

Commercial Feeds in Kentucky,
1954

Including Report on Official Feed
Samples Analyzed

October - December, 1954



University of Kentucky
Agricultural Experiment Station
Lexington

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COMMERCIAL FEED IN KENTUCKY, 1954

The estimated tonnage of commercial feeds consumed in Kentucky during 1954 was 566,218 tons. This was 96,049 tons less than was consumed in 1953.

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		

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

In 1954, inspectors collected 3,360 samples of feed. Out of these samples 2,842 equaled guarantee or were within tolerance; 1919 equaled guarantee in every respect; 926 were within one half of one percent of guarantee; 265 were below guarantee in protein; 201 below guarantee in fat; 190 above guarantee in fiber; 99 adulterated; 177 misbranded; 137 above guarantee in urea; 14 below guarantee in calcium; 6 below guarantee in phosphorus.

The record of samples correctly labeled in 1954 was 78%. This was one percent over the record for 1953.

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%		

ESTIMATED TONNAGE OF SALES BY CLASS OF FEED, KENTUCKY, 1954

MIXED FEED	TONS	STRAIGHT MATERIALS	TONS
Calf Feed	3,307	Alfalfa Products	581
Cattle Feed	11,877	Animal Products	6,967
Dairy Feed	106,911	Barley Products	391
Dog & Cat Feed	12,012	Brewers Products	2,628
Horse & Mule Feed	11,590	Corn Products	40,772
Mineral Feed	3,624	Cottonseed Products	13,696
Pig & Hog Feed	48,095	Distillers Products	2,050
Poultry Mash	179,831	Linseed & Flax Products	417
Rabbit Feed	2,839	Molasses	2,764
Scratch Feed	19,205	Oat Products	1,408
Sheep Feed	985	Soybean Products	9,249
Stock Feed	13,423	Wheat Products	41,855
Turkey Mash	15,496	Miscellaneous Products	2,578
Miscellaneous Mixed Feed	11,678		
Total Mixed Feed	440,873	Total Straight Material	125,356

Total Mixed Feed	<u>440,873</u>
Total Straight Material	<u>125,356</u>
Grand Total	<u>566,229</u>

Quarterly Report on Feed Samples, 1954

COMPANIES ON "REPORTING" SYSTEM, APRIL 1, 1955, KENTUCKY

Allied Mills, Inc., 3400 Board of Trade Bldg., Chicago, Illinois
 American Crab Meat Co., Inc., P. O. Box 250, Boston 1, Massachusetts
 American Crab Meat Co., Inc., 80 Federal Street, Boston 10, Massachusetts
 Anderson Mills, Box 44, Russellville, Kentucky
 Apex Milling Company, 2002 West Central Avenue, 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
 Aubrey Feed Mills, Inc., 932 E. Chestnut Street, 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 Co., 60 E. 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 Street, Waukegan, Illinois
 Blenda Life Inc., Green Isle, Minnesota
 The Borden Company-Spec. Prods. Div., 350 Madison Avenue, New York 17, New York
 The Brode' Corporation, 1012 Falls Bldg., Box 700, Memphis, Tennessee
 Brown-Forman Distillers Corporation, P. O. Box 1080, Louisville 1, Kentucky
 Botkins Grain & Feed Co., Botkins, Ohio
 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, Veg. Oil Div., Minneapolis, Minnesota
 Carson Food Co., 701 Griggs St., Danville, Illinois
 Cashman's Leghorn Farm, Webster, Kentucky
 Clark Milling Company, 296 W. Water Street, Chillicothe, Ohio
 Clinton Foods, Inc. (Corn Processing Division) Clinton, Iowa
 Clinton Foods, Inc. (Florida Products Division) P. O. Box 247, Auburndale, Florida
 Clinton Milling Co., Inc. Clinton, Kentucky
 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 Company, P. O. Box 840, Minneapolis, Minnesota
 Consolidated Products Company, 119 N. Washington Avenue, Danville, Illinois
 Cooperative Mills, Inc., Box 13, Lockland Station, Cincinnati 15, Ohio

Dearborn Mills, 116 Bridgeway Street, Aurora, Indiana
 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 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, Ohio
 B. A. Eckhart Milling Co., 1300 Carroll Avenue, Chicago, Illinois
 Elam Grain Company, 4004 Duncan Avenue, St. Louis 10, Illinois
 The F. L. Emmert Co., 2002 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 Street, Louisville 4, Kentucky
General Foods Corporation, Gaines Div., 180 So. Dearborn Avenue, Kankakee, Illinois
General Foods Corporation, Igleheart Bros. Div. 1600 First Ave., Evansville 7, Indiana
General Mills, Inc., 400 Second Avenue South, Minneapolis 1, Minnesota
The Glidden Company, Chemurgy Division, 1160 W. 18th St., Indianapolis 7, Indiana
Goldenrod Oil Meal Sales Company, P. O. Box 152, Memphis 1, Tennessee
Goodrich Feed Mills, Division of Acme - Goodrich, Inc., Winchester, Indiana
Greenup Milling Company, Greenup, Kentucky
Greever's Incorporated, Chilhowie, Virginia

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

Illinois Cereal Mills, Inc., 616 South Jefferson Avenue, Paris, Illinois
International Salt Co., Inc., P. O. Box 511, Scranton, Pennsylvania

Kasco Mills, Inc., 2000 West Central Avenue, Toledo 6, Ohio
Keco Milling Company, McKenzie, Tennessee
Kellogg Company, Battle Creek, Michigan
Kentucky Chemical Industries, Inc., Cincinnati, Ohio
The Kennel Food Supply Co., Inc., 63 Mill Hill Terrace, Fairfield, Connecticut
H. C. Knoke and Company, 5728 West Roosevelt Road, Chicago 50, Illinois
L. B. Lovitt Co., 314 Cotton Exchange Bldg., Memphis, Tennessee
Limestone Products Corp., of America, 122 Main Street, Newton, New Jersey

Magic Feed Mills, Inc., Paoli, Indiana
Marblehead Lime Company, 300 W. Washington Street, 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
Memphis Molasses Terminal, Inc., 1315 No. Second Street, Memphis, Tennessee
O. W. Meyer Laboratories, 651 Filmore St., Napoleon, Ohio
McMillen Feed Mills, Div. of Central Soya Co. Inc., & Subsidiaries, Fort Wayne 2, Indiana
Mineral Products Co., Indianapolis, Indiana
Minute Maid Corporation, P. O. Drawer 202, Leesburg, Florida
Midwest Feeds, Cincinnati 15, Ohio
Model Mills, Jackson, Tennessee
John Morrell & Co., Ottumwa, Iowa
Moorman Mfg. Co., Quincy, Illinois
Morton Salt Company, 120 South LaSalle Street, Chicago 3, Illinois
Mowat, Wilson & Co., 18675 James Couzens Highway, Detroit 35, Michigan
Mutual Products Co., 509 North Fourth Street, Minneapolis 1, Minnesota

H. Nagel & Son, 2168 Spring Grove Ave., Cincinnati 14, Ohio
National Alfalfa Dehydrating & Milling Co., 101 South 4th Street, Box 890, Lamar, Colorado
National Biscuit Co., Toledo Mill, 2221 Front Street, Toledo 3, Ohio
National Distillers Products Corp., 120 Broadway, New York 5, New York
National Oats Company, 1931 Baugh Avenue, East St. Louis, Illinois
National Vitamin Products Co., 3401 Hiawatha Avenue, Minneapolis, Minnesota
The North American Trading & Import Co., 1429 Walnut St., Philadelphia 2, Pennsylvania
Nutrena Mills, Inc., 200 Grain Exchange, Minneapolis, Minnesota

Oelwein Chemical Co. Inc., Oelwein, Iowa
Orleans Candy Company, 431 South Dearborn Street, Chicago 5, Illinois
Owensboro Grain Co., Owensboro, Kentucky

Pacific Molasses Co., 215 Market St., San Francisco 5, California
Penick & Ford, Ltd., Inc., Cedar Rapids, Iowa
Pendleton County Mills, Falmouth, Kentucky
Perfection Foods Company, Battle Creek, Michigan
Pillsbury Mills, Inc., Feed & Soy Division, Clinton, Iowa
Pillsbury Mills, Inc., Pillsbury Bldg., Minneapolis, Minnesota
Pittsburgh Plate Glass Co., 118 Main St., Red Wing, Minnesota
Planters Manufacturing Company, Clarksdale, Mississippi
Proviso Feed & Concentrates, Div. of Ky. Chem. Industries, Inc., 5366 Este Ave., Cin. 32, Ohio
Publicker Industries Inc., 1429 Walnut Street, Philadelphia 2, Pennsylvania

The Quaker Oats Company, 345 Merchandise Mart, Chicago 54, Illinois

Ralston Purina Company, 835 South Eight Street, St. Louis, Missouri
Reynolds Molasses Co., Inc., 400 Davidson Street, Nashville, Tennessee
G. P. Rose & Company, Inc., 511-513 Second Ave. No., Nashville, Tennessee
Rush Co. Alfalfa Dehydrating Cooperative, Inc., Box 264, Rushville, Indiana
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

Schultz, Baujan & Co., Inc., Beardstown, Illinois
Scientific Milling Co., 10th & Walnut, E. St. Louis, Illinois
The Scott County Milling Company, Sikeston, Missouri
Joseph E. Seagram & Sons, Inc., Seventh Street Road, Louisville, Kentucky
Security Food Company, 521 S. 3rd. St., Minneapolis 15, Minnesota
Shellabargers, Salina, Kansas
The Sherwin-Williams Company, 101 Prospect Avenue, N. W., Cleveland, Ohio
The J. W. Small Co., Div. of Archer-Daniels-Midland Co., 1200 Oak St., Kansas City, Mo.
Southern Canning Sales, Inc., P. O. Box 728, Highlands, Texas
The Southern Cotton Oil Company, P. O. Box #313, Memphis, Tennessee
Southern Cotton Oil Co., P. O. Box 351, Sheffield, Alabama
Southern Products Co., Inc. P. O. Box 1812, Greenville, South Carolina
Spencer 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 St., Newark 5, New Jersey
A. E. Staley Manufacturing Company, 22nd & Eldorado Streets, Decatur, Illinois
Staley Milling Company, 1717 Armour Road, Kansas City 16, Missouri
Standard Feed Milling Co., Inc., 14th and L. & N. Hopkinsville, Kentucky
Suni-Citrus Products Company, P. O. Box 67, Haines City, Florida
Sunshine Feed Mills, 800 16th Avenue North, Nashville, Tennessee
Swift & Company, 4115 Packers Avenue, Chicago 9, Illinois
Swift & Company, Oil Mill, Cairo, Illinois
Swift & Company, Memphis, Tennessee

Tilford & Walters, P. O. Box 107, 108 West 3rd Street, 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. 7th St. Owensboro, Kentucky

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

Valier & Spies Mfg. 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
Vitality Mills, Inc., 141 W. Jackson Blvd., Chicago 4, Illinois
Vital Fresh Dog Food Corp., 540 Morgan Ave., Brooklyn 22, New York
Vitamineral Products Company, 1522 N. Adams Street, Peoria, Illinois
VyLactos Laboratories, Inc., 1901 East Euclid Avenue, Des Moines 13, Iowa

Watkins Wholesale Grocery Co., East Bernstadt, Kentucky
Western Condensing Company, P. O. Box 739, Appleton, Wisconsin

THE KENTUCKY FEED LAW

(Effective July 1, 1954)

Section 1

This Act shall be administered by the director of the Kentucky Agricultural Experiment Station of the State of Kentucky, hereinafter referred to as the "director".

Section 2

As used in this Act:

- (1) "Person" includes individual, partnership, corporation, firm, association, and agent;
- (2) "Distribute" means to offer for sale, sell, barter, or otherwise supply commercial feeds;
- (3) "Sell" or "sale" includes exchange;
- (4) "Commercial feed" means all materials which are distributed for use as feed for animals except unmixed or unprocessed whole seeds; unground hay; and whole or ground straw, stover, silage, cobs, and hulls when not mixed with other materials;
- (5) "Brand" means the term, design, or trademark and other specific designation under which an individual commercial feed is distributed in this Commonwealth;
- (6) "Label" means a display of written, printed, or graphic matter upon the container in which a commercial feed is distributed;
- (7) "Ton" means a net weight of two thousand pounds, avoirdupois;
- (8) "Percent" or "percentage" means percentage by weight;
- (9) "Official sample" means any sample of commercial feed taken by the director or his agent.

Section 3

- (1) Each brand of commercial feed shall be registered before being offered for sale, sold, or otherwise distributed in this Commonwealth. The application for registration shall be submitted to the director on forms furnished by the director, and if the director so requests shall also be accompanied by a proposed label or other printed matter describing the product. All registrations are considered permanent unless new registrations are called for by the director or modified by the applicant in accordance with the terms of this Act. The applications shall include the following information:
 - (a) the name and principal address of the person guaranteeing the commercial feed;
 - (b) the name or brand under which the commercial feed is to be sold;
 - (c) the guaranteed analysis, listing the minimum percentage of crude protein, minimum percentage of crude fat, and maximum percentage of crude fiber. For mineral feeds the list shall include the following, if added: Minimum and maximum percentage of calcium, minimum percentage of phosphorus, minimum percentage of iodine, and minimum and maximum percentage of salt. Other nutritional substances or elements, determinable by laboratory methods, may be guaranteed by permission of the director. Other such items shall be guaranteed and subject to inspection and analysis in accordance with the methods and regulations that may be prescribed by the director. Products sold solely as mineral or vitamin supplements, or both, and guaranteed as specified in this Act need not show guarantees for protein, fat and fiber.
 - (d) the common or usual English name of each ingredient used in the manufacture of the commercial feed.
- (2) A distributor shall not be required to register any brand of commercial feed which is

already registered under this Act by another person.

(3) Changes in the guarantee of either chemical or ingredient composition of a commercial feed may be permitted provided satisfactory evidence is submitted showing that such changes would not result in a lowering of the feeding value of the product for the purpose for which designed.

(4) The director is empowered to refuse registration of any application not in compliance with all provisions of this Act and to cancel any registration when it is subsequently found to be in violation of any provision of this Act or when he has satisfactory evidence that the registrant has used fraudulent or deceptive practices in attempted evasion of the provisions of this Act or regulations thereunder. No registration shall be refused or cancelled until the registrant shall have been given opportunity to be heard.

Section 4

(a) Any commercial feed offered for sale or sold or otherwise distributed in this Commonwealth in bags, barrels, or other containers shall have placed on or affixed to the container in written or printed form the net weight and the information required by paragraphs (a), (b), (c) and (d) of subsection (1) of Section 3 of this Act and in accordance with such regulations as may be adopted under Section 9 of this Act.

(b) If distributed in bulk, a written or printed statement of the net weight and the information required by paragraphs (a), (b), (c) and (d) of subsection (1) of Section 3 of this Act shall accompany delivery and be furnished to the purchaser.

Section 5

(1) There shall be paid to the director for all commercial feeds offered for sale, sold, or otherwise distributed in this Commonwealth an inspection fee at the rate of twenty cents per ton; provided, that sales of commercial feeds to manufacturers or exchanges between them are exempt if the commercial feeds so sold or exchanged are used solely in manufacture of feeds which are registered. When more than one person is involved in the distribution of a commercial feed, the person who distributes to the ultimate dealer or consumer is responsible for paying the inspection fee. Feeds so collected shall constitute a fund for the payment of the cost of inspection, sampling, and analysis, and other expenses necessary for the administration of this Act.

(2) The manufacturer or registrant shall affix an official tag or stamp to each package of commercial feed offered for sale, sold or otherwise distributed in this Commonwealth or, in the case of bulk commercial feed, by furnishing official tags, or stamps with the invoice for the tonnage involved. The official tags or stamps required under this Act shall be issued by the director and sold to distributors at the rate provided in subsection (1) of this section in forms and denominations to be established by regulation. Tags or stamps remaining in the possession of a distributor may be used in another season or redeemed by the director on application of the purchaser or his successor, provided that the purchaser or his successor submits the unused tags or stamps for redemption within one year from the date of issue and pays the cost of printing and handling on all tags or stamps submitted. It shall be unlawful to use tags or stamps more than once or to mutilate or alter the tag or stamp. On individual packages of five pounds or less, a distributor may pay an annual fee of twenty-five dollars for each brand of commercial feed offered for sale or sold, and such distributor shall not be required to affix official tags or stamps to such packages of the brands so registered. If the actual cost of printing and handling of official tags or stamps exceeds the tonnage fee represented, the director may charge for the total cost of such tags or stamps in addition to the tonnage fee.

(3) The director is authorized, at his discretion and under such rules and regulations as may be promulgated, to issue permits, on application therefor, to any person, firm or corporation; to ship, sell, or expose for sale in Kentucky commercial feed properly reg-

istered and labeled under Section 3, 4 and 5 of this Act, without the use or attachment of official tags or labels purchased from the director provided such person, firm or corporation, reports quarterly under oath to the director the tonnage of feed shipped or sold for consumption in Kentucky, and pays the tonnage inspection fee thereon at the same rate per ton, as stated in subsection (1) of Section 5. Such tonnage inspection fees must be paid on all registered commercial feed as defined in Section 2 of this Act whether sold for mixing purposes or not, except in cases where a mixer has given a specific written order for delivery of unmixed meal or unmixed feed for use as an ingredient of registered feeds. The tonnage inspection fees shall be due and payable within twenty days of the end of the quarters ending December 31, March 31, June 30, and September 30 of each year, and remittance therefor shall accompany and be attached to the tonnage report. The director or his authorized agents shall have the right at all reasonable times to examine the records of applicants to verify the statements of tonnage reports. Failure to make an accurate statement of tonnage or to pay the inspection fee or comply as provided herein shall constitute sufficient cause for the cancellation of all registrations on file for the distributor.

Section 6

No person shall distribute an adulterated commercial feed. A commercial feed shall be deemed to be adulterated:

- (1) If any poisonous, deleterious or non-nutritive ingredient has been added to sufficient amount to render it injurious to animal health.
- (2) If any valuable constituent has been in whole or part omitted or abstracted therefrom or any less valuable substance substituted therefor;
- (3) If its composition or quality falls below or differs from that which it is purported or is represented to possess by its labeling;
- (4) If it contains added hulls, screenings, straw, cobs, or other high fiber material unless the name of each such material is clearly and prominently stated on the label.

Section 7

No person shall distribute misbranded feed. A commercial feed shall be deemed to be misbranded:

- (1) If its labeling is false or misleading in any particular;
- (2) If it is distributed under the name of another feed;
- (3) If its container is not labeled as required in Section 4 of this Act and in regulations prescribed under this Act;
- (4) If it purports to be, or is represented as, a commercial feed for which a definition of identity and standard of quality has been prescribed by regulation unless it conforms to such definition and standard;
- (5) If any word, statement, or other information required by or under authority of this Act to appear on the label or labeling is not prominently placed thereon with such conspicuousness, as compared with other words, statements, designs, or devices, in the labeling, and in such terms as to render it likely to be read and understood by the ordinary individual under customary conditions of purchase and use;
- (6) If it purports to be or is represented for special dietary uses, unless its label bears such information concerning its vitamin, mineral, and other dietary properties as the director determines to be, and by regulations prescribes as, necessary in order fully to inform purchasers as to its value for such uses.

Section 8

- (1) It shall be the duty of the director, who may act through his authorized agent, to sample, inspect, make analysis of, and test commercial feeds distributed within this Commonwealth at such time and place and to such an extent as he deems necessary to determine whether such commercial feeds are in compliance with the provisions of this Act. The director, individually or through his agent, is authorized to enter upon any public or private premises during regular business hours in order to have access to commercial feeds subject to the provisions of this Act and the rules and regulations pertaining thereto.
- (2) The methods of sampling and analysis shall be those adopted by the director from sources such as the Journal of the Association of Official Agricultural Chemists.
- (3) The director, in determining for administrative purposes whether a commercial feed is deficient in any component, shall be guided solely by the official sample as defined in subsection (9) of Section 2 of this Act and obtained and analyzed as provided for in subsection (2) of Section 8 of this Act.
- (4) When the inspection and analysis of an official sample indicate a commercial feed has been adulterated or misbranded, the results of analysis shall be forwarded by the director to the distributor and the purchaser. Upon request, within thirty days, the director shall furnish to the registrant a portion of the sample concerned.

Section 9

The director is hereby charged with the enforcement of this Act, and after due publicity and due public hearing is empowered to promulgate and adopt such reasonable rules and regulations as may be necessary to carry into effect the full intent and meaning of this Act. The director is hereby empowered to adopt regulations establishing definitions and standards for commercial feeds and such other regulations as may be necessary for the enforcement of any provision of this Act.

Section 10

- (1) When the director or his authorized agent has reasonable cause to believe a commercial feed is being distributed in violation of any of the provisions of this Act, or of any of the regulations prescribed under this Act, he may issue and enforce a written or printed "withdrawal from sale" order warning the distributor not to dispose of the feed in any manner until written permission is given by the director or the court. The director shall release the commercial feed so withdrawn when the provisions and regulations have been complied with and all costs and expenses incurred in the withdrawal have been paid. If compliance is not obtained within thirty days, the director shall begin proceedings for condemnation.
- (2) Any lot of commercial feed not in compliance with the provisions of this Act shall be subject to seizure on complaint of the director to a court of competent jurisdiction in the county in which such commercial feed is located. In the event the court finds the said commercial feed to be in violation of this Act and orders the condemnation of said commercial feed, it shall be disposed of in any manner consistent with the quality of the commercial feed and the laws of the Commonwealth provided, that in no instance shall the disposition of said commercial feed be ordered by the court without first giving the claimant an opportunity to apply to the court for release of said commercial feed or for permission to process or re-label said commercial feed to bring it into compliance with this Act.

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Section 11

(1) Any person convicted of violating any of the provisions of this Act or the rules and regulations issued thereunder, or who impedes, obstructs, hinders, or otherwise prevents or attempts to prevent said director or his duly authorized agent from carrying out his duties in connection with the provisions of this Act, shall be guilty of a misdemeanor and shall be fined not less than twenty-five or more than one hundred dollars for the first violation, and not less than fifty nor more than five hundred dollars for each subsequent violation. In all prosecutions under this Act involving the composition of a lot of commercial feed, a certified copy of the official analysis signed by the director shall be accepted as prima facie evidence of the composition.

(2) Nothing in this Act shall be construed as requiring the director or his representative to report for prosecution or for the institution of seizure proceedings a minor violation of the Act, when he believes that the public interests will be best served by a suitable warning in writing.

(3) It shall be the duty of each county attorney to whom any violation is reported to cause appropriate proceedings to be instituted and prosecuted in a court of competent jurisdiction without delay. Before the director reports a violation for such prosecution, an opportunity shall be given the distributor to present his view to the director.

(4) The director is hereby authorized to apply for, and the court to grant, a temporary or permanent injunction restraining any person from violating or continuing to violate any of the provisions of this Act or any rule or regulation promulgated under the Act, notwithstanding the existence of other remedies at law. Said injunction shall be issued without bond.

Section 12

The director shall publish at least once each year, in such forms as he may deem proper, information concerning the sales of commercial feeds, together with such data on their production and use as he may consider advisable, and a report of the results of the analysis of official samples of commercial feeds sold within the Commonwealth as compared with the analysis guaranteed in the registration and on the label; provided, however, that the information concerning production and use of commercial feeds shall not disclose the operations of any person.

Section 13

All laws and parts of laws in conflict with or inconsistent with the provisions of this Act are hereby repealed.

Section 14

This Act shall become effective on July 1, 1954.

The Kentucky Feed Law

RULES, REGULATIONS AND STANDARDS

AES - F. D. - 1

Products Covered by "Processed". - The Kentucky Feed Law is interpreted as covering all processed feed materials such as rolled, clipped, ground, cracked, crimped, steel cut, and flaked products exclusive of ground straw, stover, silage, cobs and hulls.

Molasses is also included within the scope of the law.

AES - F. D. - 2

Brand Name. - The brand name of a feed shall clearly indicate the purpose for which the feed is intended.

The name of a brand must not tend to mislead the purchaser with respect to any quality of the feed. If the brand name indicates that the feed is made for a specific use, the character of the feed must conform therewith. A mixture labeled "dairy feed", for example, must be adapted for that purpose.

A brand name of non-medicated feed shall not be derived from one or more ingredients of a mixture. A distinctive name shall not be one representing any component of a mixture.

Medicated feeds should be labeled according to the requirements of the Federal Food, Drug and Cosmetic Act.

The percentage of protein must form part of the name in all high protein materials. Examples: 41% Protein Cottonseed Meal, 60% Protein Tankage. Where more than one special purpose feed is offered under the same brand name and for the same purpose, the protein guarantee must form a part of the brand name. Examples: "Excelsior Brand" 18% Dairy Feed, "Excelsior Brand" 20% Dairy Feed. Use of the word "protein" in such instances is optional. The words "Solvent Extracted" should appear in the brand name of a meal where such applies in the labeling of oil mill by-products.

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

With the exception of "scratch grains" and cattle roughage feeds, any feed containing less than 9% protein must be called by the name of its ingredients.

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

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

AES - F. D. - 3

Labeling. - Approval of the registration of a feed should be secured before printing labels. Labeling information should follow the order in printing recommended by the Association of American Feed Control Officials, namely:

Net weight
Name of feed
Name of manufacturer
Chemical guarantee
Ingredient listing

Labeling may be printed directly on paper bags so long as the information required in such labeling is in type of sufficient size to be legible.

A "yellow tag" is required on all feeds containing a material classified as "filler" or "of little or no feeding value" such as oat hulls, cob meal, clipped oat by-product, oat mill by-product, mixed screenings, etc.

Manufacturers on the reporting system manufacturing feeds in the "yellow tag" class must print labels on yellow tag stock for such feeds. The color of such tags should be the same or similar to that used on yellow tags supplied by the Department. (Samples supplied upon request). Such tags shall include the percentage of the filler material or materials along with the name of the specific material in the ingredient list.

Yellow tag feeds may be sold in paper bags on which the chemical guarantee and ingredient list is printed provided the chemical guarantee and ingredient list is over-printed on a yellow colored block extending well beyond the printed material.

An impression made by a rubber stamp indicating "pellets", "pelleted", "chick size", or other designation pertaining to the physical form of the product will be permitted on bags or on tags.

Each bulk sale shall be accompanied by an invoice giving the following information:

Name and address of guarantor
Invoice number
Date of sale
Name and address of purchaser
Name or brand under which feed is sold
Guaranteed analysis
Name of each ingredient
Net weight

If the company has a tag describing the feed sold in bulk, attachment of one of these tags to the invoice will be construed as a guarantee of chemical content and ingredients.

An invoice containing the following information shall accompany each shipment or sale of Mixed-to-Order Feeds.

Name and address of mixer
Invoice number
Date of sale
Name and address of purchaser
Description of mixture clearly showing:

Amounts, supplied by customer, if such be used
Amounts, kinds and chemical analysis of ingredients supplied by mixer

AES - F. D. - 4

Registration. - Registration forms are available upon request. Applications for

registration should be accompanied, when requested, by copies of proposed labels as well as advertising literature and other descriptive materials.

Application to register a new or unusual product should be accompanied, when requested by reports or references to recognized research in support of the product.

Registrations are permanent until cancelled or renewal called for. Changes in the registration of a feed previously registered may be made by sending a new application for registration, a tag on which the change is shown, or the change indicated by letter. If a tag is used for this purpose, it should be initialed on the back by the responsible authority and the effective date of the change shown thereon.

For information with regard to Brand Name see AES - F. D. -2.

Protein, fat, fiber, vitamin and mineral content of a feed must meet the requirements of accepted authorities for the type of feed listed.

All ingredients guaranteed must be present in nutritionally significant amounts.

The common English name of each ingredient should be used in conformity with names recognized by the Association of American Feed Control Officials.

No qualifying statements such as "prime quality", "41%" or trade names will be allowed in the ingredient list of a mixed feed.

Ingredients should be listed in the following order: Medicine, growth stimulant, etc., basic ingredients, vitamin carriers, and minerals.

Supplements used in mixed feeds should be listed on the label by including the names of the ingredients used.

Brand names may not appear in ingredient lists.

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

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

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

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

Screenings are described as follows: "Grain screenings (from wheat, corn, oats, etc.)" and must contain 70% or more of grain and not more than 6.5% ash; "Mixed screenings (grains, seeds, hulls, and chaff)" must contain no more than 27% fiber and if ash is over 13%, the words "Sand and dirt" must appear on label; "Chaff and dust (hulls, joints, straw, elevator dust, sweepings, grains, weed seeds)" and if ash is over 15%, the words "sand and dirt" must appear on the label: No grade of screenings shall contain more than 4 viable primary noxious weed seeds and 100 viable secondary noxious weed seeds per pound. Samples of screenings may be required.

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

In mixed feeds, the amount of material or materials of little or no feeding value must not exceed 25% of the mixture unless it is clearly shown to be to the feeders advantage to have a larger amount.

The word Urea should appear in the ingredient list and the percentage of equivalent protein from non-protein nitrogen should appear immediately below protein in the chemical guarantee. In mixed feeds (with the exception of supplements) not more than 1/3 of the total protein will be allowed from non-protein nitrogen, and where a larger proportion is used, a warning statement and directions for use must accompany the label. If more than 3% Urea is used, a warning statement and instructions are likewise required.

Condiments and inert materials such as charcoal, bentonite, and grit may be used as ingredients if justification can be shown for the introduction of such materials. They should be included in the ingredient list together with the percentage and in the case of grit the words "with grit" must appear in the brand name.

Chemical Standards have been established for mixed feeds as follows:

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

Quarterly Report on Feed Samples, 1954

Chemical Standards have been established for mixed feeds as follows: (Con't)

	% Min. Protein	% Min. Fat	% Max. Fiber
Rabbit Feed	15.0	2.0	10.0
Rabbit Ration	15.0	2.0	22.0
Dog Feed (Canned)	7.5	2.0	1.5

Dry matter not less than 26%, fat not more than 6%, ash not more than 3.5%, salt (NaCl) not more than 0.5%, calcium (Ca) not less than 0.25%, phosphorus (P) not less than 0.3%.

Chemical Standards for feed Materials are shown below:

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

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

	% Min. Fat	% Max. Fiber
41% Cottonseed Meal	3.0	14.0
43% Cottonseed Meal	3.0	13.0
41% Solvent Extracted Cottonseed Meal	1.0	14.0
43% Solvent Extracted Cottonseed Meal	1.0	12.0

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

False Registration and Cancellation:

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

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Tonnage Reporting System. - Application to report feed tonnage should be made on forms for this purpose supplied by the Department. Permits will be issued to become effective July 1, October 1, January 1, or April 1, at the option of the applicant. A permit is permanent unless cancelled for cause.

Upon receipt of a permit to report tonnage, official Kentucky labels (tags or stickers) in denominations of 50-lbs. and over may be returned for credit on the beginning date of the reporting period if they are sorted as to kind and weight and in good condition. Credit will be established based upon the number and weight value of tags returned, less the cost of printing and handling, \$3.50 per thousand for tags and \$4.50 per thousand for gummed labels. Credits will be applied to subsequent tonnage reports.

A company may apply for a permit to report tonnage sold in bulk and continue to order tags from the Department for bagged feed.

Tonnage reports are to be prepared on forms to be supplied by the Department and are due not later than 20 days after the close of a reporting period. Tonnage is to be reported under the following headings:

Calf Feed	Alfalfa Products
Cattle Feed	Animal Products
Dairy Feed	Barley Products
Dog & Cat Feed	Brewers Products
Horse & Mule Feed	Corn Products
Mineral Feed	Cottonseed Products
Pig & Hog Feed	Distillers Products
Poultry Mash	Linseed and Flax Products
Rabbit Feed	Molasses
Scratch Feed	Oat Products
Sheep Feed	Soybean Products
Stock Feed	Wheat Products
Turkey Mash	Miscellaneous Products
Miscellaneous Mixed Feed	

Companies on the reporting system must file a tonnage report every quarter even though no fee is due for a given quarter.

Payment of Tonnage Fees. - Tonnage should be reported and fees paid by the ingredient supplier unless specific written authority has been given to supply ingredients for use in registered feeds only. Invoices must specify whether the tonnage fee has been paid on the sales represented.

Tonnage of mixed feeds is to be reported and fees paid by the feed mixer

Duplicate invoices showing all sales to be covered by the reporting system must be on file for at least one year and be available for inspection at all reasonable times.

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Twenty-Five dollar fee on packages five pounds or less. Two methods of handling inspection fees on products sold in containers containing five pounds or less are now available. A company may report this tonnage quarterly and pay the inspection fee of 20 cents per ton or may pay an annual fee of \$25 for each brand. Where the option of an annual

fee of \$25 is used, the annual period covered will be from July through June and \$25 will be due for any part of a 12-month period for each brand.

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Mixed-to-Order Feed. - Mixed-to-Order Feed is any commercial feed mixed according to a formula furnished by the customer or by the feed mixer.

All mixers selling mixed-to-order feed and portable mills operating on an itinerant basis must apply for a permit for reporting tonnage even though all ingredients used have been purchased with the inspection fee paid by the supplier. A report will be due from such mixer every three months indicating that all feed thus mixed by them contained ingredients with the fee paid thereon. If ingredients are used for which the mixer is responsible for the tonnage fee, such may be reported on these forms.

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Tags Supplied by Department. - Tags issued by the Department will be of two types as follows:

A manila tag printed in red to represent feed materials and mixed feed not falling in the yellow tag class.

A yellow tag printed in black covering types of feed described in Regulation 8.

How to Order Tags. - Tags should be ordered on an order form furnished by the Department of Feed & Fertilizer and must be ordered in lots of 500 or multiples thereof for a given feed and weight. The state inspection fee of 20 cents per ton includes the cost of these labels. Ten days should be allowed for printing tags after the order has been received by the Department. Check should accompany order made payable to The Kentucky Agricultural Experiment Station.

REPORT OF OFFICIAL DOG FEED SAMPLES ANALYZED
October, November, December, 1954

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
ALBERS MILLING CO., KANSAS CITY, MISSOURI						
Friskies Dog Food	10.0	9.8	2.5	5.0	1.0	.9
ALLIED MILLS INC., CHICAGO, ILLINOIS						
Wayne Dog Food Krums	25.0	26.2	7.0	6.9	5.0	3.4
ALTSHELER & CO., LOUISVILLE, KENTUCKY						
Cherokee Dog Food	8.0	8.4	2.0	2.2	1.0	.8
AMERICAN CRAB MEAT CO., BOSTON, MASSACHUSETTS						
** Three Little Kittens Cat Food	15.0	16.1	.5	.5	1.0	1.2**
Excess water						
ARCADY FARMS MILLING CO., CHICAGO, ILLINOIS						
** Arcady Wonder Dog Food	26.0	<u>25.1</u>	5.0	6.2	5.5	4.7**
ARMOUR & CO., CHICAGO, ILLINOIS						
Dash Armour Dog Food	10.5	11.0	2.5	3.7	1.0	.7
AUBREY & CO., LOUISVILLE, KENTUCKY						
Aubrey's Red A Dog Food Meal	24.0	25.0	3.0	7.0	5.5	5.2
AUSTIN DOG FOOD DIV., SUNSHINE BISCUITS, INC., NEW YORK, NEW YORK						
Austin's Dog Food	22.0	24.7	2.5	2.3	4.5	3.6
BARRY-CARTER MILLING CO., LEBANON, TENNESSEE						
** Fortune Dog Food	28.0	<u>24.9</u>	5.0	5.5	6.0	3.6**
Very much below guarantee in protein						
BROWDER MILLING CO., INC. FULTON, KENTUCKY						
Browder's Dog Food	24.0	29.1	6.0	6.3	3.5	3.6
BUHNER & CO., INC., LOUISVILLE, KENTUCKY						
Happy Farmer 25% Dog Food	25.0	27.2	3.0	5.5	5.0	3.6
BUSH BROS. & CO., CLINTON, TENNESSEE						
** Tony Dog & Cat Food	11.0	11.4	5.0	<u>1.8</u>	1.5	1.0**
Very much below guarantee in fat						
Bush's Tony Dog & Cat Food	11.0	11.4	2.0	1.7	1.5	1.1
CARDINAL FOOD PRODUCTS, INC., ST. LOUIS, MISSOURI						
** Pointer Dog Food	8.0	8.4	2.0	<u>1.0</u>	1.5	1.2**
CARSON FOOD COMPANY, DANVILLE, ILLINOIS						
** Hi-Spot Dog Food	16.0	<u>15.0</u>	5.0	<u>8.1</u>	1.5	.8**
Excess Fat						
COAST FISHERIES (DIV. OF QUAKER OATS CO.), WILMINGTON, CALIFORNIA						
** Puss'n Boots Cat Food	12.0	12.2	2.0	<u>1.1</u>	1.0	1.1**
COOPERATIVE MILLS INC., CINCINNATI, OHIO						
Red Ranger Dog Food	24.0	26.2	4.0	8.4	5.0	3.9
Red Ranger Dog Food	24.0	26.3	4.0	8.3	5.0	3.5

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
C COOPERATIVE MILLS INC., CINCINNATI, OHIO (Con't)						
Red Ranger Dog Food	24.0	27.3	4.0	8.7	5.0	3.7
DEARBORN MILLS, AURORA, INDIANA						
Dearborn Dog Food	26.0	26.7	7.0	7.5	4.0	3.8
Dearborn Dog Food	26.0	28.7	7.0	7.4	4.0	4.0
DIXIE MILLS CO., EAST ST. LOUIS, ILLINOIS						
** Dixie Dog Food	25.0	<u>24.0</u>	4.5	6.0	3.5	1.9**
DOGGIE DINNER, DIV. OF S. E. MIGHTON CO., BEDFORD, OHIO						
** Doggie Dinner	10.0	<u>8.4</u>	2.0	2.8	1.5	1.0**
DOYLE PACKING CO., CHICAGO 11, ILLINOIS						
Strongheart Dog Food	10.0	9.8	2.0	2.5	1.0	.8
Strongheart Dog Food	8.0	7.9	2.0	2.4	1.0	.8
THE DRACKETT CO., CINCINNATI 32, OHIO						
Super Charge Dog Goodies	17.0	19.1	9.0	11.0	2.0	1.3
THE EARLY & DANIEL CO., CINCINNATI, OHIO						
Tuxedo Dog Feed	10.0	10.9	---	1.6	---	.7
Tuxedo M-C Dog Feed	25.0	31.2	4.0	5.1	4.0	4.3
EVANS INDUSTRIES, INC., MARION, INDIANA						
Better Bite Dog Food	14.0	15.8	4.0	4.0	.5	.5
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE						
"Famous Brand" Dog Food	25.0	28.0	5.0	6.2	5.0	4.7
B. FISCHER & CO., INC., NEW YORK, NEW YORK						
Slick Dog Food	7.5	8.1	2.0	1.9	1.5	.8
FOOD PRODUCTS CO. OF AMERICA, CHICAGO, ILLINOIS						
Dog House Dog & Cat Food	10.0	10.5	2.0	2.7	1.5	1.5
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA						
Larro Surechamp Food for Dogs (Meal)	24.0	25.3	5.0	5.0	6.0	4.5
GENERAL FOODS CORP., BOSTON 10, MASSACHUSSETS						
Jack and Jill Cat Food	14.0	16.3	.2	.4	.2	.1
Jack and Jill Cat Food	14.0	17.0	.2	.4	.2	.1
GENERAL PACKING CO., CINCINNATI, OHIO						
Viking Dog Food	10.0	11.1	1.0	2.4	1.5	1.0
Vigor Dog Food	10.0	12.2	2.0	2.4	1.5	.8
THE GREAT ATLANTIC & PACIFIC TEA CO., NEW YORK, NEW YORK						
Daily Kibbled Biscuit Dog Food	22.0	24.6	3.0	3.9	3.5	2.1
Daily Dog Food (Diet 2)	12.0	12.3	3.0	3.0	1.5	1.7

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GROMO, INC., RUSSELLVILLE, KENTUCKY						
** Gro-Mo Dog Food Horse Meat	10.0	9.2	2.5	7.8	2.0	.6**
** Gromo Dog Food	15.0	<u>12.2</u>	2.0	7.9	5.0	.3**
Very much below guarantee in protein						
HALES & HUNTER CO., CHICAGO, ILLINOIS						
** Lucky Dog Food	25.0	28.8	6.0	<u>3.9</u>	6.0	3.2**
Very much below guarantee in protein						
DR. HEINZ CO. INC., WASHINGTON C. H., OHIO						
Heinz Nu-Way Dog Food Meal	24.0	28.1	4.0	5.1	4.0	2.7
** Heinz Nu-Way Dog Food	10.0	<u>9.1</u>	2.0	1.9	1.5	.9**
HILL PACKING CO., TOPEKA, KANSAS						
** Hills Dog Food	12.0	12.4	3.0	<u>7.7</u>	1.0	.6**
Excess fat						
Hills Dog Food	12.0	<u>10.3</u>	3.0	6.1	1.0	.6
HULMAN & COMPANY, EVANSVILLE, INDIANA						
Rex Dog Food	10.0	10.0	2.0	2.9	1.5	1.5
INTERSTATE FOODS OF AMERICA, BEDFORD, OHIO						
ABC Diet 1 Dog Food	10.0	9.6	2.0	2.7	1.2	1.4
ABC Diet 2 Dog Food	10.0	10.9	2.0	2.8	1.2	1.3
ABC Diet 3 Dog Food	10.0	11.0	2.0	2.4	1.2	1.3
KASCO MILLS, TOLEDO, OHIO						
Kasco Complete Dog Ration	25.0	27.7	8.0	7.9	4.0	3.3
Kasco Dog Ration	10.0	10.6	2.0	3.2	1.5	1.2
KELLOGG COMPANY, BATTLE CREEK, MICHIGAN						
Gro-Pup T-Bone Form Dog Biscuit	24.0	27.3	4.0	4.1	5.0	3.3
LOUISVILLE PROVISION CO., LOUISVILLE, KENTUCKY						
** Star Bite Dog Food	10.0	<u>8.5</u>	2.0	3.2	1.0	.5**
Star Bite Dog Food	10.0	<u>10.6</u>	2.0	3.1	1.0	.7
McMILLEN FEED MILLS, FORT WAYNE, INDIANA						
Dogburger A Complete Dog Food	20.0	20.7	5.0	4.8	4.0	3.7
McKNIGHT-KEATON GROCER CO. SKESTON, MISSOURI						
Radio Dog Food	10.0	10.6	2.0	2.4	1.5	1.2
MAGIC FEED MILL, PAOLI, INDIANA						
Magic Dog Food	25.0	30.6	4.0	5.9	5.0	3.3
THE MIDLAND GROCERY CO. OF OHIO, WASHINGTON C. H., OHIO						
** Clarion Dog Food	10.0	10.3	2.0	<u>1.4</u>	1.5	1.1**
MID-WEST MEAT PACKERS, DIV. OF INLAND PRODUCTS, INC., COLUMBUS, OHIO						
Mid-West Dog Ration	10.0	10.2	2.5	4.2	1.0	.6

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
S. E. MIGHTON CO., BEDFORD, OHIO						
Watch Dog Dog Food	10.0	10.3	2.0	2.4	1.2	1.4
Spot Dog & Cat Food	10.0	9.6	2.0	1.9	1.2	1.3
Spot Dog & Cat Food	10.0	9.6	2.0	1.8	1.2	1.2
Doggie Dinner	10.0	10.5	2.0	2.5	1.0	1.5
** Valor Dog Food	10.0	8.0	2.0	1.6	1.2	1.0**
Ike Dog Food	10.0	9.7	2.0	2.4	1.2	1.3
Pet Dog Food	10.0	10.6	2.0	3.0	1.0	1.3
Pet Dog Food for Dogs, Puppies & Cats	10.0	10.1	2.0	2.7	1.0	1.4
MILK-BONE BAKERY, NATIONAL BISCUIT CO., NEW YORK, NEW YORK						
Pal Dog Biscuit	20.0	21.0	3.5	3.9	2.5	1.8
RUSSELL MILLER MILLING CO., MINNEAPOLIS, MINNESOTA						
Occident Dog Food Pellets	25.0	26.9	3.0	4.0	6.0	2.6
MORGAN PACKING CO., AUSTIN, INDIANA						
King Karlo Dog Food	8.0	8.4	2.0	1.8	1.0	.7
JOHN MORRELL & CO., OTTUMWA, IOWA						
Morrell Red heart Dog Food, Beef Flavor	10.5	11.8	2.5	2.8	1.0	.6
Morrell Red Heart Dog Food	10.5	11.3	2.5	5.2	1.0	.6
Red Heart Dog Food	10.5	12.2	2.5	3.2	1.0	.6
** Red Heart Cat Food	12.0	12.8	2.0	.5	1.0	.5**
NATIONAL BISCUIT CO., NEW YORK, NEW YORK						
Milk-Bone Small Size Dog Biscuit	21.0	23.2	2.0	2.9	2.5	1.9
CHAS. NUNN & SONS MILLING CO., EVANSVILLE, INDIANA						
Nunn-Better Dog Food	25.0	28.4	5.0	7.5	6.0	4.1
OWENSBORO MILLING CO., OWENSBORO, KENTUCKY						
TruTest Dog Food	26.0	27.6	4.5	4.7	4.5	3.2
PARKVIEW MARKETS INC., CINCINNATI, OHIO						
Little Skipper Dog Food	10.0	9.9	2.0	1.6	1.2	1.7
PERK DOG FOOD CO., CHICAGO, ILLINOIS						
** Perk 100% Horse Meat Dog Food	17.5	19.0	3.5	7.4	1.0	.3**
Perk 100% Horse Meat Dog Food	17.5	18.3	3.5	7.2	1.0	.2**
Excess fat						
PET FOOD PACKERS, WASHINGTON C. H., OHIO						
Bounce Dog Food	10.0	10.2	2.0	2.2	1.5	1.0
PILLSBURY' MILLS, CLINTON, IOWA						
** Pillsbury's Best Dog Food	24.0	22.1	4.5	4.5	4.0	3.7**
PROVICO FOOD CO., CINCINNATI 32, OHIO						
Provico Dog Food	24.0	27.5	5.0	7.8	4.0	4.1

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE QUAKER OATS CO., CHICAGO, ILLINOIS						
Ken L Ration Dog Food	10.0	10.1	2.5	5.3	1.0	.5
Ken L Ration Dog Food	10.0	9.8	2.5	4.7	1.0	.3
** Ken L Ration Dog Food Excess fat	10.0	9.6	2.5	<u>7.3</u>	1.0	.5**
C. B. RAGLAND CO., NASHVILLE, TENNESSEE						
Mitsie Dog Food	11.0	11.2	2.0	1.7	1.5	.9
RALSTON PURINA CO., ST. LOUIS, MISSOURI						
Purina Dog Chow Kibbled Meal	24.0	26.4	7.0	6.5	5.0	4.3
Purina Dog Chow Kibbled Meal	24.0	25.9	7.0	8.0	5.0	4.4
RIVAL PACKING CO., CHICAGO 32, ILLINOIS						
Rival Dog Food	12.0	12.5	2.5	3.0	1.0	.7
G. P. ROSE & CO. INC., NASHVILLE, TENNESSEE						
Rose's Triumph 24% Dog Food	24.0	25.8	7.0	6.5	5.0	4.0
RYDE & CO., CHICAGO, ILLINOIS						
Ryde's Flaked Dog Food	25.0	26.0	4.0	4.0	4.5	3.9
SANDERS INC., LOUISVILLE, KENTUCKY						
Cliff's Horse Meat	16.0	18.1	3.0	5.1	.3	.5
** Sanders Plete-Meal Dog Food	10.0	<u>8.9</u>	2.0	4.3	1.0	.8**
SPRATT'S, NEWARK 5, NEW JERSEY						
** Spratt's Assorted Dog Biscuits	21.0	20.5	3.0	2.6	1.0	<u>1.9**</u>
STANDARD FEED MILLING CO., ATLANTA, GEORGIA						
Kin Dog Food Chunkets	24.0	27.0	3.5	4.4	5.5	4.0
Kin Dog Food Chunkets	24.0	27.2	3.5	4.8	5.5	4.2
SWIFT & CO., CHICAGO, ILLINOIS						
Pard Swift's Dog Food	10.5	11.3	2.5	5.2	1.0	.5
Pard Swift's Dog Food	10.5	11.5	2.5	4.7	1.0	.6
Pard Swift's Dog Food	10.5	10.9	2.5	4.3	1.0	.4
THE THOROBRED COMPANY, CINCINNATI, OHIO						
Thorobred Dog Food	11.0	12.6	2.5	4.0	1.0	.8
U. B. C. DISTRIBUTORS, CHICAGO, ILLINOIS						
Jumper Dog Food	10.0	10.6	2.0	2.8	1.5	1.7
THE UBIKO MILLING CO., CINCINNATI 17, OHIO						
Life Guard Dog Food	24.0	27.2	5.0	5.2	4.0	3.0
Life Guard Dog Food	24.0	33.7	5.0	5.7	4.0	3.1
VETS DIVISION OF PERK DOG FOOD CO., CHICAGO, ILLINOIS						
Vets Dog Food	10.0	9.9	2.0	2.5	1.5	1.6
Vets Dog Food	10.0	10.7	2.0	2.5	1.5	1.7

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

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
VITALITY MILLS INC., CHICAGO, ILLINOIS						
"Vitality Body Builder Brand" Dog Food	26.0	26.8	5.0	6.6	5.5	4.1
** Vitality Horse Meat & Gravy	15.0	<u>12.6</u>	3.0	<u>10.4</u>	1.5	.2**
Very much below guarantee in protein						
Excess fat						
WINCHESTER CANNING CO., CANAL WINCHESTER, OHIO						
** Champ Dog Food	10.0	9.6	2.0	<u>7.4</u>	1.0	1.1**
Excess fat						
WILSON & CO. INC., CHICAGO, ILLINOIS						
Ideal Dog Food	10.0	10.2	2.0	5.1	1.0	.6
Ideal Dog Food	10.0	10.5	2.0	4.0	1.0	.7

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

ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
ALLIED MILLS, INC., CHICAGO, ILLINOIS		
Wayne 42% Dairy Mixing Supplement "S"	13.10	10.90
Wayne Dairy Mixer	9.00	10.40
Sugarine 16% Dairy	4.00	3.90
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY		
Red "A" 32% Dairy Supplement	10.48	8.30
Red "A" 32% Dairy Supplement	10.48	12.80
Red "A" Special 24% Dairy Feed	7.86	8.20
Red "A" 24% Dairy Feed	7.86	8.20
Red "A" 24% Dairy Feed	7.86	6.80
Red "A" 24% Dairy Feed	7.86	9.30
Red "A" 24% Dairy Feed	7.86	8.00
Red "A" 24% Dairy Feed	7.86	8.50
Red "A" 24% Dairy Feed	7.86	6.40
Red "A" 24% Dairy Feed	7.86	6.90
Red "A" Special 20% Dairy Feed	6.60	6.70
Red "A" 18% Dairy Feed	5.24	6.00
BAGDAD ROLLER MILLS, BAGDAD, KENTUCKY		
Bulky 16 1/2% Dairy Feed	5.24	5.60
BEAVER DAM MILLING CO., BEAVER DAM, KENTUCKY		
Sweet Miss 16% Dairy Feed	5.24	5.50
Eureka 16% Dairy Feed	5.24	4.90
Eureka 16% Dairy Feed	5.24	3.40
BIG FOUR MILLS, COVINGTON, KENTUCKY		
Hi-Lo 24% Dairy Feed	7.86	7.50
O. K. 24% Dairy Feed	7.86	8.60
O. K. 16% Dairy Feed	2.62	3.10
O. K. 16% Dairy Feed	2.62	3.50
O. K. 16% Dairy Feed	2.62	2.50
O. K. 16% Dairy Feed	2.62	3.30
BUHNER & CO., LOUISVILLE, KENTUCKY		
Happy Farmer 32% Dairy Supplement	7.86	8.70
Happy Farmer 20% Dairy Feed	5.24	5.00
Magnolia 18% Dairy Feed	3.90	4.20
Magnolia 18% Dairy Feed	3.90	4.40
Happy Farmer 16% Dairy Feed	3.93	4.00
Magnolia 16 1/2% Dairy Feed	3.93	4.20
Magnolia Sweet 16% Dairy Feed	3.93	3.80
Magnolia Sweet 16% Dairy Feed	3.93	4.10
BURCH HESTER FEED STORE, HUSTONVILLE, KENTUCKY		
Big Chief 20% Dairy Feed	6.18	5.90

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
CADIZ MILLING CO., CADIZ, KENTUCKY Sugar Sweet Dairy Feed	5.24	5.40
CANEYVILLE ROLLER MILL, CANEYVILLE, KENTUCKY Sweet Mix 16% Dairy	5.50	5.50
Sweet Mix 16% Dairy	5.50	4.70
CLINTON MILLING CO, CLINTON, KENTUCKY Climco 16% Dairy Feed	5.24	3.20
COOPERATIVE MILLS, CINCINNATI, OHIO 32% Dairy Supplement	11.00	8.20
32% Dairy Supplement	11.00	8.80
Beef Supplement	8.00	7.50
Beef Supplement	8.00	8.80
Range Pellets	2.62	1.80
DEARBORN MILLS, AURORA, INDIANA Dearborn Sweet 20% Dairy	4.00	4.10
Dearborn Sweet 16% Dairy	5.24	5.50
THE EARLY & DANIEL, CO., CINCINNATI, OHIO Tuxedo 24% Dairy	6.00	5.00
Tuxedo 24% Dairy	6.00	6.20
Tuxedo 24% Dairy	6.00	7.90
Tuxedo 24% Dairy	6.00	6.30
Tuxedo Special 24% Dairy	6.00	1.20
Tuxedo Special 20% Dairy	2.62	4.30
Tuxedo Special 20% Dairy	4.98	4.30
Tuxedo Dairy 18%	2.62	4.90
Tuxedo Dairy 16%	3.93	3.80
Tuxedo Dairy 16%	3.93	3.60
Tuxedo Dairy 16%	3.93	4.60
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA Kentucky Challenge 24% Dairy Feed	7.86	2.30
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY Feeders Friend 32% Steer Supplement	7.00	8.30
FERNCLIFF FEED & GRAIN CO., LOUISVILLE, KENTUCKY Ferncliff 24% Dairy Feed	7.86	7.70
HENRY FRUECHTENICHT CO., LOUISVILLE, KENTUCKY Blue Grass 33% Dairy Concentrate (with urea)	8.75	10.5
Blue Grass 24% Dairy Feed (with urea)	7.87	6.30
Blue Grass 24% Dairy Feed (with urea)	7.87	5.90
Producer 24% Dairy Feed	6.56	7.50
Producer 24% Dairy Feed	6.56	7.10

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
HENRY FRUECHTENICHTH CO., LOUISVILLE, KENTUCKY (Con't)		
Blue Grass 20% Dairy Feed (with urea)	6.60	6.80
Blue Grass 20% Dairy Feed (with urea)	6.60	6.70
Blue Grass 20% Dairy Feed (with urea)	6.60	5.90
Blue Grass 20% Dairy Feed (with urea)	6.60	7.80
Producer 16% Dairy Feed	5.24	4.20
Producer 16% Dairy Feed	5.24	6.30
Producer 16% Dairy Feed	5.24	5.20
Producer 16% Dairy Feed	5.24	5.70
Producer 16% Dairy Feed	5.24	5.60
GARDEN STREET MILL & ELEVATOR CO., LOUISVILLE, KENTUCKY		
Garden Special 16% Dairy Feed	3.93	2.80
Garden Special 16% Dairy Feed	3.93	3.30
Garden Special 16% Dairy Feed	3.93	6.40
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA		
Larro Suremilk 33% Concentrate for Mixing Only	11.00	9.80
GWINN BROS. & CO., HUNTINGTON, WEST. VIRGINIA		
Banner 24% Dairy Feed	7.86	8.00
Sweet Acre 24% Dairy Feed	8.00	8.10
HALES & HUNTER CO., CHICAGO, ILLINOIS		
Pioneer Beef Cattle 20% Protein	5.24	4.60
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY		
Arrow 24% Dairy Feed	6.56	7.10
Arrow 24% Dairy Feed	6.56	6.80
Arrow 16% Dairy Feed	5.24	6.40
THE P. H. HARSHA MILLING CO., PORTSMOUTH, OHIO		
Harsha's Dixie-Sweet 24% Dairy Feed	7.86	5.90
Harsha's Dixie-Sweet 16% Dairy Feed	5.30	3.10
EDWIN C. HAWKINS, PADUCAH, KENTUCKY		
Record 16% Dairy Feed	5.24	3.90
Record 16% Dairy Feed	5.24	4.50
HAYDON MILL & GRAIN CO., SPRINGFIELD, KENTUCKY		
Magic 16% Sweet Dairy Feed	5.24	3.80
DR. HEINZ CO. INC., WASHINGTON C. H., OHIO		
Heinz Nu-Way 24% Dairy Feed	6.50	4.00
Heinz Nu-Way 20% Dairy Feed	6.50	3.40
Heinz Nu-Way 16% Dairy Feed	5.24	2.10
Heinz Nu-Way Cattle Supplement	7.86	6.70

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
HOME MILLING CO., GREENVILLE, KENTUCKY		
Happy Home 16% Sweet Dairy Feed	5.24	5.30
Farm-Wa Dairy Feed	5.24	5.60
KASCO MILLS, INC., TOLEDO, OHIO		
Kasco Mormilk Dairy Feed	8.00	7.70
Kasco Mormilk 20% Dairy Feed	6.50	6.00
Kasco Sweet 16% Dairy Feed	5.24	2.90
KECO MILLING CO, McKENZIE, TENNESSEE		
Thrifty 24% Dairy Feed	7.86	2.50
LEXINGTON ROLLER MILLS, LEXINGTON, KENTUCKY		
Thoroughbred 24% Sweet Dairy Feed	5.25	4.00
Sweet Sue 16% Sweet Dairy Feed	2.62	<u>4.70</u>
Sweet Sue 16% Sweet Dairy Feed	2.62	<u>5.50</u>
McMILLEN FEED MILLS, FORT WAYNE, INDIANA		
Master Mix 44% Dairy Supplement	20.96	17.80
Master Mix 44% Dairy Supplement	20.96	18.80
Master Mix 44% Dairy Supplement	20.96	21.90
Master Mix 44% Dairy Supplement	20.96	17.60
Master Mix 32% Cattle Supplement	10.48	6.40
Master Mix 32% Cattle Supplement	10.48	9.90
MARKIN FEED CO., IRONTON, OHIO		
Markin Special 16% Dairy Feed	2.62	2.80
MAYFIELD MILLING CO., MAYFIELD, KENTUCKY		
Economy 16% Dairy Feed	4.66	5.00
MYERS & CLARK CO., ASHLAND, KENTUCKY		
Ideal 32% Dairy Feed	6.10	6.90
Myers Special 24% Dairy Feed	7.86	7.10
Ideal 24% Dairy Feed	5.90	4.70
Special 24% Dairy Feed	2.75	<u>5.10</u>
Special 24% Dairy Feed	2.75	<u>4.80</u>
Special 16% Dairy Feed	2.62	<u>2.40</u>
NATIONAL OATS CO., E. ST. LOUIS, ILLINOIS		
Corno Cattle Supplement "A"	8.70	9.30
CHAS. NUNN & SONS MILLING CO., EVANSVILLE, INDIANA		
Banner Sweet 16% Dairy Feed	5.24	5.20
OWENSBORO MILLING CO., OWENSBORO, KENTUCKY		
Sugar Lassie Dairy Feed	5.24	6.40
Sugar Lassie Dairy Feed	5.24	<u>5.90</u>
Star 16 1/2% Dairy Feed	5.24	5.30

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY		
Green Valley 20% Dairy Feed	2.18	<u>5.20</u>
Green Valley 20% Dairy Feed	2.18	<u>6.00</u>
Green Valley 20% Dairy Feed	2.18	<u>4.10</u>
Bell Ringer 16% Dairy Feed	3.79	<u>5.30</u>
PILLSBURY MILLS, INC., CLINTON, IOWA		
Pillsbury's Best 32% Dairy Concentrate	10.48	10.90
Pillsbury's Best 32% Dairy Concentrate	10.48	11.40
Pillsbury's Best 32% Dairy Concentrate	10.48	11.30
Pillsbury's Best 32% Dairy Concentrate	10.48	10.90
Pillsbury's Best 24% Dairy Feed	7.85	7.10
Pillsbury's Champion 24% Dairy	7.85	7.30
Pillsbury's Champion 24% Dairy Feed	7.85	7.60
Pillsbury's Champion 24% Dairy Feed	7.85	7.40
Pillsbury's Champion 16% Dairy Feed	3.95	2.50
Dutch Maid 16% Dairy Feed	3.95	3.60
PRINCETON MILLS, PRINCETON, KENTUCKY		
Chowmix 16% Dairy Feed B	2.20	2.00
PROVICO FEEDS & CONCENTRATES, CINCINNATI, OHIO		
Provico 24% Big V Dairy Feed	6.60	6.60
RALSTON PURINA CO., ST. LOUIS, MISSOURI		
Purina Dairy Chow	4.00	3.00
Purina Steer Fatena	8.75	7.90
Purina Steer Fatena	8.75	5.60
Purina Special Steer Fatena	8.75	5.40
Purina Steer Fatena G (S)	5.50	<u>13.00</u>
Purina Steer Fatena G (K)	5.50	<u>5.10</u>
ROBINSON MILLING CO., SOMERSET, KENTUCKY		
Green Valley 24% Dairy Feed	8.00	7.60
Happy Home 16% Sweet Dairy Feed	5.20	<u>7.90</u>
RUSSELL GRAIN CO., HILLIARDS, OHIO		
Russell's 24% Dairy Feed 262	7.50	<u>10.30</u>
Russell's 16% Dairy Feed 262	6.10	<u>7.50</u>
SCIENTIFIC MILLING CO., E. ST. LOUIS, ILLINOIS		
Scientific 24% Dairy Feed	6.50	7.00
SPARKS FEED MILL, GRADYVILLE, KENTUCKY		
Big Creek 16% Dairy Feed	4.66	4.20
STANDARD MILLS, HUNTINGTON, WEST VIRGINIA		
Rainbow 24% Dairy Feed	8.00	8.10

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ANALYSIS OF NON-PROTEIN NITROGEN FROM UREA IN FEEDS

MANUFACTURER, BRAND AND REMARKS	NON-PROTEIN NITROGEN	
	Guaranteed	Found
STURGIS MILLING CO., STURGIS, KENTUCKY		
Neva-Fail 16% Sweet Dairy Feed	5.24	4.20
SUN-RAY FEED MILLS, LEXINGTON, KENTUCKY		
Green Valley Special 24% Dairy Feed	8.40	9.30
Green Valley Special 24% Dairy Feed	8.40	8.60
Green Valley Special 24% Dairy Feed	8.40	9.80
Green Valley Special 24% Dairy Feed	8.40	8.80
Green Valley Special 24% Dairy Feed	8.40	6.50
Green Valley Special 24% Dairy Feed	8.40	8.00
Sugar Creek 24% Dairy Feed	8.40	9.30
Green Valley Special 16% Dairy Feed	5.24	5.20
Sugar Creek 16% Dairy Feed	5.24	2.80
SUN-RAY FEED MILLS, BOWLING GREEN, KENTUCKY		
Sun-Ray 16% Dairy Feed	2.90	4.30
Green Valley 16% Dairy Feed	3.67	3.10
SUPREME MILLS, GLASGOW, KENTUCKY		
Premo 24% Dairy Feed	6.55	7.20
Premo 24% Dairy Feed	6.55	6.30
Premo 24% Dairy Feed	6.55	7.00
Premo 24% Dairy Feed	7.30	7.50
Premo Special 24% Dairy Feed	5.24	5.00
Supreme 16% Dairy Feed	5.24	4.30
Supreme 16% Dairy Feed	5.24	5.20
Feeders Pride 16% Dairy Feed	5.24	
D. B. SUTHERLAND & SONS, BLOOMFIELD, KENTUCKY		
Kentucky Star 24% Dairy Feed	5.24	3.70
Kentucky Star 20% Dairy Feed	5.24	5.30
THOMERSON MILLING CO., GLASGOW, KENTUCKY		
Thomerson 16% Dairy Feed	2.90	5.80
TRI-STATE MILLS, KENOVA, WEST VIRGINIA		
Daisy 24% Dairy Feed	8.00	8.30
Daisy 24% Dairy Feed	8.00	8.10
UBIKO MILLING CO., CINCINNATI, OHIO		
Special 24% Union Grains Life Guard Dairy Feed	8.00	6.70
VITALITY MILLS, INC., CHICAGO, ILLINOIS		
Vitality 24% Milk Builder	7.90	4.80
Velvet 16% Dairy Feed	3.93	3.00
Badger 16% Sweet Dairy Feed	2.62	7.60
WINN MILLING CO., GREENSBURG, KENTUCKY		
Daisy 16% Dairy Feed	3.90	3.20
J. W. ZARING GRAIN & MILL CO., RICHMOND, KENTUCKY		
Zaring 24% Dairy Feed	6.00	8.60
Zaring 24% Dairy Feed	6.00	8.90

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
ALLIED MILLS, INC., CHICAGO, ILLINOIS														
** Wayne Poultry Mixer	36.0	37.7	1.5	1.5	10.0	5.2	3.7	5.2	1.0	1.2	.001	----	1.3	1.5
Wayne 42% Dairy Mixing Supplement "S"	42.0	42.9	1.0	3.7	6.5	9.0	2.0	2.0	.7	1.1	.0008	----	3.7	1.5**
Very much above guarantee in fiber														
** Wayne Dairy Mixer	30.0	35.2	1.5	2.5	10.0	6.9	1.5	2.4	.7	.6	.0008	----	2.5	1.0**
.4% excess non-protein nitrogen from Urea														
Wayne Roughage Supplement "A"	32.0	36.5	2.0	2.0	10.0	7.1	1.5	2.6	.8	1.4	.0008	----	2.5	2.4
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY														
Red "A" Special 24% Protein Dairy Feed	24.0	25.9	2.5	2.7	10.0	7.0	2.5	2.9	.5	.6	-----	-----	2.0	1.8
BROWDER MILLING CO., FULTON, KENTUCKY														
** Browder's 40% Hog Supplement	40.0	42.1	3.0	4.5	8.5	7.4	2.4	3.5	1.2	1.5	.004	----	2.0	2.8**
BUHNER & CO., LOUISVILLE, KENTUCKY														
Happy Farmer 32% Dairy Supplement	32.0	36.0	2.5	2.6	9.0	6.9	3.5	3.4	1.2	1.0	.0375	----	2.5	2.5
Happy Farmer 40% Protein Hog Supplement	40.0	41.0	3.0	4.6	7.0	6.0	4.5	5.4	1.0	1.4	-----	-----	2.5	2.1
Happy Farmer 40% Protein Hog Supplement	40.0	41.5	3.0	4.1	7.0	5.4	4.5	5.0	1.0	1.4	.0011	----	2.5	2.7
CLIFTY FALLS MILLS, MADISON, INDIANA														
** Clifty Falls 40% Protein Hog Supplement	40.0	40.0	2.5	2.4	7.0	6.4	4.0	4.3	2.0	.7	.001	----	2.0	4.1**
COOPERATIVE MILLS, INC., CINCINNATI, OHIO														
Beef Supplement	30.0	33.5	2.0	1.8	11.0	9.6	1.7	2.1	1.0	.9	.0001	----	2.5	2.3

Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found
COOPERATIVE MILLS, INC., CINCINNATI, OHIO (Cont'd)														
Beef Supplement	30.0	33.2	2.0	2.7	11.0	10.8	1.7	2.2	1.0	1.0	.0001	----	2.5	2.0
40% Pork Maker (For Hogs on Pasture)	40.0	41.7	1.5	6.0	8.5	4.7	3.5	3.9	1.2	1.4	.0001	----	2.0	1.7
40% Pork Maker (For Hogs on Pasture)	40.0	41.2	1.5	5.5	8.5	4.1	3.5	4.0	1.2	1.5	.0001	----	2.0	1.5
40% Pork Maker	40.0	43.2	1.5	6.0	8.5	4.9	3.5	3.7	1.2	1.4	.0001	----	2.0	1.6
40% Pork Maker	40.0	41.8	1.5	5.0	8.5	4.4	3.5	4.1	1.2	1.6	.0001	----	2.0	1.7
35% Sow & Pig Supplement (For Hogs not on pasture)	35.0	36.5	1.2	5.2	8.5	7.3	3.0	3.1	1.0	1.0	.0001	----	2.0	1.6
35% Sow & Pig Feed Supplement	35.0	38.8	1.2	4.2	8.5	7.9	3.0	3.1	1.0	1.0	.0001	----	2.0	1.6
DEARBORN MILLS, AURORA, INDIANA														
** Dearborn 40% Protein Pig & Hog Supplement	40.0	42.9	3.0	2.9	8.0	7.3	3.0	2.9	1.0	1.1	.002	----	1.5	2.1**
"Success Brand" 40% Pig & Hog Supplement	40.0	41.4	1.5	2.0	7.5	6.6	2.0	2.9	.1	1.0	.03	----	1.5	1.8
THE EARLY & DANIEL CO., CINCINNATI, OHIO														
Tuxedo Big Forty (Hog Supplement)	40.0	40.0	2.5	2.0	7.0	6.3	4.0	4.9	1.3	1.4	.00133	----	1.2	1.5
Tuxedo Big Forty (Hog Supplement)	40.0	40.9	2.5	2.0	7.0	5.8	4.0	4.1	1.3	1.0	.00135	----	1.2	1.4
Tuxedo Big Forty (Hog Supplement)	40.0	39.9	2.5	2.2	7.0	7.1	4.0	4.3	1.3	1.2	.00651	----	1.2	1.9
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE														
Famous Brand 33% Protein Dairy Concentrate	33.0	34.1	3.0	2.7	9.0	9.5	2.1	2.6	.2	----	.004	----	2.0	1.2
THE FARM MINERALS CO., INDIANAPOLIS, INDIANA														
** Blue Cross Livestock Mineral (For All farm Animals & Poultry)	----	----	----	----	----	----	21.0	24.2	4.0	3.3	.003	----	6.0	4.6**

Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA														
Larro Suremilk 33 Concentrate for Mixing Only	33.0	34.4	2.0	2.3	11.0	7.0	1.2	2.0	1.0	1.3	.0005	-----	3.0	3.4
Larro Suremilk 32 Concentrate (For mixing with Grains)	32.0	37.0	2.0	1.6	11.0	7.4	1.2	1.5	1.0	1.0	.0005	-----	3.0	3.4
Larro SurePork 35 Hog Concentrate	35.0	35.5	2.0	2.6	10.0	6.2	2.5	2.9	1.0	1.0	.0003	-----	2.0	1.8
Larro SurePork 35 Hog Concentrate	35.0	36.2	2.0	2.4	10.0	6.6	2.5	3.8	1.0	1.1	.0003	-----	2.0	1.8
HALES & HUNTER CO., CHICAGO, ILLINOIS														
Pioneer Sow Balancer	35.0	34.6	2.5	4.5	8.0	6.1	4.0	5.0	2.2	2.5	.002	-----	2.5	2.2
DR. HEINZ CO., WASHINGTON C. H., OHIO														
Heinz Nu-Way Cattle Supplement	32.0	33.3	2.5	2.7	8.0	6.9	3.0	4.8	.5	1.0	-----	-----	1.5	1.7
McMILLEN FEED MILLS, FORT WAYNE, INDIANA														
** Master Mix 44% Dairy Supplement	44.0	43.3	1.0	1.3	8.0	6.4	3.2	4.5	1.0	1.1	.0004	-----	3.2	3.2
Master Mix 44% Dairy Supplement	44.0	46.5	1.0	1.5	8.0	6.6	3.2	3.3	1.0	1.0	.0004	-----	3.2	2.4
Master Mix 44% Dairy Supplement	44.0	50.4	1.0	1.4	8.0	7.0	3.2	3.9	1.0	.9	.0004	-----	3.2	2.4
** Master Mix 44% Dairy Supplement	44.0	43.3	1.0	2.6	8.0	8.8	3.2	3.6	1.0	1.2	.0004	-----	3.2	3.2
Master Soy (Soybean Oil Meal, Minerals and Molasses)	40.0	40.9	.5	1.0	6.5	5.3	2.4	4.4	.6	.9	.0004	-----	.5	.4
Master Mix 32% Cattle Supplement	32.0	31.5	2.0	2.5	10.0	10.5	2.5	3.5	1.2	1.4	.0003	-----	2.7	2.5
Master Mix 32% Cattle Supplement	32.0	34.9	2.0	2.8	10.0	9.7	2.5	2.5	1.2	1.2	.0003	-----	2.7	2.7

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
RUSSELL-MILLER MILLING CO., MINNEAPOLIS, MINNESOTA Occident 20% Pig & Sow Supplement	20.0	21.6	2.5	2.8	7.5	7.7	2.0	2.7	.8	1.1	-----	-----	1.0	1.1
MOORMAN MANUFACTURING CO., QUINCY, ILLINOIS Moorman's Mintrate for Poultry	40.0	40.6	2.0	4.0	5.0	4.2	5.0	6.4	2.3	2.8	.0026	-----	4.3	4.1
PILLSBURY MILLS, INC., CLINTON, IOWA Pillsbury's Best 32% Dairy Concentrate	32.0	33.3	2.0	1.7	8.0	5.7	2.5	3.5	1.0	1.1	.0004	-----	2.0	2.6
Pillsbury's Best 32% Dairy Concentrate	32.0	34.1	2.0	2.1	8.0	6.1	2.0	3.6	1.0	1.0	.0004	-----	1.2	1.8
Pillsbury's Best 32% Dairy Concentrate	32.0	36.0	2.0	2.0	8.0	5.3	2.6	3.2	1.0	1.2	.0004	-----	1.7	2.0
Pillsbury's Best 32% Dairy Concentrate	32.0	33.9	2.0	2.4	8.0	6.2	2.6	3.4	1.0	1.1	.0004	-----	2.0	1.7
Pillsbury's Best 32% Dairy Concentrate	32.0	34.3	2.0	2.4	8.0	5.8	2.6	3.6	1.0	1.2	.0004	-----	1.7	1.9
Pillsbury's Best 24% Dairy Feed	24.0	24.6	2.5	2.4	8.5	7.2	1.4	1.7	.7	.7	.0002	-----	1.7	1.4
Pillsbury's Best 24% Dairy Feed	24.0	24.8	2.5	3.0	8.5	6.6	1.4	1.7	.7	.7	.0002	-----	1.5	1.2
Pillsbury's Best 24% Dairy Feed	24.0	23.3	2.5	3.5	8.5	8.2	1.4	1.4	.7	.6	.0002	-----	1.7	1.8**
Pillsbury's Best 24% Dairy Feed	24.0	26.0	2.5	3.6	8.5	8.8	1.4	1.8	.7	1.0	.0002	-----	1.5	1.9
Pillsbury's Champion 24% Dairy Feed	24.0	24.2	2.5	2.9	10.0	6.6	1.6	1.8	.5	.6	.0002	-----	1.7	2.2
Pillsbury's Champion 24% Dairy Feed	24.0	26.4	2.5	2.8	10.0	6.7	1.6	1.8	.5	.6	.0002	-----	1.5	1.4
Pillsbury's Champion 24% Dairy Feed	24.0	24.9	2.5	3.4	10.0	7.9	1.6	1.3	.5	.7	.0002	-----	1.7	2.1
Pillsbury's Champion 24% Dairy Feed	24.0	25.6	2.5	3.5	10.0	8.3	1.6	2.1	.5	.7	.0002	-----	1.5	1.7

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Protein and Mineral Feeds and Mineral Feeds

Manufacturer, Brand and Remarks	Protein		Fat		Fiber		Calcium		Phosphorus		Iodine		Salt	
	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found	Guar	Found
PILLSBURY MILLS, INC., CLINTON, IOWA (Con't)														
Pillsbury's Best Hog Concentrate	40.0	41.2	1.5	4.0	7.0	5.6	2.7	4.8	.8	1.4	.0005	----	1.6	1.4
PURCELL SEED CO., INC., EVANSVILLE, INDIANA														
"Purcell's" All-Purpose Mineral Mixture	----	----	----	----	----	----	30.0	30.9	1.5	1.5	.06	----	10.0	9.5
RALSTON PURINA CO., ST. LOUIS, MISSOURI														
Purina Cow Chow Supplement	24.0	24.0	2.5	2.0	11.0	6.6	1.5	1.9	.9	.9	.00035	----	2.3	1.0
Purina Cow Chow Supplement	24.0	24.0	2.5	2.6	11.0	7.6	1.5	1.5	.9	.8	.00035	----	2.3	.8
Purina Sow and Pig Chow (Supplement)	32.0	35.3	2.5	2.6	9.0	6.2	3.0	3.4	1.6	1.6	.0003	----	2.5	1.4
Purina Sow & Pig Chow (Supplement)	32.0	34.7	2.5	3.4	9.0	6.6	3.0	3.4	1.6	1.7	.0003	----	2.5	1.7
Purina Sow & Pig Chow (Supplement)	32.0	32.1	2.5	3.1	9.0	6.7	3.0	3.7	1.6	1.3	.0003	----	2.5	1.4
Purina Sow & Pig Chow (Supplement)	32.0	34.8	2.5	3.5	9.0	8.0	3.5	3.0	1.6	1.7	.0002	----	2.3	2.0
Purina Sow & Pig Chow (Supplement)	32.0	33.5	2.5	2.7	9.0	6.8	3.5	4.3	1.6	2.0	.0003	----	2.3	2.5
Purina Sow & Pig Chow (Supplement)	32.0	31.0	2.5	3.3	9.0	6.6	3.5	4.7	1.6	2.3	.0003	----	2.3	2.0**
Purina Sow & Pig Chow (Supplement)	32.0	32.6	2.5	3.1	9.0	7.1	3.5	4.4	1.6	1.6	.0003	----	2.3	2.0
TABOR HATCHERY, COLUMBIA, KENTUCKY														
Tabor 36% Pig & Sow Concentrate	36.0	38.0	2.0	2.2	8.0	6.4	3.8	4.5	1.4	1.7	.0004	----	2.0	1.7

Quarterly Report on Feed Samples, 1954

REPORT OF OFFICIAL FEED SAMPLES ANALYZED

October, November, December, 1954

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE ABILENE FLOUR MILLS CO., ABILENE, KANSAS						
Wheat Gray Shorts with Screenings	16.0	16.7	4.0	4.3	6.0	5.5
Wheat Gray Shorts with Screenings	16.0	16.1	4.0	4.1	6.0	6.0
H. T. ADAMS CO., HARRODSBURG, KENTUCKY						
"Old Fort Brand" 15% Protein All Mash	15.0	17.2	2.5	3.6	6.0	5.0
ALLEN COUNTY FEED & SEED CO., SCOTTSVILLE, KENTUCKY						
Simmon's 16% Milk Maker	16.0	17.9	2.5	3.9	10.0	7.6
ALLIED MILLS, INC., CHICAGO, ILLINOIS						
4-Nitrophenylarsonic Acid (Histostat) Mixture Inc. in Wayne Universal Turkey Grower (An all Mash Feed)	18.0	20.1	2.5	2.4	5.0	5.0
Starter and Grower	18.0	19.0	2.5	3.5	6.0	4.7
** 0175 S. Q-3H-Wayne Rocket Broiler Feed	20.0	22.3	3.0	<u>2.1</u>	4.0	3.3**
Wayne 26% Egg and Breeder	26.0	28.2	2.5	<u>2.6</u>	7.0	5.0
26% Egg and Breeder	26.0	27.8	2.5	3.1	7.0	5.3
Wayne Egg Mash	20.0	23.4	3.0	3.3	5.5	5.5
Wayne All Mash Egg	16.0	18.5	2.5	3.6	8.0	6.8
** Sugarine 16% Dairy Contained unground weed seeds Pork Maker	16.0	19.8	2.5	4.5	12.0	10.1**
14.0	14.7	3.0	3.7	8.0	5.8	
ALABAMA FLOUR MILLS, DECATUR, ALABAMA						
Red Hat Pig & Sow Feed	20.0	22.1	3.0	3.9	6.0	4.8
ALBANY MILLS, ALBANY, KENTUCKY						
** Clinton 20% Dairy Feed	20.0	19.9	3.5	<u>2.9</u>	9.5	5.0**
ARCADY FARMS MILLING CO., CHICAGO, ILLINOIS						
Arcady 30% Protein Game Bird Pellets	30.0	30.6	4.0	5.4	7.0	5.0
Arcady 26% Protein Game Bird Grower	26.0	27.9	4.0	5.4	7.0	5.2
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY						
Red "A" All Mash Starter & Grower Crumbles	20.0	22.2	3.5	3.3	7.0	5.7
Red "A" High Energy Broiler Ration Mash	20.0	19.8	3.5	3.8	4.5	3.8
Aubrey's Nitrophenide in Red "A" High Energy Broiler Ration	20.0	23.5	3.5	4.4	4.5	4.5
Arsanilic Acid in Red "A" High Energy 20% Broiler Ration Mash	20.0	22.3	3.5	3.4	4.5	3.8
Aubrey's Red "A" Broiler Finisher Mash with Nitrophenide Mixture	17.5	18.9	3.0	3.5	4.0	3.7
** Red "A" Laying Mash	20.0	21.7	3.0	<u>2.3</u>	8.0	6.3**
Red "A" Laying Mash	20.0	22.9	3.0	<u>3.1</u>	8.0	6.1
Red "A" Laying Mash	20.0	22.6	3.0	2.8	8.0	6.0
Red "A" Laying Mash	20.0	22.3	3.0	3.1	8.0	6.0
Red "A" Laying Mash	20.0	23.0	3.0	3.0	8.0	5.3
Red "A" Laying Mash	20.0	23.0	3.0	3.2	8.0	5.3
** Red "A" Laying Mash	20.0	23.1	3.0	<u>2.1</u>	8.0	5.2**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
AUBREY FEED MILLS, LOUISVILLE, KENTUCKY (Con't)						
Red "A" Special Laying Mash	20.0	19.6	3.5	3.7	7.5	6.1
Red "A" Special Laying Crumbles	20.0	19.6	3.5	5.4	7.5	5.4
Red "A" Breeder Mash	20.0	21.7	3.5	6.2	8.0	5.4
Red "A" Poultry Fattener	14.0	15.1	3.5	3.4	6.0	5.0
Red "A" 32% Protein Dairy Supplement	32.0	35.2	3.0	3.4	8.5	6.3
Red "A" 32% Protein Dairy Supplement	32.0	33.3	3.0	3.5	8.5	8.8
** Red "A" 32% Protein Dairy Supplement 1. 32% excess non-protein nitrogen from Urea	32.0	38.7	3.0	3.1	8.5	8.7**
Red "A" 24% Protein Dairy Feed	24.0	27.1	3.0	3.8	10.0	7.0
Red "A" 24% Protein Dairy Feed	24.0	25.1	3.0	3.6	10.0	6.9
** Red "A" 24% Protein Dairy Feed 1. 44% excess non-protein nitrogen from Urea	24.0	28.3	3.0	3.4	10.0	6.1**
Red "A" 24% Protein Dairy Feed	24.0	29.3	3.0	4.1	10.0	7.5
Red "A" 24% Protein Dairy Feed	24.0	26.8	3.0	3.3	10.0	7.1
Red "A" 24% Protein Dairy Feed	24.0	27.1	3.0	3.6	10.0	6.2
Red "A" 24% Protein Dairy Feed	24.0	25.9	3.0	4.0	10.0	8.3
Red "A" 20% Protein Dairy Feed	20.0	24.5	3.0	4.0	10.0	7.1
Red "A" 20% Protein Dairy Feed	20.0	25.5	3.0	3.0	10.0	7.5
Red "A" Special 20% Dairy Feed	20.0	26.1	3.0	3.9	9.0	5.7
Red "A" 18% Protein Dairy Feed	18.0	20.8	3.0	4.1	8.0	7.0
Red "A" 16 1/2% Dairy Feed	16.5	18.6	3.0	3.1	10.0	8.2
Red "A" 18% Sow & Pig Feed	18.0	21.0	3.0	3.0	6.0	5.9
Red "A" 18% Sow & Pig Feed	18.0	20.5	3.0	3.4	6.0	5.2
Red "A" 18% Sow & Pig Feed	18.0	18.8	3.0	3.8	6.0	4.8
Hominy Feed	10.0	11.2	5.0	6.0	6.0	3.7
Aubrey's 44% Protein Solvent Extracted Soybean Oil Meal	44.0	48.1	.5	.6	7.0	5.5
THE AUBURN MILLS, INC., AUBURN, KENTUCKY						
** Mixed Feed Contained mixed screenings	13.5	14.3	3.5	4.2	7.5	6.2**
B & L MILLING CO., MEXICO, INDIANA						
Hominy Feed	9.5	10.3	6.0	7.1	6.0	3.9
Hominy Feed	9.5	11.3	6.0	7.4	6.0	5.6
BAGDAD ROLLER MILLS, BADGAD, KENTUCKY						
** Harrison's Nat-Ur-Way 18% Dairy Feed	18.0	20.6	3.5	2.6	10.0	7.1**
"Bulky Brand" 16 1/2 Protein Dairy Feed	16.5	18.1	3.7	3.3	15.0	10.0
BARDSTOWN MILLS, BARDSTOWN, KENTUCKY						
"Blue Ribbon" 40% Protein Hog Supplement	40.0	42.2	2.5	3.3	8.0	6.6
"Blue Ribbon" 18% Protein Hog Supplement	18.0	22.2	3.0	5.0	6.0	5.6

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BARRY-CARTER MILLING CO., LEBANON, TENNESSEE						
** Fortune 24% Dairy Feed	24.0	<u>22.8</u>	2.5	3.1	14.0	10.1**
** Fortune 40% Hog Supplement	40.0	<u>37.4</u>	2.5	5.7	8.0	7.0**
Very much below guarantee in protein						
** Liberty 40% Hog Supplement	40.0	<u>38.7</u>	2.5	3.8	8.0	8.8**
** Fortune 20% Pig & Sow Ration	20.0	<u>21.5</u>	2.5	5.7	6.0	<u>7.3**</u>
** Fortune 16% Qwik Fat Hog Feed	16.0	18.0	3.0	6.4	8.0	<u>9.2**</u>
BAUGHMAN MILLING CO., STANFORD, KENTUCKY						
"Banner Brand" 16% Protein Pig & Sow Meal	16.0	15.8	3.5	3.3	6.0	5.6
THE BEARDSTOWN MILLS CO., BEARDSTOWN, ILLINOIS						
Critic Rabbit Pellets - A Complete Feed	17.0	16.6	3.0	3.7	9.0	7.4
BEAVER DAM MILLING CO., BEAVER DAM, KENTUCKY						
Eureka 20% Breeder Mash	20.0	20.5	3.0	4.4	7.0	5.9
Sweet Miss 16% Dairy Feed (with Urea)	16.0	15.6	2.5	3.1	10.0	9.0
Eureka 16% Dairy Feed (with Urea)	16.0	17.4	3.0	3.0	10.0	9.0
** Eureka 16% Dairy Feed (with Urea)	16.0	<u>15.3</u>	3.0	4.1	10.0	10.2**
** Eureka 40% Protein Hog Supplement	40.0	<u>38.8</u>	3.5	4.2	6.0	5.4**
BI-COUNTY FARM BUREAU COOPERATIVE ASS'N, ERLANGER, KENTUCKY						
** "Co-op Milkmaid Brand" 32% Protein Dairy Feed	32.0	36.1	3.0	1.1	7.0	5.7**
Coop Pailfiller Brand 20% Dairy Feed	20.0	20.6	3.0	2.9	9.0	6.5
BIG FOUR MILLS, COVINGTON, KENTUCKY						
Big Four Laying Mash	20.0	20.3	3.0	3.0	7.0	6.0
Hi-Lo 20% Protein Laying Mash	20.0	21.2	3.0	3.6	7.0	7.4
** Big Four 24% Dairy Feed	24.0	26.4	3.0	<u>2.4</u>	12.0	8.4**
** Hi-Lo 24% Dairy Feed	24.0	27.1	2.5	<u>1.5</u>	12.0	11.5**
OK 24% Dairy Feed	24.0	27.6	2.5	<u>2.6</u>	15.0	9.4
OK 16% Dairy Feed	16.0	18.7	2.5	<u>1.8</u>	15.0	12.4**
Contained unground buckhorn seeds						
OK 16% Dairy Feed	16.0	21.0	2.5	3.2	15.0	11.7**
Contained unground buckhorn seeds						
OK 16% Dairy Feed	16.0	20.9	2.5	3.8	15.0	9.2**
Contained unground buckhorn seeds						
OK 16% Dairy Feed	16.0	19.4	2.5	2.5	15.0	11.0
** Big Four Hog Supplement	36.0	<u>34.7</u>	3.0	3.4	8.0	6.2**
Big Four 20% Hog Feed	20.0	<u>22.2</u>	3.0	3.3	8.0	5.1
Big Four 20% Hog Feed	20.0	22.2	3.0	3.6	8.0	4.9
THE BOSWELL CO., ATLANTA, GEORGIA						
"Pure Gold Brand" 41% Protein Cottonseed Meal	41.0	41.5	4.0	3.7	13.0	13.4

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
BROWN-FORMAN DISTILLERS CORP., LOUISVILLE, KENTUCKY						
** Brown Forman's Super Sol Very much above guaranty in fiber	24.0	29.7	6.0	<u>5.1</u>	4.0	<u>7.2**</u>
THE BRODE CORP., MEMPHIS, TENNESSEE						
Owl Brand 41% Prime Cottonseed Meal	41.0	41.9	3.0	3.6	14.0	14.3
BROWDER MILLING CO. INC., FULTON, KENTUCKY						
** Cracked Corn	8.0	9.2	4.0	<u>3.1</u>	3.0	2.0**
BUCKEYE COTTON OIL CO., CINCINNATI, OHIO						
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal	44.0	48.2	.5	1.0	7.0	5.9
BUHNER & COMPANY, LOUISVILLE, KENTUCKY						
Happy Farmer 16% All Mash Layer	16.0	16.8	2.5	3.6	7.0	5.9
Buhner's Happy Farmer Scratch Feed	9.0	9.8	3.0	3.0	5.0	1.8
Happy Farmer 20% Dairy Feed	20.0	21.1	2.5	3.2	9.0	7.0
Magnolia 18% Dairy Feed	18.0	19.1	3.0	3.2	10.0	9.5
Magnolia 18% Dairy Feed	18.0	19.0	3.0	3.2	10.0	8.3
Happy Farmer 16% Dairy Feed	16.0	17.5	2.5	3.3	9.0	7.0
Magnolia 16 1/2% Dairy Feed	16.5	18.0	3.0	2.9	10.0	8.0
** Magnolia Sweet 16% Dairy Feed Contained unground buckhorn seeds	16.0	19.2	2.5	2.8	15.0	10.6**
Magnolia Sweet 16% Dairy Feed	16.0	15.8	2.5	3.7	15.0	10.8
Happy Farmer Wheat Gray Shorts & Screenings	14.0	14.5	4.0	4.1	6.0	5.1
BURCH HESTER FEED STORE, HUSTONVILLE, KENTUCKY						
Big Chief 20% Dairy Feed	20.0	23.8	2.5	2.1	10.0	7.7
BUNDY BROS. MILL CO., MEDORA, INDIANA						
"Monarch" 18% Protein Laying Mash	18.0	19.5	4.0	3.7	7.0	5.6
"Monarch" 18% Protein Laying Mash	18.0	19.0	4.0	4.0	7.0	5.8
Medora 19% Protein Pig & Sow Feed	19.0	18.7	4.0	4.1	6.0	6.5
Medora 19% Protein Pig & Sow Feed	19.0	21.9	4.0	4.6	6.0	6.0
BURGIN ROLLER MILLS, BURGIN, KENTUCKY						
B R M Hog Feed	13.0	13.9	3.5	4.1	6.5	5.6
A. C. BUTTS & SONS, FULTON, KENTUCKY						
Ground Ear Corn with Shuck	7.0	7.3	3.5	3.1	9.0	7.8
CADIZ MILLING CO., CADIZ, KENTUCKY						
Sugar Sweet Dairy Feed	16.0	17.0	3.0	2.9	10.0	8.1
Sunbeam 40% Hog Supplement	40.0	39.6	3.0	3.7	8.0	8.3
Sunbeam 14% Hog Fattener	14.0	15.3	3.5	4.2	7.0	7.5

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CANEYVILLE ROLLER MILL, CANEYVILLE, KENTUCKY						
Sweet Mix 16% Protein Dairy	16.0	17.2	2.5	2.8	15.0	5.9
** Sweet Mix 16% Protein Dairy	16.0	<u>14.5</u>	2.5	2.5	15.0	6.5**
Crushed Ear Corn & Shuck	7.0	10.0	3.0	2.7	11.0	6.2
C. W. CANN, CLARKSON, KENTUCKY						
Cann's 20% Laying Mash	20.0	20.4	3.0	4.2	8.0	8.3
CENTRAL SOYA CO., INC., FORT WAYNE, INDIANA						
"Central Star Brand" 44% Protein Solvent Soybean Oil Meal	44.0	46.9	.5	.8	7.0	6.1
THE CINCINNATI GRAIN & HAY CO., CINCINNATI, OHIO						
** No Better Brand 24% Protein Sweet Dairy Feed	24.0	<u>22.3</u>	3.5	3.3	9.5	8.1**
No Better Brand 16% Protein Sweet Dairy Feed	16.0	19.2	3.0	3.8	11.0	8.0
CITIZENS MILLING CO., SOMERSET, KENTUCKY						
16% Cumberland Mixed Feed	16.0	16.7	2.5	2.2	10.0	7.6
CLARKSON MILLING CO., CLARKSON, KENTUCKY						
"Fidelity Brand" 18% Starter & Grower	18.0	20.1	3.5	3.5	6.0	5.8
"Fidelity Brand" 20% Protein Laying Mash	20.0	20.2	3.5	3.5	7.0	6.0
CLIFTY FALLS MILLS INC., MADISON, INDIANA						
Clifty Falls 18% Protein Turkey Grower	18.0	20.5	3.0	5.3	7.0	7.1
Clifty Falls 20% Protein Egg Mash	20.0	21.2	3.0	4.4	7.0	6.8
Clifty Falls 24% Protein Cow Feed	24.0	29.5	2.5	2.4	10.0	6.9
Clifty Falls 24% Protein Cow Feed	24.0	24.5	2.5	2.2	10.0	9.1
Clifty Falls 24% Protein Cow Feed	24.0	23.7	2.5	2.1	10.0	8.1
Clifty Falls 20% Protein Dairy Feed	20.0	22.8	3.0	2.9	12.0	9.1
Clifty Falls 16% Protein Cow Feed	16.0	21.2	3.0	2.9	15.0	11.3
Green Pasture 16% Protein Dairy Feed	16.0	17.3	2.5	3.0	10.0	10.3
Clifty Falls 16% Protein Cow Feed	16.0	20.2	3.0	2.6	15.0	10.5
Green Pasture 16% Protein Dairy Feed	16.0	18.2	2.5	3.0	10.0	9.9
** Clifty Falls 18% Protein Pig & Sow Feed	18.0	<u>17.3</u>	3.0	3.1	6.0	<u>7.1**</u>
Clifty Falls 14% Protein Hog Fattener	14.0	14.8	3.5	5.0	6.5	4.5
Clifty Falls Hog Fattener	14.0	14.9	3.5	6.0	6.5	4.4
CLIMAX ROLLER MILLS, SHELBYVILLE, KENTUCKY						
** Farm Feed	15.0	<u>12.9</u>	4.0	<u>2.9</u>	7.5	4.9**
** Farm Feed	15.0	<u>13.1</u>	4.0	<u>3.0</u>	7.5	4.0**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CLINTON MILLING CO., CLINTON, KENTUCKY						
Climco 16% Dairy Feed	16.0	18.3	3.0	2.9	13.0	9.2
Sun-Ray 40% Protein Hog Supplement	40.0	40.9	3.5	3.2	8.0	7.0
Custom 9 to 1 Mixed Feed	11.5	13.1	3.9	4.2	3.5	3.0
** Hominy Feed	10.0	10.4	7.0	<u>6.4</u>	6.0	6.2**
CLINTON HATCHERY, CLINTON, KENTUCKY						
New Deal 18% Protein Pig & Sow Feed	18.0	18.4	3.0	3.2	6.0	4.5
CLELL COLEMAN & SONS, BURGIN, KENTUCKY						
Coleman's Pig & Hog Feed	16.5	17.9	3.5	4.2	6.0	5.6
** Coleman's Hominy Feed	10.0	10.9	7.0	<u>5.7</u>	6.0	<u>6.9**</u>
** Coleman's Pig & Hog Feed	16.5	<u>15.8</u>	3.5	4.3	6.0	6.2**
Coleman's Pig & Hog Feed	16.5	<u>16.4</u>	3.5	4.2	6.0	6.2
Hog Fattener	14.0	14.2	3.5	4.6	6.5	5.8
Wheat Mixed Feed	13.0	13.9	3.5	3.6	9.0	5.7
H. C. COLE MILLING CO., CHESTER, ILLINOIS						
Omega Wheat Gray Shorts with Screenings	15.0	16.6	4.0	4.5	6.0	6.0
COLBY MILLING CO., INC., COLBY, WISCONSIN						
** Colby Pulverized Mill Oats	11.0	12.5	3.5	4.8	14.5	<u>16.6**</u>
Very much above guarantee in fiber. Contained weed seeds, trash, sand etc.						
** Colby Pulverized Mixed Feed Oats	11.0	12.0	3.5	5.1	14.0	<u>15.9**</u>
Very much above guarantee in fiber.						
COLLIER BROS. FEED MILL, HICKORY, KENTUCKY						
** Crushed Ear Corn & Shuck	7.0	8.0	3.0	<u>2.4</u>	11.0	8.4**
COOPERATIVE MILLS, INC., CINCINNATI, OHIO						
Turkey Growing Mash	20.0	22.6	3.0	4.8	6.5	6.1
All Mash Breeder Ration	16.0	19.2	3.0	4.8	5.0	4.1
Broiler-Maker Finisher	17.0	17.8	3.0	5.8	5.0	3.9
Egg Maker	20.0	21.4	3.0	3.9	8.0	6.0
Egg Maker	20.0	21.9	3.0	4.3	8.0	5.7
Egg Maker	20.0	20.0	3.0	3.1	8.0	6.4
Super Laying Mash	20.0	21.9	3.0	4.5	6.5	5.8
Super Laying Mash	20.0	21.1	3.0	5.9	6.5	5.6
Super Breeding Mash	20.0	23.3	3.0	6.0	6.5	5.5
Super Breeding Mash	20.0	22.2	3.0	5.5	6.5	5.7
Super Breeding Mash	20.0	20.5	3.0	5.8	6.5	5.6
Super Coarse Scratch	9.0	9.3	2.0	2.7	3.0	1.9
Calf Starter	18.0	20.9	4.0	4.1	8.0	7.2
32% Dairy Supplement	32.0	33.1	2.5	2.5	11.0	9.7
32% Dairy Supplement	32.0	32.9	2.5	2.7	15.0	10.1
32% Milk Maker	32.0	36.2	2.5	2.4	10.0	8.0
24% Milk Maker	24.0	26.2	3.5	3.0	10.0	8.5
24% Milk Maker	24.0	27.5	3.5	3.0	10.0	8.8
24% Milk Maker	24.0	26.7	3.5	3.2	10.0	8.3
24% Milk Maker	24.0	25.2	3.5	3.2	10.0	8.7
20% Milk Maker	20.0	23.2	3.5	3.3	10.0	8.1

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
COOPERATIVE MILLS, INC., CINCINNATI, OHIO (Con't)						
20% Milk Maker	20.0	24.4	3.5	3.6	10.0	8.4
20% Milk Maker	20.0	21.5	3.5	3.6	10.0	7.6
20% Milk Maker	20.0	21.4	3.5	3.2	10.0	7.5
16% Milk Maker	16.0	20.0	3.5	4.1	10.0	7.4
16% Milk Maker	16.0	19.3	3.5	3.7	10.0	7.6
16% Pasture Dairy	16.0	20.3	3.0	3.8	11.0	9.8
16% Pasture Dairy	16.0	18.8	3.0	3.5	11.0	9.8
16% Dari-Flow	16.0	18.4	3.5	3.1	10.0	7.3
Fitting Feed	13.0	15.4	3.0	2.9	10.0	6.5
Range Pellets	20.0	20.9	2.5	3.1	12.0	5.6
Sweet Stock Feed	9.0	11.8	2.5	3.3	9.0	5.4
Sweet Stock Feed	9.0	11.8	2.5	2.8	9.0	5.9
Sweet Stock Feed	9.0	12.1	2.5	3.4	9.0	5.1
20% Sow & Pig Feed (For Hogs not on Pasture)	20.0	21.3	3.5	6.1	6.0	5.0
20% Sow & Pig Feed	20.0	20.8	3.5	6.4	6.0	5.3
20% Sow & Pig Feed	20.0	21.4	3.5	4.4	6.0	5.0
15% Pork Maker	15.0	15.2	3.5	6.0	8.0	4.6
15% Pork Maker	15.0	15.6	3.5	5.7	8.0	4.3
CRESCENT ROLLER MILLS, TAYLORSVILLE, KENTUCKY						
** Crescent 32% Dairy Supplement	32.0	31.1	2.0	2.0	9.0	5.9**
Special Mix 16% Dairy	16.0	15.8	3.0	2.6	10.0	6.0
Crescent Stock Feed	14.0	13.6	3.0	3.0	6.0	3.7
CRITTENDEN MILLING CO., MARION, KENTUCKY						
15% Protein All Mash Poultry Ration	15.0	14.8	3.0	3.8	6.0	6.0
Crushed Ear Corn & Shuck	7.0	8.0	3.0	3.1	11.0	8.0
DEARBORN MILLS, AURORA, INDIANA						
Dearborn 17% High Energy Broiler Finisher	17.0	18.3	3.0	4.3	4.0	3.6
Dearborn Layer	20.0	22.6	3.0	3.6	5.5	5.6
"Success Brand" 20% Laying Mash	20.0	21.4	3.0	4.5	8.0	7.2
"Success Brand" 20% Laying Mash	20.0	21.1	3.0	4.8	8.0	6.4
Dearborn 24% Dairy Feed	24.0	24.6	2.5	2.7	12.5	8.2
Dearborn Sweet 20% Dairy	20.0	21.9	2.5	4.1	12.5	11.2
Dearborn Sweet 16% Dairy	16.0	19.3	2.5	2.4	15.0	14.7
Dearborn 16% Dairy Feed	16.0	17.5	2.5	3.7	9.5	8.9
W. C. DICKEN, MENTOR, KENTUCKY						
"Sunny Grain Brand" 20% Dairy Feed	20.0	20.7	3.5	4.9	9.0	8.0
DIXIE MILLS CO., E. ST. LOUIS, ILLINOIS						
Dixie Oxytetracycline Mixture in						
Dixie Snapback	20.0	21.1	3.0	2.6	6.0	4.4
** Dixie Sweet Bulky	10.0	13.1	2.5	1.7	15.0	10.5**

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
DUNCAN-HUGHES & CO., LAGRANGE, KENTUCKY						
Dairymaid 24% Protein Dairy Feed	24.0	25.0	3.5	3.8	11.0	9.4
THE EARLY & DANIEL CO., CINCINNATI, OHIO						
Tuxedo Turkey Grower & Developer Mash	20.0	22.7	3.0	3.6	7.0	5.6
Tuxedo Starter, Grower & Developer Mash	17.0	19.1	3.0	3.7	7.0	7.1
Tuxedo High Energy Broiler Mash	20.0	22.1	4.0	3.5	4.0	4.4
Tuxedo Egg Mash	20.0	20.5	3.0	4.2	8.0	7.3
Tuxedo Special Egg Mash	20.0	22.2	3.0	3.6	8.0	5.9
Tuxedo Special Egg Mash	20.0	22.2	3.0	3.9	8.0	8.1
Eadan Egg Mash	20.0	21.5	3.0	3.1	8.0	7.6
Tuxedo Scratch	9.0	10.7	2.5	2.3	4.0	3.1
Tuxedo 24% Dairy	24.0	24.9	3.0	3.3	10.0	9.0
Tuxedo 24% Dairy	24.0	26.8	3.0	3.0	10.0	8.1
** Tuxedo 24% Dairy .9% excess non-protein nitrogen from Urea	24.0	29.1	3.0	3.1	10.0	8.6**
Tuxedo 24% Dairy	24.0	25.9	3.0	3.8	9.0	7.9
Tuxedo Special 24% Dairy	24.0	25.5	3.0	4.0	12.0	10.2
** Tuxedo Special 20% Dairy	20.0	25.5	3.0	2.0	12.0	7.3**
Tuxedo Special 20% Dairy	20.0	20.8	3.0	3.2	12.0	12.3
** Tuxedo Dairy 18% 1.28% excess non-protein nitrogen from Urea	18.0	21.1	3.0	3.3	10.0	8.2**
Tuxedo Dairy 18%	18.0	19.4	3.0	3.5	10.0	9.4
Tuxedo 18% Dairy	18.0	19.4	3.0	3.7	10.0	9.4
Tuxedo 16% Dairy	16.0	16.0	3.0	2.7	15.0	12.2
Tuxedo 16% Dairy	16.0	17.1	3.0	3.0	15.0	9.3
** Tuxedo 16% Dairy	16.0	18.5	3.0	2.3	15.0	8.4**
Tuxedo Chop (for Horses, Mules & for fitting Livestock)	9.0	10.5	3.0	3.5	10.0	7.3
Tuxedo Chop (for Horses, Mules & fitting Livestock)	9.0	11.7	3.0	2.9	10.0	5.7
Tuxedo Pig & Sow Meal	16.0	20.1	3.0	3.1	6.0	5.4
Tuxedo Porkmaker	14.0	15.3	3.0	4.4	8.0	7.8
Tuxedo Porkmaker	14.0	16.2	3.0	4.0	8.0	7.7
Tuxedo Porkmaker	14.0	13.7	3.0	4.6	8.0	7.9
B. A. ECKHART MILLING CO., CHICAGO, ILLINOIS						
** Standard Wheat Middlings with Screenings Contained mixed screenings	15.0	16.9	4.0	4.5	9.5	6.3**
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA						
Red Rose Laying Mash	20.0	20.7	3.5	3.7	5.5	5.0
Red Rose Complete Laying Ration	16.0	17.8	3.5	3.8	4.5	4.6
Eshelman Red Rose Dairy Feed	24.0	24.8	3.0	3.2	9.5	8.2
** Eshelman Red Rose 24% Dairy Feed	24.0	26.4	3.0	2.4	9.5	7.2**

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
JOHN W. ESHELMAN & SONS, LANCASTER, PENNSYLVANIA (Con't)						
Eshelman Red Rose 24% Dairy Feed	24.0	24.9	3.0	3.0	9.5	8.2
** Kentucky Challenge 24% Protein Dairy Feed	24.0	<u>20.0</u>	2.5	2.7	15.0	11.8**
Very much below guarantee in protein						
Red Rose 20% Dairy Feed	20.0	22.1	3.0	2.9	9.5	8.0
Pennsy 16% Dairy Feed	16.0	17.3	3.0	3.6	15.0	9.1
Red Rose 14% Protein Test-Cow Feed	14.0	16.6	3.5	3.2	8.5	6.9
** Red Rose Hog Meal	16.0	18.5	3.5	3.7	8.0	6.9**
Contained mixed screenings						
** Red Rose Hog Meal	16.0	16.9	3.5	3.4	8.0	6.8**
Contained mixed screenings						
EXCHANGE MILLING CO., STURGIS, KENTUCKY						
"Imperial Brand" 17% Protein All-Purpose Poultry Mash	17.0	20.3	2.5	3.4	7.0	5.6
EWING MILL CO., EWING, INDIANA						
Robertson Mixed Feed & Screenings (Low Protein)	12.0	14.4	3.5	3.7	8.5	5.6
FAMOUS FEED MILLS, NASHVILLE, TENNESSEE						
Uncle Dan 16% Dairy Feed	16.0	17.8	2.5	6.1	15.0	8.4
"Famous Brand" 40% Hog Supplement	40.0	39.5	4.0	5.4	7.0	5.8
FARMERS FEED & SUPPLY CO., ARLINGTON, KENTUCKY						
Farmers 20% Laying Mash	20.0	21.0	3.5	3.3	7.5	5.9
FARMERS & MERCHANTS MILLING CO., BROOKSVILLE, KENTUCKY						
Mixed Feed	14.5	14.4	3.0	4.1	8.0	5.5
Mixed Feed	14.5	14.4	3.0	4.1	8.0	5.7
FARMERS ELEVATORS, INC., OWENSBORO, KENTUCKY						
Feeders Friend Special 16% Dairy	16.0	17.3	3.0	3.3	10.0	8.0
** Feeders Friend 32% Steer Supplement	32.0	36.8	2.5	2.7	8.0	11.1**
Very much above guarantee in fiber .3% excess non-protein nitrogen from Urea						
Feeders Friend Pig Starter	18.0	19.5	3.0	3.8	5.0	2.6
FARMERS FEED MILL, JAMESTOWN, KENTUCKY						
Farmers 16% Dairy Feed	16.0	17.4	3.0	3.0	10.0	6.9
FARMERS TANKAGE CO., HENDERSON, KENTUCKY						
** 60% Digester Tankage	60.0	<u>56.0</u>	8.0	12.0	3.0	1.7**
Very much below guarantee in protein						
50% Meat & Bone Scraps	50.0	53.7	8.0	9.5	3.0	1.7

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
FARMERS UNION MILL, VERSAILLES, KENTUCKY						
Mixed Feed	13.0	13.3	4.5	5.2	8.5	8.1
THE FAUBUSH MILLING CO., FAUBUSH, KENTUCKY						
Faubush Mixed Feed	16.0	15.9	2.5	3.2	10.0	6.7
FERGUSON BROTHERS, ALBANY, KENTUCKY						
"C & C Yellow Tag Brand" 16% Dairy Feed	16.0	17.8	2.5	3.0	10.0	7.8
Domino Hog Feed	14.0	17.2	3.0	3.8	6.0	3.6
FERNCLIFF FEED & GRAIN CO., LOUISVILLE, KENTUCKY						
P.D.Q. 20% Protein Laying Mash	20.0	22.6	2.5	2.9	8.0	3.9
Ferncliff 24% Dairy Feed	24.0	25.9	2.5	3.2	11.0	8.3
Cracker Jack Brand 40% Pig & Hog Supplement	40.0	44.4	2.0	2.0	8.0	5.1
Cracker Jack Pig & Sow Feed	18.0	20.3	3.0	4.0	6.0	3.4
FIELD PACKING CO., OWENSBORO, KENTUCKY						
** Field's 60% Protein Digester Tankage	60.0	62.5	10.0	9.0	3.0	1.0**
Field's 60% Protein Digester Tankage	60.0	64.9	10.0	10.6	3.0	1.0
Field's 50% Protein Meat Scraps	50.0	53.2	10.0	11.9	3.0	1.2
FLAMBEAU MILLING CO., PHILLIPS, WISCONSIN						
Pulverized Mixed Feed Oats	11.0	11.9	4.5	5.1	14.7	11.2
HENRY FRUECHTENICHT CO., LOUISVILLE, KENTUCKY						
"Producer" Starter & Grower Mash	20.0	22.0	3.0	3.6	7.0	6.1
"Producer" Egg Mash	20.0	20.0	3.0	3.3	7.0	7.4
"Producer" Scratch Feed	8.0	10.2	2.5	2.8	3.0	1.9
** "Blue Grass" 33% Dairy Concentrates (with Urea)	33.0	35.6	2.0	3.0	8.0	6.3**
1.75% excess non-protein nitrogen from Urea						
"Blue Grass" 24% Dairy Feed (with Urea)	24.0	26.4	3.0	3.3	9.0	6.6
"Blue Grass" 24% Dairy Feed (with Urea)	24.0	26.8	3.0	3.3	9.0	6.7
"Producer" 24% Protein Dairy	24.0	26.0	2.5	3.6	11.0	5.4
"Producer" 24% Protein Dairy	24.0	27.3	2.5	3.0	11.0	6.4
"Producer" 24% Protein Dairy	24.0	27.3	2.5	3.4	11.0	6.2
"Blue Grass" 20% Dairy Feed (with Urea)	20.0	25.2	3.0	2.7	9.0	5.7
Blue Grass 20% Dairy Feed (with Urea)	20.0	23.1	3.0	3.9	9.0	6.5
** Blue Grass 20% Dairy Feed (with Urea)	20.0	26.6	3.0	3.6	9.0	6.6**
.2% excess non-protein nitrogen from Urea						
Blue Grass 20% Dairy Feed (with Urea)	20.0	25.2	3.0	3.9	9.0	5.6
"Producer" 16% Protein Dairy Feed	16.0	19.2	2.5	2.9	14.0	12.0
"Producer" 16% Protein Dairy Feed	16.0	17.6	2.5	3.2	14.0	12.7
"Producer" 16% Protein Dairy Feed	16.0	16.8	2.5	2.5	14.0	9.7

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HENRY FRUECHTENICHT CO., LOUISVILLE, KENTUCKY (Con't)						
"Producer" 16% Protein Dairy Feed	16.0	19.5	2.5	3.5	14.0	12.2
"Producer" 16% Protein Dairy Feed (with Urea)	16.0	18.7	2.5	2.4	14.0	11.1
"Producer" 16% Dairy Feed	16.0	18.7	2.5	3.2	14.0	10.1
"Producer" 16% Protein Dairy Feed (with Urea)	16.0	18.3	2.5	3.1	14.0	12.4
"Blue Grass" 40% Pig & Hog Supplement	40.0	42.3	2.5	3.3	8.0	6.5
"Blue Grass" 40% Pig & Hog Supplement	40.0	44.5	2.5	2.9	8.0	6.3
GARDEN STREET MILL & ELEVATOR CO., LOUISVILLE, KENTUCKY						
Garden Special 16% Protein Dairy Feed	16.0	18.7	2.5	3.7	15.0	13.0
Garden Special 16% Protein Dairy Feed	16.0	16.0	2.5	4.0	15.0	11.5
** Garden Special 16% Protein Dairy Feed 1.47% excess non-protein nitrogen from Urea	16.0	18.1	2.5	2.4	15.0	11.0**
Garden 16% Protein Dairy Feed	16.0	21.5	3.0	2.7	15.0	9.2
GARRARD MILLS, LANCASTER, KENTUCKY						
"Moore's Special Brand" 16% Dairy Feed	16.0	16.9	3.0	2.7	9.0	6.6
GENERAL MILLS, INC., MINNEAPOLIS, MINNESOTA						
Larro Surelay High Energy Crumbles	20.0	21.4	2.5	3.7	7.0	6.7
Larro Surechick Starting & Growing Mash	20.0	19.9	3.0	3.5	6.0	5.5
Larro Arsonic Growth Stimulant in Sure Broiler Finisher (Crumbled)	18.0	19.7	2.5	4.1	4.0	3.5
Larro Suremilk 20	20.0	22.0	2.5	2.7	12.0	8.5
Larro Suremilk 20, Milk Producing, Fitting and Freshening Feed	20.0	24.5	2.5	2.6	12.0	7.7
Larro Suremilk 14, Milk Producing, Fitting and Freshening Feed	14.0	17.1	2.5	3.0	12.0	7.3
Larro Surepork Complete All Purpose Hog Feed	15.0	17.6	3.0	4.0	6.0	4.4
Larro Surepork Complete "Washburn's Gold Medal Brand"	15.0	17.9	3.0	3.8	6.0	4.2
Adrian Hard Wheat Red Dog	16.0	16.8	3.5	3.8	4.0	2.7
Washburn's Gold Medal Wheat Gray Shorts and Ground Wheat Screenings not exceeding Mill Run	16.0	16.7	3.5	4.0	6.0	5.4
GENERAL DISTRIBUTORS, COVINGTON, KENTUCKY						
"General Feeds, Made Righ Brand" Hog Fattener	14.0	14.8	3.0	5.1	8.0	5.8
GERMANTOWN MILLING CO., GERMANTOWN, KENTUCKY						
Mixed Feed	14.0	15.4	3.0	3.4	8.0	5.6
Mixed Feed	14.0	15.3	3.0	4.2	8.0	5.5

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GILSTER MILLING CO., CHESTER, ILLINOIS						
Gilster's Wheat Gray Shorts	15.5	15.5	4.0	4.4	7.5	5.4
GLASGOW TRADING CENTER, GLASGOW, KENTUCKY						
Chowmix 20% Laying Mash	20.0	20.5	3.0	4.6	7.5	4.3
EDWARD F. GOEKE SONS, INC., EVANSVILLE, INDIANA						
Ultra Brand Grower Mash	17.0	18.9	3.5	3.7	6.0	6.4
** Gay-Key 18% Protein Poultry Mash	18.0	20.0	3.0	<u>2.2</u>	5.0	<u>7.0**</u>
Very much above guaranty in fiber						
** Gay-Key 18% Protein Poultry Mash	18.0	19.1	3.0	3.0	5.0	<u>7.0**</u>
Very much above guaranty in fiber						
Goeke's 40% Protein Hog Supplement	40.0	40.8	3.0	2.8	6.0	5.8
Goeke's 20% Pig & Hog Feed	20.0	19.9	3.0	3.5	5.0	5.3
GOLDCAMP MILL CO., IRONTON, OHIO						
** Egg-O 20% Laying Mash	20.0	21.5	3.5	4.8	7.0	<u>7.9**</u>
"Cream Flo Brand" 24% Protein Dairy Feed	24.0	25.3	3.5	3.5	10.0	8.5
GOLDEN ROD OIL MEAL SALES CO., MEMPHIS, TENNESSEE						
Golden Rod 41% Protein Cottonseed Meal	41.0	43.5	3.0	4.0	14.0	13.1
GOODRICH FEED MILLS, DIV. OF GOODRICH BROS., CO., WINCHESTER, INDIANA						
Good-Rich Broiler Ration containing Nitrophenide	20.0	20.9	3.0	4.4	4.5	4.8
GWINN BROS. & COMPANY, HUNTINGTON, W. VIRGINIA						
Gwinn's Merit Brand 20% Laying Mash	20.0	20.7	3.0	3.2	8.0	6.3
"Gwinn's Grade A Brand" 24% Dairy Feed	24.0	25.9	3.0	3.3	10.0	8.1
"Gwinn's Grade A Brand" 24% Dairy Feed	24.0	24.3	3.0	3.7	10.0	8.9
Banner 24% Dairy Feed	24.0	26.6	2.5	2.0	15.0	12.3
Sweet Acre 24% Dairy Feed	24.0	26.3	2.5	2.4	15.0	10.7
Gwinn's Make Milk 20% Dairy Feed	20.0	23.6	3.0	3.8	10.0	8.0
Gwinn's Red Brand Stock Feed	12.0	12.8	3.0	4.1	9.0	6.9
Wheat Standard Middlings	14.0	16.6	3.0	4.6	7.5	7.4
HALES & HUNTER COMPANY, CHICAGO, ILLINOIS						
Red Comb Egg Mash	20.0	20.3	3.0	4.8	7.0	5.7
Red Comb 1-Day Crate Fattening Pellets	10.0	9.8	2.0	2.1	9.0	7.8
Pioneer Pelleted Flaked 16 Dairy	16.0	16.3	3.5	3.5	9.0	5.7
Pioneer Beef Cattle 20% Protein	20.0	19.5	2.0	3.7	12.0	10.4
HANCOCK & FRANKLIN MILLS, LOUISVILLE, KENTUCKY						
"Arrow" Egg Mash	20.0	25.0	3.0	3.6	7.0	6.5
"Arrow" 24% Protein Dairy Feed	24.0	27.5	2.5	3.2	11.0	5.6
Arrow 24% Protein Dairy Feed	24.0	26.8	2.5	3.1	11.0	6.5
** Arrow 16% Protein Dairy Feed	16.0	20.1	2.5	2.7	14.0	9.5**
.16% excess non-protein nitrogen from Urea						

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
HARDIN MILLING CO., HARDIN, KENTUCKY						
** Marco 40% Protein Hog Supplement	40.0	42.7	4.0	<u>2.0</u>	7.0	<u>9.3**</u>
Very much above guarantee in fiber						
HARDY BROS. MILLS, WALTON, KENTUCKY						
Master 20% Egg Mash	20.0	21.9	2.5	2.7	7.0	6.2
Special Steer Feed	8.5	8.2	1.5	1.1	16.0	13.8
R. L. HARRISON & SON, BAGDAD, KENTUCKY						
** Harrison's 95% Grain Horse & Mule Feed	9.0	9.7	3.5	<u>2.7</u>	7.0	4.5**
THE P. H. HARSHA MILLING CO., PORTSMOUTH, OHIO						
"Harsha's Dixie-Sweet Brand" 24% Dairy Feed	24.0	23.9	3.0	2.5	12.0	10.8
** "Harsha's Dixie-Sweet Brand" 16% Dairy Feed	16.0	17.3	3.0	<u>1.6</u>	12.0	10.4**
EDWIN C. HAWKINS, PADUCAH, KENTUCKY						
"Record Brand" 20% Egg Mash	20.0	20.7	3.5	3.3	7.0	5.7
** "Record Brand" 16% Dairy Feed	16.0	16.1	3.0	<u>2.2</u>	15.0	13.1**
** "Record Brand" 16% Dairy Feed	16.0	16.8	3.0	<u>2.0</u>	15.0	13.2**
"Record Brand" Oat Mill Feed	10.0	10.3	3.5	<u>3.6</u>	18.0	16.1
HAYDON MILL & GRAIN CO., SPRINGFIELD, KENTUCKY						
Magic Pullet Grower	18.0	18.9	3.0	3.6	6.0	4.4
Magic Broiler Finisher	17.0	19.2	2.5	3.6	6.0	3.5
Magic Super All Mash Laying Mash	16.0	18.4	2.5	4.4	8.0	4.2
"Magic Brand" 16% Sweet Dairy Feed	16.0	19.2	2.5	2.4	15.0	9.0
"Magic 4-2-2 Brand" 16% Dairy Feed	16.0	17.6	2.5	2.6	10.0	4.5
"Magic Brand" Pig & Sow Feed	16.0	17.3	3.0	5.0	6.0	4.1
Magic Brand 14% Hog Fattener	14.0	14.8	3.0	3.3	7.0	4.1
"Magic Brand" Mixed Feed	11.0	14.0	3.0	3.4	10.0	6.0
"Magic Brand" Ground Wheat	8.5	10.8	2.0	1.8	3.0	3.3
HEAVEN HILL DISTILLERS INC., BARDSTOWN, KENTUCKY						
** Corn Distillers Dried Grains	27.0	28.5	10.0	<u>7.8</u>	10.0	9.7**
DR. HEINZ CO., WAHINGTON C. H., OHIO						
Heinz Nu-Way All-Mash Growing Ration	17.0	18.5	3.0	3.7	7.0	5.3
Heinz Nu-Way All-Mash Laying Ration	18.0	17.6	3.0	3.2	6.5	5.2
** Heinz Nu-Way 24% Dairy Feed	24.0	<u>22.7</u>	3.0	3.0	9.5	8.9**
Heinz Nu-Way 20% Dairy Feed	20.0	<u>19.6</u>	3.0	3.3	9.0	7.1
** Heinz Nu-Way 16% Dairy Feed	16.0	<u>15.4</u>	3.5	3.3	9.0	7.0**
HENDERSON FEED & COMMISSION CO., HENDERSON, KENTUCKY						
"Jim Dandy" 40% Protein Hog Supplement	40.0	44.8	1.2	2.7	7.5	5.4

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
THE HEYMAN CO., INC., MEMPHIS, TENNESSEE						
Yellow Hammer Brand Prime 41% Protein Cottonseed Meal	41.0	41.0	5.0	5.3	13.0	12.9
HICKMAN COUNTY FEED MILL, CLINTON, KENTUCKY						
"Standard Brand" 16% Protein Dairy Feed	16.0	17.4	2.5	3.0	10.0	10.2
HODGENVILLE ROLLER MILLS, HODGENVILLE, KENTUCKY						
Lincoln Mixed Feed	14.0	13.7	4.0	4.4	8.0	6.7
HOME MILLING CO., GREENVILLE, KENTUCKY						
Happy Home 16% Sweet Dairy Feed	16.0	17.2	3.0	3.2	15.0	10.8
"Farm-Wa Brand" Dairy Feed	16.0	19.1	4.0	4.5	12.0	7.0
"Champion Brand" 18% Hog Ration	18.0	20.5	3.0	6.4	8.0	8.5
HOPKINSVILLE MILLING CO., HOPKINSVILLE, KENTUCKY						
"Life Cycle Brand" 18% Protein Poultry Mash	18.0	18.8	3.5	4.1	7.0	6.4
"Sunflower Brand" 26% Protein Dairy Feed	26.0	26.4	2.5	3.5	12.0	10.0
"Sunflower" Wheat Brown Shorts with Screenings	15.0	15.2	3.5	4.6	7.5	7.5
Hominy Feed	10.0	10.5	7.0	7.8	8.0	5.9
HORSE CAVE MILLS, HORSE CAVE, KENTUCKY						
Superior Brand Mixed Feed	12.0	14.9	3.0	3.5	8.5	7.4
DELBERT HUFFMAN, FORDSVILLE, KENTUCKY						
Crushed Ear Corn & Shuck	7.0	7.0	3.0	3.2	11.0	5.0
HUMPHREYS-GODWIN CO., MEMPHIS, TENNESSEE						
Dixie Brand 41% Cottonseed Meal	41.0	41.1	4.0	4.9	12.0	12.0
Dixie Brand 41% Cottonseed Meal	41.0	41.6	3.0	4.0	12.0	12.1
Dixie Brand 41% Protein Cottonseed Meal	41.0	41.1	4.0	4.7	12.0	11.2
IGLEHEART BROS. DIV. GENERAL FOODS CORP., EVANSVILLE, INDIANA						
Winter Wheat Gray Shorts & Screenings	14.0	15.2	3.5	4.3	6.0	6.0
Wheat Bran	13.5	14.9	3.5	3.4	11.0	8.8
ILLINOIS CEREAL MILLS, INC., PARIS, ILLINOIS						
Hominy Feed	10.0	12.2	5.0	7.0	5.0	4.4
J. F. IMBS MILLING CO., BELLVILLE, ILLINOIS						
"Charm" Winter Wheat Bran	14.5	15.6	3.7	3.9	10.0	9.2
JACKSON COTTON OIL MILL, JACKSON, TENNESSEE						
"Bell Cow Brand" 41% Protein Cottonseed Meal	41.0	40.8	5.0	5.8	12.0	12.2

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
JASPER MILLING CO., SCIENCE HILL, KENTUCKY						
Wheat Mixed Feed	13.0	13.1	3.5	3.6	7.0	6.4
KASCO MILLS, INC., TOLEDO, OHIO						
Kasco Mormilk Dairy Feed	24.0	25.4	2.5	3.2	10.0	7.5
Kasco Mormilk 20% Dairy Feed	20.0	24.0	2.5	2.7	11.0	9.0
Kasco Sweet 16% Dairy Feed	16.0	17.4	3.0	3.3	11.0	8.8
KECO MILLING CO., MCKENZIE, TENNESSEE						
** Thrifty 24% Dairy Feed	24.0	<u>19.8</u>	3.0	3.8	12.0	9.6**
Very much below guarantee in protein						
Keco 16% Dairy Feed	16.0	18.0	2.5	2.5	15.0	14.0
Keco 20% Pig & Sow	20.0	21.8	3.5	4.7	8.0	8.2
KELLER HAY & GRAIN CO., NEWPORT, KENTUCKY						
Big K 40% Hog Supplement	40.0	42.7	2.5	3.1	8.0	6.9
KEVIL FEED & SUPPLY CO., KEVIL, KENTUCKY						
"Kuykendall's" Crushed Ear Corn & Shuck	7.0	9.9	3.0	3.0	8.0	8.0
F. W. KIBLER MILLING COMPANY, MT. ORAB, OHIO						
** Kibler 40% Protein Hog Supplement	40.0	40.0	3.0	<u>2.4</u>	8.0	6.1**
KREY PACKING CO., ST. LOUIS, MISSOURI						
Krey's Digester Tankage	60.0	64.7	5.0	11.2	3.0	2.4
LAKE COUNTY OIL MILL, TIPTONVILLE, TENNESSEE						
** 41% Protein Cottonseed Meal	41.0	41.4	4.0	4.1	10.0	<u>12.0**</u>
** 41% Protein Cottonseed Meal	41.0	<u>37.4</u>	4.0	3.8	10.0	<u>13.9**</u>
Very much below guarantee in protein and above in fiber						
** 41% Protein Cottonseed Meal	41.0	41.1	4.0	3.6	10.0	<u>12.1**</u>
Very much above guarantee in fiber						
LEXINGTON ROLLER MILLS, INC. LEXINGTON, KENTUCKY						
"Thoroughbred Brand" Ky. Queen 20% Protein Starting & Growing All Mash	20.0	22.4	3.5	4.4	6.0	5.8
** "Thoroughbred Brand" (Kentucky Queen) 20% Protein Starting & Growing All Mash	20.0	22.6	3.5	3.8	6.0	<u>7.1**</u>
"Thoroughbred Brand" (Kentucky Queen) 20% Protein Starting & Growing All Mash	20.0	20.7	3.0	4.3	6.0	6.3
** "Thoroughbred Brand" (Ky Queen) 20% Protein Starting & Growing All Mash	20.0	21.5	3.5	4.2	6.0	<u>6.7**</u>
"Thoroughbred Brand" (Ky Queen) 20% Protein Egg Mash	20.0	22.6	4.0	3.9	8.0	7.2

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
LEXINGTON ROLLER MILLS INC., LEXINGTON, KENTUCKY (Con't)						
"Thoroughbred Brand" (Ky Queen) 20% Protein Egg Mash	20.0	22.0	4.0	4.4	8.0	7.5
"Thoroughbred Brand" (Ky Queen) 20% Protein Egg Mash	20.0	19.8	4.0	4.3	8.0	6.8
"Thoroughbred Brand" Scratch Feed	8.0	10.3	2.5	2.9	3.0	2.3
"Thoroughbred Brand" Scratch Feed	8.0	10.2	2.5	2.6	3.0	2.1
Capitol Scratch Feed	8.0	10.9	2.5	4.2	4.5	3.2
"Thoroughbred Brand" 24% Protein Sweet Dairy Feed	24.0	24.4	3.0	4.0	8.0	8.2
"Thoroughbred Brand" 16% Protein Sweet Dairy Feed	16.0	21.9	3.0	3.0	10.0	7.8
"Thoroughbred Brand" 16% Protein Sweet Dairy Feed	16.0	18.6	3.0	4.3	10.0	7.8
** "Sweet Sue" 16% Protein Sweet Dairy Feed	16.0	16.1	3.0	<u>2.4</u>	15.0	<u>16.1**</u>
1.08% excess non-protein nitrogen from Urea						
** "Sweet Sue" 16% Protein Sweet Dairy Feed	16.0	18.2	3.0	<u>1.7</u>	15.0	<u>17.4**</u>
Very much above guarantee in fiber 1.88% excess non-protein nitrogen from Urea						
"Bossie" Stock Feed	13.0	13.5	3.0	3.7	11.0	8.3
"Thoroughbred Brand" Horse & Mule Feed	9.0	9.8	3.0	4.0	6.0	4.0
"Thoroughbred Brand" Horse & Mule Feed	9.0	9.5	3.0	3.3	6.0	4.4
"Thoroughbred Brand" 16% Pig & Hog Ration	16.0	21.3	3.0	2.8	6.0	6.3
"Thoroughbred Brand" 16% Pig & Hog Ration	16.0	17.0	3.0	3.6	6.0	4.7
LOFTON'S MILL, PROVIDENCE, KENTUCKY						
** "Farmers' Sweet Brand" 24% Protein Dairy Feed	24.0	<u>22.8</u>	3.0	3.1	10.0	10.5**
LOUISA SUPPLY COMPANY, LOUISA, KENTUCKY						
Louisa Screened Cracked Corn	8.0	8.3	4.0	3.8	2.5	2.3
L. B. LOVITT & CO., MEMPHIS, TENNESSEE						
** "Lovitt Brand" 41% Protein Cottonseed Meal	41.0	41.4	4.0	5.4	13.0	<u>13.7**</u>
"Lovitt Brand" 41% Protein Cottonseed Meal	41.0	40.7	4.0	5.0	13.0	13.3
"Lovitt Brand" 41% Protein Cottonseed Meal	41.0	42.7	4.0	4.3	13.0	10.4

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
LYNN GROVE FEED & SEED CO., LYNN GROVE, KENTUCKY						
41% Protein Cottonseed Meal	41.0	41.8	3.0	3.5	13.0	11.5
LYNN GROVE MILLING CO., LYNN GROVE, KENTUCKY						
Wheat Bran and Shorts	14.0	14.4	3.5	3.4	8.0	6.0
McMILLEN FEED MILLS, FORT WAYNE, INDIANA						
Master Mix Egg Mash	20.0	22.9	2.5	2.7	7.0	7.0
Master Mix Pig-Ets (with Methio-Vite)	18.0	19.2	3.0	4.0	4.0	3.3
MARKIN FEED CO., IRONTON, OHIO						
** Markin Special 16% Protein Dairy Feed	16.0	16.8	2.5	<u>1.5</u>	15.0	13.3**
MAYFIELD MILLING CO., MAYFIELD, KENTUCKY						
Economy Brand 16% Dairy Feed	16.0	17.2	2.5	2.6	14.0	9.7
"Kentucky Pride Brand" 55% Grain						
Horse & Mule Feed	10.0	9.5	3.0	2.6	13.0	12.9
** "Kentucky Pride Brand" 55% Grain						
Horse & Mule Feed	10.0	10.2	3.0	<u>2.4</u>	13.0	11.8**
White Chester 40% Hog Supplement	40.0	39.9	2.0	<u>4.2</u>	7.0	5.3
** White Chester 40% Hog Supplement	40.0	42.2	4.5	<u>3.5</u>	7.0	7.0**
MAYFIELD SWEET FEED MILL, MAYFIELD, KENTUCKY						
** Fifty-Fifty Scratch Feed	9.5	10.5	3.0	<u>2.3</u>	3.0	2.2**
"State Leader Brand" 16% Protein						
Dairy Feed	16.0	17.0	2.5	2.8	9.0	7.3
MEAD ALFALFA MILLING CO., MEAD, NEBRASKA						
17% Dehydrated Alfalfa Meal	17.0	17.6	1.7	2.4	27.0	27.3
THE MENNEL MILLING CO., TOLEDO, OHIO						
Memo Wheat Gray Middlings with						
Screenings	15.0	16.2	4.0	4.5	6.0	6.2
Memo Wheat Gray Middlings with						
Screenings	15.0	16.2	4.0	4.0	6.0	6.4
MIDDLESBORO MILLING CO., MIDDLESBORO, KENTUCKY						
"Good Value Brand" 16% Protein						
Dairy Feed	16.0	18.6	3.5	3.3	14.0	9.2
MIDGET MILLS, SOMERSET, KENTUCKY						
13% Protein Stock Feed	13.0	12.5	2.5	3.3	9.0	7.9
RUSSELL-MILLER MILLING CO., MINNEAPOLIS, MINNESOTA						
Occident Layer	20.0	22.0	2.5	3.0	7.5	6.8
MONROE SWEET FEED MILL, TOMPKINSVILLE, KENTUCKY						
"Double Duty Brand" 20% Laying Mash	20.0	21.1	3.5	3.4	7.5	5.4
MORGANTOWN FEED MILL, MORGANTOWN, KENTUCKY						
"Flavo Brand" 20% Protein Laying						
Mash	20.0	20.0	2.5	4.3	7.0	6.1
"Flavo Brand" 40% Protein Hog						
Supplement	40.0	44.7	4.0	3.6	7.5	5.7

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
MYERS & CLARK CO., INC., ASHLAND, KENTUCKY						
Ideal Brand 20% Protein Laying Mash	20.0	21.4	3.0	4.1	8.0	6.3
Mi Choice Brand 20% Laying Mash	20.0	22.7	3.0	4.5	8.0	6.8
Mi Choice Brand 20% Laying Mash	20.0	23.0	3.0	4.6	8.0	6.7
Ideal Brand 32% Dairy Feed	32.0	32.8	2.5	2.3	12.0	10.5
** Myers Special 24% Dairy Feed	24.0	25.1	2.5	1.6	12.0	11.4**
Ideal Brand 24% Protein Dairy Feed	24.0	24.3	3.0	2.8	14.0	8.3
** Special Brand 24% Protein Dairy Feed 1.35% excess non-protein nitrogen from Urea	24.0	25.5	3.0	3.2	15.0	10.8**
** Special Brand 24% Protein Dairy Feed 1.05% excess non-protein nitrogen from Urea	24.0	25.3	3.0	3.2	15.0	12.0**
** Special Brand 16% Protein Dairy Contained mixed screenings	16.0	16.9	2.5	2.2	15.0	11.4**
Ideal Brand 85% Grain Horse & Mule Feed	10.0	9.6	3.0	3.1	12.0	7.0
Ideal Brand 85% Grain Horse & Mule Feed	10.0	10.4	3.0	2.7	12.0	6.9
Ideal Brand 17% Protein Hog & Pig Feed	17.0	18.6	3.0	5.4	8.0	7.2
Ideal Pork Maker	14.0	15.7	3.0	4.0	8.0	7.0
Ideal Pork Maker	14.0	15.6	3.0	2.7	8.0	7.2
NASHVILLE COTTON OIL MILL CORP., NASHVILLE, TENNESSEE						
41% Protein Cottonseed Meal	41.0	41.2	3.0	3.9	13.0	12.0
41% Protein Cottonseed Meal	41.0	41.0	3.0	4.5	13.0	12.8
41% Protein Cottonseed Meal	41.0	42.3	3.0	3.9	13.0	12.1
41% Protein Cottonseed Meal	41.0	41.7	3.0	3.8	13.0	11.9
41% Protein Cottonseed Meal	41.0	42.0	3.0	4.5	13.0	12.0
41% Protein Cottonseed Meal	41.0	41.2	3.0	5.1	13.0	12.3
41% Protein Cottonseed Meal	41.0	40.6	3.0	4.4	13.0	12.6
NATIONAL BISCUIT CO., TOLEDO, OHIO						
Namico Wheat Middlings with Screenings	14.0	14.9	3.5	4.0	9.5	6.1
Namico Wheat Middlings with Screenings	14.0	15.5	3.5	4.1	9.0	6.2
NATIONAL OATS CO., EAST ST. LOUIS, ILLINOIS						
Corno Laying Mash	20.0	22.0	2.5	3.6	8.0	6.8
Corno Hen Scratch	9.0	11.2	2.5	3.2	4.0	2.3
Corno Cattle Supplement "A"	30.0	37.2	1.0	2.3	8.0	6.9
Corno Pig Supplement	40.0	41.6	1.0	3.4	7.5	6.0
THE NEW ERA MILLING CO., ARKANSAS CITY, KANSAS						
Polar Bear Wheat Gray Shorts with Screenings	16.0	16.2	4.0	3.6	6.0	6.2

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
CHAS. NUNN & SONS MILLING CO., EVANSVILLE, INDIANA						
Banner Sweet 16% Dairy Feed	16.0	18.4	2.5	2.4	12.5	11.7
Nunn Better 20% Pig Starter & Shoat Grower	20.0	19.9	2.5	3.1	6.0	4.9
Nunn-Better 14% Hog Fattener	14.0	15.9	2.5	3.4	5.0	3.5
Nunn Better Complete All Purpose Rabbit Pellets	15.0	16.3	2.0	3.3	17.0	14.4
Nunn-Better Wheat Mixed Feed and Screenings	13.5	14.1	3.0	3.7	7.0	6.3
OWENSBORO GRAIN CO., INC., OWENSBORO, KENTUCKY						
OGRACO 44% Protein Solvent Extracted Soybean Oil Meal	44.0	45.9	.5	.8	7.0	5.7
OGRACO 44% Protein Extracted Soybean Oil Meal	44.0	45.7	.5	.8	7.0	5.7
OWENSBORO MILLING CO., OWENSBORO, KENTUCKY						
Barnyard Hen Scratch	8.3	9.6	3.0	3.1	3.0	2.0
** Sugar Lassie Dairy Feed .16% excess non-protein nitrogen from Urea	16.0	20.1	2.5	2.7	15.0	7.2**
Sugar Lassie Dairy Feed	16.0	18.3	2.5	1.9	15.0	10.6
Star 16 1/2% Dairy Feed	16.5	18.2	2.5	2.4	10.0	6.3
PAN AMERICAN MILLS, BOWLING GREEN, KENTUCKY						
** Green Valley 20% Dairy Feed 2.02% excess non-protein nitrogen from Urea	20.0	21.4	4.0	3.8	15.0	7.2**
** Green Valley 20% Dairy Feed 2.82% excess non-protein nitrogen from Urea	20.0	21.6	4.0	4.4	15.0	9.0**
** Green Valley 20% Dairy Feed .92% excess non-protein nitrogen from Urea	20.0	21.5	4.0	4.0	15.0	8.1**
** Bell Ringer 16% Dairy Feed .51% excess non-protein nitrogen from Urea	16.0	16.7	3.0	3.1	15.0	11.0**
PARAMOUNT FEED MILLS, LOUISVILLE, KENTUCKY						
Paramount 20% Protein Egg Mash	20.0	21.5	2.5	2.7	8.0	4.2
PENNINGTON MILLING CO., PENNINGTON GAP, VIRGINIA						
** "Red Bird" Scratch Grains	10.0	9.4	3.0	3.0	3.5	2.0**
PEMBROKE ROLLER MILLS, PEMBROKE, KENTUCKY						
Mixed Feed	14.5	14.9	3.5	3.8	7.5	5.5
G. H. PHILLIPS & SON FEED MILL, PEKIN, INDIANA						
Sulfaquinoxaline and 3-Nitro-4-Hydroxy- phenylarsonic Acid in G. H. Phillips & Sons High Efficiency Broiler Mash	20.0	21.4	3.0	3.2	4.0	3.8

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
G. H. PHILLIPS & SONS FEED MILLS, PEKIN, INDIANA (Con't)						
Sulfaquinoxaline and 3-Nitro-4-Hydroxy-phenylarsonic Acid in G. H. Phillips Finisher Efficiency Broiler Finisher	18.0	19.0	3.0	3.6	4.0	3.4
PILLSBURY MILLS INC., CLINTON, IOWA						
Pillsbury's Best Turkey Breederation	16.0	17.5	3.0	4.5	7.0	7.0
Pillsbury's Best Laying Mash	20.0	21.2	3.0	3.0	8.0	6.1
Pillsbury's Best Laying Mash	20.0	19.6	3.0	3.7	8.0	6.2
Pillsbury's Best Laying Mash	20.0	20.4	3.0	4.0	8.0	7.0
Pillsbury's Best 20% Dairy Feed	20.0	21.3	3.0	3.5	9.0	6.6
Pillsbury's Best 16% Dairy Feed	16.0	16.1	3.0	3.5	9.0	7.8
Pillsbury's Champion 16% Dairy Feed	16.0	15.7	3.0	3.4	12.0	8.7
** Dutch Maid 16% Dairy Feed	16.0	16.0	3.0	2.4	14.0	9.6**
Pillsbury's Best Special Horse Feed	10.0	11.7	2.5	2.5	10.0	5.5
** Pillsbury's Best Sow Ration	18.0	19.0	3.0	2.8	6.0	6.8**
Pillsbury's Best Sow Ration	18.0	19.2	3.0	3.8	6.0	6.2
** Pillsbury's Best Sow Ration	18.0	19.1	3.0	3.4	6.0	6.8**
Pillsbury's Best Pig Feast	18.0	18.9	3.0	5.0	5.5	4.0
Pillsbury's Champion Hog & Sow Ration	18.0	18.5	2.5	4.1	8.0	6.0
** Pillsbury's Wheat Gray Shorts Contained mixed Screenings	16.0	18.1	3.5	4.4	6.0	6.2**
PLANTERS MANUFACTURING CO., CLARKSDALE, MISSISSIPPI						
41% Protein Solvent Extracted Cottonseed Meal	41.0	41.4	.5	.5	14.0	11.6
PRINCETON MILLS, PRINCETON, KENTUCKY						
** Chowmix 16% Dairy Feed B	16.0	14.8	3.0	1.8	15.0	11.4**
PROVICO FEEDS & CONCENTRATES, CINCINNATI, OHIO						
Provico 22% Protein Turkey Grower	22.0	24.2	3.5	4.2	7.0	6.3
Provico 20% Big V Egg Mash	20.0	20.8	3.0	3.7	8.0	6.5
Provico 24% Big V Dairy Feed	24.0	24.5	3.0	3.4	15.0	10.0
Provico 16% Big V Hog Feed	16.0	17.4	3.0	5.0	8.0	7.8
THE QUAKER OATS CO., CHICAGO, ILLINOIS						
Ful-O-Pep Milking Feed	16.0	15.7	2.5	2.2	11.0	10.4
Ful-O-Pep Milking Feed	16.0	16.6	2.5	2.2	11.0	11.0
Ful-O-Pep Pig-N-Sow Feed	18.0	20.4	3.0	3.3	8.0	8.2
RALSTON PURINA CO., ST. LOUIS, MISSOURI						
Purina Turkey Growing Chow	26.0	28.0	2.5	3.3	8.0	6.2
Purina Turkey Growena	20.0	22.1	3.0	4.1	7.0	5.8
Purina Turkey Growena	20.0	21.7	3.0	3.5	7.0	5.0
Purina Turkey Growena	20.0	20.8	3.0	3.5	7.0	5.5
Purina Turkey Fatena	15.5	17.3	2.5	4.0	8.0	5.7
Purina Chick Growing Chow C	23.0	24.7	2.5	3.0	8.0	5.4
Purina Chick Growena C	17.0	18.2	3.0	3.6	7.0	5.3

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
RALSTON PURINA CO., ST. LOUIS, MISSOURI (Con't)						
Broiler Finisher with 3-Nitro-4-Hydroxyphenylarsonic Acid Mixture	18.0	18.6	4.5	5.3	4.5	4.2
Purina Broiler Finisher with 3-Nitro-4-Hydroxyphenylarsonic Acid Mixture	18.0	20.1	4.5	5.1	4.5	4.9
Purina Cage Layena (Complete Ration)	16.0	17.9	3.0	4.1	5.5	5.2
Purina Layena (Complete Ration)	15.5	18.5	3.0	3.4	6.0	5.2
Purina Layena (Complete Ration)	15.5	16.1	3.0	4.2	6.0	4.5
Purina Layena (Complete Ration)	15.5	17.6	3.0	3.7	6.0	5.7
Purina Layena (Complete Ration)	15.5	16.9	3.0	3.8	6.0	4.3
Purina Lay Chow	20.0	21.8	2.5	3.5	6.5	5.4
Purina Breeder Lay Chow	20.0	21.6	2.5	2.7	6.5	5.5
Breeder Lay Chow	20.0	21.7	2.5	4.0	6.5	6.2
Purina Dairy Chow	16.0	20.7	2.5	2.2	15.0	6.6
** Purina Cow Chow	18.0	20.5	3.0	2.3	10.0	6.9**
** Purina Cow Chow	18.0	20.9	3.0	<u>2.4</u>	10.0	6.8**
Purina Milk Chow	16.0	16.3	2.5	2.6	10.0	7.4
Purina Milk Chow	16.0	16.1	2.5	2.8	10.0	7.6
Purina Milk Chow	16.0	16.6	2.5	3.1	10.0	7.4
Purina Dairy Chow	16.0	15.8	2.5	2.4	15.0	8.5
Purina D & F Chow	12.5	14.1	2.5	2.6	12.0	9.0
Purina Steer Fatena	32.0	32.1	2.0	1.8	12.0	6.1
** Purina Steer Fatena	32.0	<u>31.3</u>	2.0	1.8	12.0	6.1**
** Purina Steer Fatena	32.0	<u>31.0</u>	2.0	2.0	12.0	7.3**
Purina Special Steer Fatena	32.0	<u>31.9</u>	2.0	1.8	12.0	7.1
** Purina Special Steer Fatena	32.0	31.2	2.0	2.8	12.0	8.4**
** Purina Steer Fatena G (S)	20.0	31.1	2.5	2.7	10.0	6.0**
6.50% excess non-protein nitrogen from Urea						
Purina Steer Fatena G (K)	20.0	23.1	2.5	2.5	10.0	4.7
Purina Range Checkers A	20.0	22.3	2.5	2.1	8.0	6.8
Purina Calf Startena	19.5	20.3	2.5	2.4	9.5	7.7
Purina Calf Startena	19.5	20.3	2.5	2.5	9.5	8.9
Purina Creep Chow (For Beef Calves)	13.0	16.8	2.0	3.1	6.0	5.8
Purina Bulky Las Roughage Feed	10.0	11.8	1.5	1.5	15.0	13.5
Purina Pig Startena	18.0	20.2	3.0	3.8	6.0	3.7
Purina Pig Startena	18.0	19.5	3.0	3.7	6.0	4.3
Purina Complete Sow & Pig Chow	16.0	17.8	2.5	3.3	6.0	4.1
Purina Complete Sow & Pig Chow	16.0	19.4	3.0	2.7	6.0	4.8
Purina Complete Sow & Pig Chow	16.0	21.8	2.5	2.9	6.0	5.1
Purina Rabbit Chow Checkers (Complete Ration)	15.0	19.0	2.0	2.3	18.0	14.9
RENFRO SUPPLY CO., WILLIAMSBURG, KENTUCKY						
"Renfro Brand" 20% Protein Laying Mash	20.0	20.8	3.5	3.6	7.0	4.1

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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	13.7	3.0	3.6	8.0	4.6
RIVERSIDE OIL MILL, MARKS, MISSISSIPPI						
Solvent Extracted 41% Protein Cottonseed Meal	41.0	42.4	.5	.5	13.0	12.0
ROBBINS BROTHERS, AUBURN, KENTUCKY						
** Hominy Feed	10.0	10.0	7.0	<u>6.4</u>	8.0	7.8**
** Hominy Feed	10.0	<u>9.3</u>	7.0	<u>5.8</u>	8.0	<u>10.5**</u>
Very much above guarantee in fiber						
ROBINSON MILLING COMPANY, SOMERSET, KENTUCKY						
Green Valley 24% Dairy Feed	24.0	23.9	3.0	3.4	14.0	12.0
** Happy Home 16% Sweet Dairy Feed	16.0	17.2	3.0	3.5	15.0	14.1**
1.70% excess non-protein nitrogen from Urea						
Sun-Ray Pig & Hog Ration	17.0	17.9	3.5	4.5	6.0	5.6
Sun-Ray Horse & Mule Feed	10.0	10.1	3.0	3.0	8.0	5.3
ROSS FEED COMPANY, MURRAY, KENTUCKY						
"Standard Brand" 16% Dairy Feed	16.0	19.1	3.0	2.7	8.5	8.5
P. M. ROWNTREE, BENTON, KENTUCKY						
Wheat Mixed Feed & Screenings	13.0	14.6	3.5	3.3	8.5	7.3
RUSSELL GRAIN CO., HILLIARDS, OHIO						
** Russell's 24% Dairy Feed 262	24.0	24.4	3.5	<u>2.8</u>	11.0	6.7**
2.8% excess non-protein nitrogen from Urea						
Russell's 16% Dairy Feed 262	16.0	22.1	2.5	3.2	14.0	6.1**
.4% excess non-protein nitrogen from Urea						
SANDUSKY BROTHERS, HARRODSBURG, KENTUCKY						
Cracked Corn and Wheat	9.5	9.9	3.0	3.1	3.0	2.3
SCIENTIFIC MILLING CO., EAST ST. LOUIS, ILLINOIS						
Scientific 24% Dairy Feed	24.0	24.2	2.5	2.3	14.0	9.9
Scientific 16% Dairy Feed	16.0	17.0	3.0	3.1	14.0	13.3
J. W. SETTLE, FRANKFORT, KENTUCKY						
Bellinger 16% Dairy Feed	16.0	18.1	3.0	2.7	15.0	4.7
SLAUGHTERS MILLING CO., SLAUGHTERS, KENTUCKY						
Mixed Feed	12.0	13.7	4.0	4.1	8.7	6.8
Wheat Mixed Feed & Screenings	13.5	14.0	3.0	3.8	8.5	5.4
J. ALLEN SMITH & CO., KNOXVILLE, TENNESSEE						
Peerless Brand Feed	13.5	15.5	3.5	4.3	8.5	7.0

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
SOUTHEASTERN FEED MILLS, ATLANTA, GEORGIA						
"Hi-Test Brand" Scratch Grains	9.0	10.8	2.5	3.1	3.0	2.2
THE SOUTHERN COTTON OIL CO., SHEFFIELD, ALABAMA						
** Sco-Co Brand 41% Protein Cottonseed Meal	41.0	<u>39.8</u>	5.0	5.1	13.0	13.1**
SPARKS FEED MILL, GRADYVILLE, KENTUCKY						
Big Creek 16% Dairy Feed	16.0	17.7	3.0	2.9	13.0	11.5
STALEY MILLING CO., KANSAS CITY 16, MISSOURI						
Four Bells Atoms Brand Duo Egg Producer	20.0	20.9	2.5	3.6	8.0	5.6
STANDARD FEED MILLING CO., ATLANTA, GEORGIA						
Wheat Gray Shorts & Screenings	16.0	16.0	4.0	4.3	6.0	6.3
STANDARD MILLS, HUNTINGTON, W. VIRGINIA						
** Rainbow 24% Dairy Feed	24.0	24.8	2.5	<u>1.8</u>	15.0	9.6**
STRECK BROS., BELLVILLE, ILLINOIS						
Superior Brand Meat Scraps	50.0	53.6	9.5	9.4	1.7	1.4
STURGIS MILLING CO., STURGIS, KENTUCKY						
Neva-Fail 16% Sweet Dairy	16.0	18.1	2.5	2.5	15.0	9.5
** "Neva-Fail Brand" 16% Protein Dairy Feed	16.0	17.5	3.0	<u>2.3</u>	14.0	9.3**
** "Neva-Fail Brand" 16% Protein Dairy Feed	16.0	15.1	3.0	3.1	14.0	9.2**
"Hoppy's" 20% Pig & Sow Meal	20.0	22.0	3.0	3.9	6.0	6.1
Chopped Corn	8.0	8.9	3.5	3.6	3.0	2.1
** Chopped Corn	8.0	9.1	3.5	<u>2.8</u>	3.0	2.1**
SUMMER SHADE ROLLER MILLS, SUMMER SHADE, KENTUCKY						
Summer Shade Egg Laying Mash	20.0	20.6	2.5	4.2	8.0	6.0
Scratch Feed	9.0	9.4	2.0	3.2	4.0	2.2
Summer Shade Horse & Mule Feed	9.0	9.4	2.0	3.6	7.0	5.1
Cracked Corn	8.0	9.9	3.5	3.7	3.0	2.0
SUN RAY FEED MILLS, LEXINGTON, KENTUCKY						
Sun Ray 20% Egg Mash	20.0	21.4	3.0	3.4	7.0	5.9
"Booster Brand" 20% Laying Mash	20.0	21.4	3.5	3.3	7.0	5.9
"Booster Brand" 20% Laying Mash	20.0	21.6	3.5	3.6	7.0	5.4
Sugar Creek 20% Laying Mash	20.0	21.6	3.5	3.8	7.0	6.1
Green Valley Special 24% Dairy Feed	24.0	28.1	2.5	2.6	10.0	8.3
Green Valley Special 24% Dairy Feed	24.0	26.1	2.5	2.2	10.0	7.8
** Green Valley Special 24% Dairy Feed .4% excess non-protein nitrogen from Urea	24.0	30.2	2.5	3.1	10.0	8.8**
Green Valley Special 24% Dairy Feed	24.0	28.5	2.5	3.2	10.0	8.4
** Green Valley Special 24% Dairy Feed	24.0	<u>23.2</u>	2.5	2.9	10.0	9.8**
Green Valley Special 24% Dairy Feed	24.0	25.5	2.5	2.9	10.0	8.1

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
SUN RAY FEED MILLS, LEXINGTON, KENTUCKY, (Con't)						
Sugar Creek 24% Dairy Feed	24.0	28.2	2.5	2.4	10.0	8.7
Green Valley Special 16% Dairy Feed	16.0	18.1	2.5	2.8	10.0	8.9
Sugar Creek 16% Dairy Feed	16.0	15.7	2.5	3.3	10.0	9.7
"Kow Kandy Brand" 16% Dairy Feed	16.0	16.8	3.0	2.8	15.0	12.3
Sun Ray 40% Hog Supplement	40.0	41.0	2.5	6.1	7.0	6.3
Sun Ray Pig & Hog Ration	17.0	20.2	3.5	6.0	6.0	6.5
** Sun Ray Hominy Feed	10.0	9.7	5.0	3.8	6.0	2.9**
** "Sun Ray" 16% Protein Dairy Feed .4% excess non-protein nitrogen from Urea	16.0	17.4	3.5	5.0	10.0	5.2**
Green Valley 16% Dairy Feed	16.0	16.5	3.0	4.2	15.0	8.7
** Booster Brand 16% Stock Feed	16.0	15.2	3.5	5.2	9.0	5.4**
Booster Brand 18% Protein Pig & Hog Feed	18.0	19.0	4.0	5.3	7.0	5.8
SUNSHINE BISCUITS, INC., GRAFTON, OHIO						
U. M. C. Wheat Middlings with Screenings	14.0	16.1	3.5	4.2	9.5	6.5
U. M. C. Wheat Middlings with Screenings	14.0	16.0	3.5	4.2	9.5	7.1
SUPREME FEED MILLS, GLASGOW, KENTUCKY						
"Supreme Brand" 20% Protein Laying Mash	20.0	22.1	3.5	4.1	7.0	4.4
"Supreme Brand" 20% Protein Laying Mash	20.0	20.2	3.5	4.1	7.0	4.4
"Supreme Brand" 20% Protein Laying Mash	20.0	21.2	3.5	3.8	7.0	4.6
Premo Brand 24% Dairy Feed	24.0	26.0	3.0	2.5	12.5	11.2
** Premo Brand 24% Dairy Feed Very much below guaranty in protein and above in fiber	24.0	21.3	3.0	1.3	12.5	18.1**
** Premo Brand 24% Dairy Feed	24.0	24.9	3.0	2.7	12.0	13.3**
"Supreme Special" 24% Dairy Feed	24.0	27.6	3.0	3.0	15.0	12.2
Supreme 16% Dairy Feed	16.0	18.2	2.5	3.8	10.0	10.3
** Supreme 16% Dairy Feed	16.0	17.5	2.5	3.5	10.0	10.8**
Feeders Pride 16% Protein Dairy Feed	16.0	18.0	2.5	3.2	15.0	13.0
Premo Stock Feed	14.0	15.5	3.5	6.1	9.0	5.4
** "Supreme Brand" Horse & Mule Feed	9.0	9.2	3.5	2.7	12.0	4.3**
Premo Brand 40% Protein Hog Supplement	40.0	40.7	4.0	4.6	8.0	5.3
"Supreme Brand" 15% Protein Hog Fattening Feed	15.0	15.4	3.5	4.4	6.0	4.1
"Premo Brand" Hominy Meal	9.0	10.1	5.0	5.6	7.0	7.4
** "Premo Brand" Hominy Meal	9.0	9.8	5.0	5.3	7.0	7.6**
"Premo Brand" Hominy Meal	9.0	10.0	5.0	4.8	7.0	4.1

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

MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
D. B. SUTHERLAND & SONS, BLOOMFIELD, KENTUCKY						
** Kentucky Star 24% Dairy Feed	24.0	<u>22.9</u>	3.0	3.2	10.0	7.1**
Kentucky Star 20% Dairy Feed (with Urea)	20.0	19.9	3.0	3.5	15.0	8.0
** "Kentucky Star Brand" Farm Feed	13.5	<u>12.8</u>	3.5	3.2	8.0	4.8**
"Kentucky Star Brand" Farm Feed	13.5	<u>13.3</u>	3.5	3.3	8.0	6.4
"Kentucky Star Brand" Farm Feed	13.5	13.2	3.5	3.1	8.0	5.2
SWEET FEEDS, HOPKINSVILLE, KENTUCKY						
Sweet Mix 20% All Purpose Poultry Mash	20.0	21.3	3.0	3.8	6.0	5.3
"Thrift Brand" 16% Dairy Feed	16.0	18.6	2.5	2.4	15.0	8.7
Sweet Mix Cattle Supplement A	30.0	33.3	2.5	2.3	7.0	5.5
SWIFT & CO., CHICAGO, ILLINOIS						
Swift's 42% Soybean Oil Meal	42.0	45.6	3.5	5.4	7.0	5.7
Swift's 41% Cottonseed Meal	41.0	41.7	4.0	3.9	13.0	11.6
Swift's 41% Protein Cottonseed Meal	41.0	44.8	4.0	4.4	13.0	9.6
Swift's 41% Solvent Extracted Cottonseed Meal	41.0	41.5	.5	.7	13.0	12.4
TAYLOR COUNTY IMPLEMENT & FEED CO., CAMPBELLSVILLE, KENTUCKY						
"Economy Brand" 16% Dairy Feed	16.0	17.1	3.0	3.1	9.5	6.2
THOMERSON MILLING CO., GLASGOW, KENTUCKY						
** Thomerson 16% Protein Dairy Feed	16.0	19.0	3.5	3.2	10.0	9.7**
1.90% excess non-protein nitrogen from Urea						
L. F. THURMOND, MURRAY, KENTUCKY						
Crushed Ear Corn & Shuck	7.0	9.1	3.0	3.2	11.0	8.0
TILFORD & WALTERS MILL, METROPOLIS, ILLINOIS						
Masco 26% Turkey Starter	26.0	29.6	3.0	2.8	7.0	7.0
Masco 40% Turkey Grower	20.0	22.0	3.0	3.1	7.0	4.9
Masco 16% Protein Milking Dairy Feed	16.0	17.2	3.0	3.0	9.0	9.1
"Profit Maker Brand" 16% Dairy Feed	16.0	17.7	2.5	2.7	15.0	13.3
** "Profit Maker Brand" 16% Dairy Feed	16.0	18.3	2.5	<u>1.7</u>	15.0	14.8**
Masco 28% Pig & Sow Supplement	28.0	32.0	3.0	4.0	6.0	5.2
Masco Pig Starter	20.0	21.6	3.0	3.4	6.0	3.9
** Masco Pig Pre-Starter	18.0	20.1	3.0	2.2	3.0	2.9**
** Wheat Gray Shorts & Screenings	16.0	16.4	4.0	<u>4.4</u>	6.0	<u>6.8**</u>
** Ground Wheat	12.0	<u>10.8</u>	2.0	1.8	3.0	2.5**
TRENTON MILLING CO., TRENTON, ILLINOIS						
** Wheat Gray Shorts and Screenings	16.0	<u>14.8</u>	4.0	4.0	6.0	<u>6.7**</u>
TRENTON COTTON OIL CO., TRENTON, TENNESSEE						
** "Trenton Brand" 41% Protein Cottonseed Meal	41.0	<u>40.3</u>	5.0	<u>3.9</u>	12.0	<u>13.6**</u>

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
TRI-STATE MILLS, KENOVA, WEST VIRGINIA						
Daisy 24% Dairy Feed	24.0	25.8	2.5	2.0	15.0	11.4
Daisy 24% Dairy Feed	24.0	26.4	2.5	2.5	15.0	9.8
Tri-State 24% Dairy Feed	24.0	26.9	3.0	3.2	10.0	8.5
THE UBIKO MILLING CO., CINCINNATI, OHIO						
Life Guard Turkey Growing Mash	22.0	22.2	3.5	3.6	7.0	6.6
Life Guard Hi-Proof Broiler Ration						
3-Nitro & Nitrofurazone Mixture	21.0	21.9	3.5	3.7	4.5	4.6
Life Guard 22% Layer	22.0	22.2	3.5	3.9	8.0	5.8
** Life Guard 22% Layer	22.0	<u>19.7</u>	3.5	3.4	8.0	5.4**
Very much below guarantee in protein						
Life Guard 22% Layer	22.0	23.3	3.5	3.3	8.0	5.5
Sunbeam Laying Mash	20.0	20.5	3.0	3.0	8.0	7.0
Life Guard Egg & Breeder Mash	20.0	21.9	3.5	4.3	8.0	5.3
Life Guard All-Mash Laying Ration	16.0	18.2	3.5	4.6	7.0	6.0
Life Guard All-Mash Laying Ration	16.0	19.7	3.5	3.9	7.0	6.1
Special 24% Union Grains Life Guard Dairy Feed	24.0	25.0	2.5	2.6	10.0	6.6
Life Guard Hog Supplement	40.0	44.7	2.5	2.5	8.0	5.9
** Life Guard Pork Maker	14.0	16.2	4.0	3.5	8.0	7.5**
Contained unground weed seeds						
UNIQUE FEED MILL, BURLINGTON, KENTUCKY						
** Unique Brand 32% Dairy Concentrate	32.0	34.9	3.0	<u>1.7</u>	10.0	5.6**
VALIER & SPIES MILLING CO., ST. LOUIS, MISSOURI						
Gray Wheat Shorts and Wheat Screenings	15.5	16.5	3.7	3.6	6.0	4.7
Gray Wheat Shorts and Wheat Screenings	16.0	17.4	4.0	4.0	6.0	5.1
VITALITY MILLS, INC., CHICAGO, ILLINOIS						
Vitality 24% Milk Builder	24.0	24.5	2.5	2.5	10.0	8.1
Velvet 16% Dairy Feed (All Grain)	16.0	15.7	2.5	2.1	8.0	4.7
** Badger 16% Sweet Dairy Feed	16.0	28.4	2.5	2.4	13.0	8.3**
2.98% excess non-protein nitrogen from Urea						
Vitality Speedy 11% Beef Maker	11.0	12.6	1.5	2.4	11.0	8.1
Vitality Brand Pig Pusher	15.0	18.2	3.0	4.3	6.0	6.0
WALTERS & THOMPSON, SHELBYVILLE, KENTUCKY						
Sheep Feed	16.0	18.2	2.5	3.3	11.0	6.6
WEISHEIMER BROTHERS, COLUMBUS, OHIO						
Jewell Fancy Wheat Flour Middlings with Screenings	12.5	12.8	3.5	5.7	6.0	4.0

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MANUFACTURER, BRAND AND REMARKS	Protein		Fat		Fiber	
	Guar.	Found	Guar.	Found	Guar.	Found
GARDNER WHITE, PRINCETON, KENTUCKY						
** Home Town 32% Dairy Concentrate	32.0	36.2	2.5	3.3	12.0	10.9**
Contained rice hulls						
WILLIAMSTOWN ROLLER MILL, WILLIAMSTOWN, KENTUCKY						
** "Our Own Brand" 20% Protein						
Egg Mash	20.0	18.9	3.5	<u>2.8</u>	7.0	4.5**
Williamstown 18% Protein Dairy Feed	18.0	<u>18.8</u>	2.5	<u>3.0</u>	10.0	6.2
** "Our Own" 16% Protein Pig & Sow Meal	16.0	15.9	4.0	<u>3.4</u>	6.0	3.6**
WINN MILLING CO., GREENSBURG, KENTUCKY						
Daisy 20% Protein Laying Mash	20.0	21.9	3.0	3.6	8.0	5.7
Daisy 16% Protein Dairy Feed	16.0	18.2	2.5	2.0	15.0	11.2
WOODBURN MILLING CO., WOODBURN, KENTUCKY						
Ground Corn Cobs & Molasses	2.0	3.9	.4	.8	32.0	24.4
WOODFORD FEED CO., VERSAILLES, KENTUCKY						
"Big W" 18% Egg Mash	18.0	18.7	3.5	5.6	8.0	4.1
** "Big W" 16% Dairy Feed	16.0	17.9	3.0	<u>2.1</u>	12.0	8.0**
WOODFORD SPEARS & SONS, PARIS, KENTUCKY						
Bourbon Broiler Ration	20.0	20.8	2.0	2.9	6.5	4.6
YOUNG BROS. FEED STORE, LEWISPORT, KENTUCKY						
Chowmix Laying Feed (All Mash)	15.0	16.2	3.0	3.3	7.0	4.2
YUKON MILL AND GRAIN CO., YUKON, OKLAHOMA						
** Wheat Gray Shorts & Screenings	15.0	14.6	4.5	<u>3.2</u>	6.0	4.5**
J. W. ZARING GRAIN & MILL CO., INC., RICHMOND, KENTUCKY						
** Zaring's 24% Dairy Feed	24.0	24.9	3.0	2.6	12.0	8.1**
1.60% excess non-protein nitrogen from Urea						
** Zaring's 24% Dairy Feed	24.0	29.5	3.0	3.8	12.0	8.7**
2.90% excess non-protein nitrogen from Urea						

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