16.0	14.3	3.5	4.0	7.5	7.5
Farm Feed.....	14.0	14.6	4.5	4.4	8.5	9.0
<b>Grayson Milling Co., Grayson, Kentucky</b>						
Corn By-Product Feed.....	10.0	10.2	6.0	6.8	6.0	5.0
<b>Gwinn Bros. &amp; Co., Huntington, West Virginia</b>						
☛ Gwinn's Early Lay 20% Laying Mash.....	20.0	22.8	4.0	3.0	8.0	7.8
☛ Gwinn's Merit 18% Laying Mash.....	18.0	19.7	3.0	3.8	8.0	10.2
Very much above guarantee in fiber. Misbranded.						
Banner 24% Dairy Feed.....	24.0	25.1	3.0	3.5	14.0	10.8
Gwinn's Pioneer 16% Dairy Feed.....	16.0	16.2	3.0	3.0	15.0	13.2
Gwinn's Pioneer 16% Dairy Feed.....	16.0	17.0	3.0	3.5	15.0	13.4
☛ Gwinn's Sugar Jack 16% Dairy Feed.....	16.0	16.1	3.0	2.2	12.0	15.5
Very much above guarantee in fiber. Above guarantee in salt. Misbranded.						
☛ Gwinn's Merit 16% Dairy Feed.....	16.0	18.3	3.0	2.6	12.0	14.2
Very much above guarantee in fiber. Misbranded.						
☛ Gwinn's Merit 16% Dairy Feed.....	16.0	16.8	3.0	2.0	12.0	14.5
Very much above guarantee in fiber. Misbranded.						
☛ Gwinn's Merit 16% Dairy Feed.....	16.0	16.6	3.0	2.1	12.0	15.1
Very much above guarantee in fiber. Misbranded.						
☛ Gwinn's 18% Hog Fattening Feed.....	18.0	19.6	3.0	4.5	8.0	10.5
Very much above guarantee in fiber. Misbranded.						
☛ Gwinn's 15% Hog Feed (Fattening).....	15.0	15.9	3.0	4.0	8.0	8.9
Gwinn's Wheat Feed and Screenings.....	14.0	14.2	4.0	3.8	7.5	7.2
<b>Hales and Hunter Co., Chicago, Illinois</b>						
Red Comb 13% Crate Fattener.....	13.0	17.2	4.0	4.0	7.0	5.9
Pioneer 18% Dairy Feed.....	18.0	22.6	3.0	5.5	9.0	7.0
Pioneer 18% Dairy Feed.....	18.0	19.2	3.0	3.8	9.0	7.9
Pioneer 21% Sow and Pig Feed.....	21.0	22.3	3.25	4.1	7.0	7.2
Pioneer 15% Hog Fattener.....	15.0	18.1	3.25	4.8	7.0	7.4
Pioneer 15% Hog Fattener.....	15.0	17.7	3.5	5.1	7.0	7.5
<b>Hancock and Franklin Mills, Louisville, Kentucky</b>						
☛ Arrow 24% Dairy Feed.....	24.0	21.2	4.0	3.7	12.0	10.9
Very much below guarantee in protein. Misbranded.						
☛ Arrow 16% Dairy Feed.....	16.0	17.3	3.5	3.0	15.0	16.7
<b>Hardin County Mills, Elizabethtown, Kentucky</b>						
Emerson's 20% Chick Starter.....	20.0	21.3	2.5	3.7	7.0	5.8
<b>Hardin Milling Company, Hardin, Kentucky</b>						
Marco 24% Dairy Feed.....	24.0	23.6	3.5	3.9	12.0	8.7
<b>Harrison &amp; Son, R. L., Bagdad, Kentucky</b>						
Harrison's Nat-Ur-Way 20% Laying Mash.....	20.0	20.5	3.5	4.2	7.0	6.0
☛ Corn By-Product Feed.....	10.0	9.0	6.5	6.2	7.0	7.3
<b>Harsha Milling Company, The P. H., Portsmouth, Ohio</b>						
Harsha's Producto 24% Dairy Feed.....	24.0	23.6	3.5	3.2	12.0	7.4
☛ Harsha's Producto 16% Dairy Feed.....	16.0	16.4	3.5	2.3	14.0	6.0
Harsha's Producto 18% Pig and Hog Grower.....	18.0	18.5	4.0	4.4	7.0	6.2
☛ Harsha's Producto 14% Porkmaker (Fattening).....	14.0	16.3	3.5	4.1	7.0	8.0
☛ Harsha's White Wheat Feed.....	14.0	13.1	2.0	3.5	5.0	4.3

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Haycraft &amp; Son, G. M., Leitchfield, Kentucky</b>						
Haycraft's 17% Growing Mash.....	17.0	18.1	2.5	3.6	7.0	5.4
Haycraft's 18% Laying Mash.....	18.0	17.9	2.5	3.4	7.0	5.4
Haycraft's 20% Dairy Feed.....	20.0	21.1	3.0	3.0	9.0	7.7
<b>Haydon Mill and Grain Co., Springfield, Kentucky</b>						
☞ Magic 24% Sweet Dairy Feed.....	24.0	21.1	4.0	2.5	12.0	12.2
Very much below guarantee in protein. Misbranded.						
☞ Magic 16½% Sweet Dairy Feed.....	16.5	17.8	3.0	2.1	15.0	11.9
☞ Magic Mixed Feed.....	15.25	11.4	4.2	3.1	9.75	6.1
Very much below guarantee in protein. Misbranded.						
☞ Magic Mixed Feed.....	15.25	11.1	4.2	4.0	9.75	8.0
Very much below guarantee in protein. Misbranded.						
<b>Dr. Heinz Co., Washington C. H., Ohio</b>						
Heinz Nu-Way 20% Laying Mash.....	20.0	20.8	3.5	3.9	7.0	7.3
☞ Heinz Nu-Way 20% Dairy Feed.....	20.0	18.2	4.0	4.0	9.0	9.7
Heinz Nu-Way 16% Dairy Feed.....	16.0	17.4	3.5	4.1	12.0	9.0
☞ Heinz Nu-Way 15% Hog Fattening Ration Adulterated with barley screenings.	15.0	17.1	3.5	3.6	7.0	7.5
<b>Hermitage Feed Mills, Nashville, Tennessee</b>						
Mak-Em Lay 20% Egg Mash.....	20.0	25.5	2.5	4.2	8.0	7.8
Piney Woods 9% Horse and Mule Feed.....	9.0	12.7	2.5	3.6	15.0	8.7
<b>Hickman County Feed Mills, Clinton, Kentucky</b>						
☞ Standard 16% Dairy Feed.....	16.0	14.8	3.0	2.2	15.0	12.1
☞ Standard 16% Pig and Hog Feed.....	16.0	15.2	5.0	4.0	6.0	4.5
<b>Hill Packing Company, Topeka, Kansas</b>						
Hill's Dog Food.....	12.0	13.0	2.0	3.0	1.0	.6
<b>Hodgenville Roller Mills, Hodgenville, Kentucky</b>						
☞ Lincoln Mixed Feed.....	14.5	10.5	4.0	3.2	8.0	7.5
Very much below guarantee in protein. Misbranded.						
☞ Lincoln Mixed Feed.....	14.5	10.1	4.0	3.6	8.0	7.1
Very much below guarantee in protein. Misbranded.						
<b>Home Milling Company, Greenville, Kentucky</b>						
☞ Happy Home 24% Dairy Feed.....	24.0	23.8	4.0	3.3	8.0	7.3
☞ Happy Home 16% Sweet Dairy Feed.....	16.0	14.5	3.5	3.0	15.0	11.4
Happy Home 16% Sweet Dairy Feed.....	16.0	15.8	3.5	3.1	15.0	11.7
☞ Happy Home 16% Sweet Dairy Feed.....	16.0	14.2	3.5	2.4	15.0	11.0
☞ Special 16% Dairy Feed.....	16.0	16.7	3.5	2.6	15.0	10.5
☞ Happy Home Hog Ration.....	16.0	16.8	3.0	5.6	6.0	6.4
Adulterated with screenings						
☞ Happy Home Hog Ration.....	16.0	13.8	3.0	3.8	6.0	5.5
Very much below guarantee in protein. Misbranded.						
☞ Happy Home Mixed Feed.....	14.5	11.5	4.4	3.3	7.25	5.9
Very much below guarantee in protein. Misbranded.						
☞ Champion Mixed Feed.....	11.5	10.9	3.5	3.5	5.9	6.0
<b>Home Mill and Grain Co., Mt. Vernon, Indiana</b>						
☞ Winter Wheat Gray Shorts with Screenings.....	16.0	14.4	4.0	4.3	6.0	8.8
Very much above guarantee in fiber. Misbranded.						
Winter Wheat Gray Shorts and Screenings (Low Grade Wheat).....	14.0	14.5	4.0	3.6	8.0	8.1
<b>Home Oil Mill, Decatur, Alabama</b>						
41% Cottonseed Meal.....	41.0	40.5	5.0	5.0	12.0	12.4
41% Cottonseed Meal.....	41.0	41.3	5.0	5.9	12.0	10.8

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Hopkinsville Milling Co., Hopkinsville, Kentucky</b>						
Life Cycle 18% Poultry Mash.....	18.0	18.5	3.5	3.8	7.0	7.3
☛ Sunflower 26% Dairy Feed.....	26.0	26.6	4.0	3.7	10.0	10.6
☛ Sunflower 40% Hog Supplement.....	40.0	39.1	4.5	8.3	8.0	7.0
☛ Sunflower 40% Hog Supplement.....	40.0	41.1	4.5	6.8	8.0	7.4
☛ Sunflower Wheat Gray Shorts (Low Protein) and Screenings.....	13.0	13.3	4.0	3.5	6.0	6.9
☛ Sunflower Wheat Gray Shorts (Low Protein) and Screenings.....	13.0	14.0	4.0	3.9	6.0	7.4
<b>Hopwood, Frank, Clay, Kentucky</b>						
Hoppys 18% Poultry Feed.....	18.0	17.6	3.5	4.7	7.0	7.3
<b>Horse Cave Mills, Horse Cave, Kentucky</b>						
☛ Superior Mixed Feed.....	12.0	10.2	4.0	3.0	8.5	6.0
<b>Igleheart Bros., Clarksville, Tennessee</b>						
Challenger 18% Dairy Feed.....	18.0	17.6	3.5	3.6	14.0	12.0
☛ Purple Top 16% Dairy Feed.....	16.0	15.7	3.5	1.8	15.0	16.4
☛ Purple Top 16% Dairy Feed.....	16.0	16.8	3.5	2.9	15.0	13.5
☛ Purple Top 16% Dairy Feed.....	16.0	15.0	3.5	2.7	15.0	14.5
☛ Challenger 20% Pig Starter and Sow Ration.....	20.0	20.3	4.0	3.9	6.0	7.1
☛ Winter Wheat Gray Shorts and Screenings	16.0	14.3	3.5	4.7	6.0	6.0
Winter Wheat Gray Shorts and Screenings	14.0	14.2	3.5	4.6	6.0	6.4
Winter Wheat Gray Shorts and Screenings (Low Protein).....	14.0	14.2	3.5	4.3	6.0	5.8
☛ Winter Wheat Gray Shorts and Screenings Very much below guarantee in protein. Misbranded.	16.0	13.8	3.5	4.0	6.0	6.3
<b>Illinois Cereal Mills, Paris, Illinois</b>						
Paris Hominy Feed.....	10.0	11.5	7.0	7.1	5.0	4.6
Paris Hominy Feed.....	10.0	11.7	7.0	7.5	5.0	4.8
☛ Paris Hominy Feed.....	10.0	9.9	7.0	4.6	5.0	3.4
Very much below guarantee in fat. Misbranded.						
Paris Hominy Feed.....	10.0	11.5	7.0	6.5	5.0	3.8
<b>International Milling Co., Minneapolis, Minnesota</b>						
☛ Imco Wheat Gray Shorts with Screenings Adulterated with screenings refuse.	16.0	16.4	4.0	4.1	6.0	5.7
<b>Ismert-Hincke Milling Co., Kansas City, Missouri</b>						
I-H Wheat Gray Shorts and Screenings....	16.0	17.3	4.0	4.2	6.0	6.4
<b>Jewell &amp; Son, C. L., Louisville, Kentucky</b>						
41% Cottonseed Meal.....	41.0	40.6	5.0	6.3	12.0	12.0
<b>Jones &amp; Sons, T. A., Paducah, Kentucky</b>						
Jones' 48% Tankage.....	48.0	51.2	14.0	16.8	4.0	4.0
<b>Kasco Mills, Toledo, Ohio</b>						
Kasco Egg Producer Laying Mash.....	20.0	22.1	3.0	4.6	7.5	6.8
☛ Apex 20% Egg Mash.....	20.0	21.4	2.5	3.6	8.0	8.9
☛ Apex 20% Egg Mash.....	20.0	21.1	2.5	4.2	8.0	9.0
Kasco Mormilk Dairy Feed.....	24.0	25.6	3.5	3.1	10.0	9.9
☛ Apex White 24% Dairy Feed.....	24.0	24.7	3.5	2.4	15.0	10.4
☛ Apex 24% Dairy Feed.....	24.0	28.0	3.0	2.9	12.0	10.5
Excess Urea.						
☛ Apex White 24% Dairy Feed.....	24.0	27.2	3.5	3.0	15.0	12.5
Adulterated with screenings refuse.						
Kasco Beatsall Milk Grains 20% Dairy Feed.....	20.0	21.0	3.5	4.1	10.0	9.0
Kasco 16% Sweet Dairy Feed.....	16.0	17.4	3.0	3.5	12.0	10.8
Apex 16% Dairy Feed.....	16.0	20.0	3.0	3.6	15.0	13.2
☛ Apex 16% Dairy Feed.....	16.0	18.1	3.0	3.3	15.0	14.4
Excess screenings refuse.						
☛ Apex 16% Dairy Feed.....	16.0	18.5	3.0	3.2	15.0	13.9
Excess screenings refuse.						

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Kasco Mills, Toledo, Ohio—Cont.</b>						
Apex 16% Dairy Feed	16.0	20.6	3.0	3.1	15.0	12.1
Excess Urea.						
Apex 16% Dairy Feed	16.0	17.6	3.0	3.2	15.0	13.0
Kasco 40% Hog Supplement	40.0	42.4	3.5	5.6	7.0	6.2
Apex Hog Ration	16.0	16.0	3.0	6.0	8.0	8.0
Apex Hog Ration	16.0	16.4	3.0	5.6	8.0	8.5
Kasco 65% Grain Horse Feed	10.0	10.0	2.0	2.4	15.0	14.3
<b>Kansas Flour Mills Co., Kansas City, Missouri</b>						
Wheat Gray Shorts and Screenings	16.0	17.8	4.0	4.0	6.0	6.3
<b>Kansas Milling Co., The, Wichita, Kansas</b>						
Wheat Feed and Screenings Adulterated with screenings refuse.	16.0	17.3	3.5	3.9	6.0	6.8
<b>Keco Milling Company, McKenzie, Tennessee</b>						
41% Cottonseed Meal	41.0	40.4	5.0	6.8	12.0	11.6
<b>Kelly Milling Co., The William, Hutchinson, Kansas</b>						
Wheat Gray Shorts	16.0	17.4	4.0	4.0	5.5	5.2
Wheat Gray Shorts Very much above guarantee in fiber.	16.0	17.7	4.0	4.0	5.5	8.4
Wheat Mixed Feed and Screenings	16.0	17.3	4.0	4.2	8.5	8.0
<b>Kellogg &amp; Sons, Inc., Spencer, Buffalo, N. Y.</b>						
Kellogg's 34% Linseed Meal	34.0	35.9	3.5	4.0	9.0	8.5
<b>Kentucky Animal By-Products Co., Russellville, Ky.</b>						
Blue Ribbon 50% Tankage with Bone	50.0	48.8	10.0	15.1	3.0	2.4
Blue Ribbon 50% Tankage with Bone	50.0	56.0	10.0	13.4	3.0	1.8
<b>Kentucky Chemical Industries, Cincinnati, Ohio</b>						
Proviso 20% Egg Mash	20.0	22.0	3.0	4.1	7.0	7.4
Proviso Big V 18% Egg Mash	18.0	19.0	3.0	3.9	8.0	8.2
Proviso 20% Dairy Feed	20.0	22.8	3.5	2.8	10.0	9.6
Big Bargain 16% Dairy Feed	16.0	19.6	3.5	3.5	12.0	11.9
Big V 16% Dairy Feed	16.0	16.2	3.5	2.2	15.0	14.8
Big V 16% Dairy Feed	16.0	15.5	3.5	2.7	15.0	15.4
Proviso 18% Sow and Pig Feed	18.0	19.3	3.5	5.4	6.0	6.9
K-C 60% Digester Tankage	60.0	63.3	5.4	4.6	3.0	2.8
<b>Kershaw Oil Mill, Kershaw, South Carolina</b>						
Palmetto 41% Cottonseed Meal	41.0	42.2	5.0	5.4	12.0	11.3
Palmetto 41% Cottonseed Meal	41.0	40.6	5.0	4.5	12.0	12.0
Palmetto 41% Cottonseed Meal	41.0	42.6	5.0	5.5	12.0	10.7
<b>Kibler Milling Co., F. W., Mt. Orab, Ohio</b>						
Kibler 34% Dairy Supplement	34.0	36.3	3.0	4.3	12.0	9.4
Kibler 24% Dairy Feed	24.0	26.8	3.5	5.0	12.0	8.8
Star 16% Dairy Feed	16.0	16.8	3.5	4.0	15.0	14.3
Kibler 40% Hog Supplement	40.0	42.7	3.0	3.3	7.0	6.7
Kibler 20% Egg Mash	20.0	20.7	3.5	4.9	7.0	6.8
<b>Kittrell Grain and Feed Company, Nashville, Tennessee</b>						
O.K. 16% Dairy Feed	16.0	17.4	3.5	4.5	15.0	14.6
O.K. Horse and Mule Feed	9.0	8.7	2.5	3.2	15.0	13.7
O.K. Horse and Mule Feed	9.0	8.8	2.5	3.1	15.0	14.0
<b>The Kroger Co., Cincinnati, Ohio</b>						
Kroger 20% Dairy Feed	20.0	23.4	3.5	3.5	12.0	10.0
Kroger 20% Dairy Feed	20.0	26.9	3.5	2.9	12.0	9.7
Kroger 16% Dairy Feed	16.0	21.0	3.5	3.2	15.0	11.8
<b>Lake County Oil Mill, Tiptonville, Tennessee</b>						
41% Cottonseed Meal	41.0	42.9	5.5	5.0	10.0	8.6
41% Cottonseed Meal	41.0	41.2	5.5	5.3	10.0	9.6
41% Cottonseed Meal	41.0	38.6	5.5	6.6	10.0	10.5
41% Cottonseed Meal	41.0	40.0	5.5	5.6	10.0	10.3

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Lewisburg Roller Mills, Lewisburg, Kentucky</b>						
Coon Range 18% Laying Mash	18.0	16.2	2.5	3.5	8.0	7.5
Coon Range Pork Maker	14.0	12.8	2.5	3.2	8.0	5.4
<b>Lewisport Mill Co., Lewisport, Kentucky</b>						
Farmers Choice Mixed Feed Very much below guarantee in protein. Misbranded.	14.0	11.4	4.25	3.8	9.0	7.6
Farmers Choice Mixed Feed Very much below guarantee in protein. Misbranded.	14.0	11.3	4.25	4.3	9.0	7.4
<b>Lexington Roller Mills, Lexington, Kentucky</b>						
Kentucky Queen 20% Egg Mash	20.0	20.3	4.0	4.3	8.0	6.6
Thoroughbred 24% Dairy Feed	24.0	27.0	3.0	4.0	8.0	7.4
Thoroughbred 24% Dairy Feed	24.0	26.0	3.0	3.5	8.0	8.6
Thoroughbred 16% Dairy Feed	16.0	17.5	3.0	3.7	13.0	11.2
Thoroughbred 16% Dairy Feed	16.0	18.2	3.0	2.9	13.0	10.9
Thoroughbred 16% Pig and Hog Ration	16.0	17.3	4.0	4.5	6.0	6.4
Bossie Stock Feed	13.0	13.6	3.0	4.0	11.0	6.4
<b>Lofton's Mill, Providence, Kentucky</b>						
Lofton's Special 16% Dairy Feed	16.0	17.7	3.5	4.6	13.0	10.9
Lofton's Mixed Feed Very much below guarantee in protein.	14.5	12.1	4.0	4.1	8.0	7.3
Lofton's Hominy Feed	10.0	8.2	7.0	6.1	6.0	4.0
<b>Loretto Mill Co., Loretto, Kentucky</b>						
Wheat Mixed Feed and Screenings Very much below guarantee in protein and fat. Misbranded.	15.0	10.5	4.0	2.6	8.5	7.1
Wheat Mixed Feed and Screenings Very much below guarantee in protein and fat. Misbranded.	15.5	11.3	4.0	2.7	8.5	5.5
<b>The Loudonville Milling Co., Loudonville, Ohio</b>						
Le Grande Low Protein Soft Winter Wheat Brown Middlings with Screenings	13.5	13.3	4.0	3.7	7.0	7.1
<b>Louisa Supply Co., Louisa, Kentucky</b>						
Louisa Standard Feed	12.5	11.4	4.5	6.8	7.5	4.5
Louisa Standard Feed	12.5	11.2	4.5	5.9	7.5	5.3
Louisa Screened Cracked Corn	9.0	8.5	4.0	4.1	2.5	2.3
<b>Louisville Soya Products Corp., Louisville, Kentucky</b>						
Lou Soy 44% Solvent Soybean Oil Meal	44.0	48.4	.5	1.0	7.0	5.6
Lou Soy 44% Solvent Soybean Oil Meal	44.0	47.8	.5	3.1	7.0	6.2
<b>Lovitt &amp; Co., L. B., Memphis, Tennessee</b>						
Lovitt 41% Cottonseed Meal	41.0	39.2	5.0	5.5	12.0	12.8
<b>Lynn Grove Milling Co., Lynn Grove, Kentucky</b>						
Wheat Bran and Shorts Very much below guarantee in protein. Misbranded.	16.5	10.7	4.5	3.2	7.5	7.5
<b>McMillen Feed Mills, Fort Wayne, Indiana</b>						
Master Mix M-V 33% Protein and Mineral Chick Supplement	33.0	35.4	1.5	3.0	9.0	7.9
Calcium	2.5	2.68			Phosphorous .85	1.05
Iodine	.002				Salt 1.8	1.3
Master Mix 34% Protein and Mineral Laying Mash Supplement	34.0	35.5	1.5	2.1	9.0	9.5
Calcium	2.5	2.64			Phosphorous .85	.97
Iodine	.002				Salt 1.8	1.55
Master Mix M-V 20% Broiler Mash	20.0	22.0	2.5	3.6	7.0	6.6
Master Mix M-V 20% Broiler Mash	20.0	22.1	2.5	4.1	7.0	7.4
Master Mix 20% Dairy Feed	20.0	24.2	3.0	2.6	9.0	7.6
Master Mix Fitting Ration	13.0	15.8	3.0	3.0	10.0	9.0
Master Mix 40% Hog Supplement	40.0	40.2	2.0	3.0	8.0	6.4
Calcium	1.5	2.8			Phosphorous .65	.97
Iodine	.0015				Salt 1.20	1.14
Master Mix M-V 35% Sow and Pig Supplement	35.0	37.6	1.5	3.2	9.0	8.4

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>McCarley &amp; Richardson, Russellville, Kentucky</b>						
☞ Ground Wheat..... Very much below guarantee in protein. Misbranded.	13.0	9.3	2.0	2.1	2.25	4.2 ☞
☞ Mixed Feed.....	14.5	13.7	4.0	2.8	7.5	5.4 ☞
<b>McDonald &amp; Sons, J. A., Rogersville, Tennessee</b>						
☞ Standard Mixed Feed.....	13.0	11.9	4.0	4.4	9.0	7.2 ☞
<b>McGinnis Co., The, Huntington, West Virginia</b>						
Reliable Scratch Grains.....	9.0	8.8	3.0	2.6	4.0	3.1
<b>Marianna Sales Co., Memphis, Tennessee</b>						
White Mule 41% Cottonseed Meal.....	41.0	41.4	5.0	5.6	12.0	10.3
<b>Markin Feed Co., Ironton, Ohio</b>						
☞ Standard Feed and Screenings.....	15.0	14.2	4.0	4.4	9.0	6.4 ☞
Standard Feed and Screenings.....	15.0	17.5	4.0	4.4	9.0	2.5
☞ Standard Feed and Screenings..... Very much below guarantee in protein and fat. Misbranded.	15.0	11.3	4.0	1.3	9.0	.4 ☞
<b>Master Feed and Seed Co., Louisville, Kentucky</b>						
18% Dairy Feed.....	18.0	19.5	3.0	3.2	15.0	10.2
☞ Gilt Edge 17% Dairy Feed.....	17.0	19.5	3.0	2.2	15.0	15.3 ☞
☞ Gilt Edge 17% Dairy Feed.....	17.0	19.2	3.0	1.5	15.0	15.6 ☞
☞ Gilt Edge 17% Dairy Feed.....	17.0	17.8	3.0	1.8	15.0	14.1 ☞
☞ Gilt Edge 17% Dairy Feed.....	17.0	18.7	3.0	2.1	15.0	11.8 ☞
☞ Gilt Edge 16% Dairy Feed.....	16.0	16.7	3.0	2.2	15.0	15.2 ☞
☞ Gilt Edge 16% Dairy Feed.....	16.0	18.0	3.0	2.3	15.0	13.0 ☞
<b>Mayfield Milling Co., Mayfield, Kentucky</b>						
☞ Big Chief 18% Laying Mash.....	18.0	19.0	5.0	4.7	6.0	6.6 ☞
☞ Jersey Cream 16% Dairy Feed.....	16.0	16.9	3.5	2.7	12.0	11.3 ☞
<b>Mayfield Sweet Feed Mill, Mayfield, Kentucky</b>						
State Leader 18% Hog Fattener.....	18.0	19.7	3.5	4.6	7.0	6.7
☞ 55% Tankage.....	55.0	57.4	9.0	11.7	3.0	4.2 ☞
<b>Mayflower Mills, Fort Wayne, Indiana</b>						
Mayflower Low Protein Wheat Brown Middlings and Screenings.....	14.0	14.7	4.0	4.7	7.5	6.1
<b>Meeks Feed Mills, Brookport, Illinois</b>						
☞ Mix Rite 20% Laying Mash.....	20.0	20.1	3.5	5.5	7.0	8.5 ☞
☞ Mix Rite 16% Dairy Feed.....	16.0	14.2	3.5	2.7	15.0	13.3 ☞
Mix Rite 16% Sweet Dairy Feed.....	16.0	18.3	3.5	3.0	15.0	13.2
☞ Mix Rite 16% Hog Fattener..... Very much above guarantee in fiber. Misbranded.	16.0	18.5	3.5	5.2	6.0	8.1 ☞
<b>Mennel Milling Co., The, Toledo, Ohio</b>						
☞ Memo Wheat Gray Middlings and Screenings.....	16.0	16.0	4.0	4.1	6.0	7.1 ☞
<b>Metzger Bros., Paducah, Kentucky</b>						
☞ Tankage with Bone..... Very much below guarantee in protein. Misbranded.	49.0	45.8	10.0	12.2	2.0	1.6 ☞
<b>Middlesboro Milling Co., Middlesboro, Kentucky</b>						
☞ Hard to Beat Feed.....	13.0	12.4	3.5	4.9	8.0	5.2 ☞
Higrade Feed.....	18.0	18.3	4.0	5.0	8.5	6.9
<b>Midland Feed Mills, N. Kansas City, Missouri</b>						
Town Crier Chick Starter.....	20.0	21.2	3.0	3.8	6.5	5.8
Hi-Friend 24% Dairy.....	24.0	25.8	3.0	3.0	15.0	12.1

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Model Mills, Georgetown, Kentucky</b>						
Best Mixed Feed.....	15.5	13.9	4.5	4.6	8.5	8.5
Best Mixed Feed.....	15.5	14.0	4.5	4.1	8.5	8.0
<b>Monarch Milling Co., Mt. Sterling, Kentucky</b>						
Mixed Feed.....	14.0	12.2	4.0	3.0	8.0	6.4
Ground Wheat.....	13.0	10.5	2.0	1.7	3.0	3.3
Very much below guarantee in protein. Misbranded.						
<b>Morgan &amp; Co., Hazel, Kentucky</b>						
Morgan's Special 16% Dairy Feed.....	16.0	16.3	3.0	3.3	8.5	6.2
Morgan's Special 14½% Hog Fattener.....	14.5	15.9	3.5	2.7	6.0	4.6
<b>Moorman's Manufacturing Co., Quincy, Illinois</b>						
Moorman's 40% Protein and Mineral Cow Supplement (with irradiated yeast).....	40.0	40.4	2.5	2.9	7.5	7.3
Calcium .....	4.0	5.04	Phosphorous		1.5	1.63
Iodine .....	.002		Salt		0.0	.53
Moorman's Special Hog Minerals (with irradiated yeast).....						
Calcium .....	16.0	20.1	Phosphorous		3.0	3.0
Iodine .....	.017		Salt		9.5	9.7
<b>Morristown Milling Co., Morristown, Tennessee</b>						
Dixie Cream Hog Feed.....	14.0	14.6	2.5	6.4	8.0	5.6
Dixie Cream Mixed Feed.....	12.0	12.2	4.0	6.4	8.5	7.6
<b>Mountain City Mill Co., Chattanooga, Tennessee</b>						
Blue Cow 16% Dairy Feed.....	16.0	19.3	3.0	4.2	12.0	6.7
<b>Munfordville Milling Co., Munfordville, Kentucky</b>						
Purity 18% Laying Mash.....	18.0	20.0	3.5	3.5	7.0	6.5
Purity 18% Pig and Sow Ration.....	18.0	18.7	4.0	3.1	6.0	6.0
Mixed Feed.....	14.25	10.9	4.5	2.9	7.5	7.7
Very much below guarantee in protein and fat. Misbranded.						
Mixed Feed.....	11.0	10.7	3.0	3.1	7.5	7.8
<b>Murphy Grain and Milling Co., Owensboro, Kentucky</b>						
Airolite Scratch Grains.....	9.0	8.9	3.0	3.2	3.5	2.4
Airolite 23% Pig and Hog Feed.....	23.0	23.1	3.5	6.7	7.0	5.0
<b>Murphy Products Co., Burlington, Wisconsin</b>						
Murphy's Vig-O-Ray 32% Protein and Mineral Poultry Supplement.....	32.0	35.3	3.7	3.4	9.0	8.2
Calcium .....	4.0	4.7	Phosphorous		2.0	2.2
Iodine .....	.004		Salt		3.0	3.32
Murphy's Cut-Cost 30% Protein and Mineral Supplement.....	30.0	33.8	3.0	2.8	9.0	8.1
Calcium .....	4.0	6.1	Phosphorous		2.0	2.9
Iodine .....	.008		Salt		5.0	5.79
Murphy's 21% Protein and Mineral Calf Meal.....	21.0	24.6	3.0	3.3	9.0	8.6
Calcium .....	2.0	2.9	Phosphorous		1.0	1.1
Iodine .....	.001		Salt		1.0	1.18
<b>Murray Milling Co., Murray, Kentucky</b>						
Ground Wheat.....	12.5	9.2	2.0	1.9	2.0	4.2
Very much below guarantee in protein. Misbranded.						

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Myers and Clark, Ashland, Kentucky</b>						
Ideal 18% All Mash Starter and Grower.....	18.0	18.7	3.0	4.8	7.0	6.1
Ideal 20% Laying Mash.....	20.0	21.8	3.0	3.2	8.0	6.5
☞ Ideal 24% Dairy Feed.....	24.0	26.8	3.0	2.4	14.0	11.4
Ideal 20% Dairy Feed.....	20.0	20.7	3.0	2.6	14.0	12.0
Special 16% Dairy Feed.....	16.0	16.1	3.5	4.4	15.0	12.2
Ideal 17% Hog and Pig Feed.....	17.0	17.5	3.0	5.2	8.0	6.8
Ideal 95% Grain Horse and Mule Feed.....	10.0	10.4	3.0	3.3	10.0	6.1
☞ Ideal Stock Feed.....	12.5	11.9	5.0	5.4	8.0	5.5
<b>Nahm &amp; Company, Sam, Bowling Green, Kentucky</b>						
☞ 41% Cottonseed Meal.....	41.0	37.5	5.0	5.3	12.0	13.0
Very much below guarantee in protein. Misbranded.						
<b>Nashville Cotton Oil Mill Corp., Nashville, Tennessee</b>						
41% Soybean Oil Meal.....	41.0	44.7	5.0	5.3	7.0	6.5
<b>National Milling Branch, National Biscuit Co., Toledo, Ohio</b>						
☞ Namico Wheat Gray Middlings and Screenings.....	16.0	14.1	4.0	4.5	6.0	7.2
☞ Namico Wheat Gray Middlings and Screenings.....	16.0	14.2	4.0	4.1	6.0	6.4
☞ Namico Wheat Gray Middlings and Screenings.....	16.0	14.3	4.0	3.6	6.0	6.6
<b>National Oats Company, East St. Louis, Illinois</b>						
Shamrock 16% Poultry Ration (All Purpose All Mash).....	16.0	15.9	3.0	4.4	8.0	8.6
Corno 16% Dairy Feed.....	16.0	16.5	3.5	3.3	15.0	12.8
Corno 16% Dairy Feed.....	16.0	19.8	3.5	3.2	15.0	13.7
Corno 40% Hog Supplement.....	40.0	40.9	3.5	5.0	7.0	6.5
☞ Corno Sweet Horse Feed.....	9.5	10.3	2.5	2.2	15.0	18.1
Very much above guarantee in fiber. Misbranded. Excess oat hull feed.						
Corno Premium Horse and Mule Feed.....	9.5	11.0	2.5	3.6	15.0	9.2
<b>Nebraska Consolidated Mills Co., Omaha, Nebraska</b>						
Nebco Wheat Gray Middlings with Screenings.....	16.0	17.3	4.0	4.3	6.0	5.3
<b>Nunn &amp; Sons Milling Co., Chas., Evansville, Indiana</b>						
Nunn-Better 20% Pig and Shoat Ration.....	20.0	20.0	3.5	4.6	6.0	5.0
☞ Nunn-Better Wheat Gray Shorts and Screenings.....	16.0	12.4	4.0	3.0	6.0	5.1
Very much below guarantee in protein. Misbranded.						
☞ Nunn-Better Wheat Gray Shorts and Screenings.....	16.0	12.8	4.0	3.4	6.0	5.8
Very much below guarantee in protein.						
<b>Odon Milling Company, The, Odon, Indiana</b>						
Magic 18% Egg Mash.....	18.0	19.6	3.5	4.1	7.5	7.6
☞ Magic 24% Dairy Feed.....	24.0	24.2	3.5	1.4	10.0	9.6
☞ Magic 24% Dairy Feed.....	24.0	23.4	3.5	3.0	10.0	9.6
☞ Magic 24% Dairy Feed.....	24.0	25.1	3.5	1.8	10.0	11.5
☞ Magic 16% Dairy Feed.....	16.0	16.3	3.5	2.6	12.0	8.5
☞ Magic Yellow Tag 16% Dairy Feed.....	16.0	15.1	3.0	2.0	15.0	9.0
☞ Magic 18% Pig and Sow Ration.....	18.0	18.4	3.5	4.8	6.0	7.9
☞ Magic 18% Pig and Sow Ration.....	18.0	19.4	3.5	4.6	6.0	6.7
<b>Ohio Valley Soybean Cooperative, Henderson, Kentucky</b>						
Cardinal 41% Soybean Oil Meal.....	41.0	44.2	4.0	9.0	7.0	5.7
Cardinal 41% Soybean Oil Meal.....	41.0	43.5	4.0	7.6	7.0	6.1
Cardinal 41% Soybean Oil Meal.....	41.0	44.3	4.0	7.7	7.0	6.1



TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>O. K. Mills, Louisville, Kentucky</b>						
☞ Balco 16% Dairy Feed	16.0	18.3	3.5	2.7	15.0	14.7
☞ Balco 16% Dairy Feed	16.0	21.5	3.5	2.9	15.0	12.1
☞ Balco 16% Dairy Feed	16.0	17.1	3.5	3.0	15.0	12.0
☞ Balco 16% Dairy Feed	16.0	15.4	3.5	2.8	15.0	10.7
<b>Owensboro Milling Co., Owensboro, Kentucky</b>						
Tru Test 21% Laying and Breeding Mash	21.0	21.4	4.25	4.7	6.5	6.5
Tru Test 13½% Poultry Fattener	13.5	13.2	7.0	6.8	5.25	5.1
☞ Barnyard Hen Scratch Adulterated with about 9,000 corn cockle seeds.	9.75	8.9	3.0	2.8	3.5	3.5
Tru Test 24% Dairy Feed	24.0	25.3	4.0	4.6	10.5	9.6
Tru-Test Pig and Sow Feed	18.0	18.4	3.75	4.9	8.0	6.3
☞ D & H Stock Feed	13.25	12.7	4.0	3.5	6.0	7.3
☞ D & H Stock Feed	13.25	13.5	4.0	4.6	6.0	7.6
<b>Pan American Mills, Bowling Green, Kentucky</b>						
☞ Hen Scratch Feed	10.0	8.5	3.0	2.5	3.0	2.2
☞ 41% Cottonseed Meal	41.0	40.1	4.0	5.2	12.0	13.4
<b>Paoli Milling Company, Paoli, Indiana</b>						
Magic 18% Egg Mash	18.0	18.5	3.5	3.8	8.0	6.0
<b>Paramount Feed Mills, Louisville, Kentucky</b>						
Paramount Horse and Mule Feed	10.0	10.0	3.0	3.5	6.0	5.1
<b>Patterson, W. L., Sacramento, Kentucky</b>						
True Made 20% Laying Mash	20.0	20.4	3.5	4.5	7.0	5.6
<b>Pay Way Feed Mills, Kansas City, Missouri</b>						
Payway New Milk Maker Dairy Feed	16.0	16.8	3.0	3.1	11.0	11.0
<b>Payne &amp; Co., I. E., Eubank, Kentucky</b>						
☞ Farmers Choice Mixed Feed	15.25	16.5	4.0	3.4	8.5	6.3
<b>Pembroke Roller Mills, Pembroke, Kentucky</b>						
☞ Mixed Feed Very much below guarantee in protein. Misbranded.	15.0	12.6	4.0	3.3	7.5	5.6
☞ Mixed Feed Very much below guarantee in protein. Misbranded.	15.0	12.2	4.0	4.0	7.5	7.1
☞ Ground Wheat Very much below guarantee in protein. Misbranded.	12.0	9.9	2.0	2.0	3.0	4.0
<b>Fendleton County Mills, Falmouth, Kentucky</b>						
☞ Farmers Champion 24% Dairy Feed Very much below guarantee in protein. Misbranded.	24.0	21.3	3.5	4.1	12.0	9.0
Farmers Champion 20% Dairy Feed	20.0	19.6	3.5	4.5	12.0	8.6
<b>Pennington Milling Company, Pennington Gap, Virginia</b>						
☞ Blue Bird 14% Mixed Feed	14.0	12.7	3.5	3.4	9.5	11.0
<b>Perk Foods Co., Vet's Division of, Chicago, Illinois</b>						
Vet's Dog Food	10.0	10.9	2.0	2.4	1.5	1.1
Vet's Dog Food	10.0	11.0	2.0	1.5	1.5	1.4
<b>Perkins Oil Co., Memphis, Tennessee</b>						
Golden Rod 41% Cottonseed Meal	41.0	41.9	5.0	6.3	12.0	9.4
Golden Rod 41% Cottonseed Meal	41.0	40.5	5.0	5.8	12.0	11.0

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Perry County Mills and Elevator Co., Cannelton, Indiana</b>						
☞ Cut Cost 20% Laying Mash..... Very much below guarantee in protein. Misbranded.	20.0	16.7	5.0	4.5	7.0	6.8
Cut Cost 20% Laying Mash.....	20.0	19.5	5.0	4.6	7.0	7.3
☞ Cut Cost 20% Laying Mash.....	20.0	18.7	5.0	3.7	7.0	7.3
☞ Cut Cost 18% Dairy Feed..... Very much below guarantee in protein. Misbranded.	18.0	15.2	3.5	4.3	15.0	8.3
<b>Pillsbury Mills, Clinton, Iowa</b>						
Pillsbury's Best Hen Scratch Feed.....	10.0	9.8	3.0	2.6	5.0	3.2
<b>Poole Milling Company, Poole, Kentucky</b>						
Mixed Feed.....	10.0	11.7	3.5	3.2	9.0	4.6
<b>Postal Milling Company, Ph. H., Mascoutah, Illinois</b>						
Elegant 24% Dairy Feed.....	24.0	25.0	3.5	3.4	11.0	7.8
Elegant 16% Dairy Feed.....	16.0	17.8	3.5	3.4	12.0	9.7
<b>Pratt Food Co., Hammond, Indiana</b>						
☞ Pratt's 20% Laying Mash.....	20.0	20.9	3.5	4.0	7.5	9.0
☞ Utility 24% Sweet Dairy Feed.....	24.0	27.2	3.5	3.4	12.0	13.2
☞ Utility 24% Sweet Dairy Feed.....	24.0	24.8	3.0	2.8	12.0	13.0
☞ Utility Sweet 16% Dairy Feed..... Adulterated with screenings refuse.	16.0	18.5	3.5	3.1	12.0	11.5
<b>Furcell Seed Co., Inc., Evansville, Indiana</b>						
Purcell's All Purpose Mineral Mixture.....						
Calcium .....	30.0	30.7	Phosphorous	1.5		1.1
Iodine .....	.06		Salt	10.0		10.7
Judge 40% Shoat and Hog Supplement.....	40.0	40.0	3.0	5.6	9.0	7.7
<b>Quaker Oats Co., The, Chicago, Illinois</b>						
Big Egg 20% Laying Mash.....	20.0	21.0	3.5	4.6	8.0	7.8
Big Egg 20% Laying Mash.....	20.0	21.5	3.5	4.4	8.0	8.0
Ful-O-Pep 19% Broiler Mash.....	19.0	20.3	3.5	4.5	7.0	6.8
☞ Ful-O-Pep 24% Dairy Feed.....	24.0	23.1	4.0	4.0	10.0	7.8
Ful-O-Pep 16% Dairy Feed.....	16.0	17.3	3.5	4.7	11.0	8.6
Ful-O-Pep 16% Dairy Feed.....	16.0	18.3	3.5	4.4	11.0	9.5
Victor Economy 16% Dairy Feed.....	16.0	16.0	3.5	3.5	12.0	9.5
Quaker Hog Feed.....	16.0	18.6	3.5	4.1	8.0	6.8
Quaker Schumacher Sweet Feed.....	12.0	13.5	2.5	2.7	12.0	10.2
Quaker Schumacher Sweet Feed.....	12.0	15.7	2.5	3.6	12.0	8.2
Quaker Schumacher Sweet Feed.....	12.0	13.3	2.5	3.9	12.0	10.3
Ken-L-Ration Dog Feed.....	10.0	10.7	2.5	7.3	1.5	.57
<b>Ralston Purina Co., St. Louis, Missouri</b>						
Purina Chicken Fatena (Complete Ration)	14.0	18.4	3.0	3.3	8.0	8.0
Purina Family Flock Chow All Mash Poultry Ration.....	18.0	19.9	3.0	4.7	8.0	7.6
Purina Family Flock Chow All Mash Poultry Ration.....	18.0	18.7	3.0	2.8	8.0	8.2
Purina Broiler Chow.....	18.0	20.7	3.5	5.0	7.0	5.6
Purina Broiler Chow.....	18.0	20.9	3.5	3.8	4.0	3.6
Purina Cow Chow 32% Protein and Mineral Dairy Supplement.....	32.0	34.3	3.0	4.2	9.0	5.8
Purina Cow Chow 32% Protein and Mineral Dairy Supplement.....	32.0	36.3	3.0	4.3	9.0	6.2
Purina Cow Chow 24% Dairy Feed.....	24.0	26.2	3.0	3.1	11.0	10.2
Purina Milk Chow.....	16.0	17.1	3.0	3.0	10.0	8.9
Purina Milk Chow.....	16.0	16.3	3.0	3.3	10.0	9.3
Protana Dairy Feed.....	16.0	17.4	3.0	3.5	15.0	10.1
Purina Hog Chow 40% Supplement.....	40.0	41.1	3.0	4.7	8.0	5.7
☞ Purina Hog Chow 40% Supplement (For Pasture).....	40.0	39.2	3.0	4.7	8.0	5.9
Purina Hog Chow 36% Supplement (For Dry Lot).....	36.0	39.4	3.0	5.3	12.0	7.4
Purina Hog Chow 36% Supplement.....	36.0	37.9	3.0	5.2	12.0	9.2
Purina Hog Chow 36% Supplement.....	36.0	37.4	3.0	5.1	12.0	7.3
Purina Hog Fatena B.....	14.0	18.5	3.0	4.5	8.0	7.4

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Randolph Milling Co., Bandana, Kentucky</b>						
☞ Nu-Joy 16% Dairy Feed.....	16.0	14.2	3.5	3.1	10.0	7.7
☞ Wheat Feed with Screenings (low protein).....	11.8	12.2	2.8	2.9	6.3	6.5
<b>Ready Foods Canning Corp., Chicago, Illinois</b>						
☞ Perk 12% Dog Food.....	12.0	13.8	2.5	2.8	1.25	1.26
<b>Roberts Bros., Burlington, Kentucky</b>						
☞ Unique 16% All Mash Growing Ration.....	16.0	17.8	4.0	4.2	7.0	8.2
Very much above guarantee in fiber. Misbranded.						
☞ Unique 18% Sow and Pig Ration.....	18.0	19.4	3.5	5.1	6.0	5.8
<b>Roberts, T. S., Mill Springs, Kentucky</b>						
☞ Wheat Mixed Feed.....	15.5	14.3	4.0	3.6	8.5	7.5
<b>Robbins Bros., Auburn, Kentucky</b>						
☞ Corn Chop.....	9.0	7.9	3.75	4.5	2.5	2.6
☞ Corn By-Product Feed.....	10.5	9.8	7.0	6.2	8.0	6.0
☞ Corn By-Product Feed.....	10.5	10.2	7.0	6.5	8.0	5.1
<b>Robinson Milling Co., Somerset, Kentucky</b>						
☞ Mixed Feed.....	13.0	12.9	4.0	3.4	8.0	7.5
<b>Rocky Hill Milling Co., Rocky Hill, Kentucky</b>						
☞ Mixed Feed.....	11.8	11.9	4.0	3.4	8.0	7.5
☞ Mixed Feed.....	11.8	12.0	4.0	4.0	8.0	7.6
☞ Mixed Feed.....	11.8	11.3	4.0	3.9	8.0	8.5
☞ Ground Wheat (low protein).....	8.5	9.6	2.0	1.6	3.0	3.6
☞ Ground Wheat (low protein).....	8.5	10.1	2.0	1.7	3.0	3.9
Adulterated with screenings.						
<b>Rodney Milling Co., Kansas City, Missouri</b>						
☞ Heart of America Wheat Bran.....	16.5	16.5	3.75	3.9	10.0	10.9
<b>Ross Feed Co., Murray, Kentucky</b>						
☞ Standard 40% Hog Supplement.....	40.0	42.2	4.5	5.5	8.0	7.7
Calcium .....	1.25	2.46			Phosphorous .22	1.42
Iodine .....	.00015				Salt	1.0
☞ Standard 17% Hog Fattener.....	17.0	17.8	3.5	4.9	7.0	6.1
<b>Rossmoyne Processing Corp., Camp Hill, Pennsylvania</b>						
☞ Alfal-Zyme Feed.....	9.5	8.4	1.0	1.0	14.0	13.1
Adulterated with oat hulls and rice hulls.						
<b>Russell-Miller Milling Co., Minneapolis, Minnesota</b>						
☞ Occident 16% Dairy Feed.....	16.0	19.2	3.0	2.4	15.0	14.3
<b>Salt Lick Milling Co., Salt Lick, Kentucky</b>						
☞ X Mixed Feed.....	14.75	12.0	4.0	3.1	8.0	5.8
Very much below guarantee in protein. Misbranded.						
☞ X Mixed Feed.....	14.75	11.5	4.0	3.7	8.0	6.3
Very much below guarantee in protein. Misbranded.						
☞ Ground Wheat.....	12.0	10.7	2.0	2.1	3.0	3.6
Adulterated with screenings refuse.						
<b>Sandusky Bros., Harrodsburg, Kentucky</b>						
☞ Mixed Feed.....	14.0	11.9	4.25	4.1	8.45	8.0
Very much below guarantee in protein. Misbranded.						
☞ Mixed Feed.....	14.0	11.9	4.25	4.3	8.45	9.0
Very much below guarantee in protein. Misbranded.						

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Schneider &amp; Sons, J. F., Middlesboro, Kentucky</b>						
☞ Cudjo 50% Tankage.....	50.0	49.0	13.5	13.6	2.5	1.6
☞ Cudjo 50% Tankage.....	50.0	48.0	13.5	10.7	2.5	1.5
Very much below guarantee in protein and fat. Misbranded.						
☞ Cudjo 50% Tankage.....	50.0	48.3	13.5	9.6	2.5	2.1
Very much below guarantee in fat. Misbranded.						
<b>Schultz, Baujan &amp; Co., Beardstown, Illinois</b>						
Critic 24% Dairy Feed.....	24.0	26.5	3.5	4.2	9.0	7.9
Critic Horse and Mule Feed.....	9.0	11.7	2.5	2.3	15.0	15.1
☞ Critic Wheat Brown Middlings and Screenings.....	16.0	17.0	4.0	5.3	7.5	7.5
Adulterated with screenings refuse. Critic Wheat Red Dog (Soft Wheat).....	14.5	14.9	3.5	3.1	3.5	3.9
<b>Scientific Milling Co., E. St. Louis, Illinois</b>						
☞ Scientific 16% Dairy Feed.....	16.0	19.3	3.0	4.5	15.0	16.3
Scientific Growing Mash.....	17.0	21.6	4.0	5.4	7.5	8.0
☞ Scientific Laying Mash.....	18.0	20.0	4.0	3.7	7.0	7.7
<b>Scott County Milling Co., The, Sikeston, Missouri</b>						
Gristo 16% Dairy Feed.....	16.5	17.0	3.0	4.0	15.0	12.8
Semo 16% Dairy Feed.....	16.0	16.5	3.0	3.3	15.0	12.0
Gristo Wheat Gray Shorts and Screenings	16.0	16.1	4.0	3.6	6.0	6.5
☞ Gristo Wheat Gray Shorts and Screenings	16.0	15.6	4.0	3.4	6.0	5.8
<b>Sebree Milling Co., Sebree, Kentucky</b>						
☞ Korb's Heavy Mixed Feed.....	14.5	10.3	4.0	3.5	7.25	3.8
Very much below guarantee in protein. Misbranded.						
☞ Korb's Heavy Mixed Feed.....	14.5	10.3	4.0	3.6	7.25	4.6
Very much below guarantee in protein. Misbranded.						
☞ Korb's Heavy Mixed Feed.....	14.5	10.6	4.0	3.8	7.25	5.1
Very much below guarantee in protein. Misbranded.						
<b>Security Mills, Knoxville, Tennessee</b>						
Security T-K 24% Dairy Feed.....	24.0	27.4	3.0	3.6	15.0	14.6
☞ Security T-K 16% Dairy Feed.....	16.0	20.3	3.0	2.4	15.0	12.8
Security 19% Sow and Pig Feed.....	19.0	20.0	3.5	4.6	6.0	6.3
<b>Sharon Grove Milling Co., Sharon Grove, Kentucky</b>						
Sharon 20% Laying Mash.....	20.0	19.9	3.5	3.5	7.0	5.3
☞ Mixed Feed.....	15.25	11.0	4.0	3.9	8.5	6.5
Very much below guarantee in protein.						
<b>Simpson County Mills, Franklin, Kentucky</b>						
☞ Mixed Feed.....	14.0	12.1	4.0	4.1	9.0	7.2
☞ Yellow Corn Chop.....	9.0	7.9	3.75	3.4	2.5	2.5
<b>Slaughters Milling Co., Slaughters, Kentucky</b>						
☞ Mixed Feed.....	14.5	11.4	4.0	4.4	8.75	5.9
Very much below guarantee in protein. Misbranded.						
<b>Smith &amp; Co., J. Allen, Knoxville, Tennessee</b>						
☞ Peerless Feed.....	13.5	12.9	3.5	3.6	8.5	6.9
☞ Blue Belle Stock Feed.....	14.5	13.7	3.5	3.7	8.5	7.6
<b>Smithfield Milling Co., Smithfield, Kentucky</b>						
☞ Wheat Mixed Feed.....	15.5	13.5	4.5	4.0	7.0	8.1
Very much below guarantee in protein. Misbranded.						

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Southern Cotton Oil Co., Rome, Georgia</b>						
Sco-Co 41% Cottonseed Meal.....	41.0	42.8	5.0	6.5	12.0	11.7
Sco-Co 41% Cottonseed Meal.....	41.0	42.0	5.0	5.8	12.0	11.6
Sco-Co 41% Cottonseed Meal.....	41.0	42.9	5.0	6.5	12.0	10.0
<b>Southern States Cooperative, LaGrange, Kentucky</b>						
☛ Milk Producer 24% Dairy Feed.....	24.0	22.7	4.5	3.5	10.0	9.9
<b>Spears &amp; Sons, Woodford, Paris, Kentucky</b>						
Bourbon 16% Pig and Hog Feed.....	16.0	15.8	3.5	3.3	6.0	4.7
☛ Bourbon Special Stock Feed.....	13.25	11.4	3.25	2.6	6.0	4.5
<b>Sphar &amp; Co., Winchester, Kentucky</b>						
☛ Spartan Ewe Mineral Feed.....						
	Calcium	20.0	21.5	Phosphorous	4.0	3.7
	Salt	32.0	35.8			
<b>Staley Milling Co., Kansas City, Missouri</b>						
Uncle's 15% Hog Fattener.....	15.0	19.2	2.5	4.0	8.0	7.1
<b>Staley Manufacturing Co., A. E., Decatur, Illinois</b>						
Staleys 44% Solvent Soybean Oil Meal.....	44.0	47.1	.5	.6	7.0	7.2
Staleys 23% Corn Gluten Feed.....	23.0	24.7	1.5	3.8	8.0	7.9
<b>Standard Milling Co., Elkton, Kentucky</b>						
Bob White 20% Laying Mash.....	20.0	20.6	3.5	4.0	6.0	5.9
☛ Bob White 16% Dairy Feed.....	16.0	20.0	3.5	3.1	9.0	9.6
Misbranded.						
☛ Mixed Feed.....	13.0	9.6	3.0	2.6	8.0	6.1
Very much below guarantee in protein.						
Misbranded.						
☛ Mixed Feed.....	13.0	9.5	3.0	2.9	8.0	5.3
Very much below guarantee in protein.						
Misbranded.						
☛ Mixed Feed.....	13.0	9.8	3.0	2.7	8.0	6.5
Very much below guarantee in protein.						
Misbranded.						
☛ Mixed Feed.....	13.0	9.5	3.0	2.3	8.0	5.4
Very much below guarantee in protein.						
Adulterated with screenings.						
Misbranded.						
<b>Standard Feed Milling Co., Atlanta, Georgia</b>						
Tru-Blue 20% Sweet Dairy Feed.....	20.0	23.0	3.0	2.8	14.0	10.7
Sterling 16% Sweet Dairy Feed.....	16.0	18.9	3.0	2.5	15.0	14.1
☛ Sterling 16% Sweet Dairy Feed.....	16.0	18.3	3.0	2.3	15.0	18.3
Very much above guarantee in fiber.						
Misbranded.						
☛ Sterling 16% Sweet Dairy Feed.....	16.0	20.9	3.0	1.9	15.0	13.5
Sterling 16% Sweet Dairy Feed.....	16.0	18.2	3.0	2.8	15.0	12.3
Standard 40% Hog Supplement.....	40.0	40.4	3.0	8.2	8.0	5.4
<b>Standard Feed Milling Co., Hopkinsville, Kentucky</b>						
Kin 24% Dog Food.....	24.0	25.1	3.5	6.7	5.5	4.6
Wheat Gray Shorts and Screenings.....	16.0	18.1	4.0	4.6	6.0	5.4
<b>Star Roller Mills, Cloverport, Kentucky</b>						
Star 20% Laying Mash.....	20.0	23.0	3.5	4.8	6.0	6.2
Star 24% Dairy Feed.....	24.0	26.0	4.0	5.8	7.0	6.4
Star 18% All Purpose Mash.....	18.0	19.3	4.0	4.5	6.0	5.5
Star 16% Dairy Feed.....	16.0	19.3	3.5	3.1	13.0	12.0
<b>Star Mills, Owensboro, Kentucky</b>						
Sugar Lassie Stock Feed.....	12.0	13.3	2.5	2.6	10.0	7.7

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER		
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.	
<b>Sturgis Milling Co., Sturgis, Kentucky</b>							
☞ Neva Fail 16% Dairy Feed.....	16.0	14.5	3.5	3.0	14.0	10.1	☞☞☞
☞ Ground Wheat.....	12.0	10.2	2.0	1.8	3.0	3.4	☞☞☞
☞ Ground Wheat.....	12.0	9.6	2.0	1.7	3.0	3.4	☞☞☞
Very much below guarantee in protein. Misbranded.							
<b>Sun-Ray Feed Mills, Bowling Green, Kentucky</b>							
Sun-Ray 20% Laying and Breeder Mash.....	20.0	20.1	4.0	4.6	6.0	5.9	
Sun-Ray 20% Laying and Breeder Mash.....	20.0	20.7	4.0	4.5	6.0	5.8	
Sun-Ray 24% Dairy Feed.....	24.0	25.6	4.0	4.9	8.0	8.3	
Booster 16% Stock Feed.....	16.0	16.3	3.5	5.3	9.0	7.1	
Booster 16% Stock Feed.....	16.0	16.6	3.5	5.6	9.0	7.5	
Booster 16% Stock Feed.....	16.0	16.1	3.5	5.4	9.0	6.7	
Booster 16% Stock Feed.....	16.0	15.8	3.5	4.9	9.0	7.5	
Booster 16% Stock Feed.....	16.0	15.8	3.5	4.9	9.0	7.5	
Booster 18% Pig and Hog Feed.....	18.0	18.1	4.0	4.9	7.0	4.9	
Booster 18% Pig and Hog Feed.....	18.0	19.2	4.0	5.3	7.0	5.6	
<b>Sun-Ray Feed Mills, Lexington, Kentucky</b>							
Sun-Ray 20% Egg Mash.....	20.0	20.9	3.5	4.5	7.0	7.4	
☞☞ Booster 24% Dairy Feed.....	24.0	26.3	3.0	2.2	12.0	11.3	☞☞
☞ Green Valley 16% Dairy Feed.....	16.0	17.0	3.0	5.1	15.0	13.0	☞☞
☞ Green Valley 16% Dairy Feed.....	16.0	17.9	3.0	5.4	15.0	13.7	☞☞
☞☞ Sun-Ray 17% Stock Feed.....	17.0	17.7	3.0	6.6	8.0	8.9	☞☞☞
☞☞ Sun-Ray 40% Hog Supplement.....	40.0	37.0	4.0	5.5	6.0	7.2	☞☞☞
Very much below guarantee in protein. Misbranded.							
☞☞☞ Booster Hog Feed (Fattening).....	17.0	16.8	3.5	6.0	8.0	9.2	☞☞☞
Adulterated with oat hulls, rice hulls and plant by-product.							
☞☞☞ Sun-Ray Pig and Hog Ration.....	17.0	17.0	3.5	5.8	6.0	7.9	☞☞☞
☞☞☞ Booster 13% Mixed Feed.....	13.0	13.5	3.0	4.2	8.0	8.2	☞☞☞
Adulterated with screenings refuse.							
<b>Sunshine Feed Mills, Nashville, Tennessee</b>							
☞☞ Dandelion 16% Dairy Feed.....	16.0	17.1	3.0	2.3	15.0	13.8	☞☞☞
☞☞☞ Sunshine Hog Ration.....	17.5	21.2	3.0	4.7	6.0	8.1	☞☞☞
Very much above guarantee in fiber. Above guarantee in salt. Adulterated with cottonseed hulls and screenings. Misbranded.							
<b>Supreme Feed Mill, Glasgow, Kentucky</b>							
Supreme 15% Hog Fattening Feed.....	15.0	15.7	3.5	4.1	6.0	6.3	
Supreme 15% Hog Fattening Feed.....	15.0	16.0	3.5	4.3	6.0	6.4	
Supreme Hominy Feed.....	10.0	11.0	7.0	7.0	6.0	5.3	
☞☞ Supreme Cracked Corn.....	9.0	7.9	3.75	3.4	3.0	2.3	☞☞☞
☞☞☞ 34% Linseed Oil Meal.....	34.0	34.7	3.5	5.0	9.0	10.5	☞☞☞☞
☞☞☞ Supreme 41% Cottonseed Meal.....	41.0	37.4	5.0	5.4	12.0	12.2	☞☞☞☞
Very much below guarantee in protein. Misbranded.							
☞☞☞ Supreme 41% Cottonseed Meal.....	41.0	38.7	5.0	5.4	12.0	11.3	☞☞☞☞
Very much below guarantee in protein. Misbranded.							
Supreme 41% Soybean Oil Meal.....	41.0	42.5	3.5	7.9	7.0	6.1	
☞☞ Supreme 55% Meat Scraps.....	55.0	54.2	3.0	13.6	3.0	1.6	☞☞☞
Supreme 55% Tankage.....	55.0	54.9	6.0	10.4	3.0	1.7	
☞☞ Supreme 55% Tankage.....	55.0	54.2	6.0	13.4	3.0	1.0	☞☞☞☞
☞☞ Supreme 55% Tankage.....	55.0	52.4	6.0	14.1	3.0	1.5	☞☞☞☞
Very much below guarantee in protein. Misbranded.							
☞☞☞ Supreme 55% Tankage.....	55.0	53.9	6.0	13.4	3.0	1.9	☞☞☞☞
Supreme 20% Laying Mash.....	20.0	20.9	3.5	5.0	7.0	5.5	
Supreme 20% Laying Mash.....	20.0	19.8	3.5	5.1	7.0	5.7	
☞☞ Supreme 20% Laying Mash.....	20.0	19.1	3.5	4.0	7.0	5.0	☞☞☞
Supreme 20% Dairy Feed.....	20.0	23.8	4.0	4.5	14.0	11.6	
Supreme 20% Dairy Feed.....	20.0	23.6	4.0	3.6	14.0	11.9	
Supreme 20% Dairy Feed.....	20.0	23.4	4.0	4.5	14.0	10.4	
Supreme 20% Dairy Feed.....	20.0	23.4	4.0	4.5	14.0	11.8	
Premo 16% Dairy Feed.....	16.0	18.2	3.5	3.7	15.0	11.8	
Premo 16% Dairy Feed.....	16.0	20.5	3.5	4.2	15.0	11.1	
Premo 16% Dairy Feed.....	16.0	18.8	3.5	4.0	15.0	13.1	
Premo 16% Dairy Feed.....	16.0	19.7	3.5	4.3	15.0	12.8	

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Sutherland &amp; Sons, D. B., Bloomfield, Kentucky</b>						
Kentucky Star 15% Hog Feed.....	15.0	15.0	3.5	4.6	7.0	5.8
☞ Sutherland's Farm Feed.....	15.5	13.0	4.0	2.8	8.5	4.3 ☞
Very much below guarantee in protein. Misbranded.						
☞ Sutherland's Farm Feed.....	15.5	11.8	4.0	3.5	8.5	7.7 ☞
Very much below guarantee in protein. Misbranded.						
<b>Sweet Feed Mills, Bowling Green, Kentucky</b>						
Ace 24% Dairy Feed.....	24.0	23.7	3.0	2.6	15.0	11.3
☞ Ace 20% Dairy Feed.....	20.0	22.1	3.5	2.3	12.0	11.6 ☞
☞ Ace 20% Dairy Feed.....	20.0	20.3	3.5	2.2	12.0	11.8 ☞
☞ Ace 20% Dairy Feed.....	20.0	20.2	3.5	2.4	12.0	11.6 ☞
☞ Ace 16% Dairy Feed.....	16.0	16.9	3.0	2.1	15.0	12.0 ☞
King 16% Dairy Feed.....	16.0	17.2	3.0	2.9	15.0	12.2
<b>Sweet Feeds, Henderson, Kentucky</b>						
☞ Sweet Mix 20% All Mash Poultry Ration.....	20.0	17.9	4.5	4.4	5.0	6.2 ☞
Very much below guarantee in protein. Misbranded.						
Sweet Mix 18% Pig and Sow Ration.....	18.0	17.5	3.5	4.2	7.0	6.6
<b>Sweet Feeds, Hopkinsville, Kentucky</b>						
Sweet Mix 16% All Mash Poultry Ration.....	16.0	16.8	4.0	4.6	7.0	5.4
☞ Sweet Mix 16% Dairy Feed.....	16.0	16.6	3.0	2.4	15.0	16.4 ☞
☞ Sweet Mix 16% Dairy Feed.....	16.0	17.2	3.0	2.4	15.0	16.6 ☞
☞ Sweet Mix 40% Hog Supplement.....	40.0	37.1	5.0	7.0	8.0	7.2 ☞
Very much below guarantee in protein. Misbranded.						
☞ Sweet Mix 40% Hog Supplement.....	40.0	37.7	5.0	7.5	8.0	7.0 ☞
Very much below guarantee in protein. Misbranded.						
<b>Swift and Company Oil Mill, Cairo, Illinois</b>						
☞ Cotton Bloom 41% Cottonseed Meal.....	41.0	39.9	5.0	5.4	12.0	12.1 ☞
☞ Cotton Bloom 41% Cottonseed Meal.....	41.0	38.2	5.0	5.5	12.0	12.5 ☞
Very much below guarantee in protein. Misbranded.						
Swift's 43% Soybean Oil Meal.....	43.0	46.3	3.5	4.3	7.0	6.1
<b>Swift and Co., Chicago, Illinois</b>						
☞ Swift's 20% Chick Mash.....	20.0	22.1	4.0	3.8	6.0	8.7 ☞
Very much above guarantee in fiber. Adulterated with rice hulls. Misbranded.						
☞ Swift's 20% Egg Mash.....	20.0	19.4	4.0	4.1	8.0	7.0 ☞
Swift's 16% Dairy Feed.....	16.0	17.0	3.5	3.7	12.0	7.5
Swift's 43% Swine Supplement.....	43.0	42.5	4.5	5.8	7.0	6.3
Calcium .....	4.0	4.76	Phosphorous	1.5	1.48	
Iodine .....	.0005		Salt	2.0	2.2	
Swift's Mineral Supplement.....						
Calcium .....	25.0	23.64	Phosphorous	4.5	4.08	
Iodine .....	.003		Salt	20.0	19.06	
Swift's Mineral Supplement.....						
Calcium .....	25.0	28.5	Phosphorous	4.5	4.8	
Iodine .....	.003		Salt	20.0	18.4	
Swift's 42% Soybean Oil Meal.....	42.0	45.7	3.5	5.3	7.0	6.7
<b>Tell City Flouring Mills, Tell City, Indiana</b>						
Hoosier Starter and Grower All Mash.....	16.0	17.3	2.5	4.2	8.0	6.4
Hoosier 18% Egg Producer Mash.....	18.0	20.9	3.5	5.4	7.0	6.7
☞ Hoosier Poultry Scratch Feed.....	9.0	8.7	2.0	2.2	5.0	3.2 ☞
Adulterated with about 50,000 unground weed seeds per 100 pounds. Misbranded.						
Hoosier 16% Dairy Feed.....	16.0	16.2	4.0	3.6	13.0	9.3
☞ Hoosier Special Mixed Feed.....	14.0	11.7	3.5	3.2	14.0	11.2 ☞
Very much below guarantee in protein. Adulterated with oat hull feed. Misbranded.						
☞ Hoosier Special Mixed Feed.....	14.0	12.2	3.5	3.7	14.0	9.5 ☞

TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>Thompson's Mill, Benton, Kentucky</b>						
Thompson's 20% Laying Mash.....	20.0	21.7	3.5	3.8	7.0	6.8
Thompson's 16% Dairy Feed.....	16.0	16.6	3.5	3.4	15.0	9.0
Thompson's Hog Fattener.....	14.0	17.4	3.5	3.6	6.0	7.0
Thompson's Hog Fattener.....	14.0	15.6	3.5	4.3	6.0	8.4
Very much above guarantee in fiber. Misbranded.						
<b>Thorobred Co., Inc., The, Cincinnati, Ohio</b>						
Thorobred Canned Dog Food.....	12.0	11.7	2.5	2.4	1.5	1.6
<b>Tilford &amp; Walters Mill, Metropolis, Illinois</b>						
Masco 21% Layer and Breeder Mash.....	21.0	22.2	3.5	4.1	6.0	8.3
Very much above guarantee in fiber. Misbranded.						
Masco 20% Laying Mash.....	20.0	21.1	3.5	4.6	6.0	7.3
Masco 34% Dairy Supplement.....	34.0	34.6	4.0	4.4	7.5	7.9
Masco 20% Pig and Sow Feed.....	20.0	21.4	3.0	5.1	6.0	7.2
Wheat Mixed Feed with Screenings.....	15.5	17.0	4.0	3.5	8.5	6.6
<b>Tonka Mills Co., Minneapolis, Minnesota</b>						
Tonka Ground White Oats.....	11.0	13.4	4.5	4.6	12.0	10.6
<b>Trenton Milling Co., Trenton, Illinois</b>						
Wheat Gray Shorts and Screenings.....	16.0	11.8	4.0	2.5	6.0	5.1
Very much below guarantee in protein and fat. Misbranded.						
Wheat Gray Shorts and Screenings (Low Protein).....	15.0	14.5	4.0	3.6	6.0	7.1
Trenton 41% Cottonseed Meal.....	41.0	41.5	5.0	6.3	12.0	10.4
<b>Ubiko Milling Co., The, Cincinnati, Ohio</b>						
Life-Guard Turkey All-Mash Growing Ration.....	16.0	18.8	3.5	5.6	7.0	6.5
Union Grains Life Guard 24% Dairy Feed.....	24.0	27.1	4.0	4.3	10.0	8.5
Sunbeam 20% Dairy Feed.....	20.0	21.7	3.0	3.4	12.0	10.8
Clover Bloom Dairy Feed.....	16.0	18.5	3.5	3.2	12.0	12.0
Clover Bloom Dairy Feed.....	16.0	16.4	3.5	3.6	12.0	13.3
Adulterated with screenings refuse.						
Life-Guard Pork Maker (Fattening).....	14.0	17.6	4.0	5.2	8.0	8.4
<b>Union Elevator Co., Nashville, Tennessee</b>						
Union 16% Dairy Feed.....	16.0	15.6	3.5	2.4	15.0	13.6
Adulterated with flax plant by-product.						
Union 16% Dairy Feed.....	16.0	15.4	3.5	2.0	15.0	14.6
Adulterated with screenings.						
Union 16% Dairy Feed.....	16.0	17.2	3.0	2.3	15.0	12.5
<b>Union National Mill, The, Springfield, Ohio</b>						
William Tell Wheat Feed with Screenings.....	14.5	14.4	3.0	4.6	9.0	7.5
<b>Valier &amp; Spies Milling Co., St. Louis, Missouri</b>						
Wheat Gray Shorts and Screenings.....	16.0	16.8	4.0	4.4	6.0	6.5
<b>Vitality Mills, Inc., Chicago, Illinois</b>						
Velvet Dairy Feed.....	16.0	18.4	3.0	4.1	15.0	11.0
<b>Warren County Mill, Bowling Green, Kentucky</b>						
Economy 20% Dairy Feed.....	20.0	18.7	4.0	4.6	12.0	11.0
<b>Weaverton Milling Co., Henderson, Kentucky</b>						
17% All Purpose Mash.....	17.0	17.1	5.0	5.0	5.0	4.6
<b>Weisenberger Sanitary Flour Mill, Midway, Kentucky</b>						
Repeater Feed.....	14.25	12.9	4.25	5.5	10.75	9.1
Repeater Feed.....	14.25	12.8	4.25	5.6	10.75	8.3



TABLE 2.—REPORT OF OFFICIAL FEED SAMPLES ANALYZED—Continued

MANUFACTURER, BRAND AND REMARKS	PROTEIN		FAT		FIBER	
	Guar.	Fnd.	Guar.	Fnd.	Guar.	Fnd.
<b>West Ninth Street Mill, Owensboro, Kentucky</b>						
Ravar 16% Dairy Feed.....	16.0	16.7	3.0	3.5	9.0	6.8
Ravar Sow and Pig Ration.....	20.0	22.1	3.0	3.6	6.0	6.4
<b>Wiedlocher &amp; Sons, Springfield, Illinois</b>						
Faultless 16% Dairy Feed.....	16.0	17.8	3.0	3.3	15.0	11.5
Faultless 17% Breeder Rabbit Pellets.....	17.0	17.5	3.5	4.5	14.0	10.2
<b>Williamstown Roller Mill, Williamstown, Kentucky</b>						
Our Own 20% Egg Mash.....	20.0	19.9	3.5	3.0	7.0	4.5
<b>Winchester Milling Co., Winchester, Kentucky</b>						
☞ Perfection Feed.....	11.0	9.6	5.0	4.3	8.5	9.7 ☞
☞ Perfection Feed.....	11.0	10.8	5.0	4.5	8.5	8.0
☞ Old Kentucky Mixed Feed.....	16.0	15.4	3.5	5.3	8.5	8.5 ☞
<b>Winn Milling Co., Greensburg, Kentucky</b>						
☞ Daisy 20% Laying Mash.....	20.0	18.3	4.0	3.5	8.0	6.2 ☞
☞ Daisy 17% Pig and Hog Feed.....	17.0	16.9	4.0	4.7	6.0	6.6 ☞
<b>Winn &amp; Tobin Milling Co., Marion, Kentucky</b>						
Daisy 18% Laying Mash.....	18.0	19.5	4.0	4.4	8.0	7.8
☞ Wheat Middlings (low protein).....	12.0	11.2	3.5	3.6	8.5	2.5 ☞
☞ Hominy Meal.....	10.0	9.0	7.0	7.1	6.0	10.3 ☞
Very much above guarantee in fiber. Misbranded.						
☞ Hominy Meal.....	10.0	10.2	7.0	9.0	6.0	8.0 ☞
Very much above guarantee in fiber. Misbranded.						
<b>Winn &amp; Tobin Milling Co., Leitchfield, Kentucky</b>						
☞ Daisy 18% Hog Feed (Fattening).....	18.0	16.0	4.0	3.7	7.0	4.8 ☞
Very much below guarantee in protein. Misbranded.						
☞ Soft Wheat Mixed Feed.....	15.5	11.3	4.0	3.2	8.5	8.2 ☞
Very much below guarantee in protein. Misbranded.						
<b>Woolcott Flour Mills, Lexington, Kentucky</b>						
Woolcott Mixed Feed.....	12.0	12.0	4.0	3.6	8.5	6.2
<b>Yukon Mill &amp; Grain Co., Yukon, Oklahoma</b>						
Wheat Gray Shorts.....	16.0	16.6	4.5	4.1	6.0	6.4
<b>Zaring Mill &amp; Grain Co., J. W., Richmond, Kentucky</b>						
☞ Bonanza Mixed Feed.....	14.0	12.0	4.0	5.1	8.0	8.8 ☞
Very much below guarantee in protein. Misbranded.						
☞ Bonanza Mixed Feed.....	14.0	11.0	4.0	4.0	8.0	7.2 ☞
Very much below guarantee in protein. Misbranded.						
☞ Bonanza Mixed Feed.....	14.0	10.8	4.0	4.5	8.0	6.2 ☞
Very much below guarantee in protein. Misbranded.						
<b>Zilak &amp; Schafer Milling Co., Haubstadt, Indiana</b>						
☞ Sure Fine 3 in 1 17% All Mash Poultry Ration.....	17.0	18.2	4.0	4.5	6.0	6.8 ☞
☞ Wheat Shorts and Screenings.....	16.0	17.4	4.0	4.1	6.0	6.2 ☞
Adulterated with screenings refuse.						

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