

Commercial Feeds in Kentucky
1963



Kentucky Thoroughbreds

Regulatory Bulletin 183
University of Kentucky
Agricultural Experiment Station
Lexington

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* Retired 1963
** Resigned 1963

This report compiled and prepared by Robert Mathews and Bruce Poundstone.
Analytical data by the laboratory staff.

INTRODUCTION

This bulletin contains the results of inspection and analysis of commercial feed sold in Kentucky, during the calendar year of 1963, and other information helpful to those interested in this field.

During 1963, 3,368 official samples of feed were secured by inspectors and 2,885 or 85.6% of these passed with 483 or 14.4% not passing

During 1962, 80% of the samples secured passed and 20% did not pass.

The use of drugs in feed is increasing year by year and the farmer should always read the directions on the label and follow them closely to be sure that the feed is fed to the kind of animal stated on the label.

COMPANIES ON REPORTING SYSTEM, JUNE 1, 1964

Acme-Evans Co., Inc.
 Albers Milling Co.
 Allen Robertson & Co.
 All-In-One Feeds, Inc.
 Allied Foods Distributors
 Allied Food Distributors, Inc.
 Allied Industries, Inc.
 Allied Mills, Inc.
 American Crystal Sugar Co.
 Anderson & Spilman
 Apex Farm & Supply Co.
 Archer-Daniel-Midland Co.
 Armeato Import Co.
 Armour and Company
 Armour Creameries
 Ashland Milling Co.
 Aubrey Feed Mills, Inc.
 August Moldenhauer Mill
 Aylor & Meyer Company

 Bagdad Roller Mills
 Barry Carter Milling Co.
 Barton Distilling Co.
 Bates Farm Supply (b)
 Bay State Milling Co.
 Beacon Div. of Textron
 The Beardstown Mills Co.
 Best Feeds & Farm Supplies, Inc.
 Big Four Feed Store (s)
 Big Sandy Wholesale Company
 L.A. Black
 Blatchford Calf Meal Co.
 Blenda Life, Inc.
 Bobb Brothers
 The Borden Company
 The Boswell Company
 Botkins Grain & Feed Co.
 Bremco Alfalfa Mills, Inc.
 Brennan Packing Co.
 The Brode' Corporation
 Brown Molasses Company
 Brown-Forman Distillers Corp.
 The Buckeye Cellulose Corp.
 Buckeye Cotton Oil Division
 The Buhler Mill & Elevator Co.
 Buhner & Company, Inc.

 Cadiz Milling Company
 The Carey Salt Co.
 Cargill, Incorporated
 Carson Food Company
 Casey County Farm Supply
 Cashman's Leghorn Farm
 Cat Life Packing Co.
 Central Alfalfa, Inc.
 Central Soya Company
 Clark Milling Co.
 Clinton Corn Processing
 Clinton Foods, Inc.
 Clinton Milling Co., Inc.
 Cocke & Company
 H.C. Cole Milling Co.
 Colorado Milling & Elevator Co.
 Columbian Hog & Cattle Powder Co.

 Commander-Larabee Milling Co.
 Consolidated Flour Mills Co.
 Consolidated Products Co.
 Cooperative Mills, Inc.
 Corn Products Company
 Cosby-Hodges Milling Co.

 Daffin Corporation
 Dearborn Mills
 Decatur Cotton Oil Co.
 Diamond Crystal Salt Co.
 Diamond Laboratory
 Dixie Grain Co., Inc.
 Dixie Mills Company
 Dixie Portland Flour Co.
 Dixie Portland Flour Mills (Tenn.)
 Dixie Portland Flour Mills (Kan.)
 Dixie Treat Sales Co.
 Doan Feed Products Company
 J.E. Doggett, Inc.
 Dog Life Packing Co.
 Dover Milling Company
 Dyersburg Oil Mill Co.

 The Early & Daniel Co.
 Eckhart Milling Co.
 Elam Grain Company
 The F.L. Emmert Co.
 John W. Eshelman & Sons
 Evans Milling Co., Inc.
 Excelsior Milling Co.

 Fabro, Inc.
 Fabro of Georgia, Inc.
 Farm Chef Feeds
 Farm Service, Inc.
 Farmers Elevators, Inc.
 Farmers Friend Mineral Co.
 Farmers Hay & Seed Co. (b)
 Farmers Service (b)
 Farmers Supply Co.
 Feed Service Corporation
 Finch Packing (d)
 Fish Meal Co.
 Flambeau Milling Co.
 Foremost Dairies
 Fort Negley Mills
 Foster Canning Company
 Frosty Morn Meats
 Henry Fruechtenicht
 Fruen Milling Co.
 Fuhrer-Ford Milling Co.
 Fulton Laboratories
 Funk Brothers Seed Co.

 Garden Street Mill & Elevator
 Garrard Farm Service
 Garrard Mills
 General Foods Corporation
 Corn Mill Division
 Gaines Division

(s) Small packages only, (b) Bulk sales Only, (m) Molasses only, (d) Dog Food Only

General Mills, Inc.
 Gethsemani Farms
 Goldenrod Oil Meal Sales Co.
 Good-Life Chemical, Inc.
 The Great Atlantic & Pacific Tea Co.
 Great Lakes Pet Food Co.
 The Great Western Sugar Co.
 Green County Milling Co. (b)
 Gwinn Brothers Co.

Hales & Hunter Company
 Peter Hand Foundation (s)
 Happy Valley Mills
 Harpeth Mills
 Hartsville Milling Company
 Hartz Mountain Products Corp.
 Harvest Brand, Inc.
 Haydon Mill & Grain Co. (s)
 Haynes Milling Company
 Hayward, Inc.
 Heckle Brothers
 Dr. Heinz Company
 Helmers & Berry Feed Co. (m)
 Hi-Life Packing Company
 Highland Products, Inc. (s)
 Hill Packing Company
 T.G. Hill & Co.
 Hollar & Mardis
 Holly Sugar Corporation
 Horlicks Corporation
 Howdy Distributing Co.
 Hudson's Farm Service (b)
 Huff & Puff Pet Foods
 The Hunter Milling Co.

Igleheart Brothers Division
 Illinois Cereal Mills, Inc. (b)
 Illinois Soy Products Co.
 Independent Oil Mill, Inc.
 Inland Mills, Inc.
 International Milling Co.
 International Salt Co., Inc.
 The Ismert-Hincke Milling Co.

Jacco Industries, Limited
 Jackson County Farm Bureau Coop. Ass'n.
 Jet Products, Inc.
 John Ewing Co.
 I.S. Joseph Co., Inc.

The Kahn's Sons Co.
 Kane Molasses Lab.
 K & K Manufacturing Co.
 The Kansas Milling Co.
 Keco Milling Co.
 Kellogg Company
 Spencer Kellogg & Sons, Inc.
 Kentucky By-Products Corp.
 Kentucky Chemical Industries, Inc.
 Keynes Brothers
 Kimbell-Diamond Milling Co.
 H.C. Knoke & Co.
 Kraft Foods

LaCross Milling Co., Inc.
 Lake County Oil Mills
 Lake States Yeast Corp.
 Land-O-Nan Warehouse (b)

Edmond J. Lang
 Lewisburg Roller Mills (b)
 Lexington Roller Mills, Inc.
 Life Guard Feeds
 Light Grain & Milling Co., Inc.
 Limestone Products Corporation of America
 Lincoln Farm Service
 Linden Mill (d)
 Lipscomb Farm Supply (b)
 Lipscomb Grain & Seed Co., Inc.

M.F.A. Grain & Feed Div.
 The M.G.R. Feed Co.
 Magic Feed Mills, Inc.
 Marblehead Lime Co.
 Marco Mills, Inc.
 Marianna Sales Co.
 Marion Milling Co.
 Markin Feed Co.
 Martha White Flour Mills
 Martha White Flour Mills of W. Va.
 Master Feed & Seed Co., Inc.
 Mavar Shrimp & Oyster Co. (Cat)
 Mayfield Milling Co., Inc.
 McCauley Bros. Seed
 McKnight-Keaton Grocery
 McMillen Feed Mills
 Memphis Cotton Oil Mill
 Mennel Milling Co.
 Metcalfe Co. Farm Supply, Inc.
 O.W. Meyer Laboratories
 Middlesboro Milling Co. (s)
 Midland Flour Milling Co.
 Midsouth Milling Co.
 Midwest Feeds
 Milliken Sweet Feed Mill
 Mineral Products Co.
 Minute Maid Corp.
 Model Mills
 Mohawk Roller Mills
 Monroe County Farmers Service, Inc.
 Moore-Lowry Flour Mills, Inc.
 Moorman Manufacturing Co.
 The Mor-Milk Co.
 John Morrell & Co.
 Morristown Milling Co.
 Morton Salt Company
 Mowatt, Wilson & Co.
 Mt. Sterling Hatchery (b)
 Murphy Products Co.
 Mutual Products Co. (s)
 Myson, Inc.

H. Nagel & Son
 Nashville Cotton Oil Mill Corp.
 National Alfalfa Dehyd. & Milling Co.
 National Biscuit Co.
 National Distillers Products Co.
 National Molasses Co.
 National Oats Co.
 National Remedy Products Co., Inc.
 National Vitamin Products Co.
 Nebraska Consolidated Mills Co.
 Neumond, Inc.
 The North American Trading & Import Co.
 Northern Ohio Sugar Company
 Chas. Nunn & Sons Milling Co.
 Nutrena Mills, Inc.
 Odon Milling Co.

Orleans Candy Company
 Orleans Canning Co.
 Owensboro Grain Co.
 Owensboro Milling Co. (b)

Pacific Molasses Co.
 Packers By-Product Co.
 Pan American Mills (s)
 Phillip P. Park, Inc.
 Pedrick Laboratories
 Pendleton County Mills
 Penick & Ford, Ltd., Inc.
 John J. Pepin & Co.
 Philips Roxane Div.
 Pillsbury Company
 Pittsburg Plate Glass Co.
 Planters Manufacturing Co.
 Planters Oil Co.
 Portland Feed Mill, Inc.
 Provico Feeds & Concentrates
 Publicker Chemical Co.
 Publicker Industries, Inc.

The Quaker Oats Company
 Quinnmenhaden Fisheries
 Quisenberry Mills, Inc.

Ralston Purina Company
 Reliance Chemical Corp.
 Riteway Milling Co.
 Robinson Milling Co. (m)
 Rome Oil Mill
 G.P. Rose & Co., Inc.
 The Ross Milling Co.
 Russells Company
 Russell-Miller Milling Co.
 Ryde & Company

S & O Products, Inc.
 Sandusky Brothers
 Sanford's Feed Service
 Salyersville Wholesale Co.
 Charles W. Schenk & Sons (s)
 Schenly Distillers, Inc.
 John Schlemmer
 Scientific Milling Co.
 Scioto Farm Bureau Coop. Ass'n.
 The Scott County Milling Co.
 Seaboard Allied Milling Co.
 Joseph E. Seagram & Sons, Inc.
 Security Food Company
 Security Mills, Inc.
 Shellabargers, Inc.
 The Sherwin-Williams Co.
 Sikeston Cotton Oil Mill
 Simmons Milk Products, Inc.
 The W.J. Small Co. Division
 J. Allen Smith
 Smith Packing Company
 Southcoast Fisheries Co.
 Southern Canning Sales, Inc.
 The Southern Cotton Oil Co. (Ala.)
 The Southern Cotton Oil Co. (Tenn.)
 Southern States Bardstown Cooperative
 Southern States Bowling Green Cooperative
 Southern States Boyle Cooperative

Southern States Campbellsville Coop.
 Southern States Carlisle Coop.
 Southern States Clark Coop.
 Southern States Cynthiana Coop.
 Southern States Frankfort Coop.
 Southern States Fulton Coop.
 Southern States Georgetown Coop.
 Southern States Glasgow Coop.
 Southern States Hardin Coop.
 Southern States Henderson Coop.
 Southern States Hopkinsville Coop.
 Southern States LaGrange Coop.
 Southern States Lebanon Coop.
 Southern States Leitchfield Coop.
 Southern States Lexington Coop.
 Southern States London Coop.
 Southern States Maysville Coop.
 Southern States Morganfield Coop.
 Southern States Owenton Coop.
 Southern States Russellville Coop.
 Southern States Somerset Coop.
 Southern States Coop. Elkton Branch
 Specialty Food Company
 Specified, Inc.
 Spen-Well Feed Company
 St. Louis Brewers Yeast Co.
 A.E. Staley Manufacturing Co.
 Standard Brands, Inc.
 Standard Mills
 Standard Products Co., Inc.
 F.W. Stock & Sons, Inc.
 Suni-Citrus Products Co.
 Sunshine Feed Mill, Inc.
 Sunshine Molasses Co.
 Supreme Mills
 Surewill Mfg. Co., Inc.
 Sun-Ray Feed Mills (Lexington)
 Sweet Feed, Inc.
 Swift & Company (Chicago)
 Swift & Company (Memphis)
 Swift & Company-Oil Mill
 Swift & Company-Pard Food Dept.

Teater & Cassity Farm Service
 The Topeka Flour Mills Corp.
 Trenton Cotton Oil Company
 Tri-County Farm Supply
 Tri-State Mills
 Tri-State Molasses Company

Union Sales Corporation
 United Salt Corporation
 Usen Canning Company

Valier & Spies Milling Co.
 Varner Milling Company
 Vets Division Perk Foods Co.
 Virginia-Carolina Chemical Corp.
 Vita Fresh Dog Food Corp.
 Vita Plus Corporation
 Vitamineral Products Co.
 VyLactos Laboratories, Inc.

W & W Hamstery
 Walters & Thompson (m)

Watkins Products
Weisenberger Sanitary Flour Mills
Western Grain Co.
Whitewater Flour Mills Co.
Whitney Seed Co.
William Davies Co., Inc.
Williamstown Roller Mills (b)

Yieldmor Feeds, Inc.
Yopp Seed Company

ESTIMATED TONNAGE OF FEED SOLD IN
KENTUCKY FOR THE YEARS LISTED

<u>YEAR</u>	<u>TONS</u>
1920-----	244,405
1921-----	203,578
1922-----	244,192
1924-----	272,613
1925-----	227,635
1926-----	255,335
1927-----	274,998
1928-----	332,613
1929-----	322,271
1930-----	341,890
1939-----	349,470
1940-----	353,138
1941-----	347,055
1942-----	416,805
1943-----	630,438
1944-----	663,039
1945-----	671,350
1946-----	647,661
1947-----	582,375
1948-----	634,000
1949-----	607,255
1950-----	584,441
1951-----	612,946
1952-----	648,800
1953-----	662,267
1954-----	566,229
1955-----	541,536
1956-----	591,921
1957-----	572,957
1958-----	615,549
1959-----	578,148
1960-----	580,652
1961-----	576,920
1962-----	569,800

AVERAGE COMPOSITION OF THE MORE COMMON FEEDSTUFFS

Feedstuffs	Protein	Fats	Fiber	N.F. Extract	Water	Ash
Alfalfa Leaf Meal	21.0	2.8	16.0	40.5	7.7	12.0
Alfalfa Meal	14.0	2.0	30.0	36.0	9.0	9.0
Barley	12.0	2.0	5.4	67.3	10.6	2.7
Barley Feed	13.5	3.5	8.7	60.9	9.3	4.9
Beet Pulp, Dried	9.2	0.5	19.8	47.2	9.9	3.4
Blood, Dried	84.5	1.1	1.0	0.7	8.2	4.5
Bone Meal, Raw	26.0	5.0	1.0	2.5	6.4	59.1
Bone Meal, Steamed	7.5	1.2	1.5	3.2	5.7	81.3
Brewers Dried Grains	25.0	6.4	16.0	41.0	7.7	3.9
Buckwheat	10.8	2.5	10.5	62.3	12.0	1.9
Buttermilk, Dried	33.0	6.0	0.3	43.1	7.6	10.0
Buttermilk, Semi-Solid	13.4	3.0	0.0	15.9	65.0	2.7
Citrus Meal	5.9	3.1	11.5	62.7	9.9	6.9
Coconut Oil Meal	20.5	8.0	10.0	45.0	9.5	6.5
Corn	8.0	3.9	2.0	69.9	15.0	1.2
Corn Bran	9.7	7.3	9.2	62.0	9.4	2.4
Corn and Cob Meal	7.0	3.5	8.0	66.1	14.1	1.5
Crushed Ear Corn & Shucks	7.0	3.0	10.6	69.2	11.0	1.8
Corn Chop	8.0	3.5	2.0	71.0	14.0	1.5
Corn Feed Meal	8.0	4.5	3.0	71.0	11.4	2.0
Corn Germ Meal	21.0	9.0	9.0	50.7	7.0	3.3
Corn Gluten Feed	25.5	2.7	7.6	48.8	9.1	6.3
Corn Gluten Meal	43.1	2.0	4.0	39.8	8.6	2.5
Cottonseed Meal	41.5	6.3	10.4	28.1	7.2	6.5
Cottonseed Meal Solvent	41.1	2.1	11.0	31.1	9.2	6.8
Cottonseed Feed	34.6	6.3	14.1	31.5	7.6	5.9
Distillers Dried Grains, Corn	26.1	8.8	12.8	44.2	7.1	2.5
Distillers Dried Grains, Rye	24.4	5.6	11.5	48.3	6.1	22.4
Distillers Dried Solubles	28.5	9.6	4.4	42.5	7.0	7.4
Fish Meal	60.9	6.8	0.9	5.0	7.1	17.6
Flaxseed	24.0	35.9	6.3	24.0	9.2	4.3
Flaxseed Screenings Oil Feed	25.0	7.1	11.7	40.3	8.1	7.8
Hominy Feed	11.2	6.9	5.2	64.2	9.6	2.9
Lespedeza Seed	36.6	7.6	9.6	32.8	8.3	5.1
Linseed Meal	35.4	5.8	8.2	36.0	9.0	5.6
Linseed Meal Solvent	36.6	1.0	9.3	38.3	9.6	5.6
Malt Sprouts	26.8	1.3	14.2	44.3	7.4	6.0
Meat Scraps 55%	55.8	9.3	2.1	1.3	6.1	25.4
Meat & Bone Scraps, 50%	51.0	10.1	2.1	1.6	6.1	29.1
Molasses, Cane	3.0	0.0	0.0	61.7	25.7	6.1
Molasses, Beet	7.8	0.0	0.0	62.1	22.0	7.0
Oats	12.0	4.6	11.0	58.6	10.4	3.4
Oat Kernels	16.0	6.4	1.6	66.0	8.0	2.0
Oat Middlings	15.9	5.2	3.3	64.6	8.6	2.4
Peanut Kernels	30.4	47.7	2.5	11.7	5.4	2.3
Peanut Meal	43.5	7.6	13.3	23.4	7.0	5.2
Peanut Meal, Solvent	51.5	1.4	5.7	27.2	8.4	5.8
Peanut Skins	15.9	22.4	10.6	42.2	6.2	2.7
Rice Bran	12.5	12.5	12.5	44.0	9.0	9.5
Rye	11.8	1.8	1.8	73.2	9.4	2.0
Rye Middlings	16.6	3.4	5.2	61.2	9.8	3.8
Skimmed Milk, Dried	34.0	1.0	0.0	51.0	6.0	8.0
Sorghum Grains	9.5	3.4	2.0	72.2	12.00	1.9
Soybean (Seed)	36.5	17.5	4.3	26.5	9.9	5.3
Soybean Meal	44.3	5.3	5.7	29.6	9.1	6.0
Soybean Meal, Solvent	46.1	1.0	5.9	31.8	9.4	5.8

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Average Composition of the More Common Feedstuffs, Continued

Feedstuff	Protein	Fats	Carbohydrates		Water	Ash
			Fiber	N.F. Extract		
Tankage, 60%	60.6	8.5	2.0	1.8	6.9	20.2
Tankage with Bone 50%	51.3	11.5	2.3	2.3	6.2	26.1
Wheat	10.5	1.7	2.8	72.9	10.2	1.9
Wheat Bran	14.0	3.5	9.5	56.9	10.1	6.0
Wheat Mill Run	13.5	3.5	7.5	60.2	10.1	5.2
Wheat Middlings	15.0	3.5	7.0	58.7	10.3	5.4
Wheat Shorts	15.0	3.5	6.0	60.6	10.5	4.4
Wheat Red Dog	16.0	3.5	3.0	66.4	8.5	2.6
Wheat Flour, Patent	10.9	1.3	0.4	74.7	12.3	0.5
Wheat Germ Meal	27.8	9.2	3.3	44.4	8.9	4.5
Grain Screenings (From Wheat)	10.5	1.7	2.8	70.8	9.6	4.6
Whey, Dried	12.2	0.8	0.2	70.4	6.5	9.9
Yeast Brewers, Dried	44.9	0.7	2.7	38.8	6.2	6.9
Yeast, Irradiated, Dried	48.7	1.1	5.5	32.2	6.4	6.4
<u>ROUGHAGES</u>						
Alfalfa Hay	14.5	2.3	29.7	36.3	8.6	8.6
Blue Grass Hay	8.2	2.5	29.8	42.5	10.5	6.5
Clover Hay, White	14.4	2.4	22.5	40.9	12.0	7.8
Clover Hay, Red	11.8	2.6	27.3	40.1	11.8	6.4
Corn Stover, without ear	5.9	1.6	30.8	46.5	9.4	5.8
Corn Stover, with ear	7.8	2.2	27.1	47.6	8.9	6.4
Cowpea Hay	18.6	2.6	22.5	35.1	9.9	11.3
Fescue Hay	7.0	1.9	30.3	43.2	11.8	6.8
Lespedeza Hay	13.5	2.5	28.0	40.1	10.5	5.4
Soybean Hay	15.5	2.8	26.5	38.7	9.2	7.3
Timothy Hay	6.2	2.5	29.8	45.0	11.6	4.9
<u>FILLERS</u>						
Alfalfa Stem Meal	11.5	1.3	36.3	34.8	9.0	7.1
Corn Cob	2.3	0.4	32.1	54.0	9.6	1.6
Corn Husk or Shuck	3.4	0.9	28.2	49.6	15.0	2.9
Cottonseed Hulls	3.9	1.0	45.5	37.2	9.7	2.7
Flax Plant By-Products	6.4	2.1	44.4	33.1	8.1	5.9
Oat Mill By-Product	5.6	1.8	27.9	50.8	7.6	6.3
Oat Hull Feed	3.5	1.5	32.5	49.3	7.6	5.6
Oat Hulls	3.0	1.0	35.0	47.7	6.8	6.5
Screenings*						
Chaff and dust**						

*Varies in quality from fair.

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

Miscellaneous Samples Analyzed in 1947-63

Feedstuff	Protein	Fat	Fiber
Activated Sewer Sludge	29.2	6.0	6.7
Alfalfa Silage	4.0	0.9	9.5
Barley Bran	15.2	5.2	14.9
Bluegrass Chaff	7.1	1.9	28.5
Bluegrass Screenings	6.7	2.0	26.1
Blackberry Seeds	9.6	---	---
Bread	12.5	5.3	0.7
Brewers Wet Grains	10.3	1.0	3.4
Buckwheat Feed & Hulls	9.6	2.9	22.4
Cake, Ground	4.8	9.9	1.5
Cob & Shuck Meal	3.2	0.6	31.6
Cookie Meal	7.7	8.6	0.8
Corn Dust	7.1	2.7	1.7
Corn Blowings	8.7	1.9	15.7
Corn Fodder & Soybean Plant	10.1	3.9	17.0
Cracklings, Edible	67.1	28.1	1.1
Cracklings, Inedible	44.1	22.2	3.0
Distillers Thin Slop	1.4	---	---
Fescue Silage	2.8	1.3	8.9
Honey Suckle	2.8	0.02	6.0
Ice Cream Cones, ground	9.2	1.5	0.7
Johnson Grass	7.8	0.8	37.6
Kale Seed	24.3	40.0	9.6
Korean Hay	13.9	---	---
Korean Screenings	21.9	3.6	20.8
Lespedeza Screenings	19.8	15.7	26.2
Lima Beans, Ground	21.5	1.5	6.1
Malt Hulls, Ground	10.3	1.8	22.5
Osage Orange Apple	2.5	4.3	1.7
Peanut Vine Meal	10.1	2.3	34.0
Popcorn, Ground	9.4	2.5	2.7
Popcorn, Popped and Crushed	8.4	12.8	2.9
Potato Flour	2.0	---	---
Potato Flakes	9.0	---	---
Rag Weed Seed	17.2	16.2	34.4
Sorghum, Ground (Stalk & Leaves)	4.1	2.9	19.6
Ground Unthreshed Heads of Grain Sorghum	6.4	2.1	10.5
Fescue & Clover Silage	2.0	1.0	8.0
Oat Silage	1.9	1.5	9.8
Straw Silage	6.5	3.0	19.5
Sudan Grass Silage	5.9	1.1	14.0
Sudan & Soybean Silage	2.4	0.6	7.9
Vetch Seed	26.4	0.7	7.6
Walnut Shells & Meats	13.2	24.2	27.1
Walnut Meat Skins & Small Amount of Shell	21.5	45.5	12.0
Wheat Toast, Ground	12.6	4.9	0.5
Wild Onions	6.7	0.2	1.0
Wheat Silage	4.4	1.4	22.7

MICROSCOPIC EXAMINATION OF FEEDS

It is important that the guarantee placed on a bag of feed be a true picture of the contents of that bag.

When the Kentucky Feed Law was adopted in 1906, it was thought a chemical determination of the amount of protein, fat and fiber was adequate in judging the accuracy of labeling a feed. Later it was shown that the source of protein, fat and fiber was as important, if not more important, than the amount present. For this reason, all official samples of feeds analyzed by the Kentucky Feed Laboratories have, since 1918, been examined with the aid of the microscope to determine whether the ingredient list shown was adhered to.

Theoretically it would be possible to blend chicken feathers, leather, weed seeds, pulp wood, a little soybean oil meal or urea in the proper proportions and make a product that would meet a chemical guarantee resembling that of a feed but it would not be a good feed. Obviously no one would try to make a feed this way, but cases have been found where feeds have been cheapened by the use of undeclared additions of such products as rice hulls, oat hulls, corn cobs, mixed screenings, ground chaff and dust, weed seeds, peanut hulls, etc. In such instances the chemical guarantee will be met with regard to protein, fat, and fiber even though the quality of the feed is quite different from that declared in the ingredient list.

A recent sample of 16% Dairy Feed was found to be adulterated with mixed screenings (chaff, hulls, rachis, stems, weed seeds, etc.) although within the chemical guarantee. Another sample of Brewers Dried Grains was within the guarantee chemically, but found by means of microscopic analysis to contain oat hull feed.

Another feed - an 18% Laying Mash - though slightly low in protein but well within the fiber guarantee. By microscopic analysis, it was found to be adulterated with oat hulls.

Kentucky was one of the pioneers in this method of analysis. Nearly all states now use some form of microscopic analysis along with the chemical analysis. It has proven to be as valuable to the farmer and honest manufacturers as any other form of analysis. The farmer is assured the feed he is buying is as represented. To the manufacturer, it offers protection against unfair and unscrupulous competition.

METHOD OF CALCULATING THE ANALYSIS OF
A FEED MIXTURE

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

Example 1. 20-percent protein dairy feed

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

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

Example 2, 20-percent protein laying mash

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

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

Explanation of Method used in Table 1.

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

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

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
Acme - Evans Co., Inc., Indianapolis, Indiana	4	4	
W.G. Adams, Waynesburg, Kentucky	1		1
Agricultural Supply Co., Owensboro, Kentucky	1	1	
Albany Mills, Albany, Kentucky	3	2	1
Albers Milling Co., Los Angeles, California	5	4	1
Allied Mills, Inc., Chicago, Illinois	117	110	7
American Crystal Sugar Co., Mason City, Iowa	2	2	
Anderson - Spilman, Danville, Kentucky	2	2	
Anderson County Farm Service, Lawrenceburg, Kentucky	2	1	1
Anglo Sweet Feed Mill, Inc., Owensboro, Ky.	9	8	1
Archer - Daniels - Midland Co., Minneapolis, Minnesota	8	8	
Ashland Milling Co., Ashland, Kentucky	32	22	10
Aubrey Feed Mills, Inc., Louisville, Kentucky	169	152	17
Auburn Mills, Inc., Auburn, Kentucky	12	11	1
August Moldenhauer Mill, Menfro, Missouri	1	1	
Aylor and Meyer Co., Aurora, Indiana	11	5	6
Bagdad Roller Mills, Inc., Bagdad, Kentucky	50	44	6
Baltic Mills, Inc., Vincennes, Indiana	3	3	
Banner Feed Mills, Huntington, West Virginia	2	2	
Bardstown Mills, Bardstown, Kentucky	1	1	
Bardwell Milling Co., Bardwell, Kentucky	2	2	
Barnett Co., Harrodsburg, Kentucky	1	1	
Barry - Carter Milling Co., Lebanon, Tennessee	1		1
Barton Distilling Co., Bardstown, Kentucky	5	5	
Bates Farm Supply, Dry Ridge, Kentucky	2	2	
Baughman Milling Co., Stanford, Kentucky	21	17	4
Beacon Division of Textron, Inc., Kansas City, Missouri	26	24	2
James B. Beam Distilling Co., Clermont, Ky.	1	1	
Best Foods Div., Corn Products Co., New York, New York	1	1	
Bi- County Farm Bureau Cooperative, Florence, Kentucky	21	21	
Big 4 Feed & Implement Co., Scottsville, Ky.	1	1	
Birmingham Milling Co., Benton, Kentucky	1	1	
Bobb Brothers, Leesburg, Ohio	5	5	
Boyle Packing Co., Danville, Kentucky	3	3	
Browder Milling Co., Fulton, Kentucky	10	9	1
Brown Molasses Co., Inc., North Webster, Ind.	3	1	2
Bryant & Crume Milling Co., Caneyville, Ky.	11	7	4
Buckeye Cellulose Corp., Cincinnati, Ohio	3	2	1
Bundy Bros. & Sons Mill Co., Medora, Indiana	3	3	
Burch Hester Feed Store, Hustonville, Kentucky	4	3	1
Bush Brothers & Co., Clinton, Tennessee	4	4	
A.C. Butts & Sons, Fulton, Kentucky	1	1	
Cadiz Milling Co., Inc., Cadiz, Kentucky	18	14	4
Campbell & Co., Inc., Mattoon, Illinois	1		1
Caneyville Roller Mills, Caneyville, Kentucky	7	5	2
Cardinal Food Products, Inc., St. Louis, Mo.	1	1	
Carlisle Cooperative, Inc., Carlisle, Ky.	1	1	
Carnation Co., Los Angeles, California	2	2	
Carroll County Farm Bureau Coop., Carrollton, Kentucky	4	4	
Cat Life Packing Co., Chicago, Illinois	1	1	
Catz American Co., Inc., New York, New York	1	1	
Central Soya, Fort Wayne, Indiana	174	143	31
Chickasaw Oil Mill, Inc., Memphis, Tennessee	1	1	
Citizens Milling Co., Somerset, Kentucky	8	6	2

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
City Roller Mills, Vevay, Indiana	1	1	
Clarkson Feed Store, Clarkson, Kentucky	2	2	
Clinton Hatchery, Clinton, Kentucky	4	3	1
Clinton Milling Co., Clinton, Kentucky	27	24	3
Clinton Corn Processing Co., Clinton, Iowa	1		1
H.C. Cole Milling Co., Chester, Illinois	14	13	1
The Colorado Milling & Elevator Co., Denver, Colorado	3	3	
Columbia Hog & Cattle Powder Co., Kansas City, Missouri	1	1	
Commander- Larabee Milling Co., Minneapolis, Minnesota	1	1	
Community Mills, Belton, Kentucky	8		8
Community Milling Co., Irvington, Kentucky	9	9	
Cooper Brothers, Elizabethtown, Kentucky	2	2	
Cosby-Hodges Milling Co., Birmingham, Alabama	1	1	
Cooperative Mills, Inc., Cincinnati, Ohio	299	273	26
Crescent Roller Mills, Taylorsville, Kentucky	6	4	2
Crestwood Farmers Supply Center, Crestwood, Ky.	14	9	5
Culton's Seed Cleaner, Winchester, Kentucky	1	1	
Custom Feed Mills, Morganfield, Kentucky	12	12	
Darling & Co., Chicago, Illinois	1	1	
Dearborn Mills, Aurora, Indiana	27	26	
Decatur Cotton Oil Co., Decatur, Alabama	2	1	1
Delphos Soya Products Co., Delphos, Ohio	4	4	
W.C. Dicken Co., Mentor, Kentucky	17	14	3
Dixie Mills Co., East St. Louis, Illinois	10	6	4
Dixie Portland Flour Mills, Memphis, Tennessee	2	2	
" " " " Chattanooga, Tenn.	2	1	1
" " " " Arkansas City, Kan.	2	2	
Dyersburg Oil Mill Co., Dyersburg, Tennessee	7	7	
Duncan-McFarland Farm Service, Lawrenceburg, Ky.	5	4	1
E.I. Dupont De Nemours & Co., Wilmington, Del.	1	1	
The Early & Daniel Co., Cincinnati, Ohio	77	61	16
Eckhart Milling Co., Chicago, Illinois	1	1	
Empire Distributing Co., St. Louis, Missouri	2		2
Evans Milling Co., Indianapolis, Indiana	2	2	
John W. Eshelman & Sons, Lancaster, Pennsylvania	32	31	1
Ewing Mill Co., Ewing, Indiana	4	4	
Famous Feed Mills, Nashville, Tennessee	14	9	5
Farm Bureau Milling Co., Hammond, Indiana	3	3	
The Farm Minerals Co., Wilkinson, Indiana	1	1	
Farmers Elevator Co., Franklin, Kentucky	1	1	
Farmers Elevator Molasses Co., Franklin, Ky.	1	1	
Farmers Elevators, Inc., Owensboro, Kentucky	23	19	4
Farmers Feed Store, Central City, Kentucky	5	5	
Farmers & Merchants Milling Co., Brooksville, Kentucky	6	6	
Farmers Milling Co., Somerset, Kentucky	8	1	7
Farmers Service Co., Glasgow, Kentucky	1	1	
Farmers Supply, Beaver Dam, Kentucky	2	2	
Farmers Supply & Produce Co., Monticello, Ky.	5	5	
Farmers Feed Mill, Lexington, Kentucky	2	2	
J.H. Fedders Inc., Covington, Kentucky	8	8	
Ferguson Brothers Feed Mill, Albany, Kentucky	1	1	
Ferncliff Feed & Grain Co., Louisville, Ky.	32	28	4
Field Packing Co., Owensboro, Kentucky	2	1	1
Fischer Packing Co., Louisville, Kentucky	6	4	2
Flambeau Milling Co., Phillips, Wisconsin	2	2	
Francis Wholesale Co., Prestonsburg, Kentucky	1	1	

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
The Fleischmann Distilling Corp., Owensboro, Ky.	2	2	
Folsomdale Milling Co., Boaz, Kentucky	4	3	1
Food Products Co. of America, Chicago, Illinois	1	1	
Fort Negley Mills, Nashville, Tennessee	1	1	
Frosty Morn Meats, Clarksville, Tennessee	6	6	
Henry Fruechtenicht Co., Inc., Louisville, Ky.	114	103	11
Fruen Milling Co., Minneapolis, Minnesota	1	1	
Fuhrer-Ford Mill Co., Inc., Mt. Vernon, Kentucky	15	13	2
Gallatin County Farm Supply, Warsaw, Kentucky	1		1
Garden Street Mill & Elevator Co., Louisville, Ky.	5	5	
Garrard Mills, Lancaster, Kentucky	14	8	6
Garrard Farm Service, Lancaster, Kentucky	2	2	
The J.I. Gates Milling Co., Columbus, Ohio	3	2	1
General Foods Corp., White Plains, New York	4	4	
General Mills, Inc. Minneapolis, Minnesota	9	9	
Germantown Milling Co., Germantown, Kentucky	4	4	
Giant Wholesale Company, Johnson City, Tennessee	1	1	
Gilster Milling Co., Chester, Illinois	10	7	3
Glenmore Distillers Co., Owensboro, Kentucky	3	3	
Goff Milling Co., Horse Cave, Kentucky	1	1	
Goldenrod Oil Meal & Sales Co., Memphis, Tenn.	3	3	
Grain Processing Corp., Muscatine, Iowa	1	1	
Grayson Milling Co., Grayson, Kentucky	1	1	
Green County Milling Co., Greensburg, Kentucky	3	3	
Gwinn Brothers & Co., Huntington, West Virginia	17	15	2
Earl Hale & Son, Jasper, Ohio	1	1	
Harvest Brand, Inc., Pittsburg, Kansas	8	6	2
Hales & Hunter, Chicago, Illinois	30	29	1
Hardin County Milling Co., Elizabethtown, Ky.	4	2	2
Hardin Feed Mill, Hardin, Kentucky	5	5	
Hardy Brothers Mill, Walton, Kentucky	3	3	
Harlan Farmers Supply, Harlan, Kentucky	1	1	
Harpeth Mills, Nashville, Tennessee	5	1	4
The P.H. Harsha Milling Co., Portsmouth, Ohio	1	1	
T.J. Haycraft Sales & Service, Leitchfield, Ky.	2	2	
Haydon Mill & Grain Co., Springfield, Kentucky	13	9	4
Heaven Hill Distilleries, Inc., Bardstown, Ky.	8	8	
Henderson Feed & Commission Co., Henderson, Ky.	2	1	1
Dr. Heinz Co., Inc., Washington C H, Ohio	23	17	6
Hill Packing Co., Topeka, Kansas	1	1	
Hodgenville Roller Mill, Hodgenville, Ky.	1	1	
Home Milling Co., Greenville, Kentucky	25	21	4
Hopkinsville Milling Co., Hopkinsville, Ky.	8	8	
Horlick's Corp., Racine, Wisconsin	1	1	
Howdy Distributing Co., Marietta, Ohio	2	2	
Igleheart Brothers, Evansville, Indiana	7	6	1
Illinois Cereal Mills, Inc., Paris, Illinois	4	4	
Illinois Soy Products Co., Springfield, Illinois	4	4	
J.F. Imbs Milling Co., St. Louis, Missouri	3	3	
Independent Oil Mill, Inc., Jackson, Miss.	9	9	
Jet Products Co., Columbus, Miss.	1		1
K & K Manufacturing, Inc., Minneapolis, Minn.	1	1	
The E. Kahn's Sons Co., Cincinnati, Ohio	1	1	

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
Kaler Milling Co., Symsonia, Kentucky	1	1	
Keller Hay & Grain Co., Newport, Kentucky	2	2	
Kellogg Co., Battle Creek, Michigan	1	1	
Kentucky Animal By-Products Co., Russellville, Kentucky	2	2	
Kentucky By-Products Corp., Louisville, Kentucky	8	6	2
Kentucky Chemical Industries, Inc., Cincinnati, Ohio	1		1
Keynes Brothers, Logan, Ohio	3	1	2
Klarer of Kentucky, Louisville, Kentucky	4		4
Knifley Feed & Supply Co., Knifley, Kentucky	1	1	
Ed G. Koehl, Inc., Reading, Ohio	4	3	1
Kraft Foods, Chicago, Illinois	1	1	
Krey Packing Co., St. Louis, Missouri	1	1	
La Cross Milling Co., Cochrane, Wisconsin	1	1	
Lake County Oil Mill, Tiptonville, Tenn.	8	7	1
Land-O-Nan Warehouse, Sturgis, Kentucky	1	1	
Laswell Milling Co., Brodhead, Kentucky	3	2	1
Lauhoff Grain Co., Danville, Illinois	1	1	
Lewisburg Roller Mills, Lewisburg, Kentucky	8	4	4
Lexington Roller Mills, Lexington, Kentucky	46	40	6
Life Guard Feeds, Columbus, Ohio	14	11	3
Lilly Bros. Seed Co., Hopkinsville, Kentucky	3	2	1
Lofton's Feed & Grain, Clay, Kentucky	1		1
London Feed & Milling Co., London, Kentucky	1	1	
Louisa Supply Co., Louisa, Kentucky	4	4	
Lovelaceville Feed Mill, Lovelaceville, Kentucky	2	2	
L.B. Lovitt & Co., Memphis, Tennessee	1	1	
Lowe's Feed & Hatchery, Bowling Green, Kentucky	6	4	2
M.F.A. Grain & Feed, Mexico, Missouri	1	1	
Magic Feed Mills, Paoli, Indiana	2	2	
Markin Feed Co., Ironton, Ohio	1	1	
Marnat Packing Co., Bennettsville, South Carolina	1	1	
Mayfield Milling Co., Mayfield, Kentucky	8	6	2
Mayfield Sweet Feed Mill, Mayfield, Kentucky	20	20	
Mayflower Mills, Ft. Wayne, Indiana	2	2	
McGahan Feed Co., Paintsville, Kentucky	5	3	2
McKnight-Keaton Grocery Co., Sikeston, Mo.	3	3	
Master Feed & Seed Co., Gallepolis, Ohio	1	1	
Meadows Feed & Building Supply, Clay City, Ky.	6	4	2
Memphis Cotton Oil Mill, Memphis, Tennessee	5	3	2
The Mennel Milling Co., Fostoria, Ohio	4	4	
Metcalfe County Farmers Supply, Inc., Edmonton, Kentucky	1	1	
Metzger Brothers, Paducah, Kentucky	1		1
Middlesboro Milling Co., Middlesboro, Kentucky	12	11	1
Midget Mills, Somerset, Kentucky	2	1	1
Mid-South Milling Co., Memphis, Tennessee	1	1	
Midwest Feeds, Cincinnati, Ohio	1		1
S.E. Mighton Co., Bedford, Ohio	3	3	
Milliken Sweet Feed Mill, Franklin, Kentucky	2		2
Model Mill, Jackson, Tennessee	1	1	
Mohawk Roller Mills, Mohawk, Tennessee	1	1	
Monarch Milling Co., Mt. Sterling, Kentucky	3	2	1
Monroe Bros. Sweet Feed, Tompkinsville, Ky.	1	1	
Monroe County Farmers Service, Inc. Tompkinsville, Kentucky	2	2	
Moorman Manufacturing Co., Quincy, Illinois	18	17	1
Morgantown Feed Mill, Morgantown, Kentucky	4	2	2
John Morrell & Co., Chicago, Illinois	2	2	

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
Morton Salt Co., Chicago, Illinois	2	2	
Mt. Vernon Milling Co., Mt. Vernon, Indiana	5	5	
Munfordville Milling Co., Munfordville, Ky.	2	2	
Murphy Grain & Milling Co., Owensboro, Ky.	3	3	
Murphy Products Co., Burlington, Wisconsin	3	3	
H. Nagel & Sons, Cincinnati, Ohio	1	1	
Nashville Cotton Oil Mill Corp., Nashville, Tenn.	6	6	
National Biscuit Co., New York, New York	8	8	
National Molasses Co., Cincinnati, Ohio	1	1	
National Oats Co., East St. Louis, Illinois	37	35	2
National Packing Co., Greenville, Mississippi	1	1	
Nebraska Processors, Inc., Fremont, Nebraska	1	1	
Neuhoff Packing Co., Nashville, Tennessee	1	1	
New Era Milling Co., Arkansas City, Kansas	3	3	
9-Lives Pet Food Co., Terminal Island, Calif.	1	1	
Chas. Nunn & Sons Milling Co., Evansville, Ind.	33	33	
Nutrena Mills, Minneapolis, Minnesota	2	2	
Odon Milling Co., Inc., Odon, Indiana	4	2	2
Old Stanley Distillery, Inc., Stanley, Kentucky	1	1	
Ohio Blenders, Inc., Toledo, Ohio	2	2	
Orleans Canning Co., Chicago, Illinois	1	1	
Owensboro Grain Co., Owensboro, Kentucky	11	9	2
Owensboro Milling Co., Owensboro, Kentucky	41	36	5
Pan American Mills, Bowling Green, Kentucky	20	17	3
Pan Pacific Fisheries, Inc., Terminal Island, California	1		1
Patterson & Guthrie, Harrodsburg, Kentucky	2	2	
Pedrick Laboratories, Sand Springs, Oklahoma	1		1
John J. Pepin & Company, Memphis, Tennessee	3	3	
Pennington Milling Co., Pennington Gap, Va.	4	4	
Perk Foods Co., Chicago, Illinois	3	2	1
Pierce & Williams, Hopkinsville, Kentucky	5	5	
The Pillsbury Company, Minneapolis, Minn.	68	54	14
Pittsburg Plate Glass Co., Red Wing, Minn.	1	1	
Planters Oil Mill, Tunica, Mississippi	1	1	
Portland Feed Mill, Portland, Tennessee	4	2	2
Princeton Mills, Princeton, Kentucky	7	7	
Proctor & Gamble, Cincinnati, Ohio	1	1	
Proviso Feeds & Concentrates, Botkins, Ohio	6	6	
Quaker Oats Co., Chicago, Illinois	61	53	8
Quincy Soybean Co., Quincy, Illinois	1	1	
C.B. Ragland Co., Nashville, Tennessee	3	3	
Ralph Wells & Co., Monmouth, Illinois	1	1	
Ralston Purina Company, St. Louis, Missouri	299	287	12
Randolph Milling Co., Bandana, Kentucky	2	2	
Reelfoot Alfalfa Mill, Tiptonville, Tennessee	2	2	
Regal Feed Mills, Nashville, Tennessee	1	1	
Riteway Milling Co., Otway, Ohio	8	7	1
Robbins Brothers, Auburn, Kentucky	7	1	6
Allen Robertson & Company, Louisville, Ky.	1	1	
The Robertson Corp., Ewing, Indiana	5	5	
Roberts Brothers, Burlington, Kentucky	3	2	1
Robinson Milling Co., Somerset, Kentucky	29	20	9
Rogers Feed Store, Corinth, Kentucky	7	7	
Rome Oil Mill, Rome, Georgia	2	1	1

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
G.P. Rose Co., Inc., Nashville, Tennessee	4	4	
Ross Feed Co., Murray, Kentucky	7	6	1
Russell-Miller, Minneapolis, Minnesota	1	1	
Russell & Company, Hilliards, Ohio	1	1	
Russell Springs Milling Co., Russell Springs, Kentucky	2	2	
Ryde & Co., Chicago, Illinois	2	2	
Salyersville Wholesale, Inc., Salyersville, Ky.	4	2	2
Sandusky Brothers, Harrodsburg, Kentucky	13	10	3
Chas. H. Schenk & Sons, Vincennes, Indiana	2	2	
Schenley Distillers Inc., New York, New York	3	3	
John Schlemmer, Harrison, Ohio	1	1	
Scioto Farm Bureau Coop. Assn., Lucasville, Ohio	1	1	
The Scott County Milling Co., Sikeston, Mo.	17	16	1
Seaboard Allied Milling Co., Kansas City, Mo.	1	1	
Joseph E. Seagram & Sons, Inc., New York, NY.	1	1	
Security Mills, Inc., Knoxville, Tennessee	13	12	1
Sikeston Cotton Oil Co., Sikeston, Missouri	1	1	
J. Allen Smith & Company, Inc., Knoxville, Tenn.	6	6	
Smithfield Milling Co., Smithfield, Kentucky	1	1	
South Coast Fisheries, Inc., Long Beach, Calif.	1	1	
Southern Cotton Oil, Macon, Georgia	5	5	
Southern Rendering Co., Shelbyville, Tenn.	1		1
Southern States Bardstow Coop., Bardstow, Ky.	1	1	
Southern States Campbellsville Coop., Campbellsville, Kentucky	2	2	
Southern States Carlisle Coop., Carlisle, Ky.	1	1	
Southern States Elizabethtown Coop., Elizabethtown, Kentucky	5	5	
Southern States Glasgow Coop., Glasgow, Ky.	3	2	1
Southern States Henderson Coop., Henderson, Ky.	1	1	
Southern States Hopkinsville Coop., Hopkinsville, Kentucky	7	7	
Southern States La Grange Coop., La Grange, Ky.	4	4	
Southern States Lebanon Coop., Lebanon, Ky.	1	1	
Southern States Leitchfield Coop., Leitchfield, Kentucky	1	1	
Southern States London Coop., London, Kentucky	2	2	
Southern States Owenton Coop., Owenton, Kentucky	2	2	
Southern States Shelbyville Coop., Shelbyville, Kentucky	3	3	
Southern States Somerset Coop., Somerset, Ky.	1	1	
Southern States Cooperative, Inc., Richmond, Va.	8	6	2
Woodford Spears & Sons, Paris, Kentucky	7	5	2
Spears-Kiser Co., Paris, Kentucky	1	1	
Spencer Kellogg & Sons, Inc., Kansas City, Mo.	1		1
Spen-Well Feed Co., Winchester, Kentucky	85	40	45
A.E. Staley Manufacturing Co., Decatur, Ill.	4	4	
Standard Brands, Inc., New York, New York	1	1	
Stewart's Feed Mill, Flat Lick, Kentucky	5	4	1
Sturgis Milling Co., Sturgis, Kentucky	19	16	3
Summer Shade Roller Mills, Summer Shade, Ky.	3	1	2
Sun-Ray Feed Mills, Bowling Green, Kentucky	1	1	
Sun-Ray Feed Mills, Lexington, Kentucky	5	5	
Sunrise Feed Service, Kevil, Kentucky	2	2	
Sunshine Biscuit, Inc., Grafton, Ohio	3	3	
Supreme Mills, Glasgow, Kentucky	58	40	18
D.B. Sutherland & Sons, Bloomfield, Kentucky	17	14	3
Sweet Feed Mills, Inc., Bowling Green, Kentucky	4	4	
Swift & Company, Chicago, Illinois	22	17	5

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1963

For samples not passed see Table 2

NAME AND ADDRESS OF MANUFACTURER	Number of Samples Analyzed and Examined	Number of Samples Passed	Number of Samples Not Passed
T & H Feed Service, Lebanon, Kentucky	2	2	
Tabor Hatchery & Bldg. Supply, Columbia, Ky.	7	6	1
Taylor County Feed Co., Campbellsville, Ky.	3	3	
Teater & Cassity Farm Service, Nicholasville, Kentucky	2	2	
The Thorobred Co., Inc., Waynesville, Ohio	3	1	2
Thurmond's Coal & Feed Co., Murray, Ky.	5	5	
Trenton Oil Mill Co., Trenton, Tennessee	10	10	
Tri-County Farm Supply, Corbin, Kentucky	3	3	
Tri-State Mills, Kenova, West Virginia	2	2	
Tri-State Molasses Co., Nashville, Tennessee	1	1	
Tri-State Molasses Co., Owensboro, Kentucky	2	2	
Tupelo Oil Mill, Tupelo, Mississippi	1	1	
Ubiko Life Guard Feeds, Columbus, Ohio	5	5	
Verhoff Alfalfa Mills, Ottawa, Ohio	1	1	
Vets' Div. of Perk Food Co., Chicago, Illinois	3	3	
Walters & Thompson, Shelbyville, Kentucky	4	3	1
The Watkins Salt Co., Glen, New York	1	1	
Weisenberger Mills, Midway, Kentucky	7	6	1
West Tennessee Soya Mills, Tiptonville, Tenn.	7	7	
West Ninth Street Mill, Owensboro, Kentucky	8	6	2
Western Grain Co., Birmingham, Alabama	3	3	
Martha White Mills, Inc., Huntington, West Va.	14	14	
The Whitewater Flour Mills Co., Whitewater, Kansas	3	2	1
The George Wiedemann Brewing Co., Newport, Ky.	3	3	
Williamstown Roller Mills, Williamstown, Ky.	8	7	1
Winn Milling Co., Greensburg, Kentucky	2	2	
Woolcott Mills, Inc., Lexington, Kentucky	6	4	2
	3368	2885	483
		85.6%	14.4%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
W.G. Adams, Waynesburg, Kentucky Home made Mixed Feed	Crude Protein 13.0%	12.3%
Albany Mill, Albany, Kentucky Clinton 20% Dairy Feed	Crude Protein 20.0%	18.8%
Albers Milling Company, Los Angeles, California Friskies Horse Meat with Gravy Dog Food	Crude Fat 4.0%	11.1%
Allied Mills, Inc., Chicago, Illinois Wayne Universal Mixer	Crude Fiber 6.5%	7.1%
Wayne Universal Mixer	Crude Fiber 6.5%	7.8%
Wayne Universal Mixer	Crude Protein 36.0%	34.6%
Wayne Universal Mixer	Crude Protein 36.0%	32.8%
Wayne Universal Mixer	Crude Fat 4.0%	2.3%
Wayne Chick Mixer Medicated	Zoalene 0.0315%	0.021%
Wayne Hog Balancer Medicated M29	Arsanilic Acid 0.045%	0.0255%
Anderson County Farm Service, Lawrenceburg, Kentucky Anderson County 16% Dairy Feed	N.P.N. 2.3%	5.9%
Anglo Sweet Feed Mill Inc., Owensboro, Kentucky Ace Perfection 40% Pig & Hog Supplement	Crude Protein 40.0%	38.0%
Ashland Milling Co., Ashland, Kentucky Ideal 18% Laying Mash	Crude Protein 18.0%	17.4%
24% Mi Choice Dairy Feed	Crude Protein 24.0%	21.6%
E & E Special 24% Dairy Feed	Crude Protein 24.0%	22.5%
E & E Special 24% Dairy Feed	Crude Protein 24.0%	22.8%
E & E Special 24% Dairy Feed	Crude Protein 24.0%	22.9%
E & E Special 24% Dairy Feed	Crude Protein 24.0%	22.8%
E & E 16% Dairy Feed	Crude Fat 2.5%	1.7%
	N.P.N. 5.0%	8.1%
E & E 16% Dairy Feed	Crude Protein 16.0%	12.5%
Ideal 17% Hog & Pig Feed	Crude Protein 17.0%	15.7%
Ideal Pork Maker	Crude Fiber 8.0%	8.7%
Aubrey Feed Mills, Inc., Louisville, Kentucky Red A Calf Starter-Grower	Crude Protein 18.5%	17.7%
Red A Starter & Grower Medicated	Crude Protein 20.0%	18.3%
Red A Starter & Grower Medicated	Amprolium 0.008%	0.006%
Red A Starter & Grower Medicated	Amprolium 0.008%	0.0022%
Red A 32% Dairy Supplement	Crude Protein 32.0%	31.1%
Aubrey's Special 16½% Dairy Feed	Crude Protein 16.5%	15.6%
Aubrey's Special 16½% Dairy Feed	Crude Protein 16.5%	15.8%
Red A 40% Hog Concentrate Medicated	Crude Protein 40.0%	39.1%
Red A 40% Hog Supplement	Crude Protein 40.0%	38.4%
Red A 40% Hog Supplement	Crude Protein 40.0%	39.3%
Red A 40% Hog Supplement	Crude Protein 40.0%	38.8%
Red A 40% Hog Supplement	Crude Protein 40.0%	39.0%
Red A 16% Sow & Pig Pellets Medicated	Crude Protein 16.0%	15.2%
Red A 16% Sow & Pig Pellets Medicated	3-Nitro-4-0.0025%	0.0016%
Red A 18% Pig Starter Pellets	3-Nitro-4-0.0025%	0.004%
Aubrey's 44% Solvent Extracted Soybean Meal	Crude Fiber 7.0%	8.9%
Aubrey's 34% Solvent Extracted Linseed Meal	Crude Protein 34.0%	30.8%
Auburn Mills, Inc., Auburn, Kentucky Leader Wheat Shorts & Screenings	Crude Protein 15.0%	14.4%
Aylor and Meyer Co., Aurora, Indiana Rainbow Dairy Feed 16%	N.P.N. 3.6%	6.2%
Rainbow Dairy Feed 16%	N.P.N. 3.6%	6.2%
Rainbow Dairy Feed 16%	N.P.N. 3.6%	5.7%
Rainbow Dairy Feed 16%	N.P.N. 3.6%	5.5%
Rainbow Dairy Feed 16%	N.P.N. 3.6%	5.5%
Rainbow Dairy Feed 16%	N.P.N. 3.6%	5.3%
Bagdad Roller Mills, Inc. Bagdad, Kentucky Rocket Age Lay Ration Medicated	Arsanilic Acid 0.01%	0.0069%
Rocket Age Lay Ration Medicated	Arsanilic Acid 0.01%	0.0041%
Rocket Age 24% Dairy Feed	N.P.N. 7.9%	10.9%
Rocket Age 40% Hog Concentrate	Crude Protein 40.0%	38.8%
Rocket Age 40% Hog Concentrate	Crude Protein 40.0%	38.2%
Rocket Age 32% Beef Cattle Concentrate	Crude Protein 32.0%	29.9%
Barry-Carter Milling Co., Lebanon, Tennessee Fortune Hominy Feed	Crude Fiber 6.0%	9.3%
Baughman Milling Company, Stanford, Kentucky Big B 24% Dairy Feed	Crude Protein 24.0%	21.7%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Big B 24% Dairy Feed		Unground weed seeds etc.
Big B Hen Feed		Unground weed seeds etc.
Big B Hen Feed		Unground weed seeds etc.
Beacon Division of Textron, Inc., Kansas City, Mo.		
Bullets 40% Hog Supplement A	Crude Protein 40.0%	39.0%
Professional Pro-Lass A Hog Supplement	Crude Protein 35.0%	34.2%
Browder Milling Co., Fulton, Kentucky		
Browders 40% Hog Supplement Medicated	Crude Protein 40.0%	38.9%
Brown Molasses Co., Inc., North Webster, Indiana		
Handy-Las	Sugar 42.0%	35.87 contained rice hulls
	Sugar 42.0%	37.8%
	Crude Fiber 15.0%	15.9%
Bryant & Crume Milling Company, Caneyville, Ky.		
Gold Medal 16% Dairy Feed	N.P.N 2.7%	5.3%
Gold Medal 16% Pig & Sow Medicated	Crude Protein 16.0%	15.1%
Gold Medal 12½% Hog Fattener Medicated	Arsanilic Acid 0.01%	0.0075%
Gold Medal 18% Hog Grower Medicated	Arsanilic Acid 0.01%	0.0057%
Buckeye Cellulose Corporation, Cincinnati, Ohio		
Buckeye 41% Cottonseed Meal	Crude Protein 41.0%	40.2%
Burch Hester Feed Store, Hustonville, Kentucky		
Big Chief 20% Dairy Feed	Crude Protein 20.0%	18.8%
Cadiz Milling Company, Cadiz, Kentucky		
Check-R-Mix Pig Starter (SD) 3AB Medicated	Arsanilic Acid 0.007%	0.006%
Check-R-Mix Pig Pre-Starter (J) 3AB Medicated	3-Nitro-4 0.007%	0.0054%
Sugar Sweet Dairy Feed 16%	Crude Protein 16.0%	14.6%
Sugar Sweet Dairy Feed 16%	Crude Protein 16.0%	13.8%
Campbell & Company, Inc., Mattoon, Illinois		
Campbells Horse Meat Product Dog Food	Crude Fat 5.0%	18.9%
Caneyville Roller Mills, Caneyville, Kentucky		
Kentucky Farm 12% Hog Finisher Medicated	Crude Protein 12.0%	11.3%
Kentucky Farm 12% Hog Finisher Medicated	Arsanilic Acid 0.01%	0.0046%
Central Soya, Fort Wayne, Indiana		
Master Mix Calf Mixer 559	Crude Fiber 6.5%	7.9%
Master Mix Calf Mixer 559	Crude Fiber 6.5%	7.2%
Master Mix Chick Concentrate 153-04G Medicated	Crude Fat 4.0%	2.8%
Master Mix Chick Starter 103-04A Medicated	Zoalene 0.0125%	0.0087%
Master Mix Blended Fifty 675	Crude Protein 50.0%	49.3%
Master Mix Blended Fifty 675	Crude Protein 50.0%	47.7%
Master Mix Blended Fifty 675	Crude Protein 50.0%	49.2%
Master Mix Blended Fifty 675	Crude Protein 50.0%	48.5%
Master Mix Blended Fifty 675	Crude Protein 50.0%	48.5%
Master Mix Blended Fifty 675	Crude Protein 50.0%	7.2%
Master Mix Blended Fifty 675	Crude Fiber 6.0%	48.3%
Master Mix Blended Fifty 675	Crude Protein 50.0%	48.6%
Master Mix Blended Fifty 675	Crude Protein 50.0%	49.0%
Master Mix Blended Fifty 675	Crude Protein 50.0%	49.2%
Master Mix Blended Fifty 675	Crude Protein 50.0%	7.2%
Master Mix Blended Fifty 675	Crude Fiber 6.0%	47.6%
Master Mix Blended Fifty 675	Crude Protein 50.0%	10.1%
Master Mix Blended Fifty 675	Crude Fiber 9.0%	37.2%
Master Mix Blended Fifty 675	Crude Protein 38.0%	
Master Mix 38% Dairy Concentrate 671		
Master Mix 38% Dairy Concentrate 671		
0.0011% Diethylstilbestrol in		
Master Mix Gro-Greater Concentrate 767L-37A	Crude Fiber 10.0%	10.8%
Master Mix Gro-Greater Concentrate 767M	Crude Fiber 10.0%	11.0%
Master Mix Cattle Blend Concentrate 7645	Crude Fiber 13.0%	14.3%
Master Mix Cattle Blend Concentrate 7645	Crude Fiber 13.0%	15.0%
Master Mix Cattle Blend Concentrate 7645	Crude Fiber 13.0%	13.8%
Master Mix Cattle Blend Concentrate 7645	Crude Fiber 13.0%	30.9%
Master Mix Cattle Blend Concentrate 7645	Crude Protein 32.0%	
Master Mix Medicated Pig Bio 600 Concentrate 878-64B		
Master Mix Sow & Pig Concentrate 865	Crude Protein 45.0%	44.3%
Master Mix Sow & Pig Concentrate 865	Crude Fiber 9.0%	9.8%
Master Mix Sow & Pig Concentrate 865	Crude Protein 36.0%	34.0%
Master Mix 35% Hog Concentrate 873	Crude Fiber 9.0%	10.3%
Master Mix 35% Hog Concentrate 873	Crude Protein 35.0%	33.9%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Master Mix Hound Pack 957	Crude Protein 22.0%	15.8%
Master Mix Hound Pack 957	Crude Protein 22.0%	14.0%
Master Mix Hound Pack 957	Crude Protein 22.0%	16.5%
Master Mix H Q Master Blend Concentrate 667	Crude Protein 38.0%	37.0%
Citizens Milling Company, Somerset, Kentucky		
Cumberland 24% Dairy Feed	N.P.N. 8.3%	12.3%
Cumberland 24% Dairy Feed	Crude Protein 24.0%	21.4%
Clinton Milling Company, Clinton, Kentucky		
Masco 28% Turkey Starter	Crude Protein 28.0%	26.8%
Wheat Mixed Feed	Crude Fat 3.5%	2.8%
Profit Maker 40% Hog Supplement	Crude Fat 2.5%	1.9%
Clinton Hatchery, Clinton, Kentucky		
New Deal 44% Hog Supplement Medicated	Crude Protein 44.0%	42.9%
Clinton Corn Processing Company, Clinton, Iowa		
Dex-Mo-Lass	Sugar 45.0%	38.5%
H.C. Cole Milling Company, Chester, Illinois		
Omega Winter Wheat Bran	Crude Fat 3.5%	2.8%
Community Mills, Belton, Kentucky		
Brigance Egg Mash	Crude Protein 20.0%	19.2%
Brigance Egg Mash	Crude Protein 20.0%	18.8%
Johnson's 16% Dairy Feed	Crude Protein 16.0%	13.8%
Brigance Pig Feed	Crude Protein 18.0%	15.5%
Brigance Pig Feed	Crude Protein 18.0%	14.8%
Brigance Hog Feed	Crude Protein 15.0%	13.7%
Brigance Hog Feed	Crude Protein 15.0%	13.5%
Johnson's 16% Dairy Feed	Crude Protein 16%	13.4%
Cooperative Mills, Inc., Cincinnati, Ohio		
Calf Developer	Crude Fiber 4.0%	6.5%
Turkey Starter Medicated (A)	Crude Fiber 4.0%	5.8%
	Amprolium 0.0125%	0.004%
	Bithional 0.05%	0.028%
Starting and Growing Mash Medicated (TR)	Crude Protein 65.0%	63.6%
Super Blend "65"	Crude Protein 65.0%	63.5%
Super Blend "65"	Crude Protein 65.0%	64.3%
Super Blend "65"	Crude Protein 65.0%	64.4%
Super Blend "65"	Crude Protein 65.0%	61.0%
Super Blend "65"	Crude Protein 65.0%	62.1%
Super Blend "65"	Crude Protein 65.0%	63.2%
Super Blend "65"	Crude Protein 65.0%	61.3%
Super Blend "65"	Crude Protein 65.0%	63.4%
Super Blend "65"	Crude Protein 65.0%	63.5%
Super Blend "65"	Crude Protein 65.0%	61.2%
Pro-Blend "50"	N.P.N. 18.5%	20.4%
Pro-Blend "50"	Crude Protein 50.0%	48.3%
Pro-Blend "50"	N.P.N. 18.5%	20.4%
Multi-Blend "32"	N.P.N. 12.5%	14.3%
Forage Extender	N.P.N. 1.4%	3.6%
Forage Extender	N.P.N. 1.4%	4.3%
Super Hog Supplement	Salt 9.0%	0.5%
Super Hog Supplement	Calcium 11.0%	13.4%
40% Pork Maker Medicated 602	Crude Protein 44.0%	41.8%
38% Sow & Pig Supplement Medicated	Arsanilic Acid 0.047%	0.028%
Pig-Aid Medicated	Arsanilic Acid 0.01%	0.007%
Pig-Aid Medicated	Crude Fiber 3.0%	7.0%
Crescent Roller Mills, Taylorsville, Kentucky		
Crescent 16½% Dairy Feed	Crude Protein 16.5%	14.6%
Crescent 16½% Dairy Feed	Crude Protein 16.5%	13.6%
Crestwood Farmers Supply Center, Crestwood, Ky.		
Crestwood Milk Maker	Crude Protein 16.0%	11.5%
Crestwood Milk Maker	N.P.N. 2.6%	4.4%
Crestwood 32% Dairy Concentrate	Crude Protein 32.0%	30.0%
Crestwood 40% Hog Balancer Medicated	Crude Protein 40.0%	38.9%
Crestwood Pig Starter Medicated	Crude Fiber 2.0%	3.1%
Dearborn Mills, Aurora, Indiana		
Dearborn Wheat Middlings & Screenings	Crude Fiber 6.0%	8.3%
Decatur Cotton Oil Mills, Decatur, Alabama		
41% Cottonseed Meal	Crude Protein 41.0%	38.2%
	Crude Fiber 13.0%	15.2%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
W.C. Dickens Company, Mentor, Kentucky		
Sunny Grain Complete Grower Medicated	Nitrofurazone 0.0056%	0.0101%
Sunny Grain Complete Grower Medicated	Nitrofurazone 0.0056%	0.002%
Sunny Grain Egg Mash 20%	Crude Protein 20.0%	18.9%
Dixie Mills Co., East St. Louis, Illinois		
Dixie 34% Dairy Concentrate	N.P.N. 7.86%	10.5%
Dixie Cattle Supplement A	Crude Protein 32.0%	31.0%
Dixie Cattle Supplement A	Crude Protein 32.0%	30.5%
Dixie 40% Pig Grower Concentrate Medicated	Crude Protein 40.0%	39.0%
Dixie Portland Flour Mills, Chattanooga, Tenn.		Contained
Red Lion Shorts		Mixed
Duncan & McFarland Farm Service, Lawrenceburg, Ky.		Screenings
16% Dairy Feed	Crude Protein 16.0%	14.6%
The Early & Daniel Company, Cincinnati, Ohio		
Tuxedo 37% Turkey Grower & Finisher Supplement	Crude Protein 37.0%	36.2%
	Calcium 2.4%	5.6%
Tuxedo Chick Starter Medicated	Nitrofurazone 0.0056%	0.0035%
Tuxedo Starter & Grower Medicated	Nitrofurazone 0.0056%	0.0041%
Tuxedo Starter & Grower Medicated	Nitrofurazone 0.0056%	0.0026%
Tuxedo Egg Mash 20% Medicated	Arsanilic Acid 0.02%	0.016%
Tuxedo Egg Mash 20% Medicated	Arsanilic Acid 0.02%	0.0151%
Tuxedo Complete Layer Ration Medicated	Crude Fiber 4.0%	4.6%
	Calcium 2.75%	4.8%
Tuxedo Complete Layer Ration Medicated	Crude Fiber 4.0%	5.2%
Tuxedo 44% Dairy Supplement	Crude Fiber 8.5%	9.1%
Tuxedo 44% Dairy Supplement	Crude Protein 44.0%	43.3%
Tuxedo 44% Dairy Supplement	Crude Protein 44.0%	43.4%
Tuxedo 24% Coarse Dairy	Crude Protein 24.0%	23.4%
Tuxedo 20% Range Cubes	N.P.N. 6.55%	9.1%
Tuxedo Big Forty Hog Supplement	Crude Protein 40.0%	39.4%
Tuxedo Big Forty Hog Supplement	Crude Protein 40.0%	39.3%
Tuxedo 35% Pig & Sow Supplement	Crude Protein 35.0%	33.4%
Empire Distributing Company, St. Louis, Missouri		
Empire Dog Food	Crude Protein 10.0%	9.4%
	Crude Fat 2.0%	0.8%
	Moisture 74.0%	79.4%
	Crude Protein 10.0%	8.8%
	Crude Fat 2.0%	0.9%
Empire Dog Food		
John W. Eshelman & Sons, Lancaster, Pennsylvania		
Conestoga Horse Feed	Salt 1.0%	2.1%
Famous Feed Mills, Nashville, Tennessee		
Golden Gain Egg Laying Mash Medicated	Crude Protein 20.0%	19.0%
Famous 44% Dairy Supplement		Contained
		Rice Hull
Golden Gain 40% Hog Supplement	Crude Protein 40.0%	38.5%
Famous Pig Starter	Crude Fiber 3.5%	4.7%
Meat & Bone Scrap	Crude Fat 8.0%	19.8%
Farmers Elevators, Inc. Owensboro, Kentucky		
Feeders Friend 40% Hog Supplement	Crude Fiber 5.5%	6.2%
Feeders Friend 35% Hog Balancer	Calcium 4.5%	3.3%
	Salt 2.0%	3.5%
	Crude Fat 4.5%	3.5%
	N.P.N. 2.0%	4.7%
Feeders Friend 15% Pig Grower		
Feeders Friend Beef Fattener		
Farmers Milling Company, Somerset, Kentucky		
Spotlight 24% Dairy Feed	N.P.N. 8.3%	12.0%
Spotlight 16% Dairy Feed	Crude Protein 16.0%	13.8%
	Crude Fat 3.0%	2.4%
	N.P.N. 5.3%	7.2%
	Crude Protein 16.0%	14.9%
	Crude Protein 16.0%	14.4%
	Crude Protein 10.0%	9.0%
	Crude Protein 10.0%	8.7%
Spotlight 16% Dairy Feed		
Farmers 16% Mixed Feed		
Farmers 16% Mixed Feed		
Hominy Feed		
Hominy Feed		
Ferncliff Feed & Grain Company, Louisville, Ky.		
Ferncliff 24% Dairy Feed	Crude Protein 24.0%	22.5%
Ferncliff 24% Dairy Feed	N.P.N. 7.86%	11.4%
Cracker Jack Dog Food	Crude Protein 25.0%	21.6%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Cracker Jack Dog Food	Crude Protein 25.0%	24.1%
Field Packing Company, Owensboro, Kentucky		
Field's 50% Meat Scraps	Crude Fiber 3.0%	3.8%
Fischer Packing Company, Louisville, Kentucky		
Kentucky 60% Digester Tankage	Crude Protein 60.0%	59.0%
50% Meat Scraps	Crude Protein 50.0%	47.8%
Folsomdale Milling Company, Boaz, Kentucky		
Folsomdale's Check-R-Mix 16% Dairy Feed	Crude Protein 16.0%	14.8%
Henry Fruechtenicht Company, Inc., Louisville, Ky.		
Producer 44% Dairy Concentrate	Crude Protein 44.0%	42.4%
Producer 44% Dairy Concentrate	N.P.N. 21.0%	23.5%
Producer 33% Dairy Concentrate	N.P.N. 10.5%	12.9%
Producer 20% Dairy Feed	Crude Protein 20.0%	18.4%
Producer 16% Special Dairy Feed	Crude Protein 16.0%	15.3%
Producer 16% Special Dairy Feed	N.P.N. 5.24%	7.9%
Producer 44% Beef Concentrate	N.P.N. 18.34%	21.3%
Producer 44% Beef Concentrate	N.P.N. 18.34%	22.1%
Producer Beef Creepettes	Crude Fiber 15.0%	15.8%
Producer Pig Grower Medicated	Arsanilic Acid 0.01%	0.004%
Producer Pig Grower Medicated	Arsanilic Acid 0.01%	0.0022%
Fuhrer-Ford Mill Company, Inc., Mt. Vernon, Indiana		
Wheat Shorts & Screenings	Crude Protein 16.0%	15.0%
Wheat Shorts & Screenings	Crude Protein 16.0%	15.1%
Gallatin County Farm Supply, Warsaw, Kentucky		
Hall's 16% Special Dairy	N.P.N. 0.5%	2.4%
Garrard Mills, Lancaster, Kentucky		
Garrard 24% Dairy Feed	Crude Protein 24.0%	22.0%
Garrard 24% Dairy Feed	Crude Protein 24.0%	22.4%
Garrard 24% Dairy Feed	Crude Protein 24.0%	22.3%
Garrard 24% Dairy Feed	Crude Protein 24.0%	23.1%
Garrard 24% Dairy Feed	Crude Protein 24.0%	21.1%
Glen Lilly Farm Feed	Crude Protein 12.5%	11.2%
The J.I. Gates Milling Company, Columbus, Ohio		
Economy 22% Brewers-Molass	Crude Fiber 12.0%	13.2%
Gilster Milling Company, Chester, Illinois		
Gilster Wheat Bran	Crude Fat 3.75%	2.7%
Gilster Wheat Bran	Crude Fat 3.75%	2.6%
Gilster Wheat Bran	Crude Fiber 10.0%	10.7%
Gwinn Brothers & Company, Huntington, West Virginia		
18% Pig & Hog Feed	Crude Fiber 6.0%	7.4%
Porkmaster 15%	Crude Fiber 7.0%	9.5%
Harvest Brand, Inc., Pittsburg, Kansas		
Stockade 39% Protein Block	Salt 14.0%	17.0%
Stockade Mineral Worming Block	Phenothiazine 7.5%	6.6%
Hale's & Hunter, Chicago, Illinois		
Rabbit Pellets Medicated	Furazolidone 0.0055%	0.0011%
Hardin County Milling Company, Elizabethtown, Ky.		
Valley Creek Dairy Feed 16%	Crude Protein 16.0%	15.1%
Emerson's Sow & Pig Feed	Crude Protein 18.0%	17.0%
Harpeth Mills, Nashville, Tennessee		
Peerless 16% Dairy Feed		contained
		Rice Hulls
Peerless 40% Hog Supplement	Crude Fiber 7.0%	10.6%
Peerless 40% Hog Supplement	Crude Protein 40.0%	39.4%
Peerless 40% Hog Supplement	Crude Protein 40.0%	39.0%
Haydon Mill & Grain Company, Springfield, Kentucky		
Magic Broiler Finisher	Amprolium 0.0125%	0.0075%
Magic Broiler Finisher	Amprolium 0.0125%	0.008%
Magic 16% Sweet Dairy Feed		contained
		corn cobs
		contained
		corn cobs
Henderson Feed & Commission Company, Henderson, Ky.		
42% Feeding Tankage	Crude Fat 14.0%	12.7%
Dr. Heinz Co., Inc., Washington CH, Ohio		
Heinz Nu-Way 34% Dairy Supplement	Crude Protein 34.0%	33.3%
	Calcium 3.0%	1.99%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Heinz Nu-Way 22% Sweet Flo Mixing Feed	Crude Fiber 8.5%	10.0%
Heinz Nu-Way 22% Sweet Flo Mixing Feed	Crude Fat 2.5%	1.6%
Heinz Nu-Way 22% Sweet Flo Mixing Feed	Crude Fat 2.5%	1.7%
Heinz Nu-Way Pig & Sow Ration	Crude Protein 18.0%	15.0%
Heinz Nu-Way Pig & Sow Ration	Crude Fiber 7.0%	9.1%
Home Milling Co., Greenville, Kentucky		
Happy Home 24% Dairy Feed	Crude Fat 4.0%	3.1%
	Crude Fiber 8.0%	9.8%
	Crude Fiber 8.0%	9.6%
	Crude Fat 4.0%	3.2%
	Crude Fat 4.0%	3.4%
Happy Home 24% Dairy Feed		
Farm-Wa 16% Dairy Feed		
Champion 17% Pig & Sow Meal		
Igleheart Brothers, Evansville, Indiana	Crude Fat 3.5%	2.9%
Wheat Bran		
Jet Products Company, Columbus, Mississippi		
Bonus Dog & Cat Food	Crude Protein 8.0%	7.4%
Kentucky By-Products Corporation, Louisville, Ky.		
24% Brewers Dried Grains	Crude Protein 24.0%	21.8%
Dri-Molass	Sugar 42.0%	40.5%
Kentucky Chemical Industries, Inc., Cincinnati, Ohio		
K-C Steamed Bone Meal	Crude Fiber 2.0%	5.8%
Keynes Brothers, Logan, Ohio		
Logan 24% Dairy Feed	Crude Protein 24.0%	22.3%
	N.P.N. 8.0%	9.6%
Logan 16% Dairy Feed		unground weed seeds
Klarer of Kentucky, Louisville, Kentucky		
Klarer 60% Digester Tankage	Crude Protein 60.0%	56.9%
Klarer 60% Digester Tankage	Crude Protein 60.0%	52.8%
Klarer 60% Digester Tankage	Crude Protein 60.0%	56.9%
Klarer 60% Digester Tankage	Crude Protein 60.0%	54.2%
Ed G. Koehl, Inc., Reading, Ohio		
44% Soybean Meal	Crude Fiber 7.0%	7.7%
Lake County Oil Mill, Tiptonville, Tennessee		
Solvent 41% Cottonseed Meal	Crude Protein 41.0%	39.7%
Laswell Milling Company, Brodhead, Kentucky		
Laswell's Cattle Feed	Crude Protein 12.0%	10.5%
Lewisburg Roller Mills, Lewisburg, Kentucky		
Economy 16% Dairy Feed		contained Rice Hulls
Pay Master Economy Hog Ration	Crude Protein 16.0%	15.2%
Coon Range Pork Maker	Crude Protein 14.0%	12.7%
Coon Range Pork Maker	Crude Protein 16.0%	15.1%
Lexington Roller Mills, Lexington, Kentucky		
Sweet Sue 24% Sweet Dairy Feed	Crude Protein 24.0%	22.1%
Thoroughbred Hog Supplement 40%	Crude Protein 40.0%	37.8%
Thoroughbred Hog Supplement 40%	Crude Protein 40.0%	38.7%
Derby Dog & Puppy Crumbles	Crude Protein 24.0%	23.0%
Derby Dog & Puppy Crumbles	Crude Protein 24.0%	22.9%
Thoroughbred Wheat Shorts & Screenings	Crude Fiber 7.0%	7.7%
Life Guard Feeds, Columbus, Ohio		
Life Guard Special 24% Dairy Feed	Crude Protein 24.0%	23.4%
52% Hi Pro Cattle Supplement	Crude Protein 52.0%	51.0%
Life Guard Pig Grower Medicated	Crude Fat 6.0%	4.0%
Lilly Brothers Seed Co., Hopkinsville, Kentucky		
Lilly's Forty Hog Medicated	Crude Protein 40.0%	37.7%
Lofton's Feed & Grain, Clay, Kentucky		
Lofton's Special Hog Feed	Crude Protein 13.5%	12.4%
Lowe's Feed & Hatchery, Bowling Green, Kentucky		
Meat Maker 18% Hog Ration	Crude Protein 18.0%	16.9%
Meat Maker 18% Hog Ration	Crude Protein 18.0%	17.0%
Mayfield Milling Company, Mayfield, Kentucky		
Gro Fast 40% Hog Supplement Medicated	Crude Protein 40.0%	38.3%
Gro Fast 40% Hog Supplement Medicated	Crude Protein 40.0%	38.7%
	Arsanilic Acid 0.05%	0.036%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
McGahan Feed Company, Paintsville, Kentucky Ground Ear Corn Pig & Hog Feed	Crude Fiber 6.0% Crude Fat 4.5% Crude Fiber 4.0%	8.4% 3.8% 4.6%
Meadows Feed & Building Supply, Clay City, Ky. Meadows Check-R-Mix Laying All Mash Meadows Check-R-Mix Hog Fattener	Crude Protein 16.0% Crude Protein 14.0%	14.3% 13.3%
Memphis Cotton Oil Mill, Memphis, Tennessee Bell Cow 41% Cottonseed Meal Bell Cow 41% Cottonseed Meal	Crude Fiber 13.0% Crude Protein 41.0% Crude Fiber 13.0%	14.4% 40.3% 14.3%
Metzger Brothers, Paducah, Kentucky Tankage with Bone	Crude Protein 43.0% Crude Fat 10.0%	37.1% 22.4%
Middlesboro Milling Company, Middlesboro, Kentucky Reliable 24% Dairy Feed	Crude Protein 24.0%	23.1%
Midget Mills, Somerset, Kentucky Stock Feed	Crude Protein 13.0% Crude Fiber 9.0%	10.4% 10.1%
Midwest Feeds, Cincinnati, Ohio Min-Pro Poultry Concentrate	Calcium 8.0% Phosphorus 4.0% Crude Fat 3.5%	6.5% 3.2% 10.1%
Milliken Sweet Feed Mill, Franklin, Kentucky Milliken's 36% Hog Concentrate Milliken's 20% H-E Pig Starter Medicated	Crude Fat 13.5% Crude Protein 20.0% Arsanilic Acid 0.01%	10.8% 17.0% 0.0017%
Monarch Milling Company, Mt. Sterling, Kentucky Monarch 24% Dairy Feed	Crude Protein 24.0%	22.9%
Moorman Manufacturing Company, Quincy, Illinois Moorman's Min-O-Phene Block For Sheep Medicated	Phenothiazine 6.7%	5.5%
Morgantown Feed Mill, Morgantown, Kentucky Flavo 16% Dairy Feed Flavo Hog Fattener	Crude Fat 2.5% Crude Protein 15.0%	1.9% 13.6%
National Oats Company, East St. Louis, Illinois Corno 42% Dairy Concentrate Corno 40% Hog Supplement	Crude Protein 42.0% Crude Protein 40.0%	40.1% 39.4%
Odon Milling Company, Inc., Odon, Indiana Magic 20% Brown Pasture Balancer Medicated Magic 30% Brown Pasture Balancer Medicated	Phenothiazine 0.25% Phenothiazine 0.25%	0.1% 0.068%
Owensboro Grain Company, Owensboro, Kentucky Ograco 44% Solvent Soybean Meal Ograco 44% Solvent Soybean Meal	Crude Fiber 7.0% Crude Protein 44.0% Crude Fiber 7.0%	7.8% 40.5% 10.2%
Owensboro Milling Company, Owensboro, Kentucky Tru-Test 40% Hog Supplement Tru-Test 40% Hog Supplement Tru-Test 40% Hog Supplement Wheat Shorts & Screenings Wheat Shorts & Screenings	Salt 2.0% Salt 2.0% Salt 2.0% Crude Fiber 6.0% Crude Fiber 6.0%	2.6% 2.7% 2.58% 7.1% 6.6%
Pan American Mills, Bowling Green, Kentucky Sun-Ray 20% Egg Mash Medicated Sun-Ray 20% Egg Mash Medicated Booster 18% Pig & Hog	Arsanilic Acid 0.2% Arsanilic Acid 0.2% Arsanilic Acid 0.01%	0.003% 0.002% 0.006%
Pan Pacific Fisheries, Inc. Terminal Island, Calif. Glamour Puss Cat Food	Crude Fat 2.0%	1.0%
Pedrick Laboratories, Sand Spring, Oklahoma Vigo 100 Brand Dog Food	Crude Protein 16.0%	14.0%
Perk Foods Co., Chicago, Illinois Perk Salmon For Cats	Crude Fat 5.0%	15.9%
The Pillsbury Company, Minneapolis, Minnesota Pillsbury's Best Starter & Grower FZ4 Medicated Pillsbury's Best Starter & Grower FZ4 Medicated Pillsbury's Best Dairy Mixer -44	Furazolidone 0.00083 Nitrofurazone 0.0056 Furazolidone 0.00083 Nitrofurazone 0.0056% Crude Protein 44.0%	0.0039% 0.0027% 42.3%

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MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Pillsbury's Best Dairy Mixer - 44	Crude Protein 44.0%	42.0%
Pillsbury's Best Dairy Mixer- 44	Crude Protein 44.0%	42.3%
Pillsbury's Best 32% Beef Feedlot Supplement	Crude Protein 32.0%	30.7%
Pillsbury's Best 32% Beef Feedlot Supplement	Crude Protein 32.0%	29.8%
Pillsbury's Best Hog Concentrate 38 A1 Medicated	Crude Protein 38.0%	27.3%
	Arsanilic Acid 0.05%	0.0228%
Pillsbury's Best Hog Concentrate 38 A1 Medicated	Crude Protein 38.0%	34.8%
	Arsanilic Acid 0.05%	0.0355%
Pillsbury's Best Hog Concentrate 38 A1 Medicated	Arsanilic Acid 0.05%	0.0355%
Pillsbury's Best Hog Concentrate 38 A1 Medicated	Crude Protein 3.8%	27.9%
	Arsanilic Acid 0.05%	0.023%
	Crude Protein 35.0%	34.0%
Pillsbury's Hog Balancer		
Pillsbury's Best Maxi-Meal Hog Concentrate A1 Medicated	Crude Protein 32.0%	30.2%
Pillsbury's Best Maxi-Meal Hog Concentrate A1 Medicated	Crude Protein 32.0%	30.0%
Portland Feed Mill, Portland, Tennessee		
Leader 40% Hog Concentrate	Crude Protein 40.0%	39.1%
Leader Dairy & Beef Mixer 50%	Crude Protein 50.0%	44.6%
Quaker Oats Company, Chicago, Illinois		
Ful-O-Pep Milking 50% M	Crude Protein 50.0%	48.5%
Ful-O-Pep Milking 50% M	Crude Protein 50.0%	49.3%
Ful-O-Pep Pro Sweet 32% M	Crude Protein 32.0%	30.0%
Ful-O-Pep Mix Gro-Pork 45 Supplement (K1) Med.	Crude Protein 45.0%	43.9%
Ful-O-Pep Mix Gro-Pork 45 Supplement (K1) Med.	Arsanilic Acid 0.05%	0.0227%
Ful-O-Pep Mix Gro-Pork 45 Supplement (K1) Med.	Crude Protein 45.0%	43.8%
Ful-O-Pep Mix Gro-Pork 45 Supplement (K1) Med.	Crude Protein 45.0%	44.1%
Ful-O-Pep Mix 40% Hog Concentrate	Crude Protein 40.0%	39.1%
Ralston Purina Company, St. Louis, Missouri		
Purina Cage Eggena Special	Furazolidone 0.0055%	0.0027%
Purina Cage Layena 6514 Checker-etts	Crude Protein 17.0%	16.4%
Purina Lay Chow	Crude Protein 22.0%	21.1%
Purina Egg Chowder Meal	Calcium 5.0%	3.5%
Purina Cow Chow Concentrate 32%	Crude Protein 32.0%	31.1%
Purina D & F Chow Medicated FZ for Sows	Furazolidone 0.0165%	0.0105%
Purina Medicated Pig Chow 40	Crude Protein 40.0%	37.3%
Purina Hog Chow 3N Medicated	3-Nitro-4- 0.025%	0.0178%
Purina Hog Chow 3N Medicated	Crude Protein 36.0%	35.4%
Purina Hog Chow 3N Medicated	3-Nitro-4-0.025%	0.019%
Purina Hog Chow 3N Medicated	3-Nitro-4-0.025%	0.0197%
Purina Pork Chow	Crude Protein 35.0%	33.3%
Riteway Milling Company, Otey, Ohio		
Riteway's Sweet Sue 16% Dairy Feed	Not registered	contained corn cobs
Robbins Brothers, Auburn, Kentucky		
Hominy Feed	Crude Protein 10.0%	9.1%
	Crude Fat 7.0%	5.0%
Hominy Feed	Crude Protein 10.0%	9.4%
	Crude Fat 7.0%	5.8%
Hominy Feed	Crude Protein 10.0%	8.4%
Hominy Feed	Crude Fat 7.0%	4.1%
Hominy Feed	Crude Protein 10.0%	8.5%
Hominy Feed	Crude Fat 7.0%	4.1%
Hominy Feed	Crude Fat 7.0%	5.7%
Hominy Feed	Crude Protein 10.0%	8.4%
Roberts Brothers, Burlington, Kentucky		
Unique 18% Protein Sow & Pig Ration	Crude Protein 18.0%	14.6%
Robinson Milling Company, Somerset, Kentucky		
Sun-Ray 20% Starting & Growing Mash Medicated	Nitrophenide 0.0125%	0.0037%
Sun-Ray 20% Starting & Growing Mash Medicated	Nitrophenide 0.0125%	0.002%
Green Valley 24% Dairy Feed	Crude Protein 24.0%	22.8%
Sun-Ray 40% Hog Supplement	Crude Protein 40.0%	38.9%
Sun-Ray Booster Hog Supplement Medicated	Crude Protein 40.0%	37.8%
Sun-Ray Booster Hog Supplement Medicated	Crude Protein 40.0%	39.4%
Sun-Ray Booster Hog Supplement Medicated	Arsanilic Acid 0.05%	0.031%
Sun-Ray Pig & Hog Grower Medicated	Arsanilic Acid 0.01%	0.002%
Sun-Ray Pig & Hog Grower Medicated	Crude Protein 17.0%	16.1%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Rome Oil Company, Rome Georgia Cherokee 41% Cottonseed Meal	Crude Protein 41.0%	39.5%
Ross Feed Company, Murray, Kentucky Standard 35% Sow & Pig Supplement	Crude Protein 35.0%	33.5%
Salyersville Wholesale, Inc., Salyersville, Ky. Quick Chick Starter & Grower Medicated	3-Nitro-4 0.0025%	0.0%
	Crude Fiber 7.0%	9.2%
Quick Lay Mash	Crude Fiber 6.0%	6.6%
Sandusky Brothers, Harrodsburg, Kentucky Sandusky 16% Dairy Feed	Crude Protein 16.0%	15.1%
Hominy Feed	Crude Protein 9.0%	8.3%
	Crude Fat 6.0%	4.2%
Cracked Corn	Crude Protein 9.0%	8.0%
The Scott County Milling Co., Sikeston, Missouri Gristo 40% Hog Pellets	Crude Protein 40.0%	38.9%
Security Mills, Inc., Knoxville, Tennessee Security Special 16% Dairy Feed	Crude Fiber 7.5%	8.4%
South Coast Fisheries, Inc., Long Beach, Calif. Top Form Cat Food	Crude Fat 2.0%	14.0%
Southern Rendering Co., Shelbyville, Tennessee Southern 60% Mixture Meat & Bone Meal, Hydrolyzed Poultry Feathers	Crude Protein 60.0%	58.4%
	Crude Fat 5.0%	13.5%
Southern States Glasgow Cooperative, Glasgow, Ky. Profit Maker 38% Swine Supplement	Crude Fiber 7.0%	7.9%
Southern States Cooperative, Inc., Richmond, Va. Southern States Protein Supplement Block	Salt 14.0%	16.0%
Southern States 37% Protein Feed Block	Crude Protein 37.0%	35.8%
Woodford Spears & Sons, Paris, Kentucky Bourbon 18% Dairy Feed	Crude Protein 18.0%	16.1%
Bourbon 18% Dairy Feed	Crude Protein 18.0%	16.6%
Spencer Kellogg & Sons Inc., Kansas City, Missouri Professional Pig Mama Medicated	3-Nitro-4-0.005%	0.0219%
Spen-Well Feed Co., Winchester, Kentucky Newco Egg Mash	Crude Protein 16.0%	14.3%
	Crude Fiber 6.0%	7.3%
	Crude Fat 4.25%	3.7%
Newco Egg Mash	Crude Protein 16.0%	13.8%
Newco Egg Mash	Crude Protein 16.0%	11.9%
Newco Egg Mash	Crude Protein 16.0%	13.8%
Newco Egg Mash	Crude Protein 16.0%	13.2%
	Crude Fat 4.25%	3.2%
	Crude Fiber 6.0%	8.7%
Newco Feeds 24% Dairy	Crude Protein 24.0%	21.5%
Newco Feeds 24% Dairy	Crude Protein 24.0%	22.3%
	Crude Fiber 10.0%	10.7%
Newco Feeds 24% Dairy	Crude Protein 24.0%	18.5%
Newco Feeds 24% Dairy	Crude Protein 24.0%	21.5%
Newco Feeds 24% Dairy	Crude Protein 24.0%	22.1%
Newco Feeds 24% Dairy	Crude Protein 24.0%	19.0%
Newco Feeds 24% Dairy	Crude Protein 24.0%	22.5%
Newco Feeds 24% Dairy	Crude Protein 24.0%	22.5%
Newco Feeds 24% Dairy	Crude Protein 24.0%	18.9%
Newco Feeds 24% Dairy	Crude Protein 24.0%	18.6%
Newco Feeds 24% Dairy	Crude Protein 24.0%	22.4%
Newco Feeds 24% Dairy	Crude Protein 24.0%	20.8%
Newco Feeds 24% Dairy	Crude Protein 24.0%	21.6%
	Crude Fiber 10.0%	12.2%
Newco Feeds 24% Dairy	Crude Protein 24.0%	23.1%
	Crude Fiber 10.0%	11.0%
Newco Feeds 24% Dairy	Crude Fiber 10.0%	11.2%
	Crude Protein 24.0%	19.9%
Newco Feeds 24% Dairy	Crude Protein 24.0%	21.7%
	Crude Fiber 10.0%	12.8%
Newco Feeds 24% Dairy	Crude Protein 24.0%	23.1%
	Crude Fat 2.5%	1.7%
Newco Feeds 24% Dairy	Crude Protein 24.0%	21.2%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Newco Feeds 24% Dairy	Crude Fat 2.5%	1.8%
	Crude Fiber 10.0%	12.2%
	N.P.N. 8.0%	11.3%
Newco Feeds 24% Dairy	Crude Fiber 10.0%	11.5%
	N.P.N. 8.0%	10.2%
	Crude Fiber 10.0%	11.6%
Newco Feeds 24% Dairy	Crude Fat 2.5%	1.8%
Newco Feeds 24% Dairy	Crude Fat 2.5%	1.9%
Newco Feeds 24% Dairy	Crude Fiber 10.0%	11.9%
Newco Feeds 16% Dairy Feed	Crude Protein 16.0%	14.7%
Newco Feeds 16% Dairy Feed	Crude Protein 16.0%	14.2%
Newco Feeds 16% Dairy Feed	Crude Protein 16.0%	14.2%
Newco Feeds 16% Dairy Feed	Crude Protein 16.0%	14.6%
Newco Feeds 16% Dairy Feed	Crude Protein 16.0%	15.0%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	8.1%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	7.5%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	7.3%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	7.4%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	8.9%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	8.6%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	7.1%
Newco Feeds 16% Dairy Feed	N.P.N. 5.3%	7.7%
Newco 40% Hog Supplement	Crude Protein 40.0%	35.0%
Newco 18% Pig & Sow Feed	Crude Protein 18.0%	12.6%
	Crude Fiber 6.0%	7.8%
	Crude Protein 14.0%	13.1%
Newco Pig Grower		
Stewarts Feed Mill, Flat Lick, Kentucky		
Stewart's Best Hog Fattener	Crude Fiber 3.0%	5.4%
Sturgis Milling Company, Sturgis, Kentucky		
Neva-Fail Vim 21% Egg Mash	Crude Fiber 6.0%	7.2%
Hoppy's 20% Pig & Sow Meal Medicated	Arsanilic Acid 0.01%	0.005%
Hoppy's 20% Pig & Sow Meal Medicated	Arsanilic Acid 0.01%	0.0075%
Summer Shade Roller Mills, Summer Shade, Kentucky		
Summer Shade 20% Starter & Grower	Crude Protein 20.0%	18.9%
Summer Shade 16% Dairy Feed	Crude Protein 16.0%	14.3%
Supreme Mills, Glasgow, Kentucky		
Supreme 32% Poultry Supplement Med.	Arsanilic Acid 0.025%	0.003%
Supreme 50% Dairy Supplement	Crude Protein 50.0%	48.5%
Supreme 50% Dairy Supplement	Crude Fiber 7.0%	8.6%
Supreme 50% Dairy Supplement	Crude Fiber 7.0%	8.1%
Supreme 50% Dairy Supplement	Crude Fiber 7.0%	7.6%
Supreme 45% Dairy Concentrate	Crude Protein 45.0%	43.8%
Supreme 45% Dairy Concentrate	Crude Protein 45.0%	43.6%
Supreme 45% Dairy Concentrate	Crude Protein 45.0%	44.1%
Premo 24% Dairy Feed	Crude Protein 24.0%	23.0%
Feeders Pride 16% Dairy Feed	Crude Fiber 10.0%	10.6%
Feeders Pride 16% Dairy Feed	Crude Protein 16.0%	15.0%
Drummer Boy 40% Hog Supplement	Crude Protein 40.0%	38.1%
Supreme 17½% Pig & Hog Feed	Arsanilic Acid 0.01%	0.0063%
Supreme 17½% Pig & Hog Feed	Arsanilic Acid 0.01%	0.002%
Supreme 17½% Pig & Hog Feed	Arsanilic Acid 0.01%	0.007%
Supreme 17½% Pig & Hog Feed	Arsanilic Acid 0.01%	0.002%
Supreme 17½% Pig & Hog Feed	Arsanilic Acid 0.01%	0.0016%
Premo Dog Food	Crude Protein 26.0%	25.0%
D.B. Sutherland & Sons, Bloomfield, Kentucky		
Kentucky Star Farm Feed	Crude Fiber 6.0%	7.3%
Kentucky Star Farm Feed	Crude Fiber 6.0%	6.6%
Kentucky Star Farm Feed	Crude Fiber 6.0%	7.5%
Swift & Company, Chicago, Illinois		
Swift's Rumnant Supplement	Crude Protein 41.0%	35.6%
Swift's Rumnant Supplement	Crude Protein 41.0%	37.8%
Swift's Pig Grower Medicated H	Arsanilic Acid 0.01%	0.0041%
Swift's 42% Expeller Soybean Meal	Crude Protein 42.0%	40.6%
Swift's 42% Expeller Soybean Meal	Crude Protein 42.0%	39.0%
Tabor Hatchery & Building Supply, Columbia, Kentucky		
Tabor 36% Pig & Sow Supplement	Calcium 3.8%	2.3%
The Thorobred Co., Inc., Waynesville, Ohio		

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Thorobred All Beef Dog Food	Crude Fat 6.0%	14.1%
Thorobred All Beef Dog Food	Crude Fat 6.0%	26.0%
Walters & Thompson, Shelbyville, Kentucky Hominy Feed	Crude Fat 5.0%	4.3%
Weisenberger Mills, Midway, Kentucky Wheat Mixed Feed	Crude Protein 13.0% Crude Fat 4.0%	12.4% 3.3%
West Ninth Street Mill, Owensboro, Kentucky Ravar Hi Calorie Cage Layer Ration Custom Dairy	Crude Protein 17.0% Crude Fiber 9.0%	15.7% 11.5%
The Whitewater Flour Mills Co., Whitewater, Kansas Wheat Shorts & Screenings	Crude Fiber 6.0%	6.7%
Williamstown Roller Mills, Williamstown, Kentucky Our Own 20% Egg Mash	Crude Protein 20.0%	15.9%
Woolcott Mills, Inc., Lexington, Kentucky Sun-Ray 40% Hog Supplement	Crude Protein 40.0%	38.5%
Sun-Ray 40% Hog Supplement	Crude Protein 40.0%	39.0%

