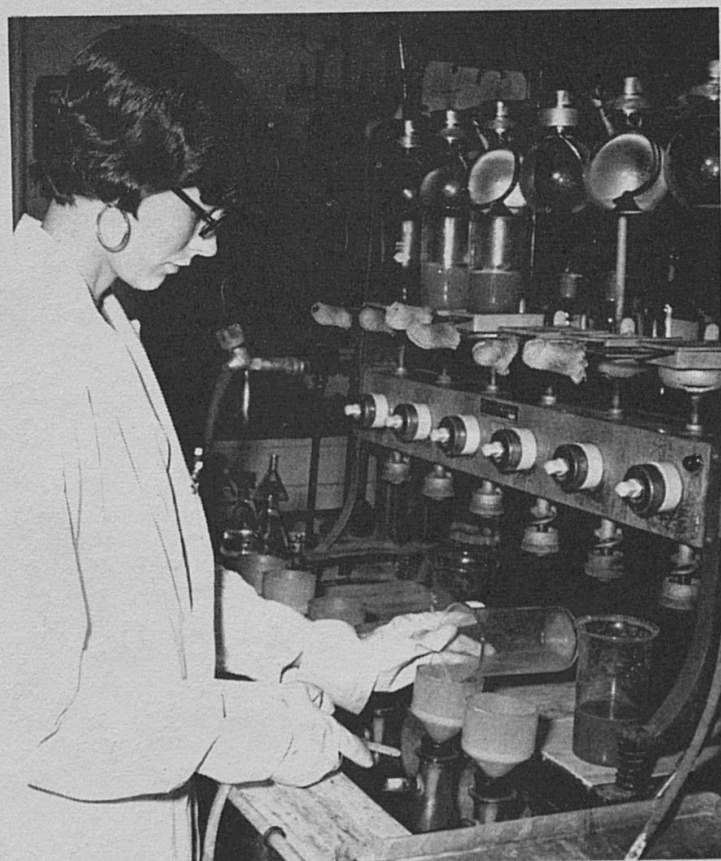


# Commercial Feeds in Kentucky

1972



Regulatory Bulletin 212

University of Kentucky  
College of Agriculture  
Agricultural Experiment Station  
Regulatory Services  
Lexington

(Cover Picture) Laboratory equipment used in the fiber extraction of feeds,  
Department of Regulatory Services

FEED SECTION  
DIVISION OF REGULATORY SERVICES  
KENTUCKY AGRICULTURAL EXPERIMENT STATION

Dr. H. F. Massey, Director  
Walter A. Graham, Assistant Director  
Dr. Frank Pinkerton, Feed Coordinator  
Neville Hulette, Auditor

FIELD INSPECTION

Wilson M. Routt  
Elmer Cottongim  
Ben W. Cox

Claude E. Hensley  
Wallace L. King  
Ellis Hugh Ray

William K. Robertson  
Eugene G. Vanderpool  
Samuel D. Whitehead

LABORATORY

Valva C. Midkiff, Chief Chemist and  
Coordinator Chemical Laboratories

John T. Adair  
Elizabeth Brown  
Judy Dombrowski  
Debra Morris

Dr. Poo An Thio  
Carolyn Sue Herald  
Norma Holbrook

Ellen Perry  
Robert N. Price  
J. A. Shrader

---

CONTENTS

	Page
Introduction & Feed Industry Monitoring Program . . . . .	4
Estimated Tonnage of Feed Sold in 1972. . . . .	5
Companies Having Feed Registered as of 31 December 1972 . . . . .	6
Non-Protein-Nitrogen in Feeds . . . . .	13
The Medicated Feed Label. . . . .	15
Table 1 - Report of Official Feed Samples Analyzed in 1972. . . . .	17
Table 2 - Samples Classified as "In Violation". . . . .	21

This bulletin compiled and prepared by Dr. Frank Pinkerton  
Analytical data by Laboratory Staff

## INTRODUCTION

This bulletin contains the results of inspections and analyses of commercial feeds sold in Kentucky during the calendar year of 1972. Additional information is provided which is thought to be of benefit to feed manufacturers and to their customers, the livestock farmers of the state.

During 1972 the Division of Regulatory Services collected and analyzed 2,180 samples of feed for one or more composition characteristic. Of these samples 1,954 were "official" (taken to monitor the state's feed industry), while the remaining 226 were unofficial "service samples" analyzed at the request of individual farmers, mill operators, and others. Of the 1,954 official samples, 144 or 7.4% failed to meet one or more guarantees (see Table 2); the comparable figure in 1971 was 10%.

The total estimated tonnage of commercial feed sold in Kentucky during 1970 was 714,026 tons and in 1971 it was 742,514 tons. The tonnage figure for 1972 is 683,943. At least part of the observed decline is attributable to recent changes made in the reporting system, particularly in the method of, and liability for, payment of inspection fees.

## FEED INDUSTRY MONITORING PROGRAM

The Feed Coordinator, Division of Regulatory Services, has responsibility for the inspection of feed manufacturing and sales facilities, for the collection and analysis of samples, and for the general administration of the Kentucky Feed Law and its supporting Rules and Regulations. In close cooperation with the Division's fieldmen, laboratory personnel, and the Division Director, the Feed Coordinator administers a program designed to promote equitable competition among manufacturers largely by insuring compliance with regulatory standards. Such standards are used to protect the feed buyer, and ultimately the consumer of livestock products, from harmful errors in feed composition.

To further monitor the feed industry, the Feed Coordinator reviews and permanently registers commercial feeds to be sold in the state. Registration forms are available upon request, and there is no charge for the forms or for the registration procedure. Registrants are again urged to keep their registrations current. Until recently manufacturers have been rather careful to voluntarily register products prior to offering them for sale; lately, however, there have been increased instances of failure to pre-register, and thus it may become necessary to issue stop-sale orders on unregistered feeds in the future.

COMMERCIAL FEEDS IN KENTUCKY, 1972

ESTIMATED TONNAGE OF SALES BY CLASS OF FEED  
KENTUCKY, 1972

5

Complete Feeds

Beef	41,331
Broiler	28,668
Calf	8,222
Dairy	192,102
Dog & Cat	40,995
Horse & Mule	29,379
Layer-Breeder	52,713
Mineral	10,092
Scratch, Wild Bird	5,161
Sheep	532
Starter-Grower	7,512
Swine	128,769
Turkey	461
Miscellaneous Mixed Feeds	<u>13,837</u>
TOTAL COMPLETE FEEDS	<u>559,774</u>

Ingredients

Alfalfa Products	1,805
Animal Products	3,657
Barley Products	421
Beet Products	94
Brewery Products	1,513
Citrus Products	2
Corn Products	18,592
Cottonseed Products	7,884
Distillers Products	8,444
Drugs	40
Grain Sorghum Products	1
Linseed & Flax	361
Marine Products	418
Milk Products	209
Molasses	20,700
Oat Products	5,122
Rice Products	56
Soybean Products	33,544
Urea	220
Vitamins	561
Wheat Products	13,169
Miscellaneous Products	<u>7,356</u>
TOTAL INGREDIENTS	<u>124,169</u>
GRAND TOTAL	<u>683,943</u>

## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

Acme-Evans Company, Inc., Indianapolis, Ind. 46222  
 Ade Farm Chemical Co., Inc., Tiskilwa, Ill. 61368  
 Agricultural Supply Co., Inc., Owensboro, Ky. 42301  
 A & G National Distributors, Clayton, N.M. 88415  
 Ag Services, Inc., Bowling Green, Ky. 42101  
 Agway Inc., Country Best Feeds, Syracuse, N.Y. 13201  
 A-L Farm Service, Lawrenceburg, Ky. 40342  
 Albany Mills, Albany, Ky. 42602  
 Albers Milling Co., Los Angeles, Calif. 90036  
 Alex Agri-Supply Co., Louisville, Ky. 40206  
 Allen Canning Co., Siloam Springs, Ark. 72761  
 Allen County Seed Service, Scottsville, Ky. 42164  
 Allen Products Co., Inc., Allentown, Pa. 18104  
 Allied Chemical Corp., Omaha, Nebr. 68124  
 Allied Chemical Corp., Ag. Div., Houston, Tex. 76101  
 Allied Chemical Corp., Hopewell, Va. 23860  
 Allied Foods Inc., Atlanta, Ga. 30318  
 Allied Mills, Inc., Libertyville, Ill. 60048  
 Alver Brothers Co., Milford, Ill. 60053  
 Amendt Milling Co., Monroe, Mich. 48161  
 American Crystal Sugar Co., Denver, Colo. 80202  
 American Cyanamic Co., Princeton, N.J. 08540  
 American Kennel Foods, Russellville, Ky. 42276  
 American Pet Food Co., Birmingham, Ala. 35223  
 American Rice Growers Coop Assn., Lake Charles, La. 70601  
 American Salt Corp., Des Plaines, Ill. 60018  
 Amory Cotton Oil Co., Inc., Amory, Miss. 38821  
 Anderson Farm Service, Lawrenceburg, Ky. 40342  
 Anderson & Spilman, Danville, Ky. 40422  
 Anglo Sweet Feed Mill, Inc., Owensboro, Ky. 42301  
 Anheuser-Busch, Inc., St. Louis, Mo. 63118  
 Animal Nutrition, Inc., Belleville, Ill. 62223  
 Anvil Mineral Prod. Corp., Bay Springs, Miss. 39422  
 Apex Feed & Supply, Inc., Marietta, Ohio 45750  
 Aquarium Supply Co., Div. Sternco, Harrison, N.J. 07029  
 Archer Daniels Midland Co., Decatur, Ill. 62525  
 Arizona Feeds, Tuscon, Ariz. 85702  
 Armour-Dail, Inc., Chicago, Ill. 60606  
 Ashland Milling Co., Ashland, Ky. 41101  
 Astor Products, Inc., Jacksonville, Fla. 32202  
 Aubrey Feed Mills, Inc., Louisville, Ky. 40204  
 Auburn Mills, Inc., Auburn, Ky. 42206  
 Aylor & Meyer Co., Aurora, Ind. 47001  
 Bagdad Roller Mills, Bagdad, Ky. 40003  
 Barton Brands, Inc., Bardstown, Ky. 40004  
 Bay State Milling Co., Leavenworth, Kan. 66048  
 Bay State Milling Co., Winona, Minn. 55987  
 James B. Beam Distilling Co., Clearmont, Ky. 40110  
 Best Feeds & Farm Supplies, Oakdale, Pa. 15071  
 Bi-County Farm Bureau Co-op., Florence, Ky. 41042  
 Big Four Feed & Implement Co., Scottsville, Ky. 42164  
 Big Star Products Co., Atlanta, Ga. 30302  
 Birmingham Milling Co., Benton, Ky. 42025  
 Bisset Farm Supply, Harrodsburg, Ky. 40330  
 Blenda Life, Inc., Green Isle, Minn. 55338  
 Blue Barn Dog Food Co., New Albany, Ind. 47150  
 Bobb Brothers, Leesburg, Ohio 45135  
 Boone County Farm Supply, Walton, Ky. 41094  
 Boone Valley Coop. Proc. Assn., Eagle Grove, Ia. 50533  
 Boones Feed Store, Stanford, Ky. 40484  
 Borden Chemical Co., Norfolk, Va. 23501  
 Boswell Co., Atlanta, Ga. 30305  
 Bow Wow Co., Inc., Rolla, Mo. 65401  
 Bremco Mills, New Bremen, Ohio 45869  
 Browder Milling Co., Inc., Fulton, Ky. 42041  
 Brown-Forman Distillers Corp., Louisville, Ky. 40201  
 Brown Molasses Co., Inc., Bremen, Ind. 46506  
 Bryant & Crume Milling Co., Caneyville, Ky. 42721  
 Buckeye Cellulose Corp., Cincinnati, Ohio 45201  
 Buckeye Cellulose Corp., Memphis, Tenn. 38108  
 Buhler Mills, Inc., Buhler, Kan. 67522  
 Buhler Mills, Memphis, Tenn. 38104  
 Burrows Feed Mill, Pendleton, Ky. 40055  
 Bush Brothers & Co., Clinton, Tenn. 37716  
 A. C. Butts & Sons, Fulton, Ky. 42041  
 C & M Marketing Co., Detroit, Mich. 58228  
 CPC International Inc., Englewood Cliffs, N.J. 07632  
 Cadiz Milling Co., Cadiz, Ky. 42211  
 American International Inc., New York, N.Y. 10016  
 Campbellsville Milling Co., Campbellsville, Ky. 42718  
 Candlestick Farm, Danville, Ky. 40422

## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

Caneyville Roller Mill Co., Caneyville, Ky. 42721  
 Carey Salt Co., Hutchinson, Kan. 67501  
 Cargill, Inc., Minneapolis, Minn. 55402  
 Cargill, Nutrena Feed Div., Minneapolis, Minn. 55402  
 Carnation Co., Los Angeles, Calif. 90036  
 Carroll County Farm Bureau Coop., Carrollton, Ky. 41008  
 Catz American Co., Inc., New York, N.Y. 10016  
 Central Soya Co., Inc., Fort Wayne, Ind. 46802  
 Central Soya of Ky., Louisville, Ky. 40204  
 Cerulean Feed Mills, Cerulean, Ky. 42215  
 Champion Valley Farms, Inc., Camden, N.J. 08101  
 Chemagro Corp., Kansas City, Mo. 64120  
 Clarkson Feed Store, Clarkson, Ky. 42726  
 Climax Mills, Shelbyville, Ky. 40065  
 Clinton Corn Processing Co., Clinton, Ia. 62233  
 Columbian Hog & Cattle Powder, Kansas City, Mo. 64129  
 Comet Rice Mills, Houston, Tex. 77001  
 Commercial Solvents Corp., Terre Haute, Ind. 47808  
 Community Milling Co., Irvington, Ky. 40146  
 Community Feed Mill, Belton, Ky. 42324  
 Consolidated Mills, Inc., Blissfield, Mich. 49228  
 Cosby-Hodges Milling Co., Birmingham, Ala. 35201  
 Craft Feed & Grain, Catlettsburg, Ky. 41129  
 Crafton-Duncan, Inc., Henderson, Ky. 42420  
 Crescent Roller Mills, Inc., Taylorsville, Ky. 40071  
 Cudahy Co., Harrodsburg, Ky. 40330  
 Cumberland Milling Co., Clarksville, Tenn. 37040  
 Curry & Sons, Liberty, Ind. 47353  
 Custom Feed Mills, Morganfield, Ky. 42437  
 Cutter Bill Products, Alexandria, Ohio 45381  
 Dairymen, Inc., Louisville, Ky. 40202  
 Darling & Co., Chicago, Ill. 60609  
 Darragh Co., Little Rock, Ark. 72203  
 Davis Feed & Farm Supply, Greensburg, Ky. 42743  
 Dawes Laboratories, Inc., Chicago, Ill. 60632  
 Dearborn Mills, Aurora, Ind. 47001  
 Delta Oil Mill, Inc., Jonestown, Miss. 38639  
 Delta Rice, Inc., Hollandale, Miss. 38748  
 Delta Pet Products, Harrison, N.J. 07029  
 Diagnostic Data, Inc., Mt. View, Calif. 94040  
 Diamond Crystal Salt Co., St. Clair, Mich. 48079  
 Diamond Laboratories, Des Moines, Ia. 50303  
 Diamond Shamrock Chemical Co., Newark, N.J. 07101  
 Diamond V. Mills, Inc., Cedar Rapids, Ia. 52407  
 Dicken Mill, Mentor, Ky. 41060  
 Dixie Mills, Co., E. St. Louis, Ill. 62202  
 Dixie Portland Flour Mills, Chattanooga, Tenn. 37401  
 Dixie Portland Flour Mill, Memphis, Tenn. 38101  
 Dixon Bros. Inc., Greenwich, Conn. 06870  
 Doane Products Co., Joplin, Mo. 64801  
 Docktors Laboratories, Cornwell Heights, Pa. 19020  
 The Dow Chemical Co., Midland, Mich. 48640  
 Duncan-McFarland Farm Service, Lawrenceburg, Ky. 40342  
 Edges Feed Store, Fordville, Ky. 42345  
 E.I. Dupont DeNemours & Co., Wilmington, De. 19898  
 Elanco Prod. Co., Div. Eli Lilly, Indianapolis, Ind. 46206  
 F. L. Emmert Co., Inc., Cincinnati, Ohio 45214  
 Enkay Inc., Shawnee Mission, Kan. 66201  
 John W. Eshelman & Sons, Lancaster, Pa. 17604  
 Evans Milling Co., Indianapolis, Ind. 46206  
 John Ewing Co., LaSalle, Colo. 80645  
 Falstaff Brewing Corp., St. Louis, Mo. 63110  
 Farm Bureau Milling Co., Hammond, Ind. 46320  
 Farm Service Center, Inc., Beaver Dam, Ky. 42320  
 Farm Services, Inc., Glasgow, Ky. 42141  
 Farmers Elevator Co., Feed Div., Franklin, Ky. 42134  
 Farmers Feed Mill, Lexington, Ky. 40508  
 Farmers Friend Mineral Co., Napoleon, Ohio 43545  
 Farmers & Ginners Cotton Oil Co., Birmingham, Ala. 35201  
 Farmers Milling Co., Somerset, Ky. 42501  
 Farmers Supply of Ohio County, Inc., Beaver Dam, Ky. 42320  
 Farmers Supply Co., Springfield, Ky. 40069  
 Farmers Supply & Products Co., Monticello, Ky. 42633  
 Farmington Sweet Feed Mill, Farmington, Ky. 42040  
 Farmland Industries, Inc., Kansas City, Mo. 64116  
 Farnam Co., Inc., Phoenix, Ariz. 85001  
 J. H. Fedders, Inc., Covington, Ky. 41014  
 Fedders Feed Service, Owenton, Ky. 40359  
 Federal Foods, Inc., Thiensville, Wisc. 53092  
 Feed Service Corp., Crete, Nebr. 68333  
 Ferguson Bros. Feed Mill, Albany, Ky. 42402  
 Ferma-Gro Corp., Storm Lake, Ia. 50588

## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

Field Packing Co., Inc., Owensboro, Ky. 42301  
 Fischer Packing Co., Louisville, Ky. 40201  
 Fleischmann Distilling Corp., Owensboro, Ky. 42301  
 Fleming Laboratories, Inc., Charlotte, N.C. 28208  
 Flo-Pro, Inc., Horton, Kan. 66439  
 Folsomdale Milling Co., Boaz, Ky. 42027  
 Foremost Dairies, Inc., San Francisco, Calif. 94111  
 Fort Negley Mills, Nashville, Tenn. 37203  
 40/to/One Inc., Chattanooga, Tenn. 67404  
 Foster Canning, Inc., Napoleon, Ohio 43545  
 R. T. French Manufacturers, Rochester, N.Y. 14609  
 Fritz Pet Products, Mesquite, Tex. 75149  
 Frosty Morn Meats, Clarksville, Tenn. 37041  
 Henry Fruechtenicht Co., Inc., Louisville, Ky. 40202  
 Fruen Milling Co., Minneapolis, Minn. 55403  
 Fuhrer-Ford Mill Co., Inc., Mt. Vernon, Ind. 47620  
 Gallatin County Farm Supply, Warsaw, Ky. 41095  
 Gallia Roller Mills, Gallipolis, Ohio 45613  
 Gamaliel Feed & Farm Supply, Gamaliel, Ky. 42140  
 Garrard Mills, Lancaster, Ky. 40444  
 J. I. Gates Milling Co., Columbus, Ohio 43222  
 General Distributing Co., E. St. Louis, Ill. 62201  
 General Foods Corp., Gaines Div., White Plains, N.Y. 10605  
 General Mills, Inc., Minneapolis, Minn. 55440  
 General Packing Co., Waynesville, Ohio 45068  
 The General Store, Inc., Arlington Heights, Ill. 60005  
 Germantown Milling Co., Germantown, Ky. 41044  
 Glenmore Distilleries Co., Owensboro, Ky. 42301  
 Godbold, Inc., Lubbock, Tex. 79408  
 Gold Seal Products Co., Birmingham, Ala. 35203  
 Goldenrod Oil Meal Sales Co., Memphis, Tenn. 38101  
 Golden Gem Growers, Inc., Umatilla, Fla. 32784  
 Gooch Feed Mill Co., Lincoln, Nebr. 68501  
 Good-Life Chemicals, Inc., Effingham, Ill. 62401  
 Gordy Salt Co., Inc., New Iberia, La. 70560  
 W. R. Grace & Co., St. Louis, Mo. 63105  
 Grain Processing Corp., Muscatine, Ia. 52716  
 Grant County Farm Supply, Dry Ridge, Ky. 41035  
 Grayson Milling Co., Grayson, Ky. 41143  
 The Great A & P Tea Co., Inc., Brockport, N.Y. 14420  
 The Great A & P Tea Co., Terre Haute, Ind. 47808  
 Great Lakes Pet Food Co., Hammond, Ind. 43625  
 Green County Milling Co., Greensburg, Ky. 42743  
 Green Valley Farm Supply, Inc., Island, Ky. 42350  
 Griffin Industries, Butler, Ky. 41006  
 Gro-Green Feeds Co., Inc., Shelbyville, Ky. 40065  
 Gro-Kote, Inc., Santa Rosa, Calif. 95402  
 Guthrie Feed Mill, Guthrie, Ky. 42234  
 Earl Hale & Son, Jasper, Ohio 45642  
 Hardin County Milling Co., Elizabethtown, Ky. 42701  
 Hardin Feed Mill, Hardin, Ky. 42048  
 Hardy Brothers Mills, Walton, Ky. 41094  
 Hardy Salt Co., St. Louis, Mo. 63166  
 Harlan Farmers Supply Co., Harlan, Ky. 40831  
 Harpeth Mills, Nashville, Tenn. 37203  
 Harrodsburg Farm Service, Harrodsburg, Ky. 40330  
 Hartz Mountain Products, Harrison, N.J. 07029  
 Harvest Brand, Inc., Pittsburg, Kan. 66762  
 Haydon Mill & Grain Co., Springfield, Ky. 40069  
 Haynes Milling Co., Inc., Portland, Ind. 47371  
 Haynie Products, Inc. Baltimore, Md. 21230  
 Heaven Hill Distilleries, Bardstown, Ky. 40004  
 Dr. Heinz Co., Bloomingburg, Ohio 43106  
 Helena Cotton Oil Co., Inc., Helena, Ark. 72342  
 Henry County Feeders Supply, Eminence, Ky. 40019  
 Burch Hester Feed Store, Hustonville, Ky. 40437  
 Hi-Life Packing Co., Chicago, Ill. 60603  
 Hi-Vi Dog Food Co., Rush Springs, Okla. 73082  
 Hill's Div., Riviana Foods, Inc., Topeka, Kan. 66601  
 Frank Hinton & Son, Plummers Landing, Ky. 41089  
 Hobbs Feed & Supply, Fancy Farm, Ky. 42039  
 Hoffman-Taff, Inc., W. Alexandria, Ohio 45381  
 Honegger's & Co., Inc., Fairbury, Ill. 61739  
 Hopkinsville Milling Co., Hopkinsville, Ky. 42240  
 Hubinger Co., Keokuk, Ia. 52732  
 Hudsons Farm Service, Franklin, Ky. 42134  
 Huff & Puff Pet Foods, Inc., Reedville, Va. 22539



## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

The Hyland Co., Ashland, Ky. 41101  
 Iams Food Co., Dayton, Ohio 45417  
 Ingleheart Brothers., Evansville, Ind. 47707  
 Illinois Cereal Mills, Inc., Paris, Ill. 61944  
 Independent Mills, Inc., Kansas City, Mo. 64112  
 Indiana Farm Bureau Coop., Assn., Indianapolis, Ind. 46204  
 Industrial Molasses Corp., Leonia, N.J. 07604  
 International Mineral & Chemical Corp., Skokie, Ill. 60077  
 International Multifoods Corp., Minneapolis, Minn. 55415  
 International Salt Co., Inc., Clarks Summit, Pa. 18411  
 International Sugar Feed Co., Minneapolis, Minn. 55406  
 Jim Dandy Co., Birmingham, Ala. 35201  
 I. S. Joseph Co., Inc., Minneapolis, Minn. 55415  
 K & K Manufacturing, Inc., Rogers, Minn. 55374  
 E. Kahn's Sons Co., Cincinnati, Ohio 45224  
 Kal Kan Foods, Inc., Los Angeles, Calif. 90058  
 Kaler Milling Co., Symsonia, Ky. 42082  
 Kane Molasses Laboratories, Mt. Pulaski, Ill. 62548  
 Keco Milling Co., McKenzie, Tenn. 38201  
 Keller Farm Supply, Winchester, Ky. 40391  
 Keller Hay & Grain Co., Newport, Ky. 41072  
 Kennet Oil Mill, Inc., Kennett, Mo. 63857  
 Kentucky By-Products Corp., Louisville, Ky. 40211  
 Kentucky Chemical Industries, Cincinnati, Ohio 45232  
 Keynes Brothers, Logan, Ohio 43138  
 Kimbell-Durant Co., Fort Worth, Tex. 76101  
 Kingston Farmers Exchange, Inc., Kingston, Ohio 45646  
 Klarer of Kentucky, Inc., Louisville, Ky. 40201  
 Knauf & Tesch Co., Chilton, Wisc. 53014  
 H. C. Knoke & Co., Chicago, Ill. 60650  
 Ed G. Keohl, Inc., Reading, Ohio 45215  
 Kraft Foods, Chicago, Ill. 60612  
 Kroger Co., Cincinnati, Ohio 45202  
 La Crosse Milling Co., Cochrane, Wisc. 54622  
 Land O'Lakes, Inc., Minneapolis, Minn. 55413  
 Landmark, Inc., Columbus, Ohio 43216  
 Landon Co., Inc., Delavan, Wisc. 53115  
 Lark, Boone, Ia. 50036  
 Lauhoff Grain Co., Danville, Ill. 61832  
 Lewisburg Roller Mills, Lewisburg, Ky. 42256  
 Lexington Grocery Co., Lexington, Ky. 40507  
 Lilly Brothers Seed Co., Hopkinsville, Ky. 42240  
 Lipscomb Grain & Seed Co., Inc., Springfield, Mo. 65805  
 Lipton Pet Foods, Woburn, Mass. 01801  
 Litchfield Creamery, Co., Litchfield, Ill. 62056  
 Liv-A-Snaps, Inc., St. Paul, Minn. 55105  
 Livestock Industries, Inc., Park City, Ky. 42160  
 Loft-Dahlgren, Inc., Crookston, Minn. 56716  
 Loncala Phosphate Co., High Springs, Fla. 32643  
 Longlife Aquarium Products, Harrison, N.J. 07029  
 Loretto Feed & Fertilizer, Loretto, Ky. 40037  
 Louisa Supply Co., Inc., Louisa, Ky. 41230  
 Lowes Feed & Hatchery, Bowling Green, Ky. 42101  
 Lowes Pellets & Grain, Inc., Greensburg, Ind. 47240  
 M.F.A. Grain Division, Mexico, Mo. 65265  
 M & W Milling Co., Inc., Columbia, Ky. 42728  
 Manard Molasses Co., New Orleans, La. 70130  
 Marksberry Feed & Dairy, Philpot, Ky. 42366  
 Martin Sales Co., Toledo, Ohio 43606  
 Masonite Corp., Chicago, Ill. 60606  
 Mavar Shrimp & Oyster Co., Biloxi, Miss. 39530  
 Maverick Industries, Inc., Salida, Colo. 81201  
 Mayes-Helm & Coyle, Perryville, Ky. 40468  
 Mayfield Sweet Feed Mill, Mayfield, Ky. 42066  
 McCauley Brothers Seed Co., Versailles, Ky. 40383  
 J. A. McDonald & Sons, Rogersville, Tenn. 37857  
 McGahan & Co., Paintsville, Ky. 42140  
 McInnis Co., Pulaski, Tenn. 38478  
 McRedmond Brothers, Nashville, Tenn. 37210  
 Medley Distilling Co., Owensboro, Ky. 42301  
 Mennel Milling Co., Fostoria, Ohio 44830  
 Metzger Brothers, Paducah, Ky. 42201  
 Michigan Salt, St. Louis, Mich. 48880  
 Micro-Lite, Inc., Emporia, Kan. 66801  
 Mid-South Feeds, Inc., Nashville, Tenn. 57209  
 Mid-South Milling Co., Memphis, Tenn. 38106  
 Mid-State Mills, Inc., Newton, N.C. 28658  
 Mid-State Molasses Co., Franklin, Tenn. 37046  
 Midget Mills, Somerset, Ky. 42501  
 S. E. Mighton Co., Bedford, Ohio 44014  
 Milk Specialties, Inc., Dundee, Ill. 60118  
 Miles Laboratories, Granite City, Ill. 62040  
 Miller Milling Service, Bowling Green, Ky. 42101  
 Minter City Oil Mill, Minter City, Miss. 38944  
 Mississippi Chemical Corp., Yazoo City, Miss. 39194

## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

Mississippi Cottonseed Products, Co.,  
 Grenada, Miss. 38901  
 Mitsui & Co. (USA), Inc., San Francisco,  
 Calif. 94104  
 Mohawk Milling Co., Newport, Tenn. 38721  
 August Moldenhauer Mill, Menfro, Mo. 63765  
 Monarch Feed Mills, Inc.; Dexter, Mo.  
 63841  
 Monarch Milling Co., Mt. Sterling, Ky.  
 40353  
 Monroe Brothers Sweet Feed Mill, Cave City,  
 Ky. 42127  
 Monroe Sweet Feed Mill, Tompkinsville, Ky.  
 42167  
 Moorman Manufacturing Co., Quincy, Ill.  
 62302  
 Morgan Packing Co., Inc., Austin, Ind.  
 47102  
 Morgantown Feed Mill, Morgantown, Ky.  
 42261  
 Mor-Milk Co., Dixon, Ill. 61021  
 John Morrell & Co., Chicago, Ill. 60604  
 Morton Salt Co., Chicago, Ill. 60606  
 L. A. Mosher Co., Atlanta, Ga. 30301  
 Mother's Cookie Co., Louisville, Ky. 40216  
 Mowat, Wilson & Co., Detroit Mich. 48235  
 Mullican Feed Mill, Inc., Stanley, Ky.  
 42375  
 Munfordville Milling Co., Munfordville,  
 Ky. 42765  
 Murphy Grain & Milling Co., Owensboro, Ky.  
 42301  
 Mutual Products Co., Minneapolis, Minn.  
 55401  
 Nabisco, Inc., New York, N.Y. 10022  
 Nabisco, Inc., Toledo, Ohio 43603  
 Henry Nagel & Son, Cincinnati, Ohio 45214  
 Naremc, Inc., Springfield, Mo. 65805  
 Nashville Oil Mill Co., Nashville, Tenn.  
 37202  
 National Alfalfa Dehydrating & Milling  
 Co., Shawnee Mission, Kan. 66201  
 National Molasses Co., Willow Grove, Pa.  
 19090  
 National Oats Co., Corno Feeds Div., E. St.  
 Louis, Ill. 62205  
 National Oats Co., Cedar Rapids, Ia. 52402  
 National Packing Co., Greenville, Miss.  
 38701  
 National Starch & Chemical Corp.,  
 Indianapolis, Ind. 46221  
 New Century Co., Chicago, Ill. 60609  
 Nicholas County Feeders Supply, Carlisle,  
 Ky. 40311  
 Nipak, Inc., Dallas, Tex. 75221  
 Northern Ohio Sugar Co., Denver, Colo.  
 80217  
 Norwich Agr. Products, Inc., Norwich, N.Y.  
 13815  
 Charles Nunn & Sons Milling, Evansville,  
 Ind. 47712  
 Occidental Chemical Co., Houston, Tex. 77001  
 Ocean Labs, Inc., Irvin, Calif. 92640  
 Odon Milling Co., Inc., Odon, Ind. 47562  
 Ohio Blenders, Inc., Toledo, Ohio 43611  
 Ohio Grain Co., Milford Center, Ohio 43045  
 Old Stanley Distillery, Inc., Stanley, Ky.  
 42375  
 Agricultural Div. Olin, Little Rock, Ark.  
 72203  
 Orleans Packing Co., Chicago, Ill. 60603  
 Orrick Dehydrating Co., Inc., Orrick, Mo.  
 64077  
 Osceola Products Co., Osceola, Ark. 72370  
 Oshomac Inc., Marion, Ky. 42064  
 Owensboro Grain Co., Inc., Owensboro, Ky.  
 42301  
 Owensboro Milling Co., Owensboro, Ky. 42301  
 Pacific Molasses Co., San Francisco, Calif.  
 94105  
 Packmaster, Inc., Cincinnati, Ohio 45208  
 Pan American Mills, Bowling Green, Ky.  
 42101  
 Pard Div., Nat'l Pet Food Corp., Chicago,  
 Ill. 60638  
 Patoka Valley Feed Corp., Jasper, Ind. 47546  
 Paymaster Oil Mill Co., Phoenix, Ariz. 85002  
 Peavy County Flour Mills, Minneapolis, Minn.  
 55415  
 Peets Feeds, Inc., Council Bluff, Ia. 51501  
 Pendleton County Mills, Falmouth, Ky. 41040  
 Penick & Ford Limited, Inc., Cedar Rapids,  
 Ia. 52406  
 Stanley Penn & Sons, Lexington, Ky. 40508  
 Perk Foods Co., Div. Vets, Chicago, Ill.  
 60610  
 Chas. Pfizer & Co., Inc., New York, N.Y. 10017  
 Philips Roxane Div., Kansas City, Kan. 66106  
 Pierce & Williams, Hopkinsville, Ky. 42240  
 Pillsbury Co., Minneapolis, Minn. 55403  
 Pioneer Farm Service, Owensboro, Ky. 42301  
 Pioneer Food Industries, Inc., DeWitt, Ark.  
 72042  
 Plains Coop Oil Mill, Lubbock, Tex. 79408  
 Planters Manufacturing Co., Clarksdale, Miss.  
 38614  
 Planters Oil Mill, Tunica, Miss. 38676  
 Portland Fish Co., Portland, Ore. 97209  
 Princeton Mills, Princeton, Ky. 42445  
 Provico Feeds & Concentrates, Botkins, Ohio  
 45306  
 Provimi, Inc., Saddle Brook, N.J. 07662  
 Pup Corn Brands, Inc., New Britain, Conn.  
 06053  
 Quaker Oats Co., Chicago, Ill. 60654  
 Quincy Soybean Co., Quincy, Ill. 62301  
 Rachele Laboratories, Inc., Long Beach,  
 Calif. 90801  
 Ragland Mills, Inc., Neosho, Mo. 64850  
 C. B. Ragland Co., Nashville, Tenn. 37211  
 Ralston Purina Co., St. Louis, Mo. 63199  
 Reelfoot Alfalfa Mill, Tiptonville, Tenn.  
 38079

## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

Reelfoot Packing Co., Union City, Tenn. 38261  
 Riceland Foods, Stuttgart, Ark. 72160  
 Rico Liquids, Inc., Aliceville, Ala. 35442  
 Ringgold Milling Co., Clarksville, Tenn. 37042  
 Rio Grande Oil Mill, Inc., Harlingen, Tex. 78550  
 Ripps Feed Mill, Tollesboro, Ky. 41089  
 Rival Pet Foods, Chicago, Ill. 60632  
 Riverside Chemical Co., Memphis, Tenn. 38118  
 Riverside Industries, Marks, Miss. 38647  
 Riviana Foods, Inc., Abbyville, La. 70510  
 Robbins Brothers, Auburn, Ky. 42206  
 The Robertson Corp., Seymour, Ind. 47274  
 Allen Robertson & Co., Louisville, Ky. 40202  
 Robinson Milling Co., Somerset, Ky. 42501  
 Roche Chemical Division, Nutley, N.J. 07110  
 Rogers Feed Store, Corinth, Ky. 41010  
 Rome Oil Mill Div., Rome, Ga. 30162  
 G. P. Rose & Co., Inc., Nashville, Tenn. 37211  
 W. M. Rudy & Son, Bandana, Ky. 42022  
 Ruminant Nitrogen Prod., Co., Adrian, Mich. 49221  
 Russell Springs Milling Co., Russell Springs, Ky. 42642  
 Sandusky Mill, Harrodsburg, Ky. 40330  
 Charles H. Schenck & Sons, Vincennes, Ind. 47591  
 Schenley Distillers, Inc., Frankfort, Ky. 40601  
 Schenley Distillers, Inc., New York, N.Y. 10019  
 John Schlemmer, Harrison, Ohio 45030  
 Jos. Schiltz Brewing Co., Milwaukee, Wisc. 53201  
 Scioto Farm Bureau Co-op Assn., Lucasville, Ohio 45648  
 Scott County Milling Co., Sikeston, Mo. 63801  
 Sea-Born Corp. Div., Winter Haven, Fla. 33880  
 Sea-Born Corp., Chicago, Ill. 60634  
 Seaboard Allied Milling Corp., Kansas City, Mo. 64108  
 Joseph E. Seagram & Sons, Inc., New York, N.Y. 10022  
 Sebree Feed & Grain Co., Sebree, Ky. 42455  
 Seabrook Blanching Corp., Edenton, N.C. 27932  
 Security Mills, Inc., Knoxville, Tenn. 37901  
 Shafer Formula Co., Inc., Cleghorn, Ia. 51014  
 Siemer Milling Co., Teutopolis, Ill. 62467  
 Sikeston Cotton Oil Mill, Sikeston, Mo. 63801  
 Smith Sweet Feed Mill, Inc., Bowling Green, Ky. 42101  
 Smithfield Milling Co., Smithfield, Ky. 40068  
 Snyder Molasses Co., Chicago, Ill. 60626  
 Smiths Grove Feed Mill, Smith Grove, Ky. 42171  
 Southern Cotton Oil Co., New Orleans, La. 70124  
 Southern Cotton Oil Co., Memphis, Tenn. 38104  
 Southern Cotton Oil Co., Greenville, Miss. 38701  
 Southern Proteins, Inc., Morgan City, La. 70380  
 So. States Bardstown Coop., Bardstown, Ky. 40004  
 Southern States Campbellsville Coop., Campbellsville, Ky. 42718  
 Southern States Hardin Coop., Elizabethtown, Ky. 42701  
 Southern States Hopkinsville Coop., Hopkinsville, Ky. 42240  
 Southern States Lebanon Coop., Lebanon, Ky. 40033  
 Southern States Leitchfield Coop., Leitchfield, Ky. 42754  
 Southern States London Coop., London, Ky. 40741  
 Southern States Richmond Coop., Richmond, Ky. 40475  
 Southern States Somerset Coop., Somerset, Ky. 42501  
 Southern States Coop., Baltimore, Md. 21203  
 Southern States Coop., Richmond, Va. 23213  
 Southern Rendering Co., Shelbyville, Tenn. 37160  
 Woodford Spears & Sons, Paris, Ky. 40361  
 Specialty Feeds Inc., South Haven, Miss. 38671  
 Spencer Farm Services, Taylorsville, Ky. 40071  
 Spencer Kellogg, Buffalo, N.Y. 14240  
 Sphar & Co., Mt. Carmel, Ill. 62863  
 Square Deal Fortification Co., Kouts, Ind. 46347  
 A. E. Staley Manufacturing, Decatur, Ill. 62525  
 Standard Brands, Inc., New York, N.Y. 10022  
 Standard Products, Inc., Kilmarnock, Va. 22482  
 Stanford Creamery, Stanford, Ky. 40484  
 Star-Kist Foods, Inc., Terminal Island, Calif. 90730  
 Stewarts Feed Mill, Flat Lick, Ky. 40935  
 F. W. Stock & Sons, Inc., Hillsdale, Mich. 49242  
 Strid Grain Co., Green Bay, Wisc. 54306  
 Strongheart Products Co., Kansas City, Kan. 66110

## COMPANIES HAVING FEED REGISTERED AS OF 31 DECEMBER 1972

Sturgis Milling Co., Sturgis, Ky. 42459  
 Summer Shade Roller Mills, Summer Shade, Ky. 42166  
 Sunshine Feed Mills, Inc., Red Bay, Ala. 35582  
 Sunshine Mills, Inc., Tupelo, Miss. 38801  
 Sunshine Molasses Co., Somerset, Ky. 42501  
 Super-Mol Div., Hughes Feed & Grain, Tampa, Fla. 33619  
 Supreme Mills, Glasgow, Ky. 42141  
 D. B. Sutherland & Sons, Bloomfield, Ky. 40008  
 Swift Edible Oil Co., Champaign, Ill. 61820  
 Swift & Co., Animal Protein Plant, Evansville, Ind. 47710  
 T & H Feed Service, Lebanon, Ky. 40033  
 Taylor County Feed Co., Campbellsville, Ky. 42718  
 Teater & Cassity, Nicholasville, Ky. 40356  
 Tennessee Farmers Cooperative, LaVergne, Tenn. 37086  
 Tennessee Valley Cotton Oil Mill, Decatur, Ala. 35601  
 Thompson-Hayward Chemical Co., Waukegan, Ill. 60085  
 Thompson & Nash, Inc., Shelbyville, Ky. 40065  
 Thorobred Co., Inc., Waynesville, Ohio 45068  
 Thorofare Markets, Inc., Pittsburg, Pa. 15230  
 Thurmonds Coal & Feed Co., Murray, Ky. 42071  
 Mr. Toymaker Enterprises, Atlanta, Ga. 30318  
 Tractor Supply Co., Madison, Wisc. 53701  
 Tri-Associates, Inc., Minneapolis, Minn. 55403  
 Tri-County Farm Supply, Corbin, Ky. 40701  
 Triple F Feeds, Des Moines, Ia. 50322  
 Triple T Grain & Fertilizer, Vincennes, Ind. 47591  
 Ultra-Life Laboratories, E. St. Louis, Ill. 62201  
 Union County Grain Co., Sturgis, Ky. 42459  
 United States Sugar Corp., Clewiston, Fla. 33440  
 Vets Div., Perk Foods Co., Chicago, Ill. 60610  
 Veterinary & Poultry Supply, Goshen, Ind. 46526  
 Vigortone Products Co., Cedar Rapids, Ia. 52406  
 Vistron Corp., Lima, Ohio 45802  
 Vita Kelp Div., Minneapolis, Minn. 55406  
 Vit-A-Way, Inc., Fort Worth, Tex. 76106  
 Vita Plus Corp., Madison, Wisc. 53701  
 Vitaminal Products Co., Peoria, Ill. 61603  
 V.M.S., Inc., Montgomery, Ala. 36101  
 Vylactos Laboratories, Des Moines, Ia. 50313  
 Wagner-Indoe, Inc., North Lawrence, Ohio 44666  
 Warners Farm Supply, Somerset, Ky. 42501  
 Watkins Products Co., Inc., Memphis, Tenn. 38102  
 Webster County Grain Co., Clay, Ky. 42404  
 Weisenberger Mills, Midway, Ky. 40347  
 Ralph Wells & Co., Monmouth, Ill. 61462  
 Westgate-California Foods, Inc., San Diego, Calif. 92112  
 West Tennessee Soya Mill, Inc., Tiptonville, Tenn. 38257  
 Western Alfalfa Corp., Kansas City, Mo. 64141  
 Martha White Mills of W. Va., Huntington, W. Va. 25706  
 Whitewater Flour Mills, Whitewater, Kan. 67154  
 Whitmer Co., Bowling Green, Ky. 42101  
 Whitmoyer Laboratories, Inc., Myerstown, Pa. 17067  
 Whiz Pet Food Co., Seattle, Wash. 98114  
 George Wiedemann Brewing Co., Newport, Ky. 41071  
 Willchemco, Inc., Tulsa, Okla. 74101  
 R. L. Wiles Feed Mills, Inc., Nashville, Tenn. 37210  
 Wilson Certified Food Inc., Oklahoma City, Okla. 73105  
 Wilson Enterprises, Inc., Colonia Heights, Va. 23834  
 Winn Milling Co., Greensburg, Ky. 42743  
 Woodford Feed Co., Versailles, Ky. 40383  
 Yazoo Valley Oil Mill, Greenwood, Miss. 38930  
 John F. Young Co., Cincinnati, Ohio 45227  
 Y-V Minerals, Inc., Greenwood, Ind. 46142

The use of non-protein-nitrogen sources to partially replace natural protein sources in feeds for ruminants increased substantially during late 1972. A number of manufacturers increased the percent of urea in certain of their formulations while some registered new urea-containing feeds; moreover, the manufacturer of gelatinized starch-urea product was begun at four locations in the state. Also, the tonnage of liquid protein supplements sold increased dramatically with a number of manufacturers and/or distributors entering the field for the first time.

The nature of liquid feeds is such that rather wide differences in formulations are possible; indeed, our analyses showed that such products varied considerably between, and within, manufacturers. The rapidly increasing marketing of liquid feeds, particularly by those firms with little prior experience, has led to instances of erratic quality control, and even in the case of the established firms the very volume of product has caused problems in blending products of consistent composition.

At the farm level, abrupt initial use of N.P.N. sources (largely urea) has caused a number of problems as has the sudden increase in levels of N.P.N. used in a particular ration. Although the safety and efficiency of N.P.N. for ruminant feeds have long been satisfactorily proven, the proper use of N.P.N. is of paramount importance. We have analyzed a number of samples of both dry and liquid feeds said to have caused feeding problems. Generally, we found the offending products were either substantially higher in N.P.N. than guaranteed or they were incorrectly used at the farm.

The following tabulation illustrates composition of liquid protein supplements on an as-found basis, not as guaranteed. Samples deviating abnormally from guarantee were excluded from the averages shown in order to present a more nearly typical average.

Manufacturer or Distributor*	Total Protein	Urea as Protein	Ammonical Nitrogen as Protein	Moisture	Invert Sugar	pH	Calcium	Phosphorus
A	35.1	18.2	8.5	28.1	36.4	4.1	0.70	0.46
B	31.8	18.1	9.1	33.3	38.4	5.6	0.64	0.81
C	34.6	20.6	9.1	34.4	32.2	4.6	0.52	1.27
D	31.9	20.0	8.6	36.1	34.9	4.9	0.58	1.07
E	35.8	21.2	10.7	32.6	35.0	5.6	0.54	1.06
F	32.9	17.6	11.9	37.7	29.0	5.1	0.60	0.77
G	33.6	21.7	8.5	35.2	35.0	5.5	0.78	0.87
H	34.7	23.2	7.8	36.0	33.5	5.8	0.51	1.08
	33.8	20.1	9.3	34.2	34.3	5.2	0.61	.92

\* All figures except pH are percent.

The medicated label is to be used for all medicated feeds which contain drugs for specific purposes, such as: prevention of diseases, treatment of diseases, aid in control of diseases, hormone action, worming, etc., as well as for certain non-antibiotic drugs added for growth stimulation and feed efficiency purposes (i.e., organic arsenicals). It is also to be used for feeds containing antibiotics at low levels for growth promotion and improved feed efficiency. The following features should be noted:

1. The word "Medicated" shall appear directly following and below the product name in type-size no smaller than one-half the type-size of the product name.
2. The purpose statement shall appear below the term "medicated". It must be precise and simple.
3. Active drug ingredients (list of common names - no trade names) and percentage present except low level antibiotics for growth promotion and feed efficiency in feeds which are to be fed continuously as a sole ration for each drug. All products which contain less than 2,000 grams (total) of antibiotics per ton are to be expressed in grams per ton, and all products which contain 2,000 grams or more are to be expressed in grams per pound. The term "milligrams per pound" may be used in lieu of percentage declarations for drugs and antibiotics on the label only in those cases where a dosage is given as "milligrams per day" in the feeding directions. Note that hormone percentages need not be stated in the product name but may appear only as a regular active drug ingredient guarantee. Labels for feeds containing growth promotion and/or feed efficiency levels of antibiotics, which are to be fed continuously as a sole ration, are not required at the present time to make quantitative guarantees, except as specifically indicated in certain instances in the Federal Food Additive Regulations for certain antibiotics, such as Tylosin, Oleandomycin, and Nystatin, wherein quantitative guarantees are required regardless of the level or purpose of the antibiotic.

LABEL FOR ALL MEDICATED FEEDS

100 LBS. NET WEIGHT

**BLUE BIRD  
CHICK STARTER 3218****MEDICATED**

To aid in preventing outbreaks of coccidiosis. Follow feeding directions and warning statement on back of this label.

## Active Drug Ingredient(s)

Nicarbazin ..... 0.0125%

## Guaranteed Analysis

Crude Protein, not less than ..... 20.0%  
Crude Fat, not less than ..... 4.0%  
Crude Fiber, not more than ..... 3.0%

## INGREDIENTS

Each ingredient must be specifically named (unless stated as such in the guaranteed analysis listing) in accordance with the names and definitions adopted by the AAFCO.

Manufactured by

**BLUE BIRD FEED MILLS**

Robin, Indiana



COMMERCIAL FEEDS IN KENTUCKY, 1972

TABLE 1. REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1972.

17

For sample violations see Table 2.

NAME AND ADDRESS OF MANUFACTURER	SAMPLES ANALYZED	SAMPLES IN VIOLATION	PRODUCTS REGISTERED
Ag Services, Inc., Bowling Green, Ky. 42101	1	0	2
Allen Products Co., Inc., Allentown, Pa. 18104	4	0	14
Allied Chemical Corp., Omaha, Nebr. 68124	1	0	12
Allied Chemical Corp., Houston, Tex. 76101	3	3	10
Allied Chemical Corp., Hopewell, Va. 23860	1	1	7
Allied Foods, Inc., Atlanta, Ga. 30318	11	0	21
Allied Mills, Inc., Libertyville, Ill. 60048	115	5	319
American Kennel Foods, Russellville, Ky. 42276	1	0	1
Amory Cotton Oil Co., Inc., Amory, Miss. 38821	2	0	1
Anderson Farm Service, Lawrenceburg, Ky. 40342	1	0	2
Anderson & Spilman, Danville, Ky. 40422	8	1	15
Anglo Sweet Feed Mill, Inc., Owensboro, Ky. 42301	17	0	15
Aquarium Supply Co., Div. Sternco, Harrison, N.J. 07029	1	0	31
Armour-Dial, Inc., Chicago, Ill. 60601	2	0	3
Ashland Milling Co., Inc., Ashland, Ky. 41101	4	1	18
Astor Products, Inc., Jacksonville, Fla. 32203	4	0	6
Aubrey Feed Mills, Inc., Louisville, Ky. 40204	108	3	104
Auburn Mills, Inc., Auburn, Ky. 42206	3	0	8
Bagdad Roller Mills, Bagdad, Ky. 40003	19	4	52
Barton Brands, Ltd., Chicago, Ill. 60604	2	0	1
Bay State Milling Co., Leavenworth, Kan. 66048	1	0	2
Bay State Milling Co., Winona, Minn. 55987	1	0	3
Bi-County Farm Bureau Co-op, Florence, Ky. 41042	4	0	11
Bisset Farm Supply, Harrodsburg, Ky. 40330	3	0	2
Blue Barn Dog Food Co., New Albany, Ind. 47150	2	0	3
Boones Feed Store, Stanford, Ky. 40484	3	1	2
Bow Wow Co., Inc., Rolla, Mo. 65401	2	0	4
Bremco Mills, New Bremen, Ohio 45869	5	2	2
Browder Milling Co., Inc., Fulton, Ky. 42041	3	0	1
Bryant & Crume Milling Co., Caneyville, Ky. 42721	4	0	26
Buckeye Cellulose Corp., Cincinnati, Ohio 45201	4	0	1
Buckeye Cellulose Corp., Memphis, Tenn. 38108	1	0	4
Bush Brothers & Co., Clinton, Tenn. 37716	8	0	11
A. C. Butts & Sons, Fulton, Ky. 42041	2	0	4
C & M Marketing Co., Detroit, Mich. 48228	6	1	8
Cadiz Milling Co., Cadiz, Ky. 42211	14	0	21
Campbellsville Milling Co., Campbellsville, Ky. 42718	3	0	1
Cargill Nutrena Feed Div., Minneapolis, Minn. 55402	30	5	95
Carnation Co., Los Angeles, Calif. 90036	8	1	41
Catz American Co., Inc., New York, N.Y. 10014	2	0	1
Central Soya Co., Inc., Fort Wayne, Ind. 46802	117	3	152
Champion Valley Farms, Camden, N.J. 08101	5	0	12
Community Milling Co., Irvington, Ky. 40146	2	0	9
Community Feed Mill, Belton, Ky. 42324	2	0	5
Consolidated Mills, Inc., Blissfield, Mich. 49228	2	0	3
Craft Feed & Grain, Catlettsburg, Ky. 41129	2	0	4
Crafton-Duncan, Inc., Henderson, Ky. 42420	1	0	10
Crescent Roller Mills, Taylorsville, Ky. 40071	9	1	5
Cudahy Co., Harrodsburg, Ky. 40330	1	0	1
Cumberland Milling Co., Clarksville, Tenn. 37041	1	1	2
Custom Feed Mills, Morganfield, Ky. 42437	17	4	25
Dearborn Mills, Aurora, Ind. 47001 47001	1	0	109
Dixie Mills Co., E. St. Louis, Ill. 62202	8	1	42
Dixie Portland Flour Mills, Memphis, Tenn. 38101	1	0	3

TABLE 1. REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1972.

For sample violations see Table 2.

NAME AND ADDRESS OF MANUFACTURER	SAMPLES ANALYZED	SAMPLES IN VIOLATION	PRODUCTS REGISTERED
Doane Products Co., Joplin, Mo. 64801	1	0	7
Duncan-McFarland Farm Service, Lawrenceburg, Ky. 40342	4	1	5
F. L. Emmert Co., Inc., Cincinnati, Ohio 45214	6	1	5
John W. Eshelman & Sons, Lancaster, Pa. 17604	6	0	36
Farm Service Center, Inc., Beaver Dam, Ky. 42320	4	0	2
Farm Services, Inc., Glasgow, Ky. 42141	3	0	4
Farmers Friend Mineral Co., Napoleon, Ohio 43545	1	0	10
Farmers & Ginners Cotton Oil Mill, Birmingham, Ala. 35202	1	0	2
Farmers Milling Co., Somerset, Ky. 42501	1	0	10
Farmers Supply, Beaver Dam, Ky. 42320	2	0	1
Farmers Supply Co., Springfield, Ky. 40069	4	0	2
Farmers Supply & Produce Co., Monticello, Ky. 42633	4	0	3
Farmland Industries, Inc., Kansas City, Mo. 64116	4	0	37
Fischer Packing Co., Louisville, Ky. 40201	7	3	2
Foster Canning, Inc., Napoleon, Ohio 43545	1	0	6
Frosty Morn Meats, Clarksville, Tenn. 37041	2	0	1
Henry Fruechtenicht Co., Inc., Louisville, Ky. 40202	88	4	102
J. I. Gates Milling Co., Columbus, Ohio 43223	6	1	21
General Foods Corp., White Plains, N.Y. 10605	2	0	16
General Mills, Inc., Minneapolis, Minn. 55440	1	0	7
General Packing Co., Waynesville, Ohio 45068	2	0	2
Glenmore Distilleries Co., Owensboro, Ky. 42301	1	0	1
Goldenrod Oil Meal Sales Co., Memphis, Tenn. 38101	2	0	1
Gooch Feed Mill Co., Lincoln, Nebr. 68501	2	0	11
W. R. Grace & Co., St. Louis, Mo. 63105	1	0	12
The Great A & P Tea Co., Brockport, N.Y. 14420	7	0	15
Green County Milling Co., Greensburg, Ky. 42743	1	1	3
Gro-Green Feeds Co., Inc., Shelbyville, Ky. 40065	7	3	21
Hardin Feed Mill, Hardin, Ky. 42048	1	0	4
Harvest Brand, Inc., Pittsburg, Kan. 66762	28	3	46
Haydon Mill & Grain Co., Springfield, Ky. 40069	3	0	10
Heaven Hill Distilleries, Bardstown, Ky. 40004	8	0	1
Dr. Heinze Co., Bloomingburg, Ohio 43106	3	0	73
Henry County Feeders Supply, Eminence, Ky. 40019	1	0	1
Burch Hester Feed Store, Hustonville, Ky. 40437	2	0	3
Honeggers & Co., Inc., Fairbury, Ill. 60739	6	0	105
The Hyland Co., Ashland, Ky. 41101	6	0	14
Ingleheart Brothers, Evansville, Ind. 47707	4	0	2
Indiana Farm Bureau Coop Assn., Indianapolis, Ind. 46204	1	0	22
Int'l Multifoods, Minneapolis, Minn. 55415	31	3	146
Jim Dandy Co., Birmingham, Ala. 35201	1	0	12
Kal Kan Foods, Inc., Vernon, Calif. 90058	3	0	32
Kaler Milling Co., Symsonia, Ky. 42082	5	0	4
Keco Milling Co., McKenzie, Tenn. 38201	3	0	39
Kentucky By-Products Corp., Louisville, Ky. 40211	16	4	5
Keynes Brothers, Logan, Ohio 43138	4	0	3
Kroger Co., Cincinnati, Ohio 45202	4	0	10

COMMERCIAL FEEDS IN KENTUCKY, 1972

TABLE 1. REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1972.

For sample violations see Table 2.

NAME AND ADDRESS OF MANUFACTURER	SAMPLES ANALYZED	SAMPLES IN VIOLATION	PRODUCTS REGISTERED
Landmark, Inc., Columbus, Ohio 43216	3	0	1
Landon Co., Inc., Delavan, Wisc. 53115	1	0	4
Lauhoff Grain Co., Danville, Ill. 61832	2	0	8
Lewisburg Roller Mills, Lewisburg, Ky. 42256	3	0	14
Lilly Brothers Seed Co., Hopkinsville, Ky. 42240	3	0	3
Lipton Pet Foods, Inc., Woburn, Mass. 01801	2	0	19
Livestock Industries, Inc., Park City, Ky. 42160	29	2	42
Lowes Feed & Hatchery, Bowling Green, Ky. 42101	8	0	28
Lowes Pellets & Grain, Inc., Greensburg, Ind. 47240	18	4	62
M & W Milling Co., Inc., Columbia, Ky. 42728	4	0	4
Mavar Shrimp & Oyster Co., Biloxi, Miss. 39530	5	0	1
Mayfield Sweet Feed Mill, Mayfield, Ky. 42066	13	0	43
McCauley Brothers Seed Co., Inc., Versailles, Ky. 40383	4	0	31
McGahan & Co., Paintsville, Ky. 41240	1	0	7
McRedmond Brothers, Nashville, Tenn. 37210	1	0	1
Mid-South Feeds, Inc., Nashville, Tenn. 37209	1	0	26
Midget Mills, Somerset, Ky. 42501	1	0	2
Milk Specialties, Inc., Dundee, Ill. 60118	1	0	5
Monroe Brothers Sweet Feed Mill, Cave City, Ky. 42127	1	0	1
Moorman Manufacturing Co., Quincy, Ill. 62301	25	0	125
Morgan Packing Co., Inc., Austin, Ind. 47102	1	0	1
Mullican Feed Mill, Inc., Stanley, Ky. 42375	2	0	4
Henry Nagel & Son, Cincinnati, Ohio 45214	1	0	4
Nashville Oil Mill Corp., Nashville, Tenn. 37202	9	2	1
National Alfalfa Dehydrating & Milling Co., Shawnee Mission, Kan. 66201	1	0	1
Nabisco, Inc., Toledo, Ohio 43603	1	0	2
National Molasses Co., Willow Grove, Pa. 19090	6	3	5
Corno Feeds, Niv. Nat'l Oats, E. St. Louis, Ill. 62205	4	0	16
Charles Nunn & Sons Milling, Evansville, Ind. 47712	5	0	33
Ohio Grain Co., Milford Center, Ohio 43045	8	0	1
Orleans Packing Co., Chicago, Ill. 60603	3	0	6
Owensboro Grain Co., Owensboro, Ky. 42301	34	3	4
Owensboro Milling Co., Owensboro, Ky. 42301	26	4	89
Pan American Mills, Bowling Green, Ky. 42101	27	9	52
Oshomac, Inc., Marion, Ky. 42064	1	0	3
Perk Foods Co., Div. Vets, Chicago, Ill. 60610	5	0	6
Pierce & Williams, Hopkinsville, Ky. 42240	5	0	7
Pioneer Farm Service, Owensboro, Ky. 42301	1	0	1
Planters Oil Mill, Tunica, Miss. 38676	1	0	1
Princeton Mills, Princeton, Ky. 42445	4	0	16
Quaker Oats Co., Chicago, Ill. 60654	10	3	32
Quincy Soybean Co., Quincy, Ill. 62301	2	0	3
C. B. Ragland Co., Nashville, Tenn. 37211	1	0	1
Ralston Purina Co., St. Louis, Mo. 63199	394	26	347
Ringgold Milling Co., Clarksville, Tenn. 37042	2	0	1
Rival Pet Foods, Bridgview, Ill. 60455	3	0	18
Riverside Industries, Inc., Marks, Miss. 38646	6	2	2
Robertson Corp., Seymour, Ind. 47274	3	0	33
Allen Robertson & Co., Louisville, Ky. 40202	2	0	49
Robinson Milling Co., Somerset, Ky. 42501	14	3	30
Rogers Feed Store, Corinth, Ky. 41010	1	0	4
Russell Springs Milling Co., Russell Springs, Ky. 42642	2	0	1

TABLE 1. REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1972 .

For sample violations see Table 2.

NAME AND ADDRESS OF MANUFACTURER	SAMPLES ANALYZED	SAMPLES IN VIOLATION	PRODUCTS REGISTERED
Sandusky Mill, Harrodsburg, Ky. 40330	5	1	9
Charles H. Schenck & Sons, Vincennes, Ind. 47591	2	0	1
Scott County Milling Co., Sikeston, Mo. 63801	15	0	56
Sebree Feed & Grain Co., Sebree, Ky. 42455	6	1	11
Siemer Milling Co., Teutopolis, Ill. 62467	1	0	4
Southern Cotton Oil Co., Inc., New Orleans, La. 60124	1	0	1
Southern Cotton Oil Co., Inc., Memphis, Tenn. 38104	5	0	1
Southern States Hopkinsville Coop, Hopkinsville, Ky. 42240	6	0	3
Southern States Lebanon Coop, Lebanon, Ky. 40033	1	0	2
Southern States Somerset Coop, Somerset, Ky. 42501	1	0	2
Southern States Coop, Baltimore, Md. 21203	159	1	183
Specialty Feeds, Inc., South Haven, Miss. 38671	1	0	1
Spencer Kellogg, Buffalo, N.Y. 14240	1	0	1
A. E. Staley Manufacturing, Decatur, Ill. 62525	9	0	19
Star-Kist Foods, Inc., Terminal Island, Calif. 90730	4	2	20
Strongheart Packing Co., Kansas City, Kan. 66110	4	0	5
Sturgis Milling Co., Sturgis, Ky. 42459	9	0	19
Sunshine Feed Mill, Inc., Red Bay, Ala. 35582	1	0	4
Super-Mol, Hughes Feed & Grain, Tampa, Fla. 33619	11	0	15
Supreme Mills, Glasgow, Ky. 42141	44	6	40
D. B. Sutherland & Sons, Bloomfield, Ky. 40008	5	0	13
Swift & Company Animal Protein Plant, Evansville, Ind. 47710	1	0	3
T & H Feed Service, Lebanon, Ky. 40033	3	0	1
Taylor County Feed Co., Campbellsville, Ky. 42718	3	0	3
Tennessee Valley Cotton Oil Mill, Decatur, Ala. 35601	1	0	1
Thorobred Co., Inc., Waynesville, Ohio. 45068	4	2	12
Triple F Feeds, Des Moines, Ia. 50322	3	1	90
Vylactos Laboratories, Inc., Des Moines, Ia. 50313	22	3	17
Webster County Grain Co., Clay, Ky. 42404	4	0	2
Weisenbergers Mills, Midway, Ky. 40347	3	0	6
Wells Div., Nat'l Pet Foods Corp., Monmouth, Ill. 61462	1	1	10
Westgate-California Foods Inc., San Diego, Calif. 92112	1	0	1
West Tennessee Soya Mill, Inc., Tiptonville, Tenn. 38257	7	0	1
Whiz Pet Food Co., Seattle, Wash. 98119	2	0	2
George Wiedemann Brewing Co., Newport, Ky. 41071	1	1	1
R. L. Wiles Feed Mills, Inc., Nashville, Tenn. 37210	8	2	19
Winn Milling Co., Greensburg, Ky. 42743	3	0	5
TOTAL	1954	144	3929

COMMERCIAL FEEDS IN KENTUCKY, 1972

TABLE 2 SAMPLES IN VIOLATION\*

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Allied Chemical Corp., Houston, Tex. 76101 Compensator Supro 100 Liquid Concentrate Compensator Supro 120 LK Liquid Feed Concentrate Compensator PR-Z	Total Protein 100.0% Total Protein 50.0% Total Protein 32.0% N.P.N. 30.0% Total Protein 32.0% N.P.N. 30.0%	89.6% 47.8% 24.5% 11.9% 26.6% 23.7%
Allied Mills, Inc., Libertyville, Ill. 60048 Wayne Pro Sweet Balancer	Total Protein 32.0% N.P.N. 12.5% N.P.N. 19.0%	38.9% 14.7% 21.9%
Wayne Dariblend Wayne Tail Curler Jr., Medicated Wayne Hog Balancer Wayne Tail Curler Mixer, Medicated	Penicillin 50 gm/T Total Protein 35.0% Sulfamethazine .037%	21.0 gm/T 41.6% .020%
Anderson & Spilman, Danville, Ky. 40422 Dependable Dairy Feed	N.P.N. 5.3%	7.7%
Ashland Milling Co., Ashland, Ky. 41101 Ideal Laying Mash	Total Protein 16.0%	22.2%
Aubrey Feed Mills, Inc., Louisville, Ky. 40204 Red A Hog Supplement Pellets Red A Hog Supplement Pellets Red A Hog Supplement Meal	Total Protein 40.0% Total Protein 40.0% Total Protein 40.0%	37.9% 36.7% 37.9%
Bagdad Roller Mills, Bagdad, Ky. 40004 Rocket Age Ruminant Concentrate Rocket Age Shoat Grower Medicated Rocket Age Hog Wormer Pellets Medicated Rocket Age Hog Concentrate Pellets	Total Protein 45.0% Arsanilic Acid .01% Piperazine .212% Calcium 4.0%	42.2% .0162% 0.0% 6.2%
Boones Feed Store, Stanford, Ky. 40484 Special Dairy Feed	Fiber 5.2%	7.4%
Bremco Mills, New Bremen, Ohio 45869 Medogreen Alfalfa Pellets Medogreen Alfalfa Pellets	Fiber 27.0% Fiber 27.0%	30.0% 32.0%
C & M Marketing Co., Detroit, Mich. 48228 Jester Gourmet Chunks Chicken & Gravy	Fat 6.0%	11.6%
Cargill Nutrena Feed Div., Minneapolis, Minn. 55402 Nutrena Beefcake-37 Block Medicated Nutrena Sweetflow Dairy Concentrate Nutrena Sweetflow Dairy Concentrate Nutrena Sweetflow Dairy Concentrate Nutrena Sow Concentrate	N.P.N. 18.0% Total Protein 41.0% Total Protein 41.0% Total Protein 41.0% Total Protein 38.0%	20.7% 33.4% 38.5% 35.9% 35.3%
Carnation Company, Los Angeles, Calif. 90036 Friskies Buffet Dixie Dinner for Cats	Fat 4.0%	11.7%
Central Soya Co., Fort Wayne, Ind. 46802 Master Mix Pig Master Concentrate 862-99C Med Master Mix Milk Master 675 Master Mix Pig-ets 809-38G Medicated	Penicillin 15.0 gm/T Total Protein 50.0% Sulfamethazine .011%	23.3 gm/T 47.6% .005%
Crescent Roller Mills, Taylorsville, Ky. 40071 Crescent Dairy Feed	Total Protein 16.0%	13.9%
Cumberland Milling Co., Clarksville, Tenn. 37041 Custom Mixed	Total Protein 16.5%	14.1%
Custom Feed Mills, Morganfield, Ky. 42437 CM Beef Supplement CM Beef Supplement CM Beef Supplement CM Pig Creep Mixing Concentrate ASP-250 Med	Total Protein 75.0% Total Protein 75.0% Total Protein 75.0% Total Protein 38.0%	67.9% 71.2% 72.3% 33.1%

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Dixie Mills Co., East St. Louis, Ill. 62202 Dairy Mixer Medicated	Total Protein 42.0%	34.7%
Duncan-McFarland Farm Service, Lawrenceburg, Ky. 40342 Dairy Feed	Total Protein 16.0%	13.7%
F. L. Emmert Co., Cincinnati, Ohio 45214 Molasso-Malt	Total Protein 24.0%	17.8%
Fischer Packing Co., Louisville, Ky. 40201 Meat Meal Tankage Meat Meal Tankage Meat Meal Tankage	Total Protein 60.0% Total Protein 60.0% Total Protein 60.0%	67.5% 68.5% 65.9%
Henry Fruechtenicht Co., Louisville, Ky. 40202 Producer Cattle Concentrate Producer Special Dairy Feed Producer Pig Starter Medicated Producer Fas Gro Super Milk Replacer Medicated	Total Protein 50.0% N.P.N. 7.9% Chlortetracycline 100.0 gm/T Fat 10.0%	43.8% 11.9% 42.6 gm/T 6.8%
J. I. Gates Milling Co., Columbus, Ohio 43223 Well Maid Sweet Feed	Total Protein 24.0%	20.2%
Green County Milling Co., Greensburg, Ky. 42743 Greenco Calf Ration	Total Protein 16.0%	11.9%
Gro-Green Feeds Co., Shelbyville, Ky. 40065 Super Q Dairy Supplement Super Q Dairy Supplement Super Q Dairy Supplement	Total Protein 45.0% Total Protein 45.0% Total Protein 45.0%	32.7% 39.3% 36.9%
Harvest Brand, Inc., Pittsburg, Kan. 66762 Sweet Georgia Brown Dry Molasses Kandy Kid Dri-Lasses Kandy Kid Dri-Lasses	Fiber 16.0% Fiber 19.0% Fiber 16.0%	18.3% 22.8% 20.2%
Int'l Multifoods, Minneapolis, Minn. 55415 Supersweet Beef Starter One-7 2606 Med Supersweet Liqua-Pro Supersweet Milkmaaker H	Total Protein 13.0% Total Protein 32.0% N.P.N. 31.0% Total Protein 34.0% N.P.N. 12.5%	31.1% 40.8% 35.8% 46.0% 27.4%
Kentucky By-Products Corp., Louisville, Ky. 40211 Dri-Molass Dri-Molass Dri-Molass Blue Ribbon Meat & Bone Meal	Fiber 12.0% Fiber 12.0% Fiber 12.0% Fat 10.0%	14.1% 14.1% 17.5% 17.2%
Livestock Industries, Park City, Ky. 42160 Life Pig & Hog Forty Medicated Life Calf Supplement Medicated	Total Protein 40.0% Total Protein 30.0%	37.5% 26.6%
Lowes Pellet & Grain Co., Greensburg, Ind. 47240 Lowes Race & Win Horse Feed 632 Lowes Dairy Mixing Concentrate Lowes Dairy Mixing Concentrate Lowes Calf Supplement Medicated	Total Protein 11.0% Total Protein 45.0% Total Protein 45.0% Fiber 7.0%	18.0% 38.2% 39.6% 9.2%
Nashville Oil Mill Corp., Nashville, Tenn. 37202 Solvent Extracted Cottonseed Meal Solvent Extracted Cottonseed Meal	Total Protein 41.0% Total Protein 41.0%	38.4% 38.5%
National Molasses Co., Willow Grove, Pa. 19090 Mol Mix Liquid Feed Supplement Mol Mix Liquid Feed Supplement Mol Mix 32-050	Total Protein 32.0% Total Protein 32.0% Total Protein 32.0%	28.9% 37.6% 38.8%

COMMERCIAL FEEDS IN KENTUCKY, 1972

TABLE 2 SAMPLES IN VIOLATION.

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Owensboro Grain Co., Owensboro, Ky. 42301		
Solvent Extracted Soybean Meal	Fiber 7.0%	11.0%
Solvent Extracted Soybean Meal	Fiber 7.0%	10.4%
Solvent Extracted Soybean Meal	Fiber 7.0%	9.1%
Owensboro Milling Co., Owensboro, Ky. 42301		
Trutest Beef Cattle Supplement	Total Protein 44.0%	32.9%
Trutest Beef Cattle Supplement	Total Protein 44.0%	38.6%
Trutest Pig & Sow Concentrate Medicated	Penicillin 13.1 gm/T	6.3 gm/T
Trutest Hog Supplement	Total Protein 46.0%	41.0%
Pan American Mills, Bowling Green, Ky. 42101		
Green Valley Dairy Concentrate	Total Protein 50.0%	42.7%
Pig Grower Pellets, Medicated	Sulfamethazine .011%	.0178%
Green Valley Grower Pellets Medicated	Sulfamethazine .011%	.0193%
Green Valley Hog Concentrate Medicated	Arsanilic Acid .04%	.0085%
Green Valley Hog Concentrate, Medicated	Penicillin 17.5 gm/T	1.00 gm/T
Green Valley Hog Supplement Medicated	Total Protein 40.0%	37.1%
Green Valley Hog Supplement Medicated	Total Protein 40.0%	37.4%
Green Valley Hog Supplement Medicated	Arsanilic Acid .05%	.0285%
Green Valley Hog Supplement Medicated	Arsanilic Acid .05%	.0104%
Green Valley Hog Supplement Medicated	Total Protein 40.0%	35.4%
Quaker Oats Co., Chicago, Ill. 60654		
Ken 'L Ration Burger for Dogs	Fat 7.0%	12.3%
Puss 'N Boots Chicken Flavor Feast	Fat 9.0%	15.0%
Ken 'L Ration Special Cuts	Fat 6.0%	3.7%
Ralston Purina Co., St. Louis, Mo. 63199		
Purina Special Steer Fatena	N.P.N. 35.0%	42.5%
Purina Special Steer Fatena	Total Protein 50.0%	62.2%
	N.P.N. 35.0%	43.8%
Purina Special Heifer Fatena 175 MA Medicated	Total Protein 32.0%	29.6%
Purina Special Steer Fatena 32G	Total Protein 32.0%	40.6%
	N.P.N. 16.0%	22.8%
Purina Special Steer Fatena 32G	N.P.N. 16.0%	18.4%
Purina Special Steer Fatena 50	Total Protein 50.0%	35.4%
Purina Checkerboard Dairy 16 Ky G	Fiber 10.0%	13.6%
Purina Checkerboard Dairy 16 Ky G	N.P.N. 4.50%	7.4%
Purina Dairy Concentrate 44G	Total Protein 44.0%	39.7%
Purina Dairy Concentrate 44G	Total Protein 44.0%	41.9%
Purina Dairy Concentrate 42G	Total Protein 42.0%	34.0%
Purina Dairy Concentrate 44% G	Total Protein 44.0%	41.4%
Purina Dairy Concentrate 42G	Total Protein 42.0%	47.1%
Purina Dairy Concentrate 44G	Total Protein 44.0%	41.7%
Purina Dairy Concentrate 32 1915	Total Protein 32.0%	27.1%
Purina Pig Starter Medicated	Penicillin 50 gm/T	20.9 gm/T
Purina Pig Starter Medicated	Sulfamethazine .011%	.0064%
Purina Hog Supplement G	Total Protein 35.0%	30.3%
Purina Hog Supplement G	Total Protein 40.0%	36.1%
Purina Hog Chow Medicated	Total Protein 36.0%	33.6%
Purina Hog Chow Medicated	Total Protein 36.0%	32.1%
Purina Hog Chow Medicated	Total Protein 36.0%	33.3%
Purina Farmblend Hog Chow	Total Protein 36.0%	33.7%
Purina Pig Chow 40 Medicated	Total Protein 40.0%	37.0%
Purina Pig Chow 40 Medicated	Sulfamethazine .044%	.0254%
Purina Pura Lasses	Fiber 12.0%	16.4%
Purina Pura Lasses	Fiber 12.0%	16.0%
Riverside Industries, Marks, Miss. 38646		
Expello Cottonseed Meal	Total Protein 41.0%	38.4%
Expello Cottonseed Meal	Total Protein 41.0%	38.8%
Robinson Milling Co., Somerset, Ky. 42501		
Sun-Ray Pig & Hog Grower Medicated	Arsanilic Acid .01%	.019%
Sun-Ray Hog Supplement	Total Protein 40.0%	37.6%
Jersey Mixed Feed	Total Protein 16.0%	26.3%
Sandusky Mill, Harrodsburg, Ky. 40330		
Dairy Feed	Total Protein 16.0%	13.5%

TABLE 2 SAMPLES IN VIOLATION.

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Sebree Feed & Grain Co., Sebree, Ky. 42455 Hog Developer & Finisher	Total Protein 36.0%	32.0%
Southern States Coop., Baltimore, Md. 21203 Southern States ProBlend	Total Protein 50.0%	45.4%
Star-Kist Foods, Inc., Terminal Island, Cal. 90730 9 Lives Tuna & Chicken Cat Food 9 Lives Mackerel Cat Food	Fat 3.0% Total Protein 18.0%	8.5% 15.3%
Supreme Mills, Glasgow, Ky. 42141 Supreme Brand Dairy Concentrate Supreme Brand Dairy Concentrate Supreme Brand Dairy Concentrate Supreme Brand Dairy Concentrate Supreme Brand Dairy Supplement Supreme Brand Hog Supplement	Total Protein 45.0% Total Protein 45.0% Total Protein 45.0% Total Protein 45.0% Total Protein 50.0% Total Protein 40.0% Fiber 8.0%	34.0% 42.8% 38.7% 42.0% 45.6% 37.1% 11.3%
Thorobred Co., Waynesville, Ohio 45068 Gourmet Pack Chicken Parts with Barley Gourmet Pack Chicken & Chicken Parts	Fat 4.0% Fat 6.0%	12.4% 17.4%
Triple F Feeds, Des Moines, Ia. 50322 Golden Pro 65 9465B	Total Protein 65.0%	60.5%
Vylactos Laboratories, Des Moines, Ia. 50313 Scotch-O-Lass Mr. Blackstrap Cane Molasses  Mr. Blackstrap Cane Molasses	Total Protein 2.0% Total Protein 2.0% Invert Sugar 42.0% Total Protein 2.0% Invert Sugar 42.0%	7.8% 7.2% 37.3% 9.6% 26.0%
Wells Div., Nat'l Pet Foods Corp., Monmouth, Ill. 61462 Corn Flake Crumbs	Total Protein 10.0%	16.0%
Wiedemann Brewing Co., Newport, Ky. 41071 Brewers Dried Grains	Total Protein 24.0%	29.2%
R. L. Wiles Feed Mill, Inc., Nashville, Tenn. 37210 Uncle Dan Dairy Feed Famous Pig & Sow Ration	Total Protein 18.0% Total Protein 18.0%	15.8% 15.6%

\* Samples are shown as "in violation" in Table 2 when extremely deficient or excessively above guaranty as follows:

Protein: More than 2 units\* below guaranty. Exceeds guaranty by 5 or more units.  
 N.P.N.: Exceeds guaranty by more than 2 units.  
 Fat: More than 2 units below guaranty. Exceeds guaranty by 5 or more units.  
 Fiber: Exceeds guaranty by more than 2 units.  
 Invert Sugar: 10% lower than guaranty.  
 Salt: Varies from guaranty by plus or minus 2 units.  
 Calcium: Varies from guaranty by plus or minus 2 units.

Magnesium, Manganese,  
 Copper, Iron, Zinc:  $\pm 40\%$   
 Oxytetracycline, Penicillin  
 Chlortetracycline:  $\pm 50\%$   
 Phenothiazine, Sulfamethazine:  
 Furazolidone, Arsanilic Acid,  
 3-Nitro-4 hydroxyphenyl Arsonic Acid  
 Piperazine, Nitrogurazone, Zoalene:  $\pm 40\%$   
 Tylosin:  $\pm 30\%$

\* One percentage point is considered a unit. Example: a "found" value of 15% is 1 unit below a guarantee of 16%.