

# Commercial Feeds in Kentucky,

1955

Including Report on Official Feed  
Samples Analyzed

October-December, 1955



University of Kentucky  
Agricultural Experiment Station  
Lexington

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## COMMERCIAL FEED IN KENTUCKY, 1955

The estimated tonnage of commercial feeds consumed in Kentucky during 1955 was 541,536 tons. This was 24,682 tons less than was consumed in 1954.

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

1940 . . . .	356,138	1948 . . . .	634,000
1941 . . . .	350,000	1949 . . . .	607,255
1942 . . . .	426,805	1950 . . . .	584,441
1943 . . . .	630,438	1951 . . . .	612,946
1944 . . . .	663,093	1952 . . . .	648,800
1945 . . . .	671,351	1953 . . . .	662,267
1946 . . . .	647,661	1954 . . . .	566,218
1947 . . . .	582,375	1955 . . . .	541,536

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

In 1955, inspectors collected 2,886 samples of feed. Out of these samples 2,347 equaled guarantee or were within tolerance; 1,658 equaled guarantee in every respect; 689 were within one half of one percent of guarantee; 162 were below guarantee in protein; 129 below guarantee in fat; 110 above guarantee in fiber; 83 adulterated; 49 misbranded; 48 above guarantee in urea; 18 below guarantee in calcium; 1 below guarantee in phosphorus.

The record of samples correctly labeled in 1955 was 81%. This was three percent over the record for 1954.

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

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

## ESTIMATED TONNAGE OF SALES BY CLASS OF FEED, KENTUCKY, 1955

MIXED FEED	TONS	STRAIGHT MATERIALS	TONS
Calf Feed	2,668	Alfalfa Products	709
Cattle Feed	10,791	Animal Products	9,588
Dairy Feed	95,554	Barley Products	285
Dog & Cat Feed	9,117	Brewers Products	707
Horse & Mule Feed	10,907	Corn Products	38,495
Mineral Feed	3,859	Cottonseed Products	11,244
Pig & Hog Feed	55,458	Distillers Products	3,988
Poultry Mashs	149,255	Linseed & Flax Products	199
Rabbit Feed	2,465	Molasses	11,683
Scratch Feed	18,175	Oat Products	1,254
Sheep Feed	977	Soybean Products	14,178
Stock Feed	7,664	Wheat Products	44,116
Turkey Mashs	12,433	Miscellaneous Products	6,154
Miscellaneous Mixed Feed	19,613		
Total Mixed Feed	398,936	Total Straight Materials	142,600
	Total Mixed Feed	<u>398,936</u>	
	Total Straight Material	<u>142,600</u>	
	Grand Total	<u>541,536</u>	

## COMMERCIAL FEEDS, 1955

## PURPOSE OF FEED LAW

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

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

## REQUIREMENTS OF LAW

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

## MEDICATED FEED

Drugs in feed aid in the prevention, control and cure of disease. Growth stimulation also results from the use of some drugs.

The Federal Food & Drug Administration requires a special label on all feeds containing medicines. The name of the drug or mixture must appear as the first item at the top of the label. This is followed by a statement of percentage of the active drug ingredient.

The recommended use of the feed appears next on the label, followed by "Incorporated in" and the name of the feed such as John Doe Broiler Mash. The customary manufacturer's guaranteed chemical analysis and ingredient list is followed by a Caution or Warning statement as shown on the sample label. If feeding directions are required, they appear on the same tag.

The following is a sample label for a feed containing drug:

Net Weight  
Nicarbazin and 3-Nitro Mixture  
Active Drug Ingredients:  
Nicarbazin 0.0125%  
3-Nitro-4-Hydroxyphenylarsonic Acid 0.005%

A Preventive against outbreak of Cecal and  
Intestinal Coccidiosis in Chicken Flocks  
Incorporated in  
John Doe Broiler Mash  
John Doe & Company  
Doeville, Kentucky

Guaranteed Analysis:  
Crude Protein, not less than . . . . 20.00%  
Crude Fat, not less than . . . . . 3.00  
Crude Fiber, not more than . . . . . 5.00

INGREDIENTS  
Ground Corn, Pulverized Oats, Meat Scraps, etc.  
CAUTION: USE ONLY AS DIRECTED ON BACK OF THIS TAG.

A sample of such directions follow:

## DIRECTIONS

Unless supplementary feed also contains the same level of Nicarbazin, feed this mixture as the only ration from the time chicks are placed on litter until the time when coccidiosis is ordinarily a hazard.

If losses exceed 0.5% in a 2-day period, obtain an accurate diagnosis, and follow the instructions of your veterinarian or poultry pathologist.

## CAUTION

Do not feed to laying birds in production. Do not use flushing mashers. Do not use this feed as a treatment for outbreaks of coccidiosis. Discontinue medication 4 days before marketing birds for human consumption to allow for elimination of the drug from the edible tissue.

When using feeds with drugs in them, extra care should be taken to see that the feed is fed to the animal or poultry that the directions call for.

## THE FEED LABEL

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

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

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

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

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

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

## Customer Formula Feed Production Capacity in Kentucky, 1955

In September 1955 a survey of feed mixers revealed there were 276 individual operators equipped with feed mixing machinery and grinding equipment to handle farm grown grains, mixing such grains with concentrates and supplements.

211 of these operators were equipped to grind roughage in addition to grinding grain. 202 had attachments for metering molasses into the mixture.

Of the 276 plants, 183 of them were in operation in 1950 and 86 in operation in 1945. This serves to indicate the rate of growth over the past ten years. There were over three times as many plants equipped to do custom mixing in 1955 than in 1945. It was determined that 17 additional mills were either under construction or in the planning stage at the time the survey was made. Seventeen of the 276 operations were "portable" mills.

The 276 operators had 574 batch mixers. Some had as many as four mixers and the average was over two mixers per operator. The total tonnage capacity was 657 tons (all mixers in operation at the same time). Assuming a rate of operation of an average of a little over three batches per hour, in one hour's operation these plants could produce approximately 2,000 tons of mixed feed. This indicates the potential capacity. Obviously this capacity is never fully used but if it were fully used on an eight hour day basis, it would take no more than 40 days to produce as much mixed feed as has ever been sold in a given 12 month period in Kentucky.



### UREA

For the past few years the use of urea in dairy feeds has been growing and its use in 1955 was much greater than any previous year.

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

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

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

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

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

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

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

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

METHOD OF CALCULATING THE ANALYSIS OF  
A FEED MIXTURE

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

Example 1. 20-percent protein dairy feed

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

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

Example 2. 20-percent protein laying mash

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

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

Explanation of Method used in Table 1.

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

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

## COMPANIES ON REPORTING SYSTEM, MARCH 1, 1956

Abilene Alfalfa Sales Company, Post Office Box 21, Abilene, Kansas  
Allied Mill, Inc., 3400 Board of Trade Bldg., Chicago, Illinois  
American Crab Meat Co., Inc., 80 Federal Street, Boston 10, Massachusetts  
American Crystal Sugar Company, 600 Boston Bldg., Denver 1, Colorado  
Andrews Mills, Box 44, Russellville, Kentucky  
Apex Feed & Supply, Inc., 112 Greene St., Marietta, Ohio  
Apex Milling Company, 2002 West Central Ave., Toledo 6, Ohio  
Armour & Company, Union Stock Yards, Chicago 9, Illinois  
Armour & Company, Dash Division, Chicago, Illinois  
Ashcraft-Wilkinson Company, 601 Trust Company of Georgia Bldg., Atlanta 3, Georgia  
C. T. Ashley Co., Nicholasville, Kentucky  
Aubrey Feed Mills, Inc., 932 E. Chestnut St., Louisville 4, Kentucky  
Aylor & Meyer Company, Third & Exporting Sts., Aurora, Indiana

Barry-Carter Milling Co., Lebanon, Tennessee  
Barton Distilling Company, Bardstown, Kentucky  
Battle Creek Dog Food Company, 60 East State St., Battle Creek, Michigan  
Bay State Milling Co., Winona, Minnesota  
The Beardstown Mills Company, 601 E. 2nd St., Beardstown, Illinois  
Big Four Mills, Post Place & River Road, Ludlow, Kentucky  
Blatchford Calf Meal Company, 2 Madison St., Waukegan, Illinois  
Brenda Life Inc., Green Isle, Minnesota  
The Borden Company-Spec. Prods. Div., 350 Madison Avenue, New York 17, New York  
The Boswell Company, Box 176 Northside Sta., Atlanta 5, Georgia  
Botkins Grain & Feed Co., Botkins, Ohio  
The Brode' Corporation, 1012 Falls, Bldg., Box 700, Memphis, Tennessee  
Brown-Forman Distillers Corporation, P. O. Box 1080, Louisville 1, Kentucky  
The Buhler Mill & Elevator Co., Buhler, Kansas  
Buhner & Co., Inc., 165 N. Clay St., Louisville, Kentucky

Cadiz Milling Company, Cadiz, Kentucky  
The Carey Salt Company, B & Poplar, Hutchinson, Kansas  
Cargill, Incorporated, 200 Grain Exchange, Vegetable Oil Div., Minneapolis, Minnesota  
Carson Food Company, 701 Griggs Street - Box 801, Danville, Illinois  
Cashman's Leghorn Farm, Webster, Kentucky  
Central Soya Co., Decatur, Illinois  
Chelsea Milling Co., North St., Chelsea, Michigan  
Clark Milling Company, 296 W. Water Street, Chillicothe, Ohio  
Cleveland Milling Company, Cleveland, Tennessee  
Clinton Milling Co., Clinton, Kentucky  
Clinton Foods Inc., Corn Processing Div., Clinton, Iowa  
Cocke & Company, 208 William-Oliver Building, 32 Peachtree Street NW, Atlanta, Georgia  
The Colorado Milling & Elevator Co., 620 Equitable Bldg., Box 718, Denver, Colorado  
Columbian Hog & Cattle Powder Co., 1457 Genesee Street, Kansas City, Missouri  
Commander-Larabee Milling Co., P. O. Box 840, Minneapolis, Minnesota  
Consolidated Products Co., 119 N. Washington Avenue, Danville, Illinois  
Cooperative Mills, Inc., Box 13, Lockland Station, Cincinnati 15, Ohio

Dearborn Mills, 116 Bridgeway Street, Aurora, Indiana  
Decatur Cotton Oil Company, Decatur, Alabama  
Decatur Milling Co., Inc., 717 North Union Street, Decatur, Illinois  
Decatur Soy Products Co., P. O. Box 1320, Decatur, Illinois  
Diamond Crystal Salt Co., 916 South Riverside Avenue, St. Clair, Michigan  
Dixie Grain Co., Inc., Depot St., Shelbyville, Tennessee  
Dixie Mills Company, 10th & Walnut, E. St. Louis, Illinois  
Dixie Portland Flour Co., Franklin, Tennessee

Dixie Treat Sales Company, Jackson, Tennessee  
Doane Feed Products Co., P. O. Box 1108, Joplin, Missouri

The Early & Daniel Company, 1308 Federal Reserve Bank Bldg., Cincinnati 2, Ohio  
B. A. Eckhart Milling Co., 1300 Carroll Ave., Chicago, Illinois  
Elam Grain Company, 4004 Duncan Avenue, St. Louis 10, Missouri  
The F. L. Emmert Co., 2007 Dunlap St., Cincinnati 14, Ohio  
John W. Eshelman & Sons, 244 North Queen Street, Lancaster, Pennsylvania  
Evans Industries, Inc., P. O. Box 428, 700 East First Street, Marion, Indiana  
Evans Milling Company, Inc., 1730 W. Michigan St., Indianapolis 6, Indiana

Farmers Friend Mineral Co., 651 Filmore Street, Napoleon, Ohio  
Farmers Supply Co., Springfield, Kentucky  
Flambeau Milling Co., Phillips, Wisconsin

Garden Street Mill & Elevator, 932 E. Chestnut St., Louisville 4, Kentucky  
General Foods Corporation, Igleheart Bros. Div., 1600 First Ave., Evansville, Indiana  
General Foods Corporation, Corn Mill Division, Kankakee, Illinois  
General Foods Corporation, Gaines Div., 180 So. Dearborn Ave., Kankakee, Illinois  
General Mills, Inc., 400 Second Avenue South, Minneapolis, Minnesota  
The Glidden Company, Chemurgy Div., 1160 W. 18th St., Indianapolis 7, Indiana  
Goldenrod Oil Meal Sales Company, P. O. Box 152, Memphis 1, Tennessee  
Greenup Milling Company, Greenup, Kentucky  
Goodrich Feed Mills, Div. of Acme-Goodrich, Inc., Winchester, Indiana  
Green County Milling Co., Greensburg, Kentucky  
Gwinn Bros. & Co., Huntington, West Virginia

Hales & Hunter Company, 141 W. Jackson Blvd., Chicago, Illinois  
Hayward, Inc., Oak Harbor, Ohio  
Dr. Heinz Company, Washington C. H., Ohio  
Helmets Feed & Supply, 11th & Cedar St., Owensboro, Kentucky  
Hi-Life Packing Company, 431 South Dearborn St., Chicago 5, Illinois  
Highland Products, Inc., 525 North Fourth St., Minneapolis 1, Minnesota  
Hill Packing Company, P. O. Box 148, Topeka, Kansas  
Hoham Laboratories, Inc., Walnut St., Auburn, Indiana  
Honeggers' & Co., Inc., Fairbury, Illinois  
The Hunter Milling Co., Wellington, Kansas

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

The Jackson Cotton Oil Mill, 179 Stoddert Street, Jackson, Tennessee

Kasco Mills, Inc., 2000 West Central Ave., Toledo 6, Ohio  
Keco Milling Company, McKenzie, Tennessee  
Kellogg Company, Battle Creek, Michigan  
H. C. Knoke and Company, 5728 West Roosevelt Road, Chicato 50, Illinois

Lexington Roller Mills, Inc., Lexington, Kentucky  
Limestone Products Corp. of America, 122 Main Street, Newton, New Jersey  
Louisville Provision Co., Inc., 914 East Market St., Louisville, Kentucky  
L. B. Lovitt & Company, 314 Cotton Exchange Bldg., Memphis, Tennessee

Magic Feed Mills, Inc., Paoli, Indiana  
Marblehead Lime Company, 300 W. Washington St., Chicago 6, Illinois  
Marianna Sales Company, 510 Cotton Exchange Bldg., Memphis, Tennessee  
Markin Feed Company, Ironton, Ohio  
Martha White Flour Mills, Nashville, Tennessee  
Master Feed & Seed Co., Inc., 335 Baxter Avenue, Louisville, Kentucky  
McMillen Feed Mills, Div. of Central Soya Co, 300 Ft. Wayne Bank Bldg., Fort Wayne, Indiana  
Mead Johnson & Company, 2404 W. Pennsylvania St., Evansville, Indiana  
Memphis Molasses Terminal, Inc., 1315 No. Second St., Memphis, Tennessee  
O. W. Meyer Laboratories, 651 Filmore St., Napoleon, Ohio  
Midwest Feeds, P. O. Box 53, Lockland, Cincinnati 15, Ohio  
Mineral Products Co., 2120 South Harding St., Indianapolis, Indiana  
Minute Maid, Clinton Foods, Inc., Florida Products Div., P.O. Box 247, Auburndale, Florida  
Minute Maid Corporation, By-Products Sales Office, P.O. Drawer 202, Leesburg, Florida  
Mohawk Roller Mills, Mohawk, Tennessee  
Model Mills, Jackson, Tennessee  
John Morrell & Co., Ottumwa, Iowa  
Moorman Mfg. Co., Quincy, Illinois  
Morristown Milling Co., Daisy Street, Morristown, Tennessee  
Morton Salt Company, 120 South LaSalle St., Chicago 3, Illinois  
Mowat, Wilson & Co., 18675 James Couzens Highway, Detroit 35, Michigan  
  
H. Nagle & Son, 2168 Spring Grove Ave., Cincinnati 14, Ohio  
Nashville Cotton Oil Mill Corp., 410 Chestnut St., Nashville, Tennessee  
National Alfalfa Dehy. & Milling Co., 101 S. 4th St., Box 890, Lamar, Colorado  
National Biscuit Co., Toledo Mill, 2221 Front St., P.O. Box 1528, Central Sta., Toledo 3, Ohio  
National Distillers Products Corp., 120 Broadway, New York 5, New York  
National Molasses Co., Mill Road, Oreland, Pennsylvania  
National Oats Co., 1931 Baugh Avenue, East St. Louis, Illinois  
National Vitamin Products Co., 3401 Hiawatha Avenue, Minneapolis, Minnesota  
The North American Trading & Import Co., 1429 Walnut St., Philadelphia 2, Pennsylvania  
Chas. Nunn & Sons Millin Co., P. O. Box 596, Evansville, Indiana  
Nutrena Mills, Inc., 200 Grain Exchange, Minneapolis, Minnesota  
Oelwein Chemical Co., Inc., Oelwein, Iowa  
Ohio Valley Soybean Coop., Outher Fifth St., P.O. Box 338, Henderson, Kentucky  
Orleans Candy Co., 431 South Dearborn St., Chicago 5, Illinois  
Owensboro Grain Co., Owensboro, Kentucky  
  
Pacific Molasses Co., 215 Market St., San Francisco 5, California  
Park & Tilford Distillers Corp., 445 North 35th St., Louisville, Kentucky  
Pendleton County Mills, Falmouth, Kentucky  
Penick & Ford, Inc., Cedar Rapids, Iowa  
Perfection Foods Co., Battle Creek, Michigan  
Phillip R. Park, Inc., Outer Harbor, San Pedro, California  
Pillsbury Mills, Inc., Feed & Soy Division, Clinton, Iowa  
Pillsbury Mills, Inc., Pillsbury Bldg., Minneapolis, Minnesota  
Pittsburgh Plate Glass Co., 118 Maint St., Red Wing, Minnesota  
Planters Manufacturing Co., Clarksdale, Mississippi  
Provico Feeds & Concentrates, Div. of Ky. Chemical Indus., Inc., 5366 Este Ave., Cin., Ohio  
Publicker Industries Inc., 1429 Walnut St., Philadelphia 2, Pennsylvania  
  
The Quaker Oats Co., 345 Merchandise Mart, Chicago 54, Illinois

Ralston Purina Company, 835 South Eighth Street, St. Louis, Missouri  
Lloyd Reiterman, Kingston, Ohio  
Reynolds Molasses Co., Inc., 400 Davidson Street, Nashville, Tennessee  
Robinson Milling Co., Somerset, Kentucky  
Russell Grain Company, 58 Franklin St., Hilliards, Ohio  
Russell-Miller Milling Co., 900 Midland Bank Building, Minneapolis, Minnesota  
Ryde & Company, 5425 W. Roosevelt Rd., Chicago 50, Illinois

Schenley Distillers, Inc., 350 Fifth Avenue, New York 1, New York  
Scientific Milling Co., 10th & Walnut, E. St. Louis, Illinois  
The Scott County Milling Co., Sikeston, Missouri  
Joseph E. Seagram & Sons, Inc., Seventh Street Road, Louisville, Kentucky  
Security Food Company, 521 S. 3rd St., Minneapolis 15, Minnesota  
Shellabargers, Salina, Kansas  
The Sherwin-Williams Co., 101 Prospect Avenue, N. W., Cleveland, Ohio  
The W. J. Small Co., Div. Archer-Daniels-Midland Co., 1200 Oak St., Kansas City, Mo.  
Southern Canning Sales, Inc., P. O. Box 728, Highlands, Texas  
The Southern Cotton Oil Company, P. O. Box 313, Memphis, Tennessee  
The Southern Cotton Oil Company, P. O. Box 351, Sheffield, Alabama  
Southern Products Co. Inc., P. O. Box 1812, Greenville, South Carolina  
Spener Kellogg & Sons, Inc., 98 Delaware Avenue, Buffalo 2, New York  
Sperti Products, Inc., 816 Clinton Street, Hoboken, New Jersey  
Spratt's Patent (America) Limited, 18 Congress Street, Newark 5, New Jersey  
A. E. Staley Manufacturing Company, 22nd & Eldorado St., Decatur, Illinois  
Staley Milling Co., 1717 Armour Road, Kansas City 16, Missouri  
F. M. Stamper Co., Mill, Box 667, Moberly, Missouri  
Standard Brands Incorporated, 595 Madison Avenue, New York 22, N. Y.  
Standard Feed Milling Co., Inc., 14th and L. & N., Hopkinsville, Kentucky  
Suni-Citrus Products Co., P. O. Box 67, Haines City, Florida  
Sunshine Feed Mills, 800 16th Avenue North, Nashville, Tennessee  
Swift & Co., 4115 Packers Avenue, Chicago 9, Illinois  
Swift & Co., Oil Mill, Cairo, Illinois  
Swift & Co., Memphis, Tennessee

Tilford & Walters, P. O. Box 107, 108 West 3rd St., Metropolis, Illinois  
The Topeka Flour Mills, Corp., P. O. Box 1058, Salina, Kansas  
Trenton Cotton Oil Company, Trenton, Tennessee  
Tri-State Molasses Co., Div. of Livestock Supply Co., 1440 W. Seventh St. Owensboro, Ky.

The Ubiko Milling Co., 5226 Vine Street, St. Bernard, Cincinnati 17, Ohio  
Union Sales Corp., Distributor for Union Starch & Refining Co., 301 Washington St., Columbus, Ind.

Valier & Spies Milling Co. Div. of Flour Mills of America, Inc., P. O. Box 2568, Kansas City, Mo.  
Virginia-Carolina Chemical Corp., P. O. Box 548, Hopkinsville, Kentucky  
Vita Fresh Dog Food Corp., 540 Morgan Ave., Brooklyn 22, New York  
Vitality Mills, Inc., 141 W. Jackson Blvd., Chicago 4, Illinois  
Vitamineral Products Company, 1522 N. Adams St., Peoria, Illinois  
VyLactos Laboratories, Inc., 1901 East Euclid Ave., Des Moines 13, Iowa

Watkins Wholesale Grocery Co., East Bernstadt, Kentucky  
Weisheimer Bros. 780 King Avenue, Columbus, Ohio  
Western Condensing Co., P. O. Box 739, Appleton, Wisconsin  
The Whitewater Flour Mills Co., Whitewater, Kansas  
Woburn Process Co., Inc., 209 New Boston St., Woburn, Massachusetts

COMMERCIAL FEEDS, 1955  
AVERAGE COMPOSITION OF THE MORE COMMON FEEDSTUFFS

Feedstuff	Protein	Fat	Carbohydrate		Water	Ash
			Fiber	N. F. Extract		
Alfalfa Leaf Meal	21.0	2.8	16.0	40.5	7.7	12.0
Alfalfa Meal	14.0	2.0	30.0	36.0	9.0	9.0
Barley	12.0	2.0	5.4	67.3	10.6	2.7
Barley Feed	13.5	3.5	8.7	60.9	9.3	4.1
Beet Pulp, dried	9.2	0.5	19.8	57.2	9.9	3.4
Blood, dried	84.5	1.1	1.0	0.7	8.2	4.5
Bone Meal, raw	26.0	5.0	1.0	2.5	6.4	59.1
Bone Meal, steamed	7.1	3.3	0.8	1.8	5.7	81.3
Brewers Dried Grains	25.0	6.4	16.0	41.0	7.7	3.9
Buckwheat	10.8	2.5	10.5	62.3	12.0	1.9
Buttermilk, dried	33.0	6.0	0.3	43.1	7.6	10.0
Buttermilk, Semi-Solid	13.4	3.0	0.0	15.9	65.0	2.7
Citrus Meal	5.9	3.1	11.5	62.7	9.9	6.9
Coconut Oil Meal	20.5	8.0	10.5	45.0	9.5	6.5
Corn	8.0	3.9	2.0	69.9	15.0	1.2
Corn Bran	9.7	7.3	9.2	62.0	9.4	2.4
Corn and Cob Meal	7.0	3.5	8.0	66.1	14.0	1.5
Crushed Ear Corn & Husks	7.0	3.0	10.6	69.2	11.0	1.8
Corn Chop	8.0	3.5	2.0	71.0	14.0	1.5
Corn Feed Meal	8.0	4.5	3.0	71.1	11.4	2.0
Corn Germ Meal	21.0	9.0	9.0	50.7	7.0	3.3
Corn Gluten Feed	25.5	2.7	7.6	48.8	9.1	6.3
Corn Gluten Meal	43.1	2.0	4.0	39.8	8.6	2.5
Cottonseed Meal	41.5	6.3	10.4	28.1	7.2	6.5
Cottonseed Meal Solvent	44.4	2.6	12.7	24.3	9.2	6.8
Cottonseed Feed	34.6	6.3	14.1	31.5	7.6	5.9
Distillers Dried Grains, Corn	28.3	8.8	11.4	41.9	7.1	2.5
Distillers Dried Grains, Rye	18.5	6.4	15.6	51.0	6.1	22.4
Distillers Dried Solubles	30.0	5.0	3.0	47.6	7.0	7.4
Fish Meal	63.9	6.8	0.6	4.0	7.1	17.6
Flaxseed	22.6	33.7	7.1	23.2	9.2	4.3
Flaxseed Screenings Oil Feed	25.0	7.1	11.7	40.3	8.1	7.8
Hominy Feed	11.2	6.9	5.2	64.2	9.6	2.9
Lespedeza Seed	36.6	7.6	9.6	32.8	8.3	5.1
Linseed Oil Meal	35.4	5.8	8.2	36.0	9.0	5.6
Linseed Oil Meal, Solvent	36.9	2.9	8.7	36.3	9.6	5.6
Malt Sprouts	26.8	1.3	14.2	44.3	7.4	6.0
Meat Scraps, 55%	55.8	9.3	2.1	1.3	6.1	25.4
Meat & Bone Scraps, 50%	51.0	10.1	2.1	1.6	6.1	29.1
Molasses, Cane	3.2	0.0	0.0	65.0	25.7	6.1
Molasses, Beet	9.0	0.0	0.0	62.0	22.0	7.0
Oats	11.5	4.6	11.0	60.9	10.4	3.4
Oat Kernels	16.0	6.4	1.6	66.0	8.0	2.0
Oat Middlings	15.9	5.2	3.3	64.6	8.6	2.4
Peanut Kernels	30.4	47.7	2.5	11.7	5.4	2.3
Peanut Oil Meal	43.5	7.6	13.3	23.4	7.0	5.2
Peanut Oil Meal, Solvent	51.5	1.4	5.7	27.2	8.4	5.8
Peanut Skins	15.9	22.4	10.6	42.2	6.2	2.7

## Average Composition of the More Common Feedstuffs, Continued

Feedstuff	Protein	Fat	Carbohydrate		Water	Ash
			Fiber	N. F. Extract		
Rice Bran	12.5	12.5	12.5	44.0	9.0	9.5
Rye	11.8	1.8	1.8	73.2	9.4	2.0
Rye Middlings	15.5	3.7	5.5	61.7	9.8	3.8
Skimmed Milk, Dried	34.0	1.0	0.0	51.0	6.0	8.0
Sorghum Grains	9.5	3.4	2.0	72.2	12.0	1.9
Soybean (Seed)	36.5	17.5	4.3	26.5	9.9	5.3
Soybean Oil Meal	44.3	5.3	5.7	29.6	9.1	6.0
Soybean Oil Meal, Solvent	46.1	1.0	5.9	31.8	9.4	5.8
Tankage, 60%	60.6	8.5	2.0	1.8	6.9	20.2
Tankage with bone 50%	51.3	11.5	2.3	2.3	6.2	26.1
Wheat	10.5	1.7	2.8	72.9	10.2	1.9
Wheat Bran	14.0	3.5	9.5	56.9	10.1	6.0
Wheat Mixed Feed	13.5	3.5	7.5	60.2	10.1	5.2
Wheat Brown Middlings or Shorts	15.0	3.5	7.1	58.7	10.3	5.4
Wheat Gray Middlings or Shorts	15.0	3.5	6.0	60.6	10.5	4.4
Wheat Flour, Red Dog	16.0	3.5	3.0	66.4	8.5	2.6
Wheat Flour, Patent	10.9	1.3	0.4	74.7	12.3	0.5
Wheat Germ Meal	26.0	8.0	2.5	50.1	8.9	4.5
Grain Screenings (from wheat)	10.5	1.7	2.8	70.8	9.6	4.6
Whey, dried	12.2	0.8	0.2	70.4	6.5	9.9
Yeast Brewers, dried	49.3	1.0	3.7	31.9	6.2	7.9
Yeast, Irradiated, dried	48.7	1.1	5.5	32.2	6.0	6.4

ROUGHAGES

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

FILLERS

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

\* Varies in quality from fair to poor.

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



## COMMERCIAL FEEDS, 1955

## Miscellaneous Samples Analyzed in 1947-55

Feedstuff	Protein	Fat	Fiber
Barley Bran	15.2	5.2	14.9
Blue Grass Chaff	7.1	1.9	28.5
Blue Grass Screenings	6.7	2.0	26.1
Blackberry Seeds	9.6	---	----
Brewers Wet Grains	10.3	1.0	3.4
Buckwheat Feed & Hulls	9.6	2.9	22.4
Cake, Ground	4.8	9.9	1.5
Corn Fodder & Soybean Plant	10.1	3.9	17.0
Cracklings, Edible	67.1	28.1	1.1
Cracklings, Inedible	44.1	22.2	3.0
Fescue Silage	2.8	1.3	8.9
Honey Suckle	2.8	0.02	6.0
Ice Cream Cones, Ground	9.2	1.5	0.7
Kale Seed	24.3	40.0	9.6
Lespedeza Screenings	19.8	15.7	26.2
Lima Beans, Ground	21.5	1.5	6.1
Malt Hulls, Ground	10.3	1.8	22.5
Osage Orange Apple	2.5	4.3	1.7
Peanut Vine Meal	10.1	2.3	34.0
Popcorn, Ground	9.4	2.5	2.7
Popcorn, Popped & Crushed	8.4	12.8	2.9
Potato Flour	2.0	---	----
Potato Flakes	9.0	---	----
Rag Weed Seed	17.2	16.2	34.4
Sorghum, Ground (Stalk & Leaves)	4.1	2.9	19.6
Straw Silage	6.5	3.0	19.5
Sudan Grass Silage	5.9	1.1	14.0
Vetch Seed	26.4	0.7	7.6
Walnut Shells & Meats	13.2	24.2	27.1
Walnut Meat Skins & Small Amount of Shell	21.5	45.5	12.0
Wheat Toast, Ground	12.6	4.9	0.5
Wild Onions	6.7	.2	1.0
Wheat Silage	4.4	1.4	22.7

## ANALYSIS OF MOLASSES

MANUFACTURER, BRAND AND REMARKS	Total Sugar as Invert Sugar
OWENSBORO MOLASSES CO., OWENSBORO, KENTUCKY Molasses	53.5
HARRY L. LAWS CO., NEW ORLEANS, LOUISIANA Blackstrap Molasses	50.7
NATIONAL MOLASSES CO., CINCINNATI, OHIO Molasses	52.1
	52.4
REYNOLDS MOLASSES CO., NASHVILLE, TENNESSEE Molasses	53.0

## VITAMIN A ANALYSIS OF ALFALFA MEAL

MANUFACTURER, BRAND AND REMARKS	U. S. P. Units of Vitamin A Per Pound
BREMCO ALFALFA MILLS, INC., NEW BREMEN, OHIO	
Medogreen Alfalfa Meal	41,650
Medogreen Alfalfa Meal	44,982
Bremco Alfalfa Meal	71,805
SCHENK'S, VIENCENNES, INDIANA	
Schenk's Dehydrated Alfalfa Meal	87,798

## FLUORINE CONTENT OF FEEDS

Sample No.	MANUFACTURER AND BRAND	Percent of Fluorine
	H. J. BAKER & BROS., NEW YORK, NEW YORK	
9057	Curacao Low Fluorine Phosphate Rock	0.375
	CALCIUM CARBONATE CO., CHICAGO, ILLINOIS	
9060	Trace Mineral Premix for Livestock & Poultry Feeds	0.012
	COOPERATIVE MILLS, INC., CINCINNATI, OHIO	
8960	Free Choice Minerals	0.320
	FARMERS FRIEND MINERAL CO., NAPOLEON, OHIO	
9026	Farmers Friend Livestock Mineral	0.167
	THE FARM MINERAL CO., INC., INDIANAPOLIS, INDIANA	
9071	Blue Cross Brand Livestock Mineral High in Fluorine	<u>0.410</u>
	EDWARD F. GOEKE SONS, EVANSVILLE, INDIANA	
8642	Geoke's Mineral Feed High in Fluorine	<u>0.530</u>
	GOOD LIFE CHEMICALS, INC., EFFINGHAM, ILLINOIS	
8645	Good Life Trace Mineral for Mixed Feeds	0.002
	MAJOR-BURRES SEED CO., WILKINSON, INDIANA	
8925	Feeders Choice Mineral Compound High in Fluorine	<u>0.460</u>
	MINERAL PRODUCTS CO., INDIANAPOLIS, INDIANA	
9011	3-Way All Purpose Mineral High in Fluorine	<u>0.410</u>
	PURCELL SEED CO., INC., EVANSVILLE, INDIANA	
9006	Purcell's All-Purpose Mineral Mixture	0.012
	RALSTON PURINA CO., ST. LOUIS, MISSOURI	
9051	Purina Livestock Mineral	0.160
9002	Purina Livestock Mineral	0.088

## ANALYSIS OF MEDICATED FEEDS

MANUFACTURER, BRAND AND REMARKS	DRUG	GUARANTEED	FOUND
<b>ALLIED MILLS, INC., CHICAGO, ILLINOIS</b>			
Nicarbazin Mixture in Wayne Starter and Grower	Nicarbazin	0.0125	0.0105
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin Mixture in Wayne Rocket Broiler Feed	Nicarbazin	0.0125	0.0087
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin Mixture in Wayne Rocket Broiler Feed	Nicarbazin	0.0125	0.0130
<b>COOPERATIVE MILLS, INC., CINCINNATI, OHIO</b>			
Nicarbazin Mixture in Broiler Maker	Nicarbazin	0.0125	0.0120
Nicarbazin Mixture in Broiler Maker	Nicarbazin	0.0125	0.0145
Nicarbazin Chlorotetracycline Mixture in Broiler Maker	Nicarbazin	0.0125	0.0125
Nicarbazin Chlorotetracycline Mixture in Broiler Maker	Nicarbazin	0.0125	0.0121
Nicarbazin Chlorotetracycline Mixture in Broiler Maker	Nicarbazine	0.0125	0.0119
<b>FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY</b>			
Nicarbazin and Arsanilic Acid Mixture in Feeders Friend H. E. Broiler Ration	Nicarbazin	0.0125	0.0084
	Arsanilic Acid	0.01	0.0119
Nicarbazin and Arsanilic Acid Mixture in Feeders Friend 18% Broiler Finisher	Nicarbazin	0.0125	0.0093
	Arsanilic Acid	0.01	0.0117
<b>GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA</b>			
Nicarbazin with Arsonic Growth Stimulant in Surebroiler Starter	Nicarbazin	0.0125	0.01
Nicarbazin Mix in Surechick	Nicarbazin	0.0125	0.0043
Larro All Purpose Poultry Wormer	Phenothiazine	0.47	0.33
<b>GREEN COUNTY MILLING CO., GREENSBURG, KENTUCKY</b>			
Nitrophenide and Arsanilic Acid Mixture in Greenco 22% Broiler Mash	Arsanilic Acid	0.01	0.0005
<b>HALES &amp; HUNTER CO., CHICAGO, ILLINOIS</b>			
Nicarbazin Mixture in Red Comb Broiler Finisher	Nicarbazine	0.0125	0.0108
Nicarbazin Mixture in Red Comb Growing Mash	Nicarbazin	0.015	0.0133
<b>MCMILLEN FEED MILLS, FORT WAYNE, INDIANA</b>			
Nicarbazin & 3-Nitro-4-Hydro Mix in Master Mix Hi-Calorie Broiler Concentrate	Nicarbazine	0.03125	0.026

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

## ANALYSIS OF MEDICATED FEEDS

MANUFACTURER, BRAND AND REMARKS	DRUG	GUARANTEED	FOUND
<b>MASTER FEED &amp; SEED CO., LOUISVILLE, KENTUCKY</b>			
Nicarbazin & 3-Nitro-4-Hydro Mix in Gilt Edge Hi-Calorie Broiler Finisher	Nicarbazin	0.01	0.0121
<b>PILLSBURY MILLS, INC., CLINTON, IOWA</b>			
Arsanilic Acid Mixture in Pillsbury's Best Starter & Grower	Arsanilic Acid	0.01	0.0102
Pillsbury's Best Arsanilic Acid Mixture in 4 X Broiler Mash	Arsanilic Acid	0.01	0.0103
Nitrofurazone Mixture with Arsonic Growth Stimulant in Pillsbury's Best 4 X Broiler Mash	Nitrofurazone	0.005	0.0037
Arsanilic Acid Mixture in Pillsbury's Best 4 X Broiler Finisher	Arsanilic Acid	0.01	0.0118
Pillsbury's Best Arsanilic Acid Mixture in Pillsbury's Best Pig Feast	Arsanilic Acid	0.01	0.0082
Pillsbury's Best Arsanilic Acid Mixture in Pillsbury's Best Pig Feast	Arsanilic Acid	0.01	0.0087
<b>THE QUAKER OATS CO., CHICAGO, ILLINOIS</b>			
Nicarbazin Mixture & 3-Nitro Pellets	Nicarbazin	0.0125	0.0102
<b>RALSTON PURINA CO., ST. LOUIS, MISSOURI</b>			
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin Mixture in Purina Broiler Chow Finisher	Nicarbazin	0.0125	0.0097
<b>TILFORD &amp; WALTERS MILL, METROPOLIS, ILLINOIS</b>			
Di N Butyl Tin Delaurate, Nicotine, Phenothiazine in Masco 17% Layer Ration	Phenothiazine	0.145	0.1

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

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
<b>ALLIED MILLS, INC., CHICAGO, ILLINOIS</b>		
Wayne 42% Dairy Mixing Supplement	17.50	17.90
Wayne Roughage Supplement "AA"	12.00	11.30
Sugarine 16% Dairy Feed	4.00	3.80
Sugarine 16% Dairy Feed	4.00	4.20
Sugarine 16% Dairy Feed	4.00	4.70
q Sugarine 16% Dairy Feed	4.00	4.50
<b>AUBREY FEED MILLS, LOUISVILLE, KENTUCKY</b>		
0.0011% Diethylstilbestrol in Red A Steer Concentrate	10.50	9.10
0.0011% Diethylstilbestrol in Red A Steer Concentrate	10.50	8.50
Red A 24% Dairy Feed	7.86	7.30
Red A 24% Dairy Feed	7.86	8.50
Supreme 24% Dairy Feed	7.86	5.20
Supreme 24% Dairy Feed	7.86	4.00
Red A 20% Dairy Feed	6.55	5.40
Red A 18% Dairy Feed	5.24	5.00
Red A 16 1/2% Dairy Feed	2.62	2.40
Red A 16 1/2% Dairy Feed	2.62	2.90
<b>BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY</b>		
Harrison's Nat-Ur-Way 24% Dairy Feed	7.87	7.40
Harrison's Nat-Ur-Way 24% Dairy Feed	7.87	7.90
Harrison's Nat-Ur-Way 18% Dairy Feed	5.82	4.70
Harrison's Nat-Ur-Way 16% Dairy Feed	5.24	4.40
Bulky Brand 16 1/2% Dairy Feed	5.82	4.80
Bulky Brand 16 1/2% Dairy Feed	5.82	4.50
Bulky Brand 16 1/2% Dairy Feed	5.82	4.30
<b>BAUGHMAN MILLING CO., STANFORD, KENTUCKY</b>		
Big B Cattle Supplement	30.00	29.90
<b>BIG FOUR MILLS, COVINGTON, KENTUCKY</b>		
Hi-Lo 24% Dairy Feed	7.86	4.90
Hi-Lo 24% Dairy Feed	7.86	4.50
Hi-Lo 24% Dairy Feed	7.86	4.50
<b>BROCK BROTHERS GRAIN CO., MAYSVILLE, KENTUCKY</b>		
14% Dairy Feed (To be fed with high quality Legume pasture, hay or ensilage)	1.60	0.30
<b>BUHNER &amp; CO., LOUISVILLE, KENTUCKY</b>		
Happy Farmer 32% Beef Supplement	9.17	8.60
Happy Farmer 20% Dairy Feed	5.24	3.40
Magnolia 20% Dairy Feed	3.93	2.09
Magnolia 16 1/2% Dairy Feed	3.93	4.60
Happy Farmer 16% Dairy Feed	3.93	3.60
Happy Farmer 16% Dairy Feed	3.93	4.70
<b>CANEYVILLE ROLLER MILLS, CANEYVILLE, KENTUCKY</b>		
Sweet Mix 16% Dairy Feed	5.50	5.00

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

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
CLIFTY FALLS MILLS, INC., MADISON, INDIANA		
Clifty Falls 24% Protein Pusher Feed	7.86	7.70
Clifty Falls 16% Protein Pusher Feed	5.24	4.60
COMMUNITY MILLING CO., IRVINGTON, KENTUCKY		
None Such 16% Dairy Feed	5.24	3.90
COOPERATIVE MILLS, INC., CINCINNATI, OHIO		
Pro-Blend "50"	18.50	18.00
Pro-Blend "50"	18.50	16.00
Pro-Blend "50"	18.50	15.20
Pro-Blend "50"	18.50	19.20
Pro-Blend "50"	18.50	18.70
32% Dairy Supplement	11.00	9.40
32% Dairy Supplement	11.00	8.00
32% Dairy Supplement	11.00	8.30
16% Utility Dairy	3.00	2.60
0.00147% Diethylstilbestrol Mixture in Pro-Blend "50"	18.50	17.40
0.0011% Diethylstilbestrol Mixture in Beef Supplement	8.00	7.50
Beef Supplement	8.00	8.10
Beef Supplement	8.00	7.40
CRESCENT ROLLER MILLS CO., TAYLORSVILLE, KENTUCKY		
Crescent 24% Dairy Feed	7.86	5.90
THE EARLY & DANIEL CO., CINCINNATI, OHIO		
Tuxedo 33% Dairy Supplement	8.25	11.10
Tuxedo 33% Dairy Supplement	8.25	11.10
Tuxedo 33% Dairy Supplement	8.25	7.90
Tuxedo 24% Dairy	6.00	5.60
Tuxedo 24% Dairy	6.00	4.10
Tuxedo Special 24% Dairy	6.00	6.10
Tuxedo Special 24% Dairy	6.00	5.70
Tuxedo Special 24% Dairy	6.00	5.80
Tuxedo 20% Dairy	4.98	4.40
Tuxedo 20% Dairy	4.98	4.40
Tuxedo 18% Dairy	4.45	4.60
Tuxedo 18% Dairy	4.45	3.90
Tuxedo Special 16% Dairy	3.93	2.80
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA		
Kentucky Challenge 24% Dairy Feed	8.00	7.50
J. H. FEDDERS, INC., COVINGTON, KENTUCKY		
Fedco 16% Dairy Feed	5.24	5.10
FERNCLIFF FEED & GRAIN CO., LOUISVILLE, KENTUCKY		
Ferncliff 20% Dairy Feed	6.55	7.50
Sweet 16% Dairy Feed	4.40	3.90
Sweet 16% Dairy Feed	4.40	3.60
Sweet 16% Dairy Feed	4.40	4.50

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

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
<b>HENRY FRUECHTENICHT CO., LOUISVILLE, KENTUCKY</b>		
Producer 33% Dairy Concentrate	7.86	12.90
Blue Grass 24% Dairy Feed	7.86	5.50
Producer 24% Dairy Feed	7.86	4.40
Producer 24% Dairy Feed	7.86	5.00
Producer 24% Dairy Feed	7.86	6.90
Producer Special 24% Dairy Feed	7.86	6.60
Producer Special 24% Dairy Feed	7.86	6.20
Blue Grass 20% Dairy Feed	7.86	4.40
Producer 20% Dairy Feed	7.86	3.10
Producer 20% Dairy Feed	7.86	2.30
Producer 20% Dairy Feed	7.86	4.50
Producer 18% Dairy Feed	5.24	4.80
Producer 16% Dairy Feed	5.24	3.30
Producer 16% Dairy Feed	5.24	3.30
Producer Special 16% Dairy Feed	5.24	3.20
<b>GARDEN STREET MILL &amp; ELEVATOR, LOUISVILLE, KENTUCKY</b>		
Garden 16% Dairy Feed	5.24	2.40
Garden 16% Dairy Feed	5.24	2.00
<b>EDWARD F. GOEKE &amp; SONS, EVANSVILLE, INDIANA</b>		
Gay-Key 16% Dairy Feed	5.24	4.70
Gay-Key Cattle Fattner	5.24	3.60
<b>GREENUP MILLING CO., GREENUP, KENTUCKY</b>		
Greenup Milling Co. 16% Dairy Feed	2.62	2.40
<b>GWINN BROS. &amp; CO., HUNTINGTON, WEST VIRGINIA</b>		
Sweet Acre 24% Dairy Feed	8.00	8.10
Sweet Acre 24% Dairy Feed	8.00	8.20
Banner 24% Dairy Feed	7.86	7.80
<b>HALES &amp; HUNTER CO., CHICAGO, ILLINOIS</b>		
Pioneer Beef Cattle A	10.50	17.80
Pioneer Beef Cattle 20%	5.84	5.20
<b>THE P. H. HARSHA MILLING CO., PORTSMOUTH, OHIO</b>		
Harsha's Dixie Sweet 16% Dairy Feed	5.24	4.70
<b>HAYDON MILL &amp; GRAIN CO., SPRINGFIELD, KENTUCKY</b>		
Magic Brand 4-2-2-16% Dairy Feed	5.24	4.30
<b>DR. HEINZ CO., WASHINGTON C. H., OHIO</b>		
Heinz Nu -Way 22% Sweet Flo Mixing Feed	6.50	5.00
<b>HOME MILLING CO., GREENVILLE, KENTUCKY</b>		
Happy Home 16% Sweet Dairy Feed	5.24	3.40
Happy Home 16% Sweet Dairy Feed	5.24	3.40

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



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

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
KECO MILLING CO., MCKENZIE, TENNESSEE Thrifty 16% Dairy	5.24	4.00
LEXINGTON ROLLER MILLS, INC., LEXINGTON, KENTUCKY		
Thoroughbred 24% Sweet Dairy Feed	5.89	5.10
Thoroughbred 24% Sweet Dairy Feed	5.24	5.20
Thoroughbred 24% Sweet Dairy Feed	5.89	5.90
Sweet Sue 24% Sweet Dairy Feed	7.87	6.10
Sweet Sue 24% Sweet Dairy Feed	7.87	5.10
Thoroughbred 20% Sweet Dairy Feed	2.62	2.50
Sweet Sue 16% Sweet Dairy Feed	5.24	4.10
Sweet Sue 16% Sweet Dairy Feed	5.24	3.90
McMILLEN FEED MILLS, FORT WAYNE, INDIANA		
44% Dairy Supplement	20.96	18.70
Diethylstilbestrol Mix in Master Mix 32% Cattle Supplement	11.80	7.30
Master Mix Beef Sweets	9.20	4.60
MOORMAN MANUFACTURING CO., QUINCY, ILLINOIS		
Moorman's Mintrate for Dairy Cows	9.00	7.80
Moorman's 0.0022% Diethylstilbestrol Mix in Moorman's Mintrate for Fattening Cattle	13.00	13.00
MYERS & CLARK CO., ASHLAND, KENTUCKY		
32% Ideal Dairy Feed	6.10	6.40
Myers Special 24% Dairy Feed	7.86	10.20
OWENSBORO MILLING CO., OWENSBORO, KENTUCKY		
Tru Test 32% Dairy Supplement	6.55	6.30
Tru Test 24% Dairy Feed	8.00	7.10
Star 16 1/2% Dairy Feed	5.24	4.70
PILLSBURY MILLS, INC., CLINTON, IOWA		
Pillsbury's Best 32% Dairy Concentrate	10.50	9.30
Pillsbury's Best 32% Dairy Concentrate	10.50	9.00
Pillsbury's Best 24% Dairy Feed	7.85	5.60
Pillsbury's Best 24% Dairy Feed	7.85	6.80
Pillsbury's Best 24% Dairy Feed	7.35	6.80
Pillsbury's Best 20% Dairy Feed	6.55	3.90
Pillsbury's Best 20% Dairy Feed	6.55	4.80
Pillsbury's Best 16% Dairy Feed	5.25	3.50
RALSTON PURINA CO., ST. LOUIS, MISSOURI		
Purina Cow Chow Concentrate	8.75	9.00
Purina Cow Chow Concentrate	8.75	7.50
Purina Cow Chow Concentrate	8.75	8.80
Purina Dairy Chow R	4.00	1.70
Purina Range Checkers A (R)	5.50	4.60
0.0011% Diethylstilbestrol Mix in Purina Special Steer Fatena	8.75	8.60

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

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

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
ROBINSON MILLING CO., SOMERSET, KENTUCKY		
Happy Home 16% Dairy Feed	5.24	4.80
Happy Home 16% Dairy Feed	5.24	5.70
SIMPSON'S FEED MILL, COLUMBIA, KENTUCKY		
Thrifty 16% Dairy Feed	5.24	6.10
SUN-RAY FEED MILLS, LEXINGTON, KENTUCKY		
Green Valley 24% Dairy Feed	7.86	7.70
Green Valley 24% Dairy Feed	7.86	7.60
Green Valley 16% Dairy Feed	5.24	5.20
Sugar Creek 16% Dairy Feed	5.24	4.40
SUPREME MILLS, GLASGOW, KENTUCKY		
Supreme 45% Dairy Concentrate	20.95	19.80
Supreme 45% Dairy Concentrate	20.95	18.70
Feeders Pride 16% Dairy Feed	5.24	4.30
D. B. SUTHERLAND & SONS, BLOOMFIELD, KENTUCKY		
Kentucky Star 24% Dairy Feed	5.24	3.70
Kentucky Star 24% Dairy Feed	5.24	3.50
Kentucky Star 20% Dairy Feed	5.24	4.20
THOMERSON MILLING CO., GLASGOW, KENTUCKY		
Thomerson 16% Dairy Feed	2.90	4.30
THE UBIKO MILLING CO., CINCINNATI, OHIO		
Special 18% Union Grains Life Guard Dairy Feed	6.00	4.20
VITALITY MILLS, CHICAGO, ILLINOIS		
Velvet 16% Dairy Feed	5.24	0.70

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

Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
ALABAMA FLOUR MILLS, DECATUR, ALABAMA														
** "Pride of Dixie Brand" 40% Hog Supplement	40.0	39.6	3.0	2.2	8.0	6.7	3.0	2.8	1.5	1.1	-----	-----	2.0	2.1
ALLIED MILLS, INC., CHICAGO, ILLINOIS														
Wayne 42% Dairy Mixing Supplement	42.0	44.8	1.0	2.3	8.0	6.0	2.0	3.4	.7	1.2	.0008	-----	3.7	2.5
Wayne Roughage Supplement "AA"	34.0	35.4	2.0	1.9	10.0	6.9	2.5	1.8	.8	1.3	.0008	-----	2.5	1.6
Wayne Hog Balancer	35.0	36.7	1.5	1.7	8.0	6.9	3.0	2.6	1.0	1.1	.0003	-----	2.5	2.3
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY														
Red "A" 34% Protein Poultry Supplement	34.0	38.7	2.0	1.6	8.0	7.5	3.8	3.3	1.6	1.6	.0005	-----	2.5	2.2
0.0011% Diethylstilbestrol in Red "A" Steer Concentrate	33.0	36.1	1.5	2.6	6.0	6.3	3.0	3.5	1.3	1.1	.00083	-----	2.0	2.2
0.0011% Diethylstilbestrol Mix inc. in Red "A" Steer Concentrate	33.0	35.2	1.5	2.8	6.0	5.6	3.0	4.4	1.3	1.3	.00063	-----	2.0	2.2
Red "A" 40% Hog Supplement	40.0	39.8	1.5	1.2	7.0	6.5	3.0	2.5	.8	.8	.00212	-----	2.0	1.6
Red "A" 40% Hog Supplement	40.0	42.8	1.5	1.6	7.0	5.1	3.0	3.0	.8	1.0	.00212	-----	2.0	2.0
Red "A" 40% Hog Supplement	40.0	42.4	1.5	2.4	7.0	5.1	3.0	3.0	.8	.8	.00212	-----	2.0	2.0
Red "A" 40% Hog Supplement	40.0	40.5	1.5	1.5	7.0	5.7	3.0	3.2	.8	1.0	.00212	-----	2.0	1.5
Red "A" 40% Hog Supplement	40.0	41.2	1.5	1.7	7.0	5.6	3.0	3.9	.8	1.3	.00212	-----	2.0	2.8
** Red "A" 40% Hog Supplement: Red "A" 35% Sow & Pig Supplement	40.0	38.1	1.5	2.0	7.0	5.4	3.0	2.9	.8	1.1	.00212	-----	2.0	1.4**
35.0	37.9	1.5	2.0	9.0	7.5	3.0	3.1	.8	1.0	1.0	.0015	-----	1.5	1.2
H. J. BAKER & BROS. NEW YORK, NEW YORK														
Curacao Low Fluorine Phosphate Rock	-----	-----	---	---	---	---	31.0	34.4	14.0	14.9	-----	-----	---	---
BUHNER & COMPANY, LOUISVILLE, KENTUCKY														
Happy Farmer 32% Beef Supplement	32.0	32.7	2.5	3.3	8.5	7.9	5.2	5.1	1.2	1.7	.008	-----	2.0	1.7

## Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
BUHNER & COMPANY, INC., LOUISVILLE, KENTUCKY (Con't)														
Happy Farmer 40% Protein Hog Supplement	40.0	42.0	3.0	4.7	7.0	5.1	4.5	5.1	1.0	1.5	.0011	2.5	2.9	
Happy Farmer 40% Protein Hog Supplement	40.0	42.0	3.0	4.7	7.0	4.9	4.5	4.1	1.0	1.2	.0011	2.5	2.8	
COOPERATIVE MILLS, INC., CINCINNATI, OHIO														
Free Choice Minerals	---	---	---	---	---	---	25.0	27.0	5.0	5.1	.02	15.0	11.6	
Free Choice Minerals	---	---	---	---	---	---	25.0	28.8	5.0	5.5	.02	15.0	16.9**	
32% Poultry Supplement	32.0	32.9	2.0	6.8	8.0	6.8	4.5	3.7	1.5	1.4	.001	2.5	1.7	
Pro-Blend "50"	50.0	52.6	3.0	4.6	10.0	5.6	2.2	1.9	1.2	.9	.0001	3.5	2.1	
Pro-Blend "50"	50.0	50.7	3.0	4.4	10.0	5.6	2.2	2.1	1.2	1.1	.0001	3.5	3.2	
Pro-Blend "50"	50.0	50.6	3.0	3.3	10.0	5.8	2.2	1.1	1.2	.8	.0001	3.5	3.2**	
Pro-Blend "50"	50.0	52.1	3.0	2.5	10.0	6.1	2.2	1.8	1.2	1.1	.0001	3.5	2.8	
Pro-Blend "50"	50.0	54.6	3.0	5.7	10.0	5.8	2.2	1.8	1.2	.8	.0001	3.5	4.0	
.00147% Diethylstilbestrol Mixture (for Fattening Beef Cattle) inc. in Pro-Blend "50"	50.0	52.9	3.0	5.6	10.0	5.6	2.2	2.0	1.2	.8	.0001	3.5	3.8	
.0011% Diethylstilbestrol Mixture incorporated in Beef Supplement	30.0	32.1	2.0	2.8	11.0	8.7	1.7	1.4	1.0	.9	.0001	2.5	2.9	
Beef Supplement	30.0	34.6	2.0	2.8	11.0	9.3	1.7	1.9	1.0	1.2	.0001	2.5	2.8	
Beef Supplement	30.0	33.4	2.0	2.7	11.0	9.9	1.7	1.6	1.0	1.1	.0001	2.5	2.4	
35% Sow & Pig Supplement	35.0	34.5	1.2	4.4	8.5	8.1	3.0	2.9	1.2	1.3	.0001	2.5	1.1	
CUMBERLAND CHEMICAL COMPANY, INC., HOPKINSVILLE, KENTUCKY														
Cumberland Bone Builder	---	---	---	---	---	---	25.0	24.0	5.0	4.9	----	20.0	23.2	
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO														
Tuxedo Big Forty Hog Supplement	40.0	40.9	2.5	2.8	7.0	6.2	4.0	3.9	1.3	1.5	.0033	1.0	1.5	

Protein and Mineral Feeds and Mineral Feeds

Quarterly Report on Feed Samples, 1955

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE														
** Famous 36% Layer Concentrate	36.0	42.6	2.5	2.4	6.0	7.4	2.2	1.7	.8	1.1	.0025	1.0	1.0	1.0**
FARMERS FRIEND MINERAL CO., NAPOLEON, OHIO														
Farmers Friend Livestock Mineral	----	----	----	----	----	---	23.0	22.8	2.0	1.8	.003	10.0	10.0	7.0
Farmers Friend Livestock Mineral	----	----	----	----	----	---	23.0	25.1	2.0	2.8	.003	10.0	10.0	9.1
THE FARM MINERAL CO., INC., INDIANAPOLIS, INDIANA														
"Blue Cross Brand" Livestock Mineral	----	----	----	----	----	---	21.0	25.2	4.0	3.9	.003	6.0	6.0	5.8
EDWARD F. GOEKE SONS, EVANSVILLE, INDIANA														
** Geoke's Mineral Feed	----	----	----	----	----	---	29.0	20.2	2.0	4.1	.007	10.0	10.0	10.0**
GOOD-LIFE CHEMICALS, INC., EFFINGHAM, ILLINOIS														
** Good-Life Trace Mineral for Mixed Feeds	----	----	----	----	----	---	21.0	20.2	----	---	.2	----	----	----**
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS														
** Pioneer Beef Cattle A Contained Oat Hulls & Corn Screenings 6.30% Excess non-protein nitrogen from urea	32.0	36.9	3.0	1.3	8.0	6.7	2.0	3.7	1.0	1.3	.006	1.5	1.5	1.7**
DR. HEINZ CO., INC., WASHINGTON C. H., OHIO														
Heinz Nu-Way Special Pig & Sow Supplement	34.0	36.0	2.5	3.0	6.5	6.5	3.0	3.0	1.0	1.1	.001	1.0	1.0	1.4
McMILLEN FEED MILLS, FORT WAYNE, INDIANA														
Nicarbazin & 3-Nitro-4-Hydro Mix in Master Mix Hi-Calorie Broiler Concentrate	44.0	44.4	4.5	5.5	2.6	2.5	2.5	2.6	1.5	1.3	.0005	1.5	1.5	.7

## Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
McMILLEN FEED MILLS, FORT WAYNE, INDIANA (Con't)														
** 44% Dairy Supplement	44.0	44.9	1.0	1.4	8.0	6.2	3.8	4.4	1.1	1.5	.0004	---	3.4	5.1**
Master Blend Dairy Concentrate	33.0	33.5	.5	1.3	9.0	8.2	2.8	2.9	.9	1.0	.0003	---	2.5	2.2
Master Blend Dairy Concentrate	33.0	34.2	.5	1.5	9.0	8.1	2.8	3.4	.9	1.1	.0003	---	2.5	2.7
** Diethylstilbestrol Mix in Master Mix 32% Cattle Supplement	32.0	30.2	2.0	2.0	10.0	7.4	3.0	4.1	1.2	1.5	.0003	---	2.7	3.7**
Master Mix 40% Hog Pasturate	40.0	41.0	1.0	2.7	6.0	5.2	4.3	4.4	1.4	1.4	.0004	---	2.3	1.8
Master Mix 40% Hog Pasturate	40.0	40.9	1.0	2.0	6.0	5.2	4.3	4.1	1.4	1.4	.0004	---	2.3	2.3
Master Mix Sow Concentrate	34.0	34.1	1.5	2.0	9.0	8.7	4.8	6.0	1.4	1.3	.0005	---	1.8	1.8
MAJOR-BURRES SEED COMPANY, WILKINSON, INDIANA														
Feeder's Choice Mineral Compound	---	---	---	---	---	---	21.0	25.6	4.0	4.5	.006	---	6.0	5.0
MINERAL PRODUCTS COMPANY, INDIANAPOLIS, INDIANA														
3-Way All Purpose Mineral	---	---	---	---	---	---	23.0	25.6	3.0	3.1	---	---	11.0	10.0
MOORMAN MFG. COMPANY, QUINCY, ILLINOIS														
Moorman's Mintrate for Dairy Cows	42.0	43.0	2.0	2.6	8.5	7.0	3.5	3.0	1.2	1.3	.0015	---	---	---
Moorman's .0022% Diethylstilbestrol Mix Inc. in Moorman's Mintrate for Fattening Cattle	45.0	46.6	2.0	2.3	7.5	6.8	3.5	2.3	1.0	1.1	.0025	---	2.9	1.6
Moorman's Mintrate 45 (For Hogs)	45.0	46.0	3.0	4.2	4.0	3.7	7.5	8.6	2.1	2.7	.005	---	2.2	1.7
OELWEIN CHEMICAL COMPANY, OELWEIN, IOWA														
Occo Mineral & Vitamin Supplement for Beef Cattle	---	---	---	---	---	---	20.0	23.2	4.5	5.4	.01	---	8.0	5.4
** Occo-Lak Brand Mineral Feed with Yeast Culture	4.4	4.7	1.1	.8	2.7	7.2	21.2	18.5	.8	1.1	.001	---	11.0	9.5**
Very much above guarantee in fiber														
PILLSBURY MILLS, INC., CLINTON, IOWA														
Pillsbury's Best 32% Dairy Concentrate	32.0	31.8	2.0	2.0	8.0	6.7	3.0	3.0	1.0	1.1	.0004	---	1.7	1.7

Quarterly Report on Feed Samples, 1955

Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found	Guar.	Found
<b>PILLSBURY MILLS, INC., CLINTON, IOWA (Con't)</b>														
Pillsbury's Best 32% Dairy Concentrate	32.0	32.5	2.0	1.9	8.0	6.2	2.6	2.7	1.0	1.2	.0004	---	1.7	2.5
Pillsbury's Best 24% Dairy Feed	24.0	26.0	2.5	2.7	8.5	6.1	1.4	1.5	.7	.9	.0002	---	1.5	1.7
Pillsbury's Best 24% Dairy Feed	24.0	26.7	2.5	2.3	8.5	5.5	1.4	2.1	.7	1.1	.0002	---	1.7	2.0
Pillsbury's Best 24% Dairy Feed	24.0	26.7	2.5	2.4	8.5	6.3	1.4	1.8	.7	1.0	.0002	---	1.5	1.7
<b>PURCELL SEED COMPANY, INC., EVANSVILLE, INDIANA</b>														
"Purcell's" All-Purpose Mineral Mixture	----	----	----	---	---	---	30.0	31.2	1.5	1.2	.06	----	10.0	9.5
<b>THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS</b>														
Ful-O-Pep Hog Drylot Supplement	36.0	35.7	3.0	3.4	10.0	7.2	2.9	2.8	1.1	.9	.0001	----	1.8	1.0
<b>RALSTON PURINA COMPANY, ST. LOUIS, MISSOURI</b>														
Purina Livestock Mineral	----	----	----	---	---	---	15.0	16.6	6.0	7.0	.007	----	40.0	34.4
Purina Livestock Mineral	----	----	----	---	---	---	15.0	17.5	6.0	7.0	.007	----	40.0	33.8
Purina Chicken Chowder	36.0	36.4	2.5	4.2	9.0	6.3	5.5	6.0	2.0	2.4	.0004	----	3.0	2.5
Purina Hog Chow Supplement	36.0	40.2	2.0	3.0	10.0	7.2	5.0	3.6	1.8	2.0	.0003	----	2.5	.7
Purina Cow Chow Concentrate	32.0	26.4	1.5	2.0	9.0	6.4	3.5	1.7	1.0	.9	.00035	----	2.5	.6
Purina Cow Chow Concentrate	32.0	34.9	1.5	2.0	9.0	6.2	3.5	3.0	1.0	1.2	.00035	----	2.5	1.4
Purina Cow Chow Concentrate	32.0	34.8	1.5	1.8	9.0	5.2	2.5	2.6	1.0	1.3	.00035	----	2.5	2.4
Purina Cow Chow Supplement	24.0	28.8	2.5	1.9	11.0	6.0	1.5	1.5	.9	1.0	.00035	----	2.3	2.8**
Purina D & F Chow Supplement	13.0	17.6	2.0	3.1	10.0	8.0	3.5	2.4	1.2	1.1	.00035	----	2.5	2.1
Purina Hog Chow Supplement (For Pasture)	40.0	40.4	2.5	3.0	8.0	5.5	4.0	4.2	1.8	2.0	.0003	----	2.5	2.3
Purina Sow & Pig Chow (Supplement)	32.0	33.7	2.5	2.3	9.0	6.6	3.0	3.8	1.6	1.7	.0003	----	1.5	1.6
<b>ROSS FEED COMPANY, MURRAY, KENTUCKY</b>														
** Standard Brand 40% Protein Hog Supplement	40.0	43.1	4.5	3.0	8.0	7.2	1.2	2.6	.2	1.4	.00035	----	1.0	1.9**





## REPORT OF OFFICIAL FEED SAMPLES ANALYSED

October, November, December, 1955

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>ALABAMA FLOUR MILLS, DECATUR, ALABAMA</b>						
Red Hat Laying Mash	20.0	21.0	3.5	3.3	7.0	5.4
<b>ALBANY MILLS, ALBANY, KENTUCKY</b>						
** Mixed Feed	11.5	12.7	3.0	<u>2.2</u>	5.5	3.7**
<b>ALBERS MILLING CO., LOS ANGELES, CALIFORNIA</b>						
"Manna Brand" 25% Protein Calf Feed	25.0	27.1	3.5	4.1	5.5	4.7
<b>ALBERS MILLING COMPANY, KANSAS CITY, MISSOURI</b>						
Friskies Dog Food	10.0	10.9	2.5	4.4	1.0	.5
<b>ALLIED MILLS, INC., CHICAGO, ILLINOIS</b>						
Nicarbazin Mixture incorporated in Wayne Starter & Grower	18.0	19.3	2.5	3.6	6.0	4.5
3-Nitro-4-Hydroxyphenylarsonic Acid & Nicarbazine Mixture inc. in Wayne Rocket Broiler Feed	20.0	22.3	3.0	3.4	4.0	3.2
3-Nitro-4-Hydroxyphenylarsonic Acid & Nicarbazine Mixture inc. in Wayne Rocket Broiler Feed	20.0	22.4	3.0	3.1	4.0	4.0
Wayne Egg Mash	20.0	22.6	3.0	3.2	5.5	5.3
Wayne Egg Mash	20.0	21.3	3.0	3.6	5.5	5.9
** Wayne 24% Dairy	24.0	<u>22.2</u>	2.5	3.5	8.0	7.1**
** Sugarine 16% Dairy	16.0	<u>17.2</u>	2.5	3.4	11.0	<u>11.7**</u>
** Sugarine 16% Dairy Contained Flax Plant By-product	16.0	18.0	2.5	3.5	11.0	<u>11.5**</u>
Sugarine 16% Dairy	16.0	21.4	2.5	4.0	11.0	10.9
** Sugarine 16% Dairy Contained Flax Plant By-product	16.0	17.7	2.5	2.4	11.0	<u>11.9**</u>
Wayne Cotton Belt Dairy	16.0	18.9	3.0	3.1	10.0	6.6
Wayne Tail Curler Rockets	20.0	21.7	6.0	7.4	1.5	1.1
<b>ANGLO SWEET FEED MILL, OWENSBORO, KENTUCKY</b>						
** "Ace Perfection Brand" 35% Protein Poultry & Turkey Mash Supplement	35.0	<u>33.0</u>	3.5	3.1	8.0	7.0**
Very much below guarantee in protein						
"All Perfection Brand" 16% Protein Dairy Feed	16.0	16.4	2.5	3.9	10.0	10.1
<b>ARCADY FARMS MILLING CO., CHICAGO, ILLINOIS</b>						
Arcady 30% Protein Game Bird Grower Pellets	30.0	30.0	4.0	4.5	7.0	6.1
Arcady 26% Protein Game Bird Grower	26.0	26.2	4.0	4.7	7.0	5.9
Arcady Wonderlas	5.0	6.3	1.0	.9	12.0	8.5

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY						
Aubrey's Nicarbazin Mix in Red						
"A" All Mash Starter & Grower Crumbles	20.0	22.9	3.5	3.9	7.0	5.6
Red "A" All Mash Starter & Grower Mash	20.0	21.5	3.5	3.7	7.0	5.9
Red "A" All Mash Starter & Grower Mash	20.0	22.5	3.5	3.8	7.0	4.9
Red "A" All Mash Starter & Grower Mash	20.0	22.8	3.5	3.4	7.0	5.3
Red "A" Breeder Crumbles	20.0	20.7	3.5	4.2	8.0	6.9
Red "A" Laying Mash	20.0	22.1	3.0	3.0	8.0	6.1
Red "A" Laying Mash	20.0	21.6	3.0	3.4	8.0	6.0
Red "A" Laying Mash	20.0	21.3	3.0	3.0	8.0	5.9
Red "A" 24% Protein Dairy Feed	24.0	26.6	3.0	4.7	10.0	8.3
Red "A" 24% Protein Dairy Feed	24.0	25.4	3.0	4.4	10.0	7.8
** "Supreme" 24% Protein Dairy Feed	24.0	<u>22.0</u>	3.0	3.7	10.0	6.3**
** "Supreme" 24% Protein Dairy Feed	24.0	<u>22.2</u>	3.0	4.2	10.0	7.6**
Red "A" 20% Protein Dairy Feed	20.0	<u>23.6</u>	3.0	4.7	10.0	8.2
Red "A" 18% Protein Dairy Feed	18.0	21.3	3.0	4.4	8.0	7.1
Red "A" 16 1/2% Dairy Feed	16.5	16.0	3.0	4.0	10.0	6.1
Red "A" 16 1/2% Dairy Feed	16.5	22.5	3.0	5.0	10.0	8.0
Red "A" 20% Cattle Cubes	20.0	21.1	3.0	4.0	10.0	7.5
Red "A" Special Horse Feed	9.0	10.3	3.0	3.8	8.0	4.4
Red "A" 18% Sow & Pig Feed	18.0	20.9	3.0	3.7	6.0	5.1
Red "A" 18% Sow & Pig Worming Feed	18.0	19.1	3.0	3.9	6.0	4.6
** Red "A" Wheat Grey Shorts with Ground Screenings	15.0	17.2	3.5	4.5	6.0	<u>7.2**</u>
Contained mixed screenings						
** Red "A" Wheat Grey Shorts with Ground Screenings	15.0	17.6	3.5	4.7	6.0	<u>6.9**</u>
Contained mixed screenings						
** Red "A" Wheat Grey Shorts with Ground Screenings	16.0	17.0	3.5	4.1	6.0	<u>7.2**</u>
Red "A" 60% Digester Tankage	60.0	60.4	6.0	10.7	2.5	2.3
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY						
Harrison's Nat-Ur-Way 24% Protein Dairy Feed	24.0	26.2	2.5	3.2	10.0	8.3
Harrison's Nat-Ur-Way 24% Protein Dairy Feed	24.0	23.9	2.5	2.5	10.0	8.1
Harrison's Nat-Ur-Way 18% Dairy Feed	18.0	22.1	3.5	3.1	10.0	6.6
** Harrison's Nat-Ur-Way 16% Protein Dairy Feed	16.0	16.8	3.5	<u>1.9</u>	10.0	8.7**
** Bulky Brand 16 1/2% Protein Dairy Feed	16.5	17.9	3.7	<u>1.9</u>	15.0	6.0**
** Bulky Brand 16 1/2% Protein Dairy Feed	16.5	18.7	3.7	<u>2.2</u>	15.0	8.0**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY (Con't)						
** Bulky Brand 16 1/2% Protein						
Dairy Feed	16.5	16.7	3.7	1.6	15.0	8.1**
Hominy Meal	9.0	8.6	6.0	5.9	8.0	5.9
BARDSTOWN MILLS, BARDSTOWN, KENTUCKY						
"Blue Ribbon" 20% Protein						
Laying Mash	20.0	21.4	2.5	4.6	8.0	6.7
BARTON DISTILLING CO., BARDSTOWN, KENTUCKY						
** Corn Distillers Dried Grains	25.5	<u>24.2</u>	7.0	8.4	13.0	10.4**
BAUGHMAN MILLING CO., STANFORD, KENTUCKY						
** "Banner Brand" 24% Protein						
Dairy Feed	24.0	<u>19.2</u>	4.0	<u>2.2</u>	10.0	8.5**
Very much below guarantee in protein						
** Big B Cattle Supplement	50.0	52.2	1.5	1.9	6.0	<u>8.2**</u>
Very much above guarantee in fiber						
** Banner Mixed Feed	11.0	13.7	3.5	5.8	11.0	6.1**
Contained mixed screenings						
THE BEARDSTOWN MILLS CO., BEARDSTOWN, ILLINOIS						
Critic Poultry Fattener	13.0	15.0	4.5	4.2	6.5	6.2
BI-COUNTY FARM BUREAU COOPERATIVE, ERLANGER, KENTUCKY						
** "Co-Op Milkmaker Brand" 32%						
Protein Dairy Feed	32.0	34.4	2.5	<u>1.9</u>	7.0	6.1**
** Co-Op Porkmaker Brand 16%						
Protein Hog Ration	16.0	16.8	3.0	4.5	6.0	<u>7.3**</u>
BIG FOUR MILLS, COVINGTON, KENTUCKY						
Big Four Laying Mash	20.0	22.4	3.0	3.6	7.0	6.8
** Big Four 24% Dairy Feed	24.0	24.2	3.0	<u>1.9</u>	12.0	8.4**
** Hi-Lo 24% Dairy Feed	24.0	<u>22.6</u>	2.5	<u>1.6</u>	12.0	12.3**
Contained mixed screenings						
** Hi-Lo 24% Dairy Feed	24.0	<u>21.3</u>	2.5	2.3	12.0	7.5**
Very much below guarantee in protein						
** Hi-Lo 24% Dairy Feed	24.0	25.2	2.5	<u>1.9</u>	12.0	10.2**
** Big Four Horse Feed	9.0	10.6	3.0	3.0	9.0	<u>10.6**</u>
Big Four 22% Brewers Dried Grains & Molasses	22.0	24.6	4.5	4.4	12.0	10.8
BLATCHFORD CALF MEAL COMPANY, WAUKEGAN, ILLINOIS						
Blatchford's Calf-Pab	25.0	24.9	3.5	3.8	2.0	1.3
BOYLE PACKING CO., INC., DANVILLE, KENTUCKY						
Pride of Boyle Tankage	45.0	44.6	15.0	19.1	3.0	2.3
** Pride of Boyle Tankage	45.0	<u>43.2</u>	15.0	21.0	3.0	2.9**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>BREMCO ALFALFA MILLS, INC., NEW BREMEN, OHIO</b>						
Medogreen Alfalfa Meal	17.0	16.5	1.5	2.4	27.0	26.9
Medogreen Alfalfa Meal	17.0	16.8	1.5	2.2	27.0	24.6
Bremco Alfalfa Meal	17.0	18.3	1.5	2.7	27.0	24.1
<b>BROCK BROTHERS GRAIN CO., MAYSVILLE, KENTUCKY</b>						
14% Dairy Feed (to be fed with high quality legume pasture, hay, or ensilage)	14.0	13.6	2.5	2.6	10.0	6.0
<b>BROWDER MILLING CO., FULTON, KENTUCKY</b>						
"Biddies Choice" 20% Laying Mash	20.0	20.6	3.0	3.8	7.5	5.9
Big 16% Dairy Feed	16.0	16.8	3.0	3.5	15.0	8.9
** 16% Protein Sweet Dairy Feed	16.0	17.6	3.0	4.1	15.0	8.9**
Contained oat mill by-product						
<b>BUHNER &amp; COMPANY, INC., LOUISVILLE, KENTUCKY</b>						
Happy Farmer 20% Protein Laying Mash (Crumbles)	20.0	21.7	2.5	4.1	8.0	6.9
Farm Joy 20% Protein Laying Mash	20.0	21.6	2.5	3.4	8.0	6.8
Happy Farmer 20% Dairy Feed	20.0	19.7	3.0	3.7	7.0	7.2
Magnolia 20% Dairy Feed	20.0	19.5	2.5	2.4	10.0	7.6
Magnolia 16 1/2% Dairy Feed	16.5	19.2	3.0	3.6	10.0	7.2
Happy Farmer 16% Dairy Feed	16.0	16.6	3.0	3.3	7.0	6.5
Happy Farmer 16% Dairy Feed	16.0	17.2	3.0	3.7	7.0	5.2
Happy Farmer Horse & Mule Feed	9.0	9.2	2.5	3.9	6.0	3.7
<b>BUNDY BROS. MILL CO., MEDORA, INDIANA</b>						
Monarch 18% Protein Laying Mash	18.0	18.4	4.0	4.2	7.0	5.0
Medora 19% Protein Pig & Sow Feed	19.0	20.1	4.0	3.9	6.0	6.3
<b>A. C. BUTTS &amp; SONS, FULTON, KENTUCKY</b>						
** Butt's Egg Mash	20.0	<u>19.4</u>	3.0	3.6	8.0	5.1**
** "Butts Special Brand" 16% Protein Dairy Feed	16.0	19.4	2.5	2.7	15.0	11.6**
Contained alfalfa stem meal						
<b>CADIZ MILLING CO., CADIZ, KENTUCKY</b>						
Sunbeam Wheat Grey Shorts & Screenings	14.0	14.4	3.0	2.6	6.0	3.6
** Sunbeam Wheat Grey Shorts & Screenings	14.0	17.6	3.0	4.0	6.0	6.2**
Contained mixed screenings						
Sunbeam Crushed Ear Corn	8.0	8.3	3.5	5.0	8.0	6.7
<b>CANEYVILLE ROLLER MILLS, CANEYVILLE, KENTUCKY</b>						
** Sweet Mix 16% Dairy Feed	16.0	<u>15.4</u>	2.5	2.1	15.0	9.1**

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE CINCINNATI GRAIN & HAY COMPANY, CINCINNATI, OHIO						
No-Better 16% Protein Sweet Dairy Feed	16.0	17.4	3.0	4.3	11.0	6.8
Brewers Dried Grains with Blackstrap Molasses	22.0	22.8	5.0	5.6	14.0	11.8
CLIFTY FALLS MILLS, INC., MADISON, INDIANA						
Clifty Falls 20% Protein Egg Mash	20.0	22.3	3.0	3.9	7.0	7.0
Clifty Falls 20% Protein Egg Mash	20.0	20.6	3.0	4.0	7.0	7.5
** Clifty Falls 20% Protein Egg Mash	20.0	21.1	3.0	4.1	7.0	7.9**
Clifty Falls Scratch Feed	9.0	9.6	3.0	3.8	5.0	2.6
Clifty Falls Scratch Feed	9.0	9.6	3.0	3.9	5.0	2.5
** Clifty Falls 24% Protein Cow Feed	24.0	25.3	2.5	1.2	10.0	8.3**
Clifty Falls 24% Protein Pusher Feed	24.0	25.4	2.5	3.0	10.0	5.2
Clifty Falls 20% Protein Cow Feed	20.0	21.3	2.5	2.6	10.0	5.8
Clifty Falls 24% Cow Feed	24.0	27.4	2.5	2.0	10.0	7.6
16% Protein Green Pasture Dairy Feed	16.0	14.1	2.5	1.7	10.0	9.8
16% Protein Green Pasture Dairy Feed	16.0	16.5	2.5	2.9	10.0	8.0
16% Protein Green Pastures Dairy Feed	16.0	17.0	2.5	2.4	10.0	8.5
** 16% Protein Green Pasture Dairy Feed	16.0	15.0	2.5	2.3	10.0	9.6**
Clifty Falls 16% Protein Pusher Feed	16.0	16.1	2.5	4.0	10.0	6.1
Clifty Falls 40% Protein Hog Supplement	40.0	43.0	2.5	2.6	7.0	6.6
Clifty Falls 14% Protein Hog Fattner	14.0	13.9	3.5	4.4	6.0	3.9
CAMPBELL'S FEED MILL, KEVIL, KENTUCKY						
41% Cottonseed Meal	41.0	40.9	3.0	2.7	13.0	11.5
CLINTON MILLING CO., CLINTON, KENTUCKY						
"None Better Brand" 18% Laying Mash	18.0	19.3	3.0	3.5	7.0	6.3
COLBY MILLING CO., COLBY, WISCONSIN						
** Colby Pulverized Mixed Feed Oats	11.0	11.5	3.5	4.4	14.0	16.6**
Very much above guarantee in fiber						
CLELL COLEMAN & SONS, BURGIN, KENTUCKY						
Coleman's Hog Fattener	14.0	14.7	4.0	4.8	6.5	5.6
Wheat Mixed Feed	14.0	13.6	4.0	3.9	9.0	5.2
** Big Blue Stock Feed	16.5	15.5	4.0	3.7	6.5	5.3**

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
COMMUNITY MILLS, BELTON, KENTUCKY						
Johnson's Growing Mash	17.0	17.5	2.5	3.6	8.0	6.8
Johnson's Egg Mash	20.0	20.0	2.5	3.7	7.0	6.3
Johnson's Scratch Feed	8.0	9.7	2.0	4.0	7.0	3.1
Johnson's Pig Feed	18.0	20.5	3.0	2.8	6.0	5.5
Johnson's Hog Feed	15.0	19.5	3.0	6.0	6.0	4.6
** Johnson's Wheat Mixed Feed	15.5	15.1	4.0	<u>3.4</u>	8.5	4.7**
COMMUNITY MILLING CO., IRVINGTON, KENTUCKY						
"Our Pride" 20% Dairy Feed	20.0	20.3	2.5	2.5	10.0	10.0
"None Such" 16% Dairy Feed	16.0	17.4	2.5	2.4	15.0	9.5
Soft Wheat Feed with Screenings	14.0	15.2	3.0	4.3	9.0	5.4
COOPERATIVE MILLS, INC., CINCINNATI, OHIO						
Starting & Growing Mash	20.0	20.9	3.0	5.7	6.0	5.5
Starting & Growing Mash	20.0	22.3	3.0	5.5	6.0	5.1
0.0125% Nicarbazin Mixture in Broiler Maker	22.0	21.9	3.0	5.6	5.0	5.4
0.0125% Nicarbazin Mixture in Broiler Maker	22.0	23.1	3.0	5.9	5.0	4.0
** 0.0125% Nicarbazin & Chlorotetracyc- Mixture in Broiler Maker	22.0	<u>21.4</u>	3.0	5.7	5.0	4.5**
.0125% Nicarbazin & Chlorotetracycline in Broiler Maker	22.0	23.4	3.0	5.6	5.0	4.5
0.0125% Nicarbazin & Chlorotetracyc- line Mixture in Broiler Maker	22.0	21.9	3.0	5.6	5.0	4.6
Broiler Maker Finisher	19.0	19.8	3.0	4.7	5.0	4.6
All Mash Laying Ration	16.0	17.1	2.5	5.9	6.0	4.7
Super Laying Mash	20.0	22.5	3.0	5.2	6.5	6.0
Super Laying Mash	20.0	20.4	3.0	5.0	6.5	5.9
Egg Maker	20.0	21.0	3.0	5.2	8.0	5.4
Super Breeding Mash	20.0	20.6	3.0	5.3	6.5	6.2
Super Breeding Mash	20.0	20.2	3.0	5.9	6.5	5.6
Caged Layer Ration (Crumbles)	18.0	19.6	2.5	5.5	6.5	5.0
Super Coarse Scratch	9.0	9.4	2.0	3.3	3.0	1.7
32% Dairy Supplement	32.0	33.5	2.5	2.4	11.0	10.9
32% Dairy Supplement	32.0	32.0	2.5	2.7	11.0	10.9
32% Dairy Supplement	32.0	33.8	2.5	2.6	11.0	9.1
32% Milk Maker	32.0	33.4	2.5	2.6	10.0	8.9
32% Milk Maker	32.0	34.5	2.5	2.7	10.0	8.3
24% Milk Maker	24.0	25.7	3.5	3.7	10.0	8.4
20% Milk Maker	20.0	22.6	3.5	4.5	10.0	8.8
20% Milk Maker	20.0	23.1	3.5	4.1	10.0	8.1
20% Milk Maker	20.0	21.4	3.5	3.9	10.0	8.8
20% Milk Maker	20.0	21.9	3.5	3.8	10.0	8.4
16% Milk Maker	16.0	17.6	3.5	4.5	10.0	8.3
16% Milk Maker	16.0	18.8	3.0	4.6	10.0	7.9
16% Pasture Dairy	16.0	19.9	3.0	4.3	11.0	10.1
16% Pasture Dairy	16.0	18.9	3.0	4.6	11.0	9.6
16% Pasture Dairy	16.0	19.2	3.0	4.1	11.0	9.1
16% Dari-Flo	16.0	16.1	3.5	4.2	10.0	7.3

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
COOPERATIVE MILLS INC., CINCINNATI, OHIO (Con't)						
16% Utility Dairy	16.0	17.2	3.0	3.4	15.0	12.9
Calf Developer	18.0	18.1	4.0	3.9	8.0	7.0
Calf Developer	18.0	21.5	4.0	4.0	8.0	7.2
Calf Developer	18.0	19.5	4.0	3.9	8.0	8.0
Sheep Feed	14.0	15.8	3.5	3.4	10.0	7.5
Sweet Stock Feed	11.0	12.1	3.0	3.6	9.0	5.7
Sweet Stock Feed	11.0	12.6	3.0	3.5	9.0	4.9
Sweet Stock Feed	11.0	11.1	3.0	3.7	9.0	5.7
20% Sow & Pig Feed	20.0	21.4	3.5	6.5	6.0	4.8
20% Sow & Pig Feed	20.0	22.4	3.5	6.2	6.0	5.4
20% Sow & Pig Feed	20.0	20.1	3.5	6.7	6.0	4.8
Pig Starter	18.0	19.3	4.0	5.0	4.5	3.9
15% Pork Maker	15.0	16.1	3.5	6.3	8.0	4.5
CRESCENT ROLLER MILLS CO., TAYLORSVILLE, KENTUCKY						
** Crescent 24% Protein Dairy Feed	24.0	24.0	3.0	3.4	10.0	6.0**
Contained weed seeds and corn cobs						
** Crescent Stock Feed	14.0	13.4	3.0	4.8	6.0	3.2**
Crescent Stock Feed	14.0	13.5	3.0	5.1	6.0	4.5
** Crescent Stock Feed	14.0	13.3	3.0	4.6	6.0	4.2**
DARLING & CO., CINCINNATI, OHIO						
Darlings Meat Scrap & Bone	50.0	52.7	3.0	4.4	3.0	3.2
DEARBORN MILLS, AURORA, INDIANA						
Dearborn 20% Layer	20.0	20.6	3.0	3.8	5.5	5.4
"Success Brand" 20% Laying Mash	20.0	20.2	3.0	4.8	8.0	6.8
"Success Brand" 20% Laying Mash Crumbles	20.0	20.4	3.0	4.3	8.0	7.1
Dearborn 16% Dairy Feed	16.0	18.9	2.5	3.8	15.0	9.3
Dearborn 16% Dairy Feed	16.0	16.9	2.5	4.2	15.0	9.7
DECATUR COTTON OIL CO., DECATUR, ALABAMA						
** 41% Protein Cottonseed Meal	41.0	40.3	3.5	6.5	13.0	13.2**
DIXIE MILLS COMPANY, EAST ST. LOUIS, ILLINOIS						
** Dixie Sweet Dairy	10.0	12.8	2.0	1.4	15.0	11.6**
DUNCAN'S FARM SERVICE, LAWRENCEBURG, KENTUCKY						
Check-R-Mix Laying Mash	18.0	18.2	3.0	4.5	5.0	3.8
** Check-R-Mix Sow & Pig Feed E	16.0	14.2	3.0	3.9	6.0	3.4**
DUNCAN-HUGHES & COMPANY, LAGRANGE, KENTUCKY						
Dairymaid 24% Protein Dairy Feed	24.0	26.8	3.5	3.6	11.0	7.9
DYERSBURG OIL MILL COMPANY, DYERSBURG, TENNESSEE						
Star Brand 41% Protein Cottonseed Meal	41.0	41.4	3.0	4.0	14.0	9.9
Star Brand 41% Protein Cottonseed Meal	41.0	40.9	3.0	4.3	14.0	9.6

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE EARLY & DANIEL COMPANY, CINCINNATI, OHIO						
** .0055% Nitrofurazone in Tuxedo						
Starter & Grower All Mash	17.5	<u>16.3</u>	3.0	6.6	6.5	5.0**
** Tuxedo Breeder Mash	20.0	<u>18.7</u>	3.0	5.9	7.5	6.0**
** Tuxedo Egg Mash	20.0	<u>19.1</u>	3.0	4.4	8.0	<u>8.6**</u>
** Tuxedo Egg Mash	20.0	<u>18.4</u>	3.0	4.2	8.0	<u>8.0**</u>
Tuxedo Special Egg Mash	20.0	<u>19.8</u>	3.0	3.9	8.0	8.0
Tuxedo Special Egg Mash	20.0	19.9	3.0	3.6	8.0	7.8
** Tuxedo Special Egg Mash	20.0	20.6	3.0	3.2	8.0	<u>8.8**</u>
Tuxedo Special Egg Mash	20.0	19.6	3.0	3.7	8.0	<u>8.3</u>
Tuxedo Complete Egg Ration (Pellets)	16.0	18.0	3.0	4.0	7.0	7.0
Tuxedo Scratch	9.0	10.3	2.5	2.8	4.0	3.1
** Tuxedo 33% Dairy Supplement 1.85% excess non-protein nitrogen from urea	33.0	35.7	2.0	3.0	8.5	7.2**
** Tuxedo 33% Dairy Supplement 1.85% excess non-protein nitrogen from urea	33.0	36.2	2.0	2.2	8.5	7.7**
Tuxedo 33% Dairy Supplement	33.0	33.7	2.0	2.8	8.5	7.1
Tuxedo 24% Dairy	24.0	23.9	3.0	3.3	10.0	9.6
** Tuxedo 24% Dairy	24.0	<u>22.1</u>	3.0	3.5	10.0	8.6**
** Tuxedo Special 24% Dairy	24.0	<u>23.4</u>	3.0	3.5	12.0	10.5**
** Tuxedo Special 24% Dairy	24.0	<u>25.2</u>	3.0	<u>2.3</u>	12.0	10.5**
Tuxedo Special 24% Dairy	24.0	23.7	3.0	2.5	12.0	10.3
Tuxedo 20% Dairy	20.0	19.5	3.0	3.1	9.5	8.2
Tuxedo 20% Dairy	20.0	20.0	3.0	3.4	9.5	8.2
Tuxedo 18% Dairy	18.0	18.2	3.0	3.6	10.0	8.1
Tuxedo 18% Dairy	18.0	18.4	3.0	3.2	10.0	7.9
Tuxedo Special 16% Dairy	16.0	15.7	2.5	3.2	15.0	10.3
Tux-Sweet Rolls	9.0	9.9	1.5	1.5	10.0	6.6
THE F. L. EMMERT COMPANY, CINCINNATI, OHIO						
Molasso-Malt	22.0	22.1	5.0	5.9	12.0	10.4
EMMART PACKING CO., LOUISVILLE, KENTUCKY						
Emmart's 60% Digester Tankage	60.0	60.5	6.0	8.7	3.0	2.1
EMPIRE DISTRIBUTING CO., ST. LOUIS, MISSOURI						
** Empire Dog Food	8.0	8.1	2.0	<u>.6</u>	1.5	.9**
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA						
Red Rose Starter & Grower	18.0	21.6	3.5	3.7	6.5	5.0
Red Rose Laying Mash	20.0	20.0	3.5	3.2	5.5	4.4
Kentucky Challenge 24% Protein Dairy Feed	24.0	25.9	2.5	2.9	15.0	10.6
Red Rose 20% Dairy Feed	20.0	21.1	3.0	3.4	9.5	8.0
** Red Rose Hog Meal	16.0	17.9	3.5	3.9	8.0	6.6**
Contained mixed screenings Red Rose Hog Meal	16.0	17.1	3.5	3.7	8.0	6.4

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



MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
EWING MILL CO., EWING, INDIANA						
Robertson's Wheat Mixed Feed & Screenings	14.5	14.7	3.5	3.3	9.5	5.7
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE						
Famous Brand 40% Hog Supplement (Pellets)	40.0	40.5	2.5	4.5	7.0	4.7
Famous 32% Sow & Pig Supplement	32.0	35.8	2.5	5.0	9.0	6.6
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY						
Feeders Friend Starter & Grower Nicarbazin & Arsanilic Acid Mixture in Feeders Friend H.E. Broiler Ration	18.0	19.8	2.5	4.0	6.0	4.5
Nicarbazin & Arsanilic Acid Mixture in Feeders Friend 18% Broiler Finisher	21.0	23.8	2.5	3.4	5.5	2.8
Feeders Friend 40% Hog Supplement	18.0	20.2	2.5	3.7	5.5	2.9
Feeders Friend Porkmaker	40.0	40.0	2.5	5.1	8.0	6.8
	12.0	16.5	3.0	3.0	5.0	3.2
FARMERS FEED MILL, LEXINGTON, KENTUCKY						
** Farmers Best Friend 20% Protein Laying Mash	20.0	22.9	3.5	4.3	7.0	<u>7.9**</u>
FARMERS FEED STORE, CENTRAL CITY, KENTUCKY						
Veribest Brand 18% Pig & Sow Feed	18.0	18.0	3.0	3.1	6.0	5.3
FARMERS MILLING CO., SOMERSET, KENTUCKY						
Farmers 16% Mixed Feed	16.0	15.5	3.0	4.7	10.0	7.9
** Farmers 16% Mixed Feed	16.0	<u>15.0</u>	3.0	4.1	10.0	8.1**
FARMERS TANKAGE COMPANY, HENDERSON, KENTUCKY						
50% Meat & Bone Scraps	50.0	53.8	8.0	12.2	3.0	1.5
FARMERS UNION MILL, VERSAILLED, KENTUCKY						
Mixed Feed	13.0	13.5	4.5	6.1	8.5	5.9
J. H. FEDDERS, INC., COVINGTON, KENTUCKY						
Fedco 16% Dairy Feed	16.0	16.8	2.5	2.3	10.0	7.4
FERNCLIFF FEED & GRAIN CO., LOUISVILLE, KENTUCKY						
Cracker Jack 20% Egg Mash	20.0	21.8	2.5	3.7	8.0	5.6
Cracker Jack 20% Egg Mash	20.0	22.1	2.5	3.4	8.0	6.3
Cracker Jack Brand 24% Protein Sweet Dairy Feed	24.0	26.6	3.0	4.0	10.0	7.2
Ferncliff 20% Dairy Feed	20.0	25.9	2.5	3.5	11.0	9.4
Sweet 16% Dairy Feed	16.0	18.4	2.5	3.6	15.0	6.5
Sweet 16% Dairy Feed	16.0	17.3	2.5	3.8	15.0	6.5
Sweet 15% Dairy Feed	16.0	18.3	2.5	3.9	15.0	6.5

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
FERNCLIFF FEED & GRAIN COMPANY, LOUISVILLE, KENTUCKY (Con't)						
Cracker Jack Horse & Mule Feed	9.0	10.8	3.0	5.2	6.0	6.1
Cracker Jack Brand 40% Pig & Hog Supplement	40.0	43.3	2.0	2.8	8.0	5.7
Cracker Jack Brand 40% Pig & Hog Supplement	40.0	42.3	2.0	2.2	8.0	5.9
FOLSOMDALE MILLING CO., BOAZ, KENTUCKY						
Check-R-Mix 20% Laying Mash	20.0	21.3	2.5	3.5	7.5	5.1
Check-R-Mix Sow & Pig Feed BN	16.0	17.2	2.5	3.6	6.0	4.3
Check-R-Mix Hog Feed BV	14.0	16.0	2.5	4.0	8.0	4.6
HENRY FRUECHTENICHT COMPANY, LOUISVILLE, KENTUCKY						
Producer 36% Mash Concentrate	36.0	38.3	2.5	3.3	9.0	7.6
Producer 20% Egg Mash	20.0	22.4	3.0	4.4	7.0	6.7
Producer 20% Egg Mash	20.0	24.1	3.0	3.9	7.0	6.6
** Producer 33% Dairy Concentrate 3.04% excess non-protein nitrogen from urea	33.0	37.2	2.0	3.2	8.0	6.7**
Blue Grass 24% Dairy Feed (With Urea)	24.0	27.4	3.0	3.1	9.0	7.1
Producer 24% Dairy Feed	24.0	25.3	3.0	4.6	9.0	7.2
Producer 24% Dairy Feed	24.0	25.8	3.0	4.3	9.0	7.3
Producer 24% Dairy Feed	24.0	26.8	2.5	3.0	10.0	6.7
Producer Special 24% Dairy Feed	24.0	29.2	2.5	4.9	10.0	6.4
Producer Special 24% Dairy Feed	24.0	26.6	2.5	2.9	10.0	6.6
Blue Grass 20% Dairy Feed (With Urea)	20.0	23.0	3.0	3.2	9.0	7.6
Producer 20% Dairy Feed	20.0	22.8	3.0	3.7	9.0	6.6
Producer 20% Dairy Feed	20.0	22.2	3.0	4.3	9.0	7.8
Producer 20% Dairy Feed	20.0	24.2	3.0	4.9	9.0	7.2
Producer 18% Dairy Feed	18.0	21.0	3.0	3.9	9.0	6.8
Producer 16% Dairy Feed	16.0	21.3	2.5	4.2	9.0	6.3
Producer Special 16% Dairy Feed	16.0	17.2	2.5	3.3	14.0	12.3
Producer Special 16% Dairy Feed	16.0	17.4	2.5	4.4	14.0	11.0
Blue Grass 40% Pig & Hog Supplement	40.0	42.6	2.5	3.9	8.0	6.7
** Producer 40% Pig & Hog Supplement	40.0	38.0	2.5	4.8	8.0	7.1**
Blue Grass 18% Pig & Sow Feed	18.0	21.4	3.5	4.4	6.0	6.3
Producer 18% Pig & Sow Feed	18.0	21.5	3.5	5.0	6.0	6.4
Producer 18% Pig & Sow Feed	18.0	21.4	3.5	4.7	6.0	6.3
Producer 18% Pig & Sow Feed	18.0	21.6	3.5	4.9	6.0	6.3
Producer 18% Pig & Sow Feed	18.0	21.9	3.5	4.7	6.0	3.7
Wheat Gray Shorts & Screenings	14.0	15.3	3.5	3.9	6.0	5.3
FRUEN MILLING CO., MINNEAPOLIS, MINNESOTA						
Fruen's Mixers Pulverized White Oats	10.0	10.3	2.5	2.6	15.0	14.5

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
FUHRER-FORD MILLING CO., MT. VERNON, INDIANA						
Wheat Gray Shorts & Screenings	16.0	16.0	4.0	4.5	6.0	6.1
GARDEN STREET MILL & ELEVATOR, LOUISVILLE, KENTUCKY						
Garden 16% Protein Dairy Feed	16.0	18.0	3.0	2.5	15.0	14.6
Garden 16% Protein Dairy Feed	16.0	18.3	3.0	2.7	15.0	9.3
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA						
Larro Sureturk (Pelleted) for Finishing Turkeys	27.0	28.8	2.5	3.4	8.5	7.0
Nicarbazin with Arsonic Growth Stimulant in Surebroiler Starter	20.0	22.7	2.5	3.8	5.0	4.1
Larro Nicarbazine Mix in Surechick (Crumbled)	20.0	21.6	3.0	3.4	6.0	4.3
Larro Surelay Complete HE	16.0	16.4	2.5	3.4	5.5	4.5
Larro All Purpose Poultry Wormer, Nicotine .047% -Phenothiazine .47%	20.0	21.4	2.5	3.3	7.0	5.9
Larro Suremilk 32%	32.0	34.5	1.5	1.3	11.0	5.7
Larro Suremilk 20%	20.0	22.6	2.7	3.1	9.5	8.8
Larro Suremilk 16%	16.0	19.2	2.7	2.8	9.5	7.4
Larro Surecalf Starter for Dairy Cows	20.0	21.7	2.5	3.5	9.0	7.3
Larro Surepork Complete All Purpose Hog Feed	15.0	15.8	3.0	4.1	6.0	4.4
EDWARD F. GOEKE SONS, EVANSVILLE, INDIANA						
Gay-Kay 18% Protein Poultry Mash	18.0	19.6	3.0	3.9	7.0	5.5
** Gay-Kay 16% Dairy Feed	16.0	17.4	2.5	<u>1.8</u>	13.0	12.8**
** Gay-Kay Cattle Fattner	9.5	10.9	1.5	<u>.8</u>	21.0	19.4**
GREEN COUNTY MILLING COMPANY, GREENSBURG, KENTUCKY						
** Nitrophenide and Arsanilic Acid Mixture in Greenco Brand 22% Broiler Maker	22.0	<u>21.1</u>	2.5	3.5	4.5	3.7**
GREENUP MILLING COMPANY, GREENUP, KENTUCKY						
** Greenup Milling Company 16% Protein Dairy Feed	16.0	<u>15.4</u>	2.5	2.0	15.0	11.0**
GWINN BROS. & COMPANY, HUNTINGTON, WEST VIRGINIA						
** Gwinn's 20% Merit Lay Mash	20.0	<u>19.2</u>	3.0	2.9	8.0	6.0**
Gwinn's Grade A 24% Dairy Feed	24.0	24.1	3.0	3.6	10.0	8.5
Sweet Acre 24% Dairy Feed	24.0	24.3	2.5	2.0	15.0	13.6
Sweet Acre 24% Dairy Feed	24.0	26.5	2.5	2.5	15.0	12.5
** Banner 24% Dairy Feed	24.0	26.0	2.5	<u>1.9</u>	15.0	10.6**
Gwinn's Make Milk 20% Dairy Feed	20.0	19.7	3.0	3.3	10.0	8.5
Gwinn's 18% Pig & Hog Feed	18.0	18.4	3.0	3.7	6.0	5.2
Gwinn's Porkmaker	15.0	16.6	3.0	4.3	8.0	5.9

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>HALES &amp; HUNTER COMPANY, CHICAGO, ILLINOIS</b>						
0.015% Nicarbazin Mixture incorporated in Red Comb Growing Mash	18.0	19.0	3.0	4.2	7.0	5.2
0.0125% Nicarbazin Mixture incorporated in Red Comb Broiler Finisher	18.0	18.9	3.0	4.0	5.0	3.8
Red Comb Egg Mash	20.0	20.7	3.0	4.5	6.5	6.0
Red Comb Crate Fattener	13.0	15.3	3.0	2.9	7.0	7.0
Pioneer Beef Cattle 20%	20.0	21.3	3.5	4.2	12.0	8.3
<b>HANCOCK &amp; FRANKLIN MILLS, LOUISVILLE, KENTUCKY</b>						
** Arrow 18% Pig & Sow Feed	18.0	21.6	3.5	5.1	6.0	7.3**
<b>HARDY BROS. MILLS, WALTON, KENTUCKY</b>						
Master 20% Egg Mash	20.0	21.3	2.5	3.3	7.0	6.3
<b>THE P. H. HARSHA MILLING CO., PORTSMOUTH, OHIO</b>						
Harsha's Dixie Sweet Brand 16% Protein Dairy Feed	16.0	19.3	3.0	3.2	12.0	9.7
<b>G. M. HAYCRAFT &amp; SON, LEITCHFIELD, KENTUCKY</b>						
Haycraft's 20% Protein Dairy Feed	20.0	20.1	3.0	3.1	9.0	7.9
<b>HAYDEN MILL &amp; GRAIN COMPANY, SPRINGFIELD, KENTUCKY</b>						
Magic Super All Mash Laying Mash	16.0	18.2	2.5	4.3	8.0	4.0
Magic Super All Mash Laying Mash	16.0	18.4	2.5	4.0	8.0	4.2
Magic Brand 4-2-2 16% Sweet Dairy Feed	16.0	18.2	2.5	3.1	10.0	6.6
Magic Brand 14% Hog Fattener	14.0	17.2	3.0	5.9	7.0	5.5
<b>HEAVEN HILL DISTILLERS, INC., BARDSTOWN, KENTUCKY</b>						
Corn Distillers Dried Grains	27.0	27.6	8.0	8.2	10.0	9.7
Corn Distillers Dried Grains	26.0	28.5	8.0	8.0	14.0	7.8
<b>DR. HEINZ COMPANY, INC., WASHINGTON C. H., OHIO</b>						
Heinz Nu-Way Starter & Grower Ration	18.0	20.9	3.0	3.1	6.0	5.2
Heinz Nu-Way All Mash Laying Ration	18.0	20.7	3.0	3.9	7.0	5.4
Heinz Nu-Way 22% Sweet Flo Mixing Feed	22.0	23.2	2.5	2.8	8.5	7.8
<b>HENDERSON FEED &amp; COMMISSION COMPANY, HENDERSON, KENTUCKY</b>						
"Jim Dandy" Brand 18% Protein Ration (All Purpose All-Mash)	18.0	20.1	3.0	4.5	5.5	4.2

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HOME MILLING CO., GREENVILLE, KENTUCKY						
** Happy Home 16% Sweet Dairy Feed	16.0	16.6	2.5	1.7	15.0	11.6**
Contained mixed screenings						
** Happy Home 16% Sweet Dairy Feed	16.0	15.7	2.5	2.3	15.0	11.1**
Contained unground weed seeds						
Champion Cob & Molasses Mix	2.0	3.0	.2	.5	25.0	25.1
HOPKINSVILLE MILLING CO., HOPKINSVILLE, KENTUCKY						
"Sunflower Brand" Scratch Feed	9.0	9.7	3.0	2.9	5.0	1.8
Hominy Feed	10.0	10.5	7.0	8.5	8.0	4.9
IGLEHEART BROS. GENERAL FOODS CORP., EVANSVILLE, INDIANA						
Wheat Gray Shorts with Ground						
Wheat Screenings	14.0	15.1	3.5	4.2	6.0	4.2
(Low Protein) Wheat Gray Shorts						
with Ground Wheat Screenings	14.0	15.2	3.5	5.3	6.0	4.8
ILLINOIS SOY PRODUCTS CO., SPRINGFIELD, ILLINOIS						
43% Protein Expeller Soybean						
Oil Meal	43.0	44.7	4.0	4.5	7.0	5.8
41% Protein Expeller Soybean						
Oil Meal	41.0	44.8	4.0	4.1	7.0	5.4
JONES PACKING COMPANY, PADUCAH, KENTUCKY						
Jones' 45% Protein Tankage	45.0	45.2	10.0	18.5	4.0	3.5
Jones' 45% Protein Tankage	45.0	48.2	10.0	17.5	4.0	3.4
KASCO MILLS, TOLEDO, OHIO						
Kasco Hog Hussler	15.0	18.2	3.5	5.9	6.0	5.8
KECO MILLING COMPANY, McKENZIE, TENNESSEE						
Thrifty 16% Dairy	16.0	17.5	2.5	2.1	15.0	11.9
KELLER HAY & GRAIN COMPANY, NEWPORT, KENTUCKY						
Big K Pig & Sow Ration	16.0	16.6	3.5	4.9	6.0	6.4
KENTUCKY BY-PRODUCTS CORP., LOUISVILLE, KENTUCKY						
** Hi-Molass	6.0	4.7	.8	.4	8.0	6.6**
Dri-Molass	10.0	11.0	.8	1.9	8.0	8.3
F. W. KIBLER MILLING COMPANY, MT. ORAB, OHIO						
Kibler Brand 40% Protein Hog						
Supplement	40.0	40.6	3.0	3.1	8.0	6.3
KUTTAWA MILLING CO., KUTTAWA, KENTUCKY						
Wheat Feed	12.0	16.0	3.5	4.7	9.0	6.9
LAKE COUNTY OIL MILL, TIPTONVILLE, TENNESSEE						
** Prime 41% Cottonseed Meal	41.0	41.9	4.0	3.8	10.0	10.8**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
LEXINGTON ROLLER MILLS, INC., LEXINGTON, KENTUCKY						
"Thoroughbred" 20% Protein Egg Mash	20.0	22.9	4.0	4.0	8.0	6.3
Capitol Brand Scratch Feed	8.0	9.2	3.0	3.6	3.5	2.4
"Thoroughbred Brand" 24% Protein Sweet Dairy Feed	24.0	25.1	3.0	2.9	8.0	7.0
"Thoroughbred" 24% Protein Sweet Dairy Feed	24.0	25.9	3.0	2.9	8.0	7.2
"Thoroughbred Brand" 24% Protein Sweet Dairy Feed	24.0	24.4	3.0	4.0	8.0	7.9
"Sweet Sue" 24% Protein Sweet Dairy Feed	24.0	24.4	3.0	3.1	13.0	11.9
** "Sweet Sue" 24% Protein Sweet Dairy Feed	24.0	24.9	3.0	<u>1.8</u>	13.0	11.9**
** "Thoroughbred Brand" 20% Protein Sweet Dairy Feed	20.0	24.0	3.0	<u>2.4</u>	9.0	6.8**
"Thoroughbred Brand" 16% Protein Sweet Dairy Feed	16.0	19.3	3.0	3.2	10.0	7.7
"Sweet Sue" 16% Protein Sweet Dairy Feed	16.0	20.9	3.0	2.6	15.0	12.6
** "Sweet Sue" 16% Protein Sweet Dairy Feed	16.0	18.5	3.0	<u>2.2</u>	15.0	13.8**
Contained corn cobs						
"Bossie" Brand Stock Feed	13.0	12.7	3.0	4.4	11.0	7.9
"Bossie" Brand Stock Feed	13.0	13.7	3.0	3.8	11.0	7.8
"Thoroughbred Brand" 16% Pig & Hog Ration (Pellets)	16.0	23.2	3.0	2.8	6.0	6.0
** "Thoroughbred" Wheat Brown Shorts with Screenings	15.0	15.4	4.0	<u>3.4</u>	7.5	6.6**
LEWISBURG ROLLER MILLS, LEWISBURG, KENTUCKY						
"Coon Range Economy Brand" 20% Laying Mash	20.0	20.4	3.5	3.0	8.0	5.3
LOFTON'S MILL, PROVIDENCE, KENTUCKY						
"Farmers Sweet Brand" 24% Protein Dairy Feed	24.0	24.3	3.0	2.9	10.0	8.2
** "Lofton's Special Brand" 16% Protein Dairy Feed	16.0	20.4	3.5	<u>2.4</u>	13.0	8.7**
"Lofton's Beef Cattle Feed"	11.0	15.5	2.0	<u>2.0</u>	17.0	11.5
LOWE'S FEED & HATCHERY, BOWLING GREEN, KENTUCKY						
"Lowe's" 20% Broiler Mash	20.0	22.9	3.0	4.5	4.0	2.3
McMILLEN FEED MILLS, FORT WAYNE, INDIANA						
0.0175% Sulfaquinoxaline inc. in Complete Feed Base Master Mix Biofeed	20.0	21.2	3.0	3.5	4.0	4.0
Master Mix Sweet 16% Dairy	16.0	18.0	1.5	2.4	15.0	13.2

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
McMILLEN FEED MILLS, FORT WAYNE, INDIANA (Con't)						
Master Mix Beef Sweets	20.0	22.8	1.0	1.3	15.0	11.8
Master Mix Complete Calf Mix	17.5	19.1	3.0	3.9	8.0	6.8
MASTER FEED & SEED CO., LOUISVILLE, KENTUCKY						
Nicarbazin & 3-Nitro-4-Hydro Mix in Gilt Edge Hi-Calorie Broiler Finisher	19.5	23.2	4.0	5.0	2.6	2.1
MAYFIELD SWEET FEED MILL, MAYFIELD, KENTUCKY						
"State Leader" 18% Protein Laying Mash	18.0	18.4	3.0	4.3	7.0	5.0
MAYFLOWER MILLS, FORT WAYNE, INDIANA						
Mayflower Wheat Brown Middlings and Screenings	15.0	14.6	4.0	3.7	7.5	6.3
THE MENNEL MILLING CO., TOLEDO, OHIO						
Memo Wheat Flour Middlings	14.0	16.3	3.5	4.5	6.0	6.2
O. W. MEYER LABORATORIES, NAPOLEON, OHIO						
** Kandilass (Blackstrap Molasses, Processed & Dried with Citrus Meal, Corn Oil Meal, Cocoa and Cocoa Shell Meal)	9.0	13.9	1.0	2.8	11.0	<u>13.4**</u>
Very Much above guarantee in fiber						
MIDDLESBORO MILLING COMPANY, MIDDLESBORO, KENTUCKY						
"Reliable" 24% Dairy Feed	24.0	27.6	3.5	3.0	12.0	9.7
MILLIKEN SWEET FEED MILL, FRANKLIN, KENTUCKY						
** Milliken 28% Stock Supplement	28.0	36.1	2.5	<u>.7</u>	6.0	<u>9.0**</u>
Very much above guarantee in fiber						
MORGANTOWN FEED MILL, MORGANTOWN, KENTUCKY						
"Flavo Brand" 20% Protein Laying Mash	20.0	21.6	2.5	4.1	7.0	5.4
MUNFORDVILLE MILLING CO., MUNFORDVILLE, KENTUCKY						
Purity Brand 20% Protein Laying Mash	20.0	21.7	2.5	4.3	7.0	5.9
MURPHY GRAIN & MILLING COMPANY, OWENSBORO, KENTUCKY						
Airolite Hominy Feed	10.0	10.0	6.0	7.1	6.0	4.5
MYERS & CLARK CO. INC., ASHLAND, KENTUCKY						
Ideal Brand 20% Protein Laying Mash	20.0	21.2	3.0	4.8	8.0	6.4
Mi Choice Brand 18% Protein Laying Mash	18.0	18.9	3.0	4.4	8.0	5.8
32% Ideal Brand Dairy Feed	32.0	32.9	2.5	3.1	12.0	10.7

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
MYERS & CLARK COMPANY, INC., ASHLAND, KENTUCKY (Con't)						
** Myers Special 24% Dairy Feed 1.34% excess non-protein nitrogen from urea	24.0	29.2	2.5	3.1	12.0	11.6**
Ideal Pork Maker	14.0	14.9	3.0	4.3	8.0	6.9
NASHVILLE COTTON OIL MILL CORP., NASHVILLE, TENNESSEE						
41% Protein Solvent Extracted Cottonseed Meal	41.0	41.6	.5	5.4	14.0	11.5
41% Protein Solvent Extracted Cottonseed Meal	41.0	40.6	.5	2.3	14.0	12.3
44% Protein Solvent Extracted Soybean Oil Meal	44.0	45.6	.5	.6	7.0	6.5
NATIONAL BISCUIT COMPANY, TOLEDO, OHIO						
Namico Wheat Middlings with Ground Wheat Screenings	14.0	15.4	3.5	4.3	9.0	6.5
THE NEW ERA MILLING COMPANY, ARKANSAS CITY, KANSAS						
Polar Bear Wheat Gray Shorts with Screenings	16.0	16.4	4.0	4.4	6.0	5.7
** Polar Bear Wheat Gray Shorts with Screenings	16.0	<u>15.0</u>	4.0	3.8	6.0	5.1**
CHARLES NUNN & SONS MILLING CO., EVANSVILLE, INDIANA						
Nunn-Better Scratch Feed	8.0	10.1	3.0	2.5	2.5	2.0
Nunn-Better 40% Hog Supplement	40.0	42.5	1.0	2.9	8.5	5.6
Nunn-Better Wheat Bran	13.5	15.3	3.0	3.2	10.0	9.6
OWENSBORO GRAIN CO., INC., OWENSBORO, KENTUCKY						
Ograco 44% Protein Solvent Extracted Soybean Oil Meal	44.0	46.4	.5	1.3	7.0	5.3
OWENSBORO MILLING CO., OWENSBORO, KENTUCKY						
Sulfanilamide & 3-Nitro-4-Hydroxy- phenylarsonic Acid in TruTest 20% Broiler Mash	20.0	21.5	3.0	3.5	4.5	5.0
TruTest Laying Mash	20.0	20.9	2.5	4.2	7.0	4.9
TruTest 32% Dairy Supplement	32.0	34.0	2.0	2.7	7.5	6.1
TruTest 24% Dairy Feed	24.0	24.6	2.5	3.5	10.0	7.3
Star 16 1/2% Dairy Feed	16.5	18.1	2.5	2.4	10.0	5.8
** TruTest Calf Starter & Grower	19.5	<u>18.3</u>	2.5	4.1	8.5	6.3**
D & H Stock Feed	13.2	14.4	3.0	3.5	8.0	7.4
TruTest 40% Hog Supplement	40.0	42.2	3.0	4.1	8.0	6.0
TruTest Pig & Sow Concentrate	35.0	36.4	1.0	2.0	9.0	8.5
TruTest Dog Food	26.0	29.0	4.5	5.3	4.5	3.4
Wheat Mixed Feed & Screenings	14.0	14.7	3.0	4.2	7.0	6.4
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY						
** Mixed Feed	13.0	<u>11.8</u>	4.0	6.7	8.0	5.4**

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



MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
PEMBROKE ROLLER MILLS, PEMBROKE, KENTUCKY						
Mixed Feed	14.5	14.7	3.5	3.1	7.5	4.7
PET FOOD PACKERS, WASHINGTON C. H., OHIO						
Bounce Dog Food	10.0	10.9	2.0	1.9	1.5	1.2
PILLSBURY MILLS, INC., CLINTON, IOWA						
Arsanilic Acid Mixture incorporated in Pillsbury's Best Starter & Grower						
Pillsbury's Best Arsanilic Acid Mixture in 4 X Broiler Mash	18.0	18.1	3.0	3.8	7.0	6.1
Nitrofurazone Mixture with Arsonic growth stimulant incorporated in Pillsbury's Best 4 X Broiler Mash	20.0	21.4	3.0	3.5	5.0	3.8
Arsanilic Acid Mixture inc. in Pillsbury's Best 4 X Broiler Finisher	20.0	21.0	3.0	3.3	5.0	4.0
Pillsbury's Best Laying Mash	18.0	19.0	3.0	4.1	5.0	4.1
Pillsbury's Best Laying Mash	20.0	20.7	3.0	4.4	8.0	8.2
Pillsbury's Best Laying Mash	20.0	20.8	3.0	4.0	8.0	6.4
Pillsbury's Champion Egg Producer	20.0	21.1	3.0	3.2	8.0	7.0
Pillsbury's Champion Egg Producer	20.0	20.6	3.0	3.4	8.0	6.7
** Pillsbury Champion Egg Producer Contained mixed screenings	20.0	21.6	3.0	3.0	8.0	7.9**
** Pillsbury's Best 20% Dairy Feed	20.0	21.0	3.0	<u>2.0</u>	9.0	5.9**
Pillsbury's Best 20% Dairy Feed	20.0	22.4	3.0	3.7	9.0	6.5
** Pillsbury's Best 16% Dairy Feed	16.0	20.3	3.0	<u>2.4</u>	9.0	6.3**
Pillsbury's Best Calf Ration	19.0	18.8	2.5	2.2	8.0	6.1
Pillsbury's Best Arsanilic Acid Mixture inc. in Pillsbury's Best Pig Feast						
Pillsbury's Best Arsanilic Acid Mix in Pillsbury's Best Pig Feast	18.0	19.4	3.0	4.3	5.5	3.3
Pillsbury's Best Arsanilic Acid Mixture, Arsanilic Acid .01% in Pillsbury's Best Pig Feast	18.0	18.5	3.0	5.2	5.5	2.9
Pillsbury's Best Pig Feast	18.0	19.0	3.0	4.1	5.5	3.7
Pillsbury's Best Sow Ration	15.0	15.5	3.0	3.5	8.0	7.6
PRINCETON MILLS, PRINCETON, KENTUCKY						
** Chowmix Sow & Pig Feed Very much below guarantee in protein	16.0	<u>13.7</u>	3.0	5.3	6.0	2.9**
PURCELL SEED COMPANY, INC., EVANSVILLE, INDIANA						
** Purcell 20% Laying Mash	20.0	<u>19.3</u>	2.5	3.0	7.0	4.2**
Purcell's 18% Poultry Mash	18.0	<u>20.1</u>	3.0	2.8	5.0	4.2
Purcell's 18% Dairy Feed	18.0	18.8	3.5	3.2	10.5	7.1
Purcell's 15% Protein Complete Hog Fattener	15.0	17.3	3.0	3.1	5.0	3.8

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>THE QUAKER OATS COMPANY, CHICAGO, ILLINOIS</b>						
Nicarbazin Mixture & 3-Nitro Pellets	15.0	15.9	2.5	3.9	4.0	3.2
Ful-O-Pep Growing Mash	19.0	18.7	3.5	4.4	8.0	6.0
Ful-O-Pep 3-Nitro-Mixture in Ful-O-Pep Broiler Concentrate	38.0	38.7	2.0	3.4	7.0	6.1
Ful-O-Pep Egg Breeder Mash	20.0	20.2	3.5	4.9	8.0	7.4
Ful-O-Pep Milking Feed	16.0	17.2	2.5	2.4	9.0	7.3
<b>RALSTON PURINA CO., ST. LOUIS, MISSOURI</b>						
Purina Chick Growing Chow C	23.0	24.1	2.5	3.5	8.0	6.5
Purina Chick Growing Chow C .005% 3-Nitro-4-Hydroxyphenyl- larsonic Acid & Nicarbazine Mix in	23.0	23.6	2.5	3.8	8.0	5.8
Purina Broiler Chow Starter	22.0	23.6	4.5	5.4	5.0	4.4
3-Nitro-4-Hydroxyphenylarsonic Acid & Nicarbazine Mixture in Purina Broiler Chow Finisher	18.0	20.3	4.5	5.5	5.0	4.3
Purina Flock Chow R	18.0	20.6	2.5	4.1	7.0	5.7
Purina Lay Chow	20.0	21.4	2.5	4.4	6.5	5.6
Purina Cage Layena (Complete Ration)	16.0	17.2	3.0	4.9	5.5	4.8
Purina Layena (Complete Ration)	15.5	18.8	3.0	4.5	6.0	5.3
Purina Layena (Complete Ration)	15.5	17.5	3.0	4.6	6.0	4.2
Purina Layena (Complete Ration)	15.5	17.7	3.0	5.0	6.0	5.2
Purina Cage Layena (Complete Ration)	16.0	18.1	3.0	4.7	5.5	4.6
Purina Milk Chow	16.0	17.0	2.5	2.6	10.0	7.3
Purina Milk Chow	16.0	17.5	2.5	2.9	10.0	7.3
** Purina Milk Chow	16.0	15.4	2.5	2.6	10.0	7.5**
Purina Milk Chow	16.0	17.2	2.5	3.0	10.0	8.0
Purina Milk Chow R	16.0	17.5	2.5	3.1	10.0	6.7
Purina Dairy Chow R	16.0	18.5	2.5	2.2	15.0	8.2
Purina Bulky Las	10.0	11.0	1.5	1.2	15.0	12.5
Purina D & F Chow	12.5	13.9	2.5	3.3	12.0	8.3
Purina Range Checkers A (R) .0011% Diethylstilbestrol Mix in	20.0	21.1	2.5	2.6	8.0	6.5
Purina Special Steer Fatena	32.0	35.4	2.0	2.5	12.0	6.9
Purina Calf Startena	19.5	22.6	2.5	3.2	9.5	8.2
Purina Omolene	10.0	10.8	3.0	3.8	11.0	6.8
Purina Baby Pig Chow	18.0	18.2	4.0	6.2	3.0	2.3
Purina Pig Startena	18.0	19.6	4.0	5.0	6.0	4.2
Purina Pig Startena	18.0	18.7	4.0	5.2	6.0	4.2
Purina Complete Sow & Pig Chow	16.0	17.5	2.5	3.0	6.0	4.5
Purina Hog Fatena	14.0	16.7	2.5	3.4	7.0	4.3
<b>RAMSEY DEHYDRATING COMPANY, LAWRENCE, KANSAS</b>						
** Ramsey's Fine Ground Dehydrated Alfalfa Meal	17.0	15.6	1.5	2.6	27.0	21.4**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
RINGGOLD MILLING CO., CLARKSVILLE, TENNESSEE						
"High Standard Brand" Mixed Feed	13.0	14.6	3.0	3.6	8.0	4.5
ROBERTS BROTHERS, BURLINGTON, KENTUCKY						
"Unique Brand" 18% Protein Egg Mash	18.0	19.9	3.0	3.9	7.0	6.8
ROBINSON MILLING COMPANY, SOMERSET, KENTUCKY						
Sun-Ray 20% Egg Mash	20.0	20.2	3.5	3.8	7.0	5.9
** Happy Home 16% Dairy Feed	16.0	<u>15.3</u>	3.0	2.7	15.0	13.0**
Contained mixed screenings						
Happy Home 16% Sweet Dairy Feed	16.0	16.3	3.0	2.5	15.0	13.9
** Jersey Mixed Feed	13.0	13.9	4.5	<u>3.7</u>	9.0	5.9**
ROOSTER MILLS COMPANY, DIVISION, PHILLIP R. PARK, INC., DUBUQUE, IOWA						
Manamar Foal Feed	14.0	16.4	3.0	3.7	12.0	9.4
RUSSELL MILLER MILLING CO, MINNEAPOLIS 1, MINNESOTA						
Occident Layer	20.0	20.6	2.5	4.3	7.5	5.6
Occident Sweet Sixteen Dairy Feed	16.0	16.9	2.5	2.7	9.0	8.4
SACRAMENTO FEED MILL, SACRAMENTO, KENTUCKY						
Ground Ear Corn & Shuck	7.0	8.3	3.0	3.5	11.0	5.8
SCHENK'S, VINCENNES, INDIANA						
Schenk's Dehydrated Alfalfa	17.0	19.7	1.5	3.0	27.0	26.1
SCIENTIFIC MILLING CO., EAST ST. LOUIS, ILLINOIS						
Scientific 16% Dairy Feed	16.0	16.9	3.0	3.4	14.0	11.1
THE SCOTT COUNTY MILLING CO., SIKESTON, MISSOURI						
Gristo Egg Crumbles	20.0	20.5	3.0	4.9	7.0	5.7
Gristo Gray Wheat Shorts	15.5	16.3	3.5	4.2	6.0	5.5
SIMPSON'S FEED MILL, COLUMBIA, KENTUCKY						
"Thrifty" 16% Dairy Feed	16.0	18.7	2.5	2.6	10.0	6.8
SLAUGHTERS MILLING CO, SLAUGHTERS, KENTUCKY						
Wheat Mixed Feed & Screenings	13.0	13.8	3.0	3.2	8.5	4.2
Mixed Feed	12.0	14.0	4.0	4.0	8.7	5.1
J. ALLEN SMITH & COMPANY, KNOXVILLE, TENNESSEE						
"Blue Belle" Stock Feed	13.5	15.7	3.5	3.9	8.5	7.3
WOODFORD SPEARS & SONS, PARIS, KENTUCKY						
Bourbon 18% Protein Dairy Feed	18.0	19.4	2.5	2.4	13.0	5.6

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

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>STURGIS MILLING CO., STURGIS, KENTUCKY</b>						
"Neva-Fail Brand" 32% Protein Dairy Supplement	32.0	34.7	3.5	3.3	10.0	7.8
<b>SUN RAY FEED MILLS, LEXINGTON, KENTUCKY</b>						
Booster 20% Laying Mash	20.0	20.7	3.5	3.1	7.0	5.0
Green Valley 24% Dairy Feed	24.0	26.1	2.5	3.0	10.0	9.8
Green Valley 24% Dairy Feed	24.0	27.3	2.5	3.0	10.0	9.1
Green Valley 16% Dairy Feed	16.0	19.3	2.5	3.2	10.0	9.4
Sugar Creek 16% Dairy Feed	16.0	19.0	2.5	2.8	10.0	7.3
Sun Ray Pig & Hog Ration	17.0	18.5	3.5	4.9	6.0	5.5
"Sun Ray" Cracked Corn	9.0	9.2	3.7	4.7	2.5	1.9
<b>SUNSHINE BISCUITS, INC., GRAFTON &amp; LONDONVILLE, OHIO</b>						
UMC Wheat Middlings (with screenings)	14.0	15.8	3.5	4.1	9.5	6.0
<b>SUPREME MILLS, GLASGOW, KENTUCKY</b>						
Supreme Brand H. E. 20% Protein Laying Mash	20.0	21.7	3.5	3.7	5.5	4.8
Supreme 45% Dairy Concentrate	45.0	46.2	2.0	2.5	9.0	6.1
Supreme 45% Dairy Concentrate	45.0	46.9	2.0	2.6	9.0	6.3
Feeders Pride 16% Protein Dairy Feed	16.0	15.8	2.5	2.4	15.0	14.7
** Premo Brand 40% Protein Hog Supplement	40.0	<u>38.3</u>	4.0	5.3	8.0	5.5**
Premo Brand Hominy Meal	9.0	<u>9.6</u>	5.0	4.6	7.0	5.6
<b>D. B. SUTHERLAND &amp; SONS, BLOOMFIELD, KENTUCKY</b>						
** Kentucky Star 24% Dairy Feed	24.0	<u>23.4</u>	3.0	3.3	10.0	7.5**
** Kentucky Star 24% Dairy Feed (With Urea)	24.0	<u>22.1</u>	3.0	3.1	10.0	8.3**
** Kentucky Star 20% Dairy Feed (With Urea)	20.0	<u>19.3</u>	3.0	3.4	15.0	8.5**
Kentucky Star B Brand Farm Feed	13.5	<u>14.9</u>	3.5	3.8	8.0	4.4
Kentucky Star Brand Farm Feed	13.5	15.5	3.5	3.6	8.0	5.6
<b>SWIFT &amp; COMPANY, CHICAGO, ILLINOIS</b>						
** Swift's 60% Protein Digester Tankage	60.0	<u>58.6</u>	5.0	10.9	3.0	1.9**
Swift's 60% Protein Digester Tankage	60.0	59.7	5.0	9.7	3.0	2.2
<b>TELL CITY FLOURING MILLS, TELL CITY, INDIANA</b>						
Hoosier Poultry Scratch Feed	9.0	9.4	3.0	3.8	6.0	2.9
<b>THOMERSON MILLING CO., GLASGOW, KENTUCKY</b>						
** Thomerson 16% Protein Dairy Feed 0.4% excess non-protein nitrogen from urea	16.0	18.7	3.5	3.6	10.0	5.7**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
<b>TILFORD &amp; WALTERS MILL, METROPOLIS, ILLINOIS</b>						
Di N Butyl Tin Dilaurate, Nicotine, Phenothiazine in Masco 17% Layer Ration	17.0	22.2	2.5	3.6	7.5	6.1
Masco 20% Laying Mash	20.0	19.5	2.5	4.3	8.0	4.2
** Masco 28% Pig & Sow Supplement	28.0	28.2	3.0	3.9	6.0	6.8**
<b>THE TOPEKA FLOUR MILLS CORPORATION, SALINA, KANSAS</b>						
"K-Y" Wheat Gray Shorts	17.0	17.1	4.0	4.2	6.0	4.4
<b>TRENTON COTTON OIL COMPANY, TRENTON, TENNESSEE</b>						
** Trenton Brand 41% Protein Cottonseed Meal	41.0	40.2	5.0	4.9	13.0	12.4**
Trenton Brand 41% Protein Cottonseed Meal	41.0	42.8	3.0	4.6	14.0	9.9
<b>UBIKO MILLING CO., CINCINNATI, OHIO</b>						
Oxytetracycline (Terramycin) Equivalent to Hydrochloride .025 grams Chlortetracycline (Aureomycin) equivalent to Hydro. .025 grams in Life Guard Lift	21.0	22.2	3.5	4.1	7.0	7.4
.005% 3-Nitro and .0125% Nicarbazin Mixture in Life Guard Hi-Proof Broiler Ration	21.0	23.7	3.5	4.8	4.5	4.5
** Life Guard 22% Layer	22.0	21.3	3.5	5.2	8.0	6.4**
Life Guard 22% Layer	22.0	21.9	3.5	4.3	8.0	7.2
Life Guard Egg & Breeder Mash	20.0	23.9	3.5	4.9	8.0	6.0
Sunbeam Laying Mash	20.0	21.9	3.0	4.1	8.0	8.2
Life Guard All-Mash Laying Ration	16.0	16.1	3.5	4.3	7.0	6.6
Special 18% Union Grains Life Guard Dairy Feed	18.0	19.3	2.5	3.5	12.0	8.3
<b>VALIER &amp; SPIES MILLING CO, ST. LOUIS, MISSOURI</b>						
Valier's Wheat Gray Shorts and Screenings	16.0	18.5	4.0	4.4	6.0	6.1
<b>VITALITY MILLS, CHICAGO, ILLINOIS</b>						
** Velvet 16% Dairy Feed Very much below guarantee in protein	16.0	12.9	2.5	2.6	9.0	7.2**
<b>WEISENBERGER SANITARY FLOUR MILLS, MIDWAY, KENTUCKY</b>						
Repeater 20% Laying Mash	20.0	19.5	3.0	3.3	7.5	3.9
<b>WEISHEIMER BROTHERS, COLUMBUS, OHIO</b>						
** Jewel Fancy Wheat Flour Middlings with Screenings	12.5	11.5	3.5	4.5	6.0	5.0**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
WEST KENTUCKY RENDERING CO., MAYFIELD, KENTUCKY						
** 45% Protein Tankage	45.0	45.2	8.0	5.1	3.0	<u>3.8</u>
GARDNER WHITE, PRINCETON, KENTUCKY						
Home Town Crushed Ear Corn and Shuck	7.0	7.4	3.0	2.8	11.0	6.8
WILLIAMSTOWN ROLLER MILL, WILLIAMSTOWN, KENTUCKY						
** Williamstown 18% Protein Dairy Feed	18.0	<u>16.2</u>	2.5	3.3	10.0	6.2**
** Williamstown 18% Protein Dairy Feed	18.0	<u>14.8</u>	2.5	2.6	10.0	6.0**
Very much below guarantee in protein. Misbranded						
WINGO FEED & SUPPLY, WINGO, KENTUCKY						
Wingo Special 18% Pig & Sow Feed	18.0	20.6	4.0	3.8	6.0	5.7
WISCONSIN MILLING COMPANY, MENOMINEE, WISCONSIN						
Standard Pulverized White Oats	10.5	11.9	3.0	2.7	13.0	12.1
YOUNG BROS. FEED STORE, LEWISPORT, KENTUCKY						
Chowmix Laying Feed (All Mash)	15.0	14.5	3.0	3.8	7.0	4.1
Chowmix Laying Feed (All Mash)	15.0	16.7	3.0	3.9	7.0	3.9
Chowmix Sow & Pig Feed	16.0	16.1	3.0	3.3	6.0	3.4
Chowmix Sow & Pig Feed	16.0	18.3	3.0	3.3	6.0	4.2

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

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