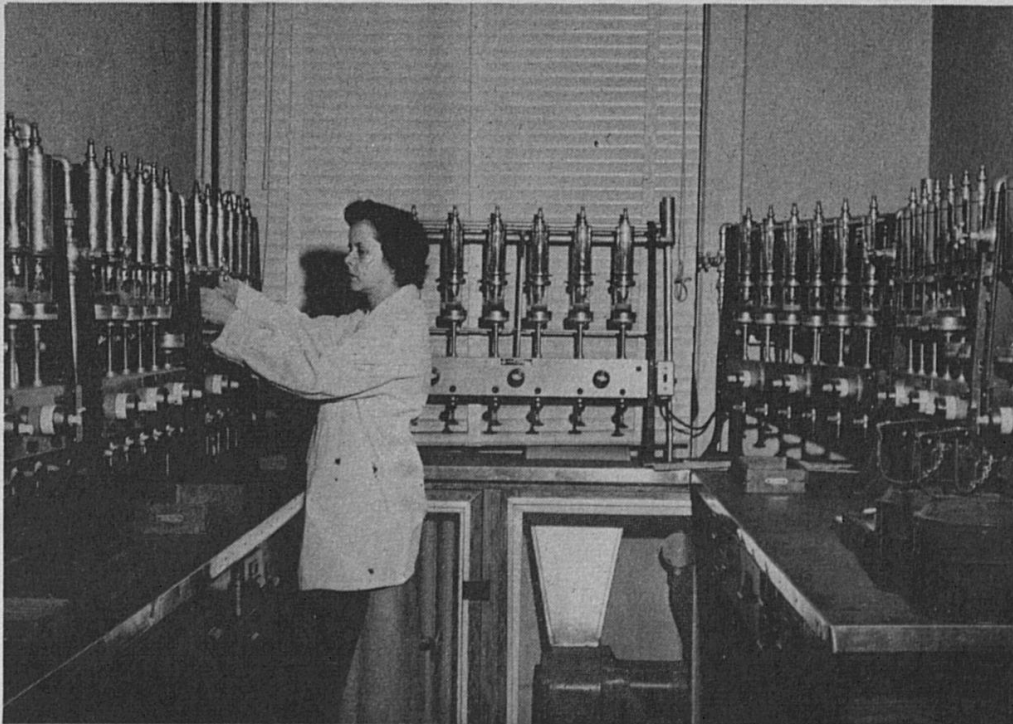


# Commercial Feeds in Kentucky

1971



Regulatory Bulletin 210

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

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



FEED SECTION

DIVISION OF REGULATORY SERVICES

KENTUCKY AGRICULTURAL EXPERIMENT STATION

Bruce Poundstone, Director\*

Dr. H. F. Massey, Director

Dr. Paul R. Caudill, Assistant Director

Glynn E. Williamson, Milk & Feed Coordinator

Neville Hulette, Auditor

FIELD INSPECTION

Wilson M. Routt  
Joe B. Brown\*  
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 Dombroski  
Debra Dahn

Dr. Poo An Thio  
Carolyn Sue Herald  
Norma Holbrook

Oscar McNew\*\*  
Ellen Perry  
Robert N. Price  
J. A. Shrader

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CONTENTS

	Page
Introduction & Feed Monitoring Program. . . . .	4
Estimated Tonnage of Feed Sold in 1971. . . . .	5
Companies with Feed Registered in 1971. . . . .	6
Average Composition of More Common Feedstuffs . . . . .	15
Miscellaneous Samples Analyzed 1947-1971. . . . .	17
Urea in Feeds . . . . .	18
Changes in Product Names. . . . .	19
The Medicated Feed Label. . . . .	20
Table 1 - Report of Official Samples Analyzed in 1971 . . . . .	22
Table 2 - Samples Classified as "Not Passed" . . . . .	28

This bulletin compiled and prepared by Bruce Poundstone, Dr. H. F. Massey, and  
Glynn E. Williamson  
Analytical data by Laboratory Staff

\* Retired July, 1971

\*\* Resigned April, 1971

## INTRODUCTION

This bulletin contains the results of inspection and analysis of commercial feeds sold in Kentucky during the calendar year of 1971 and other information helpful to those interested in feeds in Kentucky.

During 1971, 2,450 official samples of feed were secured by inspectors. 2,207 or 90% of these passed inspection and analysis satisfactorily. During 1970, 2,803 official samples were secured and 91% of these passed. 300 special samples were analyzed in the laboratory. The total estimated tonnage of commercial feeds distributed in Kentucky for 1971 was 742,514 tons. In 1970 the tonnage was 714,026 tons.

## FEED MONITORING PROGRAM

All feeds sold in Kentucky must be registered with the Feed Control Section. Registration forms are available upon request and there is no charge for registration. Registration continues in effect until re-registration is called for. Registrants should keep all registrations current by cancelling feeds no longer manufactured and by adding new feeds. Re-registration of all feeds was called for and accomplished in 1971. Regulatory Service Inspectors in the field consult with dealers and manufacturers to assist them with labeling, record keeping, and feed manufacturing practices, check compliance and sample feed. Samples are analyzed in the chemical laboratory. Samples that do not come up to the guaranteed analysis are listed in an annual feed bulletin published by the section. Those companies having seriously deficient feed samples are advised by telephone or letter regarding the deficiency, and on occasions when the situation warrants, stop-sale notices are issued until the situation can be corrected. The Feed Control Program protects the feeder by requiring proper labeling, adequate purpose statements, precautions, and warnings where necessary and checking contents of feeds with the guarantees. Manufacturers and dealers are thus enabled to do business on orderly and equitable basis.

During the year inspectors brought in 40 samples of feeds that were not registered. Feed manufacturers have been most cooperative in registering such feeds. Fourteen stop-sales were issued during the year on feeds. All stop-sales were cleared up in accordance with Regulatory Services' directives.



ESTIMATED TONNAGE OF SALES BY CLASS OF FEED  
KENTUCKY, 1971

5

Mixed Feed

Beef	32,887
Broiler	29,845
Calf	6,701
Dairy	210,169
Dog & Cat	36,732
Horse & Mule	24,276
Layer-Breeder	63,445
Mineral	10,520
Scratch, Wild Bird	5,438
Sheep	631
Starter-Grower	13,661
Swine	155,686
Turkey	372
Miscellaneous Mixed Feeds	<u>14,925</u>
TOTAL MIXED FEEDS	<u>605,288</u>

Straight Materials

Alfalfa Products	2,233
Animal Products	10,765
Barley Products	197
Beet Products	106
Brewery Products	1,209
Citrus Products	205
Corn Products	29,470
Cottonseed Products	5,988
Distillers Products	7,399
Drugs	4
Lespedeza Products	36
Linseed & Flax	299
Marine Products	23
Milk Products	187
Molasses	1,591
Oat Products	3,736
Peanut Products	13
Rice Products	128
Rye Products	29
Soybean Products	33,205
Urea	370
Vitamins	365
Wheat Products	19,010
Miscellaneous Products	<u>6,338</u>
TOTAL STRAIGHT MATERIAL	<u>122,906</u>
GRAND TOTAL	<u>728,194</u>

## COMMERCIAL FEEDS IN KENTUCKY, 1971

## COMPANIES HAVING FEED REGISTERED, 1971

Acme-Evans Company, Inc., Indianapolis, Ind.  
 46222  
 Adams Packing Assn., Inc., Auburndale, Fla.  
 33823  
 Ade Farm Chemical Co., Inc., Tiskilwa, Ill.  
 61368  
 Agricultural Supply Co., Inc., Owensboro,  
 Ky. 42301  
 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, Kentucky 42602  
 Albers Milling Co., Los Angeles, Cali. 90036  
 Alex Agri-Supply Co., Louisville, Ky. 40206  
 Allegre Milling Co., Allegre, Kentucky 42203  
 Allen Canning Co., Siloam Springs, Arkansas  
 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., Morristown,  
 N.J. 07960  
 Allied Chemical Corp., Hopewell, Va. 23860  
 Allied Foods Inc., Atlanta, Georgia 30318  
 Allied Mills, Inc., Libertyville, Ill. 60048  
 Allison Mills, Inc., Little Rock, Ark. 72204  
 Alver Brothers Co., Milford, Illinois 60053  
 Amendt Milling Co., Monroe, Michigan 48161  
 American Crystal Sugar Co., Denver, Colo.  
 80202  
 American Cyanamid Company, Princeton, N.J.  
 08540  
 American Kennel Foods, Russellville, Ky.  
 42276  
 American Pet Food Company, Birmingham, Ala.  
 35223  
 American Rice Growers Coop Assn., Lake  
 Charles, La. 70601  
 American Salt Corp., Des Plaines, Illinois  
 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, Illinois  
 62223  
 Anvil Mineral Prod. Corp., Bay Springs,  
 Miss. 39422  
 Apex Feed & Supply, Inc., Marietta, Ohio  
 45750  
 Archer Daniels Midland Co., Minneapolis,  
 Minn. 55440  
 Arkansas Grain Corp., Stuttgart, Ark. 72160  
 Arkansas Rice Growers Coop., Stuttgart, Ark.  
 72160  
 Armour Creameries, Springfield, Ky. 40069  
 Armour-Dail, Inc., Chicago, Illinois 60606  
 Armour & Company, Chicago, Illinois 60609  
 Ashland Milling Co., Ashland, Ky. 41101  
 Astor Products, Inc., Jacksonville, Florida,  
 32202  
 Attala Company, The, Kosciusko, Miss. 39090  
 Aubrey Feed Mills, Inc., Louisville, Ky.  
 40204  
 Auburn Mills, Inc., Auburn, Kentucky 42206  
 Aylor & Meyer Company, Aurora, Ind. 47001  
 Bagdad Roller Mills, Bagdad, Kentucky 40003  
 Balfour, MacLaine, Inc., New York, New York  
 10004  
 Baltz Brothers Packing Company, Nashville,  
 Tenn. 37210  
 Barton Brands, Inc., Bardstown, Ky. 40004  
 Bay State Milling Co., Leavenworth, Kansas  
 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 Company, Benton, Ky.  
 42025  
 Bisset Farm Supply, Harrodsburg, Ky. 40330  
 Blenda Life, Inc., Green Isle, Minn. 55338  
 Blue Barn Dog Food Co., New Albany, Indiana  
 47150  
 Blue River Feed Mills, Inc., Edinburg, Ind.  
 46124  
 Bobb Brothers, Leesburg, Ohio 45135  
 L. C. Bolson Co., The, Decorah, Iowa 52101  
 Boone Co. Farm Supply, Walton, Ky. 41094  
 Boones Feed Store, Stanford, Kentucky 40484  
 Boone Valley Coop. Proc. Assn., Eagle Grove,  
 Iowa 50533  
 Borden Chemical Co., Norfolk, Va. 23501  
 Boswell Company, Atlanta, Georgia 30305  
 Bow Wow Co., Inc., Rolla, Missouri 65401  
 Bremco Mills, New Bremen, Ohio 45869  
 Brode Corp., Memphis, Tenn. 38101  
 Browder Milling Co., Inc., Fulton, Ky. 42041  
 Brown-Forman Distillers Corp., Louisville,  
 Ky. 40201  
 Brown Molasses Co., Inc., Bremen, Indiana,  
 46506  
 Bryant & Crume Milling Co., Caneyville, Ky.  
 42721  
 Buckeye Cellulose Corp., Cinn., Ohio 45201  
 Buckeye Cellulose Corp., Memphis, Tennessee  
 38108



## COMPANIES HAVING FEED REGISTERED, 1971

Buhler Mills, Inc. Buhler, Kansas 67522  
 Buhler Mills, Memphis, Tennessee 38104  
 Burrows Feed Mill, Pendleton, Ky. 40055  
 Bush Brothers & Company, Clinton, Tenn.  
 37716  
 A. C. Butts & Sons, Fulton, Kentucky 42041  
 CPC International Inc., Englewood Cliffs,  
 N.J. 07632  
 Cadiz Milling Company, Cadiz, Ky. 42211  
 Calhoun Feed Service, Madisonville, Ky.  
 42431  
 Camerican International Inc., N.Y., N.Y.  
 10016  
 Campbellsville Milling Co., Campbellsville,  
 Ky. 42718  
 Candlestick Farm, Danville, Kentucky 40422  
 Caneyville Roller Mill Co., Caneyville, Ky.  
 42721  
 Cardinal Food Products, Inc., St. Louis,  
 Mo. 63103  
 Carey Salt Company, Hutchinson, Kansas  
 67501  
 Cargill, Inc., Minneapolis, Minn. 55402  
 Cargill Nutrena Feed Div., Minneapolis,  
 Minn. 55402  
 Carnation Co., Los Angeles, Calif. 90036  
 Carroll Co. Farm Bureau Coop., Carrollton,  
 Ky. 41008  
 Catz American Co., Inc., New York, N.Y.  
 10016  
 Central Soya Co., Inc., Ft. Wayne, Indiana  
 46802  
 Central Soya of Clinton, Inc., Clinton, Ky.  
 42031  
 Central Soya of Ky., Louisville, Ky. 40204  
 Champion Valley Farms, Inc., Camden, N.J.  
 08101  
 Chemagro Corp., Kansas City, Mo. 64120  
 City Roller Mills, Vevay, Indiana 47043  
 Clarkson Feed Store, Clarkson, Ky. 42726  
 Cleveland Milling Co., Cleveland, Tennessee  
 37311  
 Climax Mills, Shelbyville, Kentucky 40065  
 Clinton Corn Processing Co., Clinton, Iowa  
 62233  
 Cobbs Feed & Grain Co., Marion, Ky. 42064  
 H. C. Cole Milling Co., Chester, Ill. 62233  
 Columbian Hog & Cattle Powder, Kansas City,  
 Mo. 64129  
 Comet Rice Mills, Houston, Texas 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  
 Crestwood Farmers Supply Center, Crestwood,  
 Ky. 40014  
 Cudahy Co., Harrodsburg, Ky. 40330  
 Cumberland Milling Co., Clarksville, Tenn.  
 37040  
 Custom Feed Mills, Morganfield, Ky. 42437  
 Cutter Bill Products, Alexandria, Oh. 45381  
 Dairymen, Inc., Louisville, Kentucky 40202  
 Darling & Co., Chicago, Illinois 60609  
 Darling & Co., Cincinnati, Ohio 45215  
 Darragh Co., Little Rock, Arkansas 72203  
 Wm. Davies Co., Inc., Danville, Ill. 61834  
 Davis Feed & Farm Supply, Greensburg, Ky.  
 42743  
 Dawes Laboratories, Inc., Chicago, Illinois  
 60632  
 Dearborn Mills, Aurora, Indiana 47001  
 Delta Oil Mill, Inc., Jonestown, Miss.  
 38639  
 Delta Rice, Inc., Hollandale, Miss. 38748  
 Diamond Crystal Salt Co., St. Clair, Mi.  
 48079  
 Diamond Laboratories, Des Moines, Ia. 50303  
 Diamond Shamrock Chemical Co., Newark, N.J.  
 07101  
 Diamond V. Mills, Inc., Cedar Rapids, Iowa  
 52407  
 Dicken Mill, Mentor, Kentucky 41060  
 Dixie Mills, Co., E. St. Louis, Ill. 62202  
 Dixie Portland Flour Mills, Arkansas City,  
 Kan. 67005  
 Dixie Portland Flour Mills, Chattanooga,  
 Tenn. 37401  
 Dixie Portland Flour Mills, Memphis, Tenn.  
 38101  
 Dixon Bros. Inc., Greenwich, Conn. 06870  
 Doane Products Co., Joplin, Mo. 64801  
 Docketors Laboratories, Pittsburgh, Pa. 15154  
 The Dow Chemical Co., Midland, Mich. 48640  
 Duncan-McFarland Farm Service, Lawrenceburg,  
 Ky. 40342  
 Dunnington Milling Co., Monticello, Ky.  
 42633  
 Edges Feed Store, Fordville, Kentucky 42345  
 E. I. Dupont DeNemours & Co., Wilmington,  
 De. 19898  
 Emge Packing Co., Inc., Ft. Branch, Indiana  
 47533  
 F. L. Emmert Co., Inc., Cinn., Ohio. 45214  
 Enkay Inc., Shawnee Mission, Kansas 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, Missouri  
 63110

## COMPANIES HAVING FEED REGISTERED, 1971

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 Dept., Franklin,  
 Ky. 42134  
 Farmers Feed Mill, Lexington, Ky. 40508  
 Farmers Feed Store, Central City, Kentucky  
 42330  
 Farmers Friend Mineral Co., Napoleon, Ohio  
 43545  
 Farmers & Ginners Cotton Oil Company,  
 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  
 Farmers Tankage Co., Henderson, Ky. 42420  
 Farmington Sweet Feed Mill, Farmington, Ky.  
 42040  
 Farmland Industries, Inc., Kansas City, Mo.  
 64116  
 Farnam Co., Inc., Phoenix, Arizona 85001  
 J. H. Fedders, Inc., Covington, Ky. 41014  
 Fedders Feed Service, Owenton, Ky. 40359  
 Feed Service Corp., Crete, Nebr. 68333  
 Ferguson Bros. Feed Mill, Albany, Ky. 42402  
 Ferma-Gro Corp., Storm Lake, Iowa 50588  
 Ferneau Grain Co., Cincinnati, Ohio 45227  
 Field Packing Co., Inc., Owensboro, Ky.  
 42301  
 Finch Packing, N. Vincennes, Ind. 47591  
 Fischer Packing Co., Louisville, Ky. 40201  
 Fleischmann Distilling Corp., Owensboro,  
 Ky. 42301  
 Fleming Laboratories, Inc., Charlotte, N.C.  
 28208  
 Flo-Pro, Inc., Horton, Kansas 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, Oh. 43545  
 Francis Wholesale Co., Prestonburg, Ky.  
 41653  
 R. T. French Manufacturers, Rochester, N.Y.  
 14609  
 Froedtert Malt Corp., Milwaukee, Wisc.  
 53215  
 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 Co. Farm Supply, Warsaw, Ky.  
 41095  
 Gallia Roller Mills, Gallipolis, Oh. 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 Feed & Grain Supply, Lancaster, Ky.  
 40444  
 General Foods Corp., Kankakee, Ill. 60901  
 General Foods Corp. Gaines Div., White  
 Plains, N.Y. 10605  
 General Mills, Inc., Minneapolis, Minn.  
 55440  
 General Packing Co., Waynesville, Ohio  
 45068  
 Germantown Milling Co., Germantown, Ky.  
 41044  
 Gethsemani Farms, Trappist, Ky. 40073  
 Gilster Milling Co., Chester, Ill. 62233  
 Glenmore Distilleries Co., Owensboro, Ky.  
 42301  
 Godbold, Inc., Lubbock, Texas 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, Iowa  
 52716  
 Grant Co. Farm Supply, Dry Ridge, Kentucky  
 41035  
 Grayson Milling Co., Grayson, Ky. 41143  
 The Great A & P Tea Co., Inc., Brockport,  
 N.Y. 14420  
 Great Lakes Pet Food Co., Hammond, Indiana  
 43625  
 Green County Milling Co., Greensburg, Ky.  
 42743  
 Green Valley Farm Supply, Inc., Island, Ky.  
 42350  
 Griffin Industries, Butler, Kentucky 41006  
 Griffin Packing Co., Danville, Ky. 40422  
 Gro-Kote, Inc., Santa Rosa, Calif. 95402  
 Gulf Oil Co., Kansas City, Missouri 64105



## COMPANIES HAVING FEED REGISTERED, 1971

Gulf Oil Corp., Chem. Dept., Sturgis, Ky. 42459  
 Guthrie Feed Mill, Guthrie, Ky. 42234  
 Earl Hale & Son, Jasper, Ohio 45642  
 Hales & Hunter Co., Minneapolis, Minn. 55402  
 Hardin County Milling Co., Elizabethtown, Ky. 42701  
 Hardin Feed Mill, Hardin, Kentucky 42048  
 Hardy Brothers Mills, Walton, Ky. 41094  
 Hardy Salt Co., St. Louis, Missouri 63166  
 Harlan Farmers Supply Co., Harlan, Kentucky, 40831  
 Harpeth Mills, Nashville, Tennessee 37203  
 Harrodsburg Farm Service, Harrodsburg, Ky. 40330  
 Hartz Mountain Products, Harrison, N.J. 07029  
 Harvest Brand, Inc., Pittsburgh, Kans. 66762  
 T. J. Haycraft Sales & Service, Leitchfield, Ky. 42754  
 Haydon Mill & Grain Co., Springfield, Ky. 40069  
 Haynes Milling Co., Inc., Portland, Indiana 47371  
 Haynie Products Inc., Baltimore, Maryland 21230  
 Hayward, Inc., Oak Harbor, Ohio 43449  
 Heaven Hill Distilleries, Bardstown, Ky. 40004  
 Dr. Heinz Co., Bloomingburg, Ohio 43106  
 Helena Cotton Oil Co., Inc., Helena, Ark. 72342  
 Burch Hester Feed Store, Hustonville, Ky. 40437  
 Hi-Acres Concentrate, Inc., Orlando, Fla. 32804  
 Hi-Life Packing Co., Chicago, Illinois 60603  
 Hi-Vi Dog Food Co., Rush Springs, Okla. 73082  
 Hickman Co. Feed Mill, Clinton, Ky. 42031  
 Hill's Div. Riviana Foods, Inc., Topeka, Kan. 66601  
 Frank Hinton & Son, Plummers Landing, Ky. 41089  
 Hobbs Feed & Supply, Fancy Farm, Ky. 42039  
 Hodgenville Roller Mills, Hodgenville, Ky. 42748  
 Holly Farms Poultry Indus. Inc., Wilksboro, N.C. 28697  
 Holly Sugar Corp., Colorado Springs, Colo. 80901  
 Home Milling Co., Inc., Greenville, Ky. 42345  
 Honegger's & Co., Inc., Fairbury, Ill. 61739  
 Hoosier Mineral Feed Co., Greenwood, Ind. 46142  
 Hopkinsville Milling Co., Hopkinsville, Ky. 42240  
 Horlicks Corp., Racine, Wisc. 53404  
 Howdy Distributing Co., Williamstown, W.Va. 26187  
 Hubinger Co., Keokuk, Iowa 52732  
 Hudsons Farm Service, Franklin, Ky. 42134  
 Huff & Puff Pet Foods, Inc., Reedville, Va. 22539  
 Humphreys Mills, Memphis, Tennessee 38102  
 Hunter Milling Co., Wellington, Kan. 67152  
 Hygrade Food Products Corp., Clyde, Ohio 43410  
 Hyland Company, The, Ashland, Kentucky, 41101  
 Ingleheart Bros., Evansville, Ind. 47707  
 Illinois Cereal Mills, Inc., Paris, Ill. 61944  
 J. F. Imbs Milling Co., St. Louis, Mo. 63110  
 Indiana Farm Bureau Coop. Assn., Indpls., Ind. 46204  
 Industrial Molasses Corp., Leonia, N. J. 07605  
 International Mineral & Chemical Corp., Skokie, Ill. 60077  
 International Multifoods Corp., Minn., Minn. 55415  
 International Salt Co., Inc., Clarks Summit, Pa. 18411  
 International Sugar Feed Co., Minneapolis, Minn. 55406  
 Jersee Security Co., Minneapolis, Minn. 55415  
 Jewel Companies, Barrington, Ill. 60010  
 Jim Dandy Co., The, Birmingham, Ala. 35201  
 I. S. Joseph Co., Inc., Minneapolis, Minn. 55415  
 K & K Manufacturing Inc., Rogers, Minn. 55374  
 Kaiser Ag. Chemicals, Savannah, Ga. 31402  
 E. Kahn's Sons Co., Cincinnati, Ohio 45225  
 Kal Kan Foods, Inc., Los Angeles, Calif. 90058  
 Kaler Milling Co., Symsonia, Ky. 42082  
 Kalmbach Feeds, Inc., Sandusky, Ohio 43351  
 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  
 Kentucky Animal By-Products, Russellville, Ky. 42276  
 Kennett 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-Diamond Milling Co., Fort Worth, Texas 76101  
 Kingston Farmers Exchange, Inc., Kingston, Ohio 45646  
 Klarer of Ky. Inc., Louisville, Ky. 40201

COMMERCIAL FEEDS IN KENTUCKY, 1971  
 COMPANIES HAVING FEED REGISTERED, 1971

Knauf & Tesch Co., Chilton, Wisc. 53014  
 H. C. Knoke & Co., Chicago, Ill. 60650  
 Ed. G. Keohl, Inc., Reading, Ohio 45215  
 Kraft Foods, Chicago, Illinois 60612  
 Kroger Co., Cincinnati, Ohio 45202  
 Kuder Citrus Pulp, Lake Alfred, Florida  
 33850  
 La Crosse Milling Co., Cochrane, Wisc.  
 54622  
 Land O'Lakes Creameries, Inc., Minn.,  
 Minn. 55413  
 Edmond J. Lang, New Rochell, N.Y. 10802  
 Lark, Boone, Iowa 50036  
 Lauhoff Grain Co., Danville, Ill. 61832  
 Harry L. Laws & Co., Inc., New Orleans,  
 La. 70130  
 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  
 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  
 Louisa Supply Co., Inc., Louisa, Ky.  
 41230  
 Lowes Feed & Hatchery, Bowling Green, Ky.  
 42101  
 Lowes Pellets & Grain, Inc., Greensburg,  
 Ind. 47240  
 Lubbock Cotton Oil Mill Co., Lubbock, Tx.  
 79408  
 Lynn Grove Milling Co., Murray Ky. 42062  
 M.F.A. Grain Division, Mexico, Mo. 65265  
 M & W Milling Co., Inc., Columbia, Ky.  
 42728  
 Manard Molasses Company, New Orleans, La.  
 70130  
 Manko Co., Inc., Ocala, Florida 32670  
 Marblehead Lime Co., Chicago, Ill. 60606  
 Marion Feed Mills, Marion, Ky. 42064  
 Martin Sales Co., Toledo, Ohio 43606  
 Masonite Corp., Chicago, Ill. 60606  
 Mavar Shrimp & Oyster Co., Biloxi, Miss.  
 39530  
 Mayes-Helm & Coyle, Perryville, Ky. 40468  
 Mayfield Milling Co., Inc., Mayfield, Ky.  
 42066  
 Mayfield Sweet Feed Mill, Mayfield, Ky.  
 42066  
 Mayflower Mills, Ft. Wayne, Ind. 46801  
 McCauley Bros. Seed Co., Versailles, Ky.  
 40383  
 J. A. McDonald & Sons, Rogersville, Tenn.  
 37857  
 McGahan & Co., Paintsville, Ky. 42140  
 McInnis Co., Pulaski, Tenn. 38478  
 McKnight-Keaton Grocery Co., Sikeston, Mo.  
 63801  
 McRedmond Brothers, Nashville, Tenn. 37210  
 McWhorter Bros., Albany, Ky. 42602  
 Meadows Feed & Bldg. Supply, Clay City, Ky.  
 40312  
 Medley Distilling Co., Owensboro, Ky. 42301  
 Mennel Milling Co., Fostoria, Ohio 44830  
 Metzger Bros. Paducah, Kentucky 42001  
 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  
 Middlesboro Milling Co., Middlesboro, Ky.  
 40965  
 Midget Mills, Somerset, Ky. 42501  
 Midwest Feeds Co., Cincinnati, Ohio 45215  
 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  
 Mineral Products Co., Indianapolis, Indiana  
 46221  
 Minter City Oil Mill, Minter City, Miss.  
 38944  
 Mississippi Chemical Corp., Yazoo City,  
 Miss. 39194  
 Mississippi Cottonseed Products, Co.,  
 Grenada, Miss. 38901  
 Mitsui & Co. (USA), Inc., San Francisco,  
 Calif. 94104  
 Model Mills, Georgetown, Ky. 40324  
 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 Bros. Sweet Feed Mill, Cave City, Ky.  
 42127  
 Monroe Sweet Feed Mill, Tompkinsville, Ky.  
 42167  
 Moore's Feed Store, PeWee Valley, Ky. 40056  
 Moore Lowry Flour Mills, Kansas City, Mo.  
 64112  
 Moorman Manufacturing Co., Quincy, Illinois  
 62302



## COMPANIES HAVING FEED REGISTERED, 1971

Morgan Packing Co., Inc., Austin, Ind. 47102  
Morgantown Feed Mill, Morgantown, Ky. 42261  
Mor-Milk Co., Dixon, Ill. 61021  
John Morrell & Co., Chicago, Illinois 60604  
Morton Salt Co., Chicago, Illinois 60606  
L. A. Mosher Co., Atlanta, Georgia 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, Toledo, Ohio 43603  
Henry Nagel & Son, Cincinnati, Ohio 45214  
Naremc0, Inc., Springfield, Missouri 65805  
Nashville Oil Mill Co., Nashville, Tenn. 37202  
National Alfalfa Dehydrating & Milling Co., Shawnee Mission, Kan. 66201  
National Biscuit Co., New York, N.Y. 10022  
National Biscuit Co., Toledo, Ohio 43603  
National Distillers Products, Cincinnati, Ohio 45246  
National Molasses Co., Willow Grove, Pa. 19090  
National Oats Co., E. St. Louis, Ill. 62205  
National Oats Co., Cedar Rapids, Iowa 52402  
National Starch & Chemical Corp., Indpls., Ind. 46221  
Neumond, Inc., St. Louis, Mo. 63110  
New Century Co., The, Chicago, Ill. 60609  
New Era Milling Co., Arkansas City, Kan. 67005  
Nicholas Co. Feeders Supply, Carlisle, Ky. 40311  
Nipak, Inc., Dallas, Texas 75221  
Nora Mills, The, Lewisburg, Tenn. 37091  
Northern Ohio Sugar Co., Denver, Colo. 80217  
Northern Ohio Sugar Co., Findley, Ohio 45840  
Northern Ohio Sugar Co., Fremont, Ohio 43420  
Norwich Agr. Products, Inc., Norwich, N.Y. 13815  
Charles Nunn & Sons Milling, Evansville, Ind. 47712  
Nutrena Mills, Inc., Minneapolis, Minn. 44402  
Occidental Chemical Co., Houston, Tex. 77001  
Ocean Labs, Inc., Irvine, Calif. 92640  
Odon Milling Co., Inc., Odon, Ind. 47562  
Ohio Blenders, Inc., Toledo, Ohio 43611  
Old Stanley Distillery, Inc., Stanley, Ky. 42375  
Agricultural Div. Olin, Little Rock, Ark. 72203  
Orleans Canning 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  
Pan Pacific Fisheries, Inc., Terminal Island, Calif. 90731  
Paymaster Oil Mill Co., Phoenix, Ariz. 85002  
Pearl Packing Co., Inc., Madison, Ind. 47250  
Peavy Co. Flour Mills, Minneapolis, Minn. 55415  
Pedrick Laboratories, Sand Springs, Okla. 74063  
Pendleton County Mills, Falmouth, Ky. 41040  
Penick & Ford Limited, Inc., Cedar Rapids, Iowa 52406  
Stanley Penn & Sons, Lexington, Ky. 40508  
Perk Foods Co., Div. Vets, Chicago, Illinois 60610  
Peter Hand Foundation, Waukegan, Illinois 60085  
Chas. Pfizer & Co., Inc., New York, N.Y. 10017  
Philips Roxane Div., Kansas City, Kansas 66106  
Phillips Petroleum Co., Bartlesville, Okla. 74004  
Pierce & Williams, Hopkinsville, Ky. 42240  
Pillsbury Co., Minneapolis, Minn. 55403  
Pioneer Farm Service, Owensboro, Ky. 42301  
Pittsburgh Plate Glass Co., Red Wing, Minn. 55066  
Plains Coop. Oil Mill, Lubbock, Tex. 79408  
Planters Manufacturing Co., Clarksdale, Miss. 38614  
Planters Oil Mill, Tunica, Miss. 38676  
Price-Wilhoite Co., Frederick, Md. 21701  
Princeton Mills, Princeton, Ky. 42445  
Producers Farm Center, Clinton, Ky. 42031  
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, Illinois 60654  
Quincy Soybean Company, Quincy, Illinois 62301

## COMPANIES HAVING FEED REGISTERED, 1971

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  
 Raymondville Cotton Oil Co., Raymondville,  
 Tex. 78580  
 Reelfoot Alfalfa Mill, Tiptonville, Tenn.  
 38079  
 Reelfoot Packing Co., Union City, Tenn.  
 38261  
 Reliance Chemicals Corp., Houston, Tex.  
 77024  
 Rhodes Sweet Feed Mill, Mayfield, Ky. 42066  
 Rico Liquids, Inc., Aliceville, Ala. 35442  
 Ringgold Milling Co., Clarksville, Tenn.  
 37042  
 Rio Grande Oil Mill, Inc., Harlingen, Texas  
 78550  
 Rival Pet Foods, Chicago, Illinois 60632  
 Riverside Industries, Marks, Miss. 38646  
 Riviana Foods, Inc., Abbyville, La. 70510  
 Robbins Bros., Auburn, Ky. 42206  
 The Robertson Corp., Seymour, Indiana 47274  
 Allen Robertson & Co., Louisville, Ky. 40202  
 Robinson Grain Co., Hickman, Ky. 42050  
 Robinson Milling Co., Somerset, Ky. 42501  
 Roche Chemical Division, Nutley, N.J. 07110  
 Rocky Hill Milling Co., Rocky Hill, Ky.  
 42163  
 Rogers Feed Store, Corinth, Ky. 41010  
 Rome Oil Mill Div., Rome, Georgia 30162  
 G. P. Rose & Co., Inc., Nashville, Tenn.  
 37211  
 W. M. Rudy & Son, Bandana, Kentucky 42022  
 Russell Springs Milling Co., Russell Springs,  
 Ky. 42642  
 Sandusky Mill, Harrodsburg, Kentucky 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  
 J. F. Schneider & Son, Middlesboro, Ky.  
 40965  
 Scioto Farm Bureau Co-op. Assn., Lucasville,  
 Ohio 45648  
 Scott County Milling Co., Sikeston, Mo.  
 63801  
 Sea-Born Corp. Div., Winter Haven, Florida,  
 33880  
 Sea-Born Corp., Chicago, Illinois 60634  
 Seaboard Allied Milling Corp., Kansas City,  
 Mo. 64108  
 Joseph E. Seagram & Sons, Inc., New York, N.Y.  
 10022  
 Security Mills, Inc., Knoxville, Tenn. 37901  
 Shafer Formula Co., Inc., Cleghorn, Ia. 51014  
 Sherwin-Williams Co., Cleveland, Ohio 44101  
 J. R. Short Milling Co., Mt. Vernon, Ind.  
 47620  
 Siemer Milling Co., Teutopolis, Ill. 62467  
 Sikeston Cotton Oil Mill, Sikeston, Mo. 63801  
 Simpson Milling Co., Waynesburg, Ky. 40489  
 Smith Sweet Feed Mill Inc., Bowling Green, Ky.  
 42101  
 Smithfield Milling Co., Smithfield, Ky. 40068  
 Snyder Molasses Co., Chicago, Illinois 60626  
 Southern Canning Div. SMS Inc., Highlands,  
 Tex. 77562  
 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 Glasgow Coop., Glasgow, Ky.  
 42141  
 Southern States Hardin Coop., Elizabethtown,  
 Ky. 42701  
 Southern States Hopkinsville Coop.,  
 Hopkinsville, Ky. 42240  
 Southern States LaGrange Coop., LaGrange, Ky.  
 40031  
 Southern States Lebanon Coop., Lebanon, Ky.  
 40033  
 Southern States Leitchfield, Coop.,  
 Leitchfield, Ky. 42754  
 Southern States London Coop., London, Ky.  
 40741  
 Southern States Owenton Coop., Owenton, Ky.  
 40359  
 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  
 Sowell Bros. Feed Mill, Cerulean, Ky. 42215  
 Woodford Spears & Sons, Paris, Ky. 40361  
 Spears-Kiser Co., Inc., 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



## COMPANIES HAVING FEEDS REGISTERED, 1971

Square Deal Fortification Co., Kouts, Ind. 46347	Triple F Feeds, Des Moines, Iowa 50322
A. E. Staley Manufacturing, Decatur, Ill. 62525	Tupelo Oil Mill, Inc., Tupelo, Miss. 38801
Standard Brands, Inc., New York, N.Y. 10022	Ultra-Life Laboratories, E. St. Louis, Ill. 62201
Standard Products, Inc., Kilmarnock, Va. 22482	Union County Grain Co., Sturgis, Ky. 42459
Stanford Creamery, Stanford, Kentucky 40484	Union Div. Miles Laboratories, Inc., Granite City, Ill. 62040
Star-Kist Foods, Inc., Terminal Island, Cal. 90730	United States Sugar Corp., Clewiston, Fla. 33440
Stauffer Chemical Co., New York, N.Y. 10017	Van Camp Sea Food, Long Beach, Calif. 90812
Stewarts Feed Mill, Flat Lick, Ky. 40935	Verhoff Alfalfa Mills, Ottawa, Ohio 45875
F. W. Stock & Sons, Inc., Hillsdale, Mich. 49242	Vets Div. of Perk Foods Co., Chicago, Ill. 60610
Strid Grain Co., Green Bay, Wisc. 54306	Veterinary & Poultry Supply, Goshen, Ind. 46526
Strongheart Packing Co., Chicago, Ill. 60604	Vigortone Products Co., Cedar Rapids, Iowa 52406
Strongheart Products Co., Kansas City, Kan. 66110	Vistron Corp., Lima, Ohio 45802
Sturgis Milling Company, Sturgis, Ky. 42459	Vit-A-Way, Inc., Fort Worth, Texas 76106
Summer Shade Roller Mills, Summer Shade, Ky. 42166	Vita Plus Corp., Madison, Wisc. 53701
Sunshine Feed Mills, Inc., Red Bay, Alabama 35582	Vitamineral Products Co., Peoria, Illinois 61603
Sunshine Molasses Co., Somerset, Ky. 42501	V.M.S., Inc., Montgomery, Alabama. 36101
Super-Mol Div. Nat'l Molasses Co., Tampa, Fla. 33619	Vylactos Laboratories, Des Moines, Iowa 50313
Supreme Mills, Glasgow, Kentucky 42141	Wagner-Indoe, Inc., North Lawrence, Ohio 44666
D.B. Sutherland & Sons, Bloomfield, Ky. 40008	Warners Farm Supply, Somerset, Ky. 42501
Swift Edible Oil Co., Champaign, Ill. 61820	Watkins Products Co., Inc., Winona, Minn. 55987
Swift Grocery Products, Chicago, Ill. 60604	Watkins Products Co., Inc., Memphis, Tenn. 38102
Swift & Co., Animal Protein Plant, Evansville, Ind. 47710	Weisenberger Mills, Midway, Ky. 40347
T & H Feed Service, Lebanon, Kentucky 40033	Ralph Wells & Co., Monmouth, Ill. 61462
Taylor County Feed Co., Campbellsville, Ky. 42718	Westgate-California Foods, Inc., San Diego, Calif. 92112
Teater & Cassity, Nicholasville, Kentucky 40356	West Tennessee Soya Mill, Inc., Tiptonville, Tenn. 38257
Tennessee Farmers Cooperative, LaVergne, Tenn. 37086	Western Alfalfa Corp., Kansas City, Mo. 64141
Tennessee Valley Cotton Oil Mill, Decatur, Ala. 35601	Martha White, Inc., Nashville, Tenn. 37203
Thompson-Hayward Chemical Co., Waukegan, Ill. 60085	Martha White Mills of W. Va., Huntington, W. Va. 25706
Thompson & Nash, Inc., Shelbyville, Ky. 40065	Whitewater Flour Mills, Whitewater, Kansas 67154
Thorobred Co., Inc., Waynesville, Ohio 45068	Whitmer Co., Bowling Green, Ky. 42101
Thorofare Markets, Inc., Pittsburgh, Pa. 15230	Whitmoyer Laboratories, Inc., Myerstown, Pa. 17067
Thrifty Supplements, Rockford, Ohio 45882	John Whitt, Wrigley, Ky. 41477
Thurmonds Coal & Feed Co., Murray, Ky. 42071	Whiz Pet Food Co., Seattle, Wash. 98114
Mr. Toymaker Enterprises, Atlanta, Ga. 30318	George Wiedemann Brewing Co., Newport, Ky. 41071
Tractor Supply Company, Madison, Wisc. 53701	Willchemco, Inc., Tulsa, Oklahoma 74101
Tree City Specialists, Greensburg, Indiana 47240	R. L. Wiles Feed Mills, Inc., Nashville, Tenn. 37210
Trenton Oil Mill Co., Trenton, Tenn. 38385	Williamstown Roller Mill, Williamstown, Ky. 41097
Tri-Associates, Inc., Minneapolis, Minn. 55403	Wilson & Co., Inc., Chicago, Ill. 60601
Tri-County Farm Supply, Corbin, Ky. 40701	

## COMMERCIAL FEEDS IN KENTUCKY, 1971

## COMPANIES HAVING FEED REGISTERED, 1971

Wilson Enterprises, Inc., Colonial Heights,  
Va. 23834  
Winn Milling Co., Greensburg, Ky. 42743  
Woodford Feed Co., Versailles, Ky. 40383  
Xtra Factors, Inc., Ephrata, Pennsylvania  
17522

Yazoo Valley Oil Mill, Greenwood, Miss.  
38930  
Yopp Seed Co., Paducah, Kentucky 42001  
Yukon Mill & Grain Co., Yukon, Oklahoma  
73099  
Y-V Minerals, Inc., Greenwood, Indiana  
46142



## AVERAGE COMPOSITION OF THE MORE COMMON FEEDSTUFFS

Feedstuff	Protein	Fat	Fiber	Water	Ash
Alfalfa Leaf Meal	21.0	2.8	16.0	7.7	12.0
Alfalfa Meal	14.0	2.0	30.0	9.0	9.0
Barley	12.0	2.0	5.4	10.6	2.7
Barley Feed	13.5	3.5	8.7	9.3	4.9
Beet Pulp, Dried	9.2	0.5	19.8	9.9	3.4
Bone Meal, Steamed	7.5	1.2	1.5	5.7	81.3
Brewers Dried Grains	25.0	6.4	16.0	7.7	3.9
Buckwheat	11.0	2.5	10.0	12.0	1.9
Buttermilk, Dried	33.0	6.0	0.3	7.6	10.0
Buttermilk, Semi-Solid	13.4	3.0	0.0	65.0	2.7
Citrus Meal	5.9	3.1	11.5	9.9	6.9
Coconut Meal	20.5	8.0	10.0	9.5	6.5
Corn	8.0	3.9	2.0	15.0	1.2
Corn Bran	9.7	7.3	9.2	9.4	2.4
Corn and Cob Meal	7.0	3.5	8.0	14.1	1.5
Crushed Ear Corn & Shucks	7.0	3.0	10.6	11.0	1.8
Corn Chops	8.0	3.5	2.0	14.0	1.5
Corn Feed Meal	8.0	4.5	3.0	11.4	2.0
Corn Germ Meal	21.0	9.0	9.0	7.0	3.3
Corn Gluten Feed	25.5	2.7	7.6	9.1	6.3
Corn Gluten Meal	43.1	2.0	4.0	8.6	2.5
Cottonseed Meal	41.5	6.3	10.4	7.2	6.5
Cottonseed Meal Solvent	41.1	2.1	11.0	9.2	6.8
Distillers Dried Grains, Corn	26.1	8.8	12.8	7.1	2.5
Distillers Dried Grains, Rye	24.4	5.6	11.5	6.1	22.4
Distillers Dried Solubles	28.5	9.6	4.4	7.0	7.4
Fish Meal	60.9	6.8	0.9	7.1	17.6
Flaxseed	24.0	35.9	6.3	9.2	4.3
Flaxseed Screenings Oil Feed	25.0	7.1	11.7	8.1	7.8
Hominy Feed	11.2	6.9	5.2	9.6	2.9
Lespedeza Seed	36.6	7.6	9.6	8.3	5.1
Linseed Meal	35.4	5.8	8.2	9.0	5.6
Linseed Meal Solvent	36.6	1.0	9.3	9.6	5.6
Malt Sprouts	26.8	1.3	14.2	7.4	6.0
Meat Meal, 55%	55.8	9.3	2.1	6.1	25.4
Meat & Bone Meal, 50%	51.0	10.1	2.1	6.1	29.1
Molasses, Cane	3.0	0.0	0.0	25.7	6.1
Molasses, Beet	7.8	0.0	0.0	22.0	7.0
Oats	12.0	4.1	11.7	10.4	3.4
Oat Kernels	16.0	6.4	1.6	8.0	2.0
Oat Middlings	15.9	5.2	3.3	8.6	2.4
Peanut Kernels	30.4	47.7	2.5	5.4	2.3
Peanut Meal	43.5	7.6	13.3	7.0	5.2
Peanut Meal, Solvent	51.5	1.4	5.7	8.4	5.8
Peanut Skins	15.9	22.4	10.6	6.2	2.7
Rice Bran	12.5	12.5	12.5	9.0	9.5
Rye	11.8	1.8	1.8	9.4	2.0
Rye Middlings	16.6	3.4	5.2	9.8	3.8
Skimmed Milk, Dried	34.0	1.0	0.0	6.0	8.0
Sorghum Grains	9.5	3.4	2.0	12.0	1.9
Soybean (Seed)	36.5	17.5	4.3	9.9	5.3
Soybean Meal	42.0	4.0	6.0	9.1	6.0
Soybean Meal, Solvent	45.0	0.8	6.0	9.4	5.8
Meat Meal Tankage, 60%	60.6	8.5	2.0	6.9	20.2
Meat Meal Tankage with Bone, 50%	51.3	11.5	2.3	6.2	26.1
Wheat	10.5	1.7	2.8	10.2	1.9
Wheat Bran	15.0	3.0	11.0	10.1	6.0
Wheat Mill Run	13.5	3.5	7.5	10.1	5.2
Wheat Middlings	16.0	5.3	7.0	10.3	5.4

## AVERAGE COMPOSITION OF THE MORE COMMON FEEDSTUFFS, CONTINUED

Feedstuff	Protein	Fat	Fiber	Water	Ash
Wheat Shorts	17.2	4.2	6.0	10.5	4.4
Wheat Red Dog	16.0	3.5	3.0	8.5	2.6
Wheat Flour, Patent	10.9	1.3	0.4	12.3	0.5
Wheat Germ Meal	27.8	9.2	3.3	8.9	4.5
Grain Screenings (From Wheat)	10.5	1.7	2.8	9.6	4.6
Whey, Dried	12.2	0.8	0.2	6.5	9.9
Yeast Brewers, Dried	44.9	0.7	2.7	6.2	6.9
Yeast, Irradiated, Dried	48.7	1.1	5.5	6.4	6.4
<u>ROUGHAGES</u>					
Alfalfa Hay	14.5	2.3	29.7	8.6	8.6
Blue Grass Hay	8.2	2.5	29.8	10.5	6.5
Clover Hay, White	14.4	2.4	22.5	12.0	7.8
Clover Hay, Red	11.8	2.6	27.3	11.8	6.4
Corn Stover, Without Ear	5.9	1.6	30.8	9.4	5.8
Corn Stover, With Ear	7.8	2.2	27.1	8.9	6.4
Cowpea Hay	18.6	2.6	22.5	9.9	11.3
Fescue Hay	7.0	1.9	30.3	11.8	6.8
Lespedeza Hay	13.5	2.5	28.0	10.5	5.4
Soybean Hay	15.5	2.8	26.5	9.2	7.3
Timothy Hay	6.2	2.5	29.8	11.6	4.9
<u>FILLERS</u>					
Alfalfa Stem Meal	11.5	1.3	36.3	9.0	7.1
Corn Cob	2.3	0.4	32.1	9.6	1.6
Corn Husk or Shuck	3.4	0.9	28.2	15.0	2.9
Cottonseed Hulls	3.9	1.0	45.5	9.7	2.7
Flax Plant By-Products	6.4	2.1	44.4	8.1	5.9
Oat Mill By-Products	5.6	1.8	27.9	7.6	6.3
Oat Hull Feed	3.5	1.5	32.5	7.6	5.6
Oat Hulls	3.0	1.0	35.0	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 1947-1971

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	-----	-----
Distillery Screenings	6.7	1.99	7.66
Fescue Silage	2.8	1.3	8.9
Grain Screenings	10.2	4.55	5.69
Honeysuckle	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

## UREA

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

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

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

Urea, when used as an ingredient in feeds sold in Kentucky is shown in the guaranteed analysis as follows:

Crude Protein, Not less than \_\_\_\_\_ %  
 This includes not more than \_\_\_\_\_ %  
 of equivalent crude protein from  
 non-protein nitrogen

Crude Fat, Not less than \_\_\_\_\_ %

Crude Fiber, Not more than \_\_\_\_\_ %

One percent of "262 Feed Compound" would be 2.62% equivalent protein from non-protein nitrogen. Urea should be shown as an ingredient under "Ingredients".

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

Horses, swine, dogs, and other single-stomach animals are unable to utilize urea. If used in large quantities, it may be toxic to such animals.

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

CAUTION: USE AS DIRECTED

On labels such as those for medicated feeds which bear adequate feeding directions and/or warning statements, the presence of added non-protein nitrogen products shall require neither additional feeding directions nor the customary non-protein nitrogen warning statement.



## CHANGES IN PRODUCT NAMES

<u>NEW NAME</u>	<u>OLD NAME</u>
Soybean Meal	Soybean Oil Meal
Linseed Meal	Linseed Oil Meal
Meat Meal	Meat Scraps
Meat Meal Tankage	Tankage or Digester Tankage
Wheat Middlings	Wheat Standard Middlings
	Wheat Gray Middling
Wheat Shorts	Wheat Brown Shorts
	Wheat Gray Shorts
	Wheat White Shorts
Wheat Mill Run	Wheat Mixed Feed
Wheat Germ Meal	Wheat Germ Oil Meal
Oat Hulls	Oak Mill By-Products (If fiber is over 22%)
Rye Mill Run	Rye Feed
Rye Flour Middlings	Rye Middlings
Soybean Mill Feed	Soybean Mill Product
Vitamin A Oil	Vitamin A Feeding Oil
Vitamin D Oil	Vitamin D Feeding Oil
Vitamin A & D Oil	Vitamin A & D Feeding Oil
Cane Molasses	Molasses
Corn Sugar Molasses	
Beet Molasses	
Citrus Molasses	
BHA (A Preservative)	Butylated Hydroxyanisole (A Preservative)
BHT (A Preservative)	Butylated Hydroxy Toluene (A Preservative)

## THE MEDICATED FEED LABEL

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. It is also to be used 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 should be precise and simple.
3. Active drug ingredients (list of common names-not 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 (including antibiotics), on the label only in those cases where a dosage is given as "milligrams per day" in the feeding directions. Note that the 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

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1971

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
A-L Farm Service, Lawrenceburg, Ky. 40342	1	1	
Albany Mills, Albany, Kentucky 42602	2	2	
Albers Milling Co., Los Angeles, Calif. 90036	1	1	
Alexs Agri-Supply Co., Louisville, Ky. 40206	1	1	
Allen Products Co., Inc., Allentown, Pa. 18104	8	6	2
Allied Chemical Corp., Omaha, Nebraska 68124	3	1	2
Allied Chemical Corp., New York, N.Y. 10006	1	1	
Allied Chemical Corp., Hopewell, Va. 23860	3	3	
Allied Foods, Inc., Atlanta, Georgia 30318	10	10	
Allied Mills, Inc., Libertyville, Ill. 60048	106	98	8
American Crystal Sugar Co., Denver, Colo. 80202	1	1	
American Pet Foods Co., Birmingham, Alabama 35223	1	1	
Anderson Farm Service, Lawrenceburg, Ky. 40342	2	2	
Anderson and Spilman, Danville, Kentucky 40422	14	12	2
Anglo Sweet Feed Mill, Inc., Owensboro, Ky. 42301	20	20	
Armour-Dial, Inc., Chicago, Illinois 60606	5	5	
Ashland Milling Co., Inc., Ashland, Ky. 41101	3	2	1
Astor Products, Inc., Jacksonville, Fla. 32201	3	2	1
Aubrey Feed Mills, Inc., Louisville, Ky. 40204	131	126	5
Auburn Mills, Inc., Auburn, Kentucky 42206	1	1	
Bagdad Roller Mills, Bagdad, Kentucky 40003	20	12	8
Baltz Bros. Packing Co., Nashville, Tenn. 37210	3	2	1
Bardstown Mills, Bardstown, Kentucky 40004	7	7	
Barton Brands, Inc., Bardstown, Kentucky 40004	1	1	
Bay State Milling Co., Winona, Minn. 55987	1	1	
Birdwells Mill, Mt. Washington, Kentucky 40047	1	1	
Bisset Farm Supply, Harrodsburg, Ky. 40330	11	9	2
Blue Barn Dog Food Co., New Albany, Ind. 47150	5	5	
Bobb Bros., Leesburg, Ohio 45135	1		1
Boones Feed Store, Stanford, Kentucky 40484	3	3	
Bow Wow Company, Inc., Rolla, Missouri 65401	1	1	
Bremco Mills, New Bremen, Ohio 45869	2	2	
Browder Milling Co., Inc., Fulton, Kentucky 42041	4	4	
Brown Molasses Co., Bremen, Indiana 46506	1	1	
Bryant & Crume Milling Co., Caneyville, Ky. 42721	7	7	
Buckeye Cellulose Corp., Cincinnati, Ohio 45201	7	7	
Buckeye Cellulose Corp., Memphis, Tenn. 38101	2	2	
Bugg Bros Feed and Supply, Clinton, Ky. 42031	1	1	
L. Bunnell and Son, Horse Cave, Kentucky 42749	1	1	
Bush Bros. and Company, Clinton, Tenn. 37716	3	3	
A. C. Butts and Sons, Fulton, Kentucky 42041	3	3	
CPC Int'l, Inc., Englewood Cliffs, N.J. 07632	1	1	
Cadiz Milling Co., Cadiz, Kentucky 42211	7	7	
Camerican Int'l Inc., New York, N.Y. 10016	1	1	
Campbellsville Milling Co., Campbellsville, Ky. 42718	4	4	
Caneyville Roller Mill Co., Caneyville, Ky. 42721	2	2	
Cardinal Food Products, Inc., St. Louis, Mo. 63103	1	1	
Cargill Nutrena Feed Div., Minneapolis, Minnesota 55402	26	22	4
Carroll Co. Farm Bureau Coop., Carrollton, Ky. 41008	1	1	
Carnation Company, Los Angeles, California 90036	28	25	3
Caverna Farm Service, Horse Cave, Kentucky 42749	1	1	
Central Soya Co., Inc., Ft. Wayne, Indiana 46802	134	122	12
Champion Valley Farms, Camden, N.J. 08101	1	1	
Cobbs Feed and Grain Co., Marion, Kentucky 42064	7	6	1
H. C. Cole Milling Co., Chester, Illinois 62233	3	3	
Community Feed Mill, Belton, Kentucky 42324	3	2	1
Consolidated Mills, Inc., Blissfield, Mich. 49228	3	3	
Cooperative Mills, Inc., Cincinnati, Ohio 45215	5	5	
Craft Feed and Grain, Catlettsburg, Ky. 41129	2	2	
Crescent Roller Mills, Taylorsville, Ky. 40071	7	7	
Cudahy Company, Harrodsburg, Ky. 40330	1	1	
Cudahy Company, Phoenix, Arizona 85201	1	1	



TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1971

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
Custom Feed Mills, Morganfield, Kentucky 42437	15	13	2
Day and Day Feed Mill, Columbia, Kentucky 42728	1	1	
Dearborn Mills, Aurora, Indiana 47001	5	4	1
Dicken Mill, Mentor, Kentucky 41060	2	2	
Dixie Mills Company, East St. Louis, Ill. 62202	11	7	4
Doane Products Co., Joplin, Missouri 64801	2	2	
Duncan-McFarland Farm Service, Lawrenceburg, Ky. 40342	4	4	
F. L. Emmert Co., Inc., Cincinnati, Ohio 45214	6	1	5
John W. Eshelman & Sons, Lancaster, Pa. 17604	10	9	1
Falstaff Brewing Corp., St. Louis, Missouri 63110	4	4	
Famous Feed Mills, Nashville, Tennessee 37201	2	2	
Farm Service Center, Beaver Dam, Kentucky 42320	3	3	
Farm Services, Inc., Glasgow, Kentucky 42141	1	1	
Farmers Elevator Feed Div., Franklin, Ky. 42134	1	1	
Farmers Milling Company, Somerset, Kentucky 42501	4	3	1
Farmers Supply Co., Springfield, Kentucky 40069	4	2	2
Farmers Supply & Produce Co., Monticello, Ky. 42633	4	4	
Farmers Supply Store, Inc., Leitchfield, Ky. 42754	1	1	
Farmland Industries, Inc., Kansas City, Mo. 64116	4	3	1
Feed Service Corp., Crete, Nebraska 68333	1	1	
Field Packing Co., Inc., Owensboro, Ky. 42301	3	1	2
Fischer Packing Co., Louisville, Kentucky 40201	10	7	3
Folsomdale Milling Co., Boaz, Kentucky 42027	3	2	1
Foster Canning, Inc., Napoleon, Ohio 43545	3	3	
Frosty Morn Meats, Clarksville, Tennessee 37041	1		1
Henry Fruechtenicht Co., Inc., Louisville, Ky. 40202	109	105	4
Fruen Milling Co., Minneapolis, Minnesota 55403	4	4	
Gallatin Co. Farm Supply, Warsaw, Kentucky 41095	3	1	2
Gallia Roller Mills, Gallipolis, Ohio 45631	1	1	
Garrard Mills, Lancaster, Kentucky 40444	1	1	
J. I. Gates Milling Company, Columbus, Ohio 45631	6	5	1
General Foods Corp. Gaines Prof. Serv., White Plains, N.Y. 10602	5	4	1
General Mills, Inc., Minneapolis, Minn. 55440	1	1	
General Packing Co., Waynesville, Ohio 45068	2	2	
Germantown Milling Co., Germantown, Ky. 41044	2	2	
Gilster Milling Co., Chester, Illinois 62233	1	1	
Glenmore Distilleries Co., Owensboro, Ky. 42301	1	1	
Goldenrod Oil Mill Sales Co., Memphis, Tenn 38101	1	1	
Gooch Feed Mill Co., Lincoln, Nebraska 68501	2	2	
The Great A & P Tea Co., Inc., Brockport, N.Y. 14420	5	5	
Greek & Son Canning, Sandoval, Illinois 62882	1	1	
Green Co. Milling Co., Greensburg, Ky. 42743	4	4	
Hardin Co. Milling Co., Elizabethtown, Ky. 42701	1	1	
Hardin Feed Mill, Hardin, Ky. 42048	2	2	
Hardy Bros. Mills, Walton, Kentucky 41094	1	1	
Harrodsburg Farm Services, Harrodsburg, Ky. 40330	10	10	
Hartz Mountain Products, New York, N.Y. 10003	1	1	
Harvest Brand, Inc., Pittsburg, Kansas 66762	8	8	
Haydon Mill & Grain Co., Springfield, Ky. 40069	6	5	1
Hayward, Inc., Oak Harbor, Ohio 43449	1	1	
Heaven Hill Distilleries, Bardstown, Ky. 40004	9	9	
Dr. Heinz Co., Bloomingburg, Ohio 43106	4	4	
Burch Hester Feed Store, Hustonville, Ky. 40437	3	3	
Hi-Life Packing Co., Chicago, Illinois 60603	1	1	
Hills Division Riviana Foods, Topeka, Kans. 66601	2	2	
Hobbs Feed and Supply, Fancy Farm, Kentucky 42039	1	1	
Home Milling Company, Greensburg, Kentucky 42345	2	2	
Honeggers and Co., Inc., Fairbury, Illinois 61739	12	11	1
Hopkinsville Milling Co., Hopkinsville, Ky. 42240	2	2	
The Hyland Co., Ashland, Kentucky 41101	7	6	1

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1971

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
Iglehart Operations, Post Div., Evansville, Ind. 47707	7	7	
Illinois Cereal Mills, Inc., Paris, Ill. 61944	1	1	
International Multifoods Corp., Minneapolis, Minn. 55415	27	27	
International Sugar Feed Co., Minneapolis, Minn. 55406	1	1	
I. S. Joseph Co., Inc., Minneapolis, Minn. 55415	1	1	
Kal Kan Foods, Inc., Los Angeles, Calif. 90058	3	3	
Kaler Milling Co., Symsonia, Ky. 42082	4	4	
Kalmbach Feeds, Inc., Upper Sandusky, Ohio 43351	1	1	
Keco Milling Co., McKenzie, Tennessee 38201	3	3	
Kennett Oil Mill, Kennett, Missouri 63857	1	1	
Ky. Animal Products Co., Russellville, Ky. 42276	1		1
Ky. By-Products Corp., Louisville, Kentucky 40211	31	22	9
Ky. Chemical Industries, Cincinnati, Ohio 45232	1		1
Kingston Farmers Exchange, Inc., Kingston, Ohio 45644	3	3	
Ed G. Koehl, Inc., Reading, Ohio 45215	1	1	
Kraft Foods Co., Chicago, Illinois 60612	1	1	
Kroger Co., Cincinnati, Ohio 45202	5	5	
Land O'Lakes Creameries, Inc., Minneapolis, Minn. 55413	1	1	
Lauhoff Grain Co., Danville, Illinois 61832	1	1	
Le Grande Feed Mill, Horse Cave, Kentucky 42749	1	1	
Lewisburg Roller Mills, Lewisburg, Kentucky 42256	2	2	
Lilly Bros. Seed Co., Hopkinsville, Ky. 42240	2	2	
Lipton Pet Foods, Inc., Woburn, Mass. 01801	2	2	
Livestock Industries, Inc., Park City, Ky. 42160	49	45	4
Lowes Feed and Hatchery, Bowling Green, Ky. 42101	17	12	5
M & W Milling Co., Inc., Columbia, Kentucky 42728	5	5	
Mavar Shrimp & Oyster Co., Biloxi, Miss. 39530	2	2	
Mayes-Helm and Coyle, Perryville, Kentucky 40468	2	2	
Mayfield Milling Co., Inc., Mayfield, Ky. 42066	11	10	1
Mayfield Sweet Feed Mill, Mayfield, Ky. 42066	9	9	
McCauley Bros. Seed Co., Inc., Versailles, Ky. 40383	8	8	
McCahan and Company, Paintsville, Kentucky 41240	5	4	1
Meadows Feed & Bldg. Supply, Clay City, Ky. 40312	2	2	
Medley Distilling Co., Owensboro, Kentucky 42301	1	1	
Mid-South Feeds Inc., Nashville, Tennessee 37209	10	10	
Mid-State Molasses Co., Franklin, Tenn. 37046	2	1	1
Middlesboro Milling Co., Middlesboro, Ky. 40965	1	1	
Midget Mills, Somerset, Kentucky 42501	2		2
Monarch Milling Co., Mt. Sterling, Ky. 40353	1	1	
Moorman Manufacturing Co., Quincy, Ill. 62301	31	27	4
Morgan Packing Co., Inc., Austin, Ind. 47102	2	2	
John Morrell & Company, Chicago, Illinois 60604	3	3	
Morrison Farm Supply, Hodgenville, Ky. 42748	2	2	
Mullican Feed Mill, Stanley, Kentucky 42375	4	4	
Murphy Grain Co., Owensboro, Kentucky 42301	1	1	
Henry Nagel and Son, Cincinnati, Ohio 45214	2	2	
Nashville Oil Mill Corp., Nashville, Tenn. 37202	7	7	
National Biscuit Company, Toledo, Ohio 43603	3	3	
National Molasses Co., Willow Grove, Pa. 19090	10	9	1
National Oats Co., East St. Louis, Illinois 62205	6	6	
Charles Nunn & Sons Milling, Evansville, Ind. 47712	13	13	
Orleans Packing Co., Chicago, Illinois 60603	2	2	
Owensboro Grain Co., Inc., Owensboro, Ky. 42301	58	58	
Owensboro Milling Co., Owensboro, Kentucky 42301	37	26	11
Pan American Mills, Bowling Green, Ky. 42101	25	21	4
Pan Pacific Fisheries, Inc., Terminal Island, California 90731	1	1	
Pierce and Williams, Hopkinsville, Kentucky 42240	8	6	2
Pillsbury Co., Minneapolis, Minnesota 55402	1	1	



TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1971

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
Pioneer Farm Service, Owensboro, Kentucky 42301	2	2	
Pioneer Food Industries, De Witt, Arkansas 72042	1	1	
Planters Manuf. Co., Clarksdale, Miss. 38614	3	3	
Planters Oil Mill, Tunica, Miss. 38676	2		2
Princeton Mills, Princeton, Kentucky 42445	7	6	1
Prison Industries, La Grange, Kentucky 40031	11	11	
Proviso Feeds & Concentrates, Botkins, Ohio 45306	3	3	
Quaker Oats Co., Chicago, Illinois 60654	12	11	1
Quincy Soybean Company, Quincy, Illinois 62301	3	3	
Ragland Mills, Inc., Neosho, Missouri 64850	1	1	
C. B. Ragland Co., Nashville, Tennessee 37211	1	1	
Ralston Purina Co., St. Louis, Missouri 63199	440	391	49
Raymondville Cotton Oil Co., Raymondville, Tex. 78580			
	1	1	
Reelfoot Packing Co., Union City, Tennessee 38261	1	1	
Rico Liquids, Inc., Aliceville, Alabama 35442	6	6	
Ringgold Milling Co., Clarksville, Tenn. 37042	1	1	
Rival Pet Foods, Chicago, Illinois 60632	4	4	
Riverside Industries, Inc., Marks, Miss. 38646	4	3	1
Robertson Corporation, Seymour, Ind. 47274	4	4	
Allen Robertson & Co., Louisville, Ky. 40202	7	5	2
Robinson Grain Co., Hickman, Kentucky 42050	4	2	2
Robinson Milling Co., Somerset, Kentucky 42501	11	11	
G. P. Rose & Co., Inc., Nashville, Tenn. 37211	2	2	
W. M. Rudy & Son, Bandana, Kentucky 42022	1	1	
Russell Springs Milling Co., Russell Springs, Ky. 42642			
	1	1	
Sandusky Mill, Harrodsburg, Kentucky 40330	5	5	
Charles H. Schenck & Sons, Vincennes, Ind. 47591	3	3	
Scott County Milling Co., Sikeston, Mo. 63801	11	11	
Security Mills Inc., Knoxville, Tenn. 37901	8	8	
Sebree Feeds & Grain Co., Sebree, Kentucky 42455	2	2	
Siemer Milling Co., Teutopolis, Illinois 62467	1	1	
Sikeston Cotton Oil Mill, Sikeston, Mo. 63801	2	2	
Simpsons Milling Co., Waynesburg, Kentucky 40489	1	1	
Southern Cotton Oil Co., Inc., New Orleans, La. 70112			
	1	1	
Southern Cotton Oil Co., Inc., Memphis, Tenn. 38104	8	8	
Southern States Campbellsville Coop., Campbellsville, Kentucky 42718	2	2	
Southern States Harrodsburg, Harrodsburg, Ky. 40330	1	1	
Southern States Hopkinsville Coop., Hopkinsville, Kentucky 42240	1	1	
Southern States Lebanon Coop., Lebanon, Ky. 40033	2	2	
Southern States Coop., Baltimore, Md. 21203	236	225	11
Southern States Coop., Richmond, Va. 23213	3	3	
Woodford Spears & Sons, Paris, Kentucky 40361	3	3	
Spencer Farm Service, Taylorsville, Ky. 40071	3	3	
Spencer Kellogg, Buffalo, N.Y. 14240	2		2
A. E. Staley Manufacturing, Decatur, Ill. 62525	15	15	
Star-Kist Foods, Inc., Terminal Island, Calif. 90730			
	5	4	1
Strongheart Products Co., Kansas City, Mo. 66110	3	3	
Sturgis Milling Co., Sturgis, Kentucky 42459	12	9	3
Summerville Feed Mill, Summerville, Ky. 42782	1	1	
Super-Mol Div., Nat'l Molasses Co., Tampa, Fla. 33619	20	8	12
Supreme Mills, Glasgow, Kentucky 42141	30	27	3
D. B. Sutherland & Sons, Bloomfield, Ky. 40008	15	11	4
Swift Edible Oil Company, Champaign, Ill. 61820	1	1	
Swift Grocery Products Co., Chicago, Ill. 60604	1	1	
Swift & Co., Animal Protein Plant, Evansville, Indiana 47710	5	2	3

TABLE 1 REPORT OF OFFICIAL FEED SAMPLES ANALYZED, 1971

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 40033	1	1	
Tabor Enterprises, Columbia, Kentucky 42728	2	2	
Taylor Co. Feed Co., Campbellsville, Ky. 42718	5	5	
Teater & Cassity, Nicholasville, Kentucky 40356	3	3	
Tenn. Valley Cotton Oil Mill, Decatur, Ala. 35601	6	6	
Thorobred Company, Inc., Waynesville, Ohio 45068	3	3	
Tri-Associates, Inc., Minneapolis, Minn. 55403	1	1	
Triple F Feeds, Des Moines, Iowa 50322	1	1	
Tupelo Oil Mill, Tupelo, Mississippi 38801	2	2	
Usen Products Co., Woburn, Mass. 01801	2	2	
Verhoff Alfalfa Mills, Ottawa, Ohio 45875	1		1
Vets Div. of Perk Foods Co., Chicago, Ill. 60601	5	5	
Vigortone Products Co., Cedar Rapids, Iowa 52406	1		1
Vita-A-Way, Inc., Ft. Worth, Texas 76106	1	1	
Vylactos Laboratories, Inc., Syracuse, Ind. 46567	2	2	
Vylactos Laboratories, Inc., Des Moines, Iowa 50313	12	11	1
Watson Milling Co., Taylorsville, N.C. 28681	1	1	
Weisenbergers Mills, Midway, Kentucky 40347	5	5	
West Tenn. Soya Mill, Inc., Tiptonville, Tenn. 38257	20	20	
Western Alfalfa Corp., Kansas City, Mo. 64112	1	1	
Whitewater Flour Mills, Whitewater, Kans. 67154	2	2	
Whiz Pet Food Co., Seattle, Washington 98119	1		1
Geo. Wiedemann Brewing Co., Newport, Ky. 41071	3	3	
R. L. Wiles Feed Mills, Inc., Nashville, Tenn. 37210	9	6	3
Williamstown Roller Mill, Williamstown, Ky. 41097	5	5	
Winn Milling Co., Greensburg, Ky. 42743	5	4	1
Yazoo Valley Oil Mill, Inc., Greenwood, Miss. 38930	1	1	
Y-V Minerals, Inc., Greenwood, Ind. 46142	2		2
	2451	2208	243
		90%	10%



Samples are shown as "not passed" in Table 2 when extremely deficient or excessively above guarantee 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 :	±40%
Oxytetracycline, Penicillin, Chlortetracycline :	±50%
Phenothiazine, Sulfamethazine, Furazolidone, Arsanilic Acid, 3-Nitro-4-hydroxyphenyl Arsonic Acid, Piperazine, Nitrofurazone, Zoalene :	±40%
Tylosin :	±30%

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

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Allen Products Co., Inc., Allentown, Pa. 18104 Alpo Trio Beef-Chicken-Liver for Dogs Alpo Chicken & Chicken Parts for Dogs	Crude Fat 7.0% Crude Fat 8.0%	13.1% 15.8%
Allied Chemical Corp., Omaha, Nebraska 68124 Compensator PR-Z Liquid Feed Supplement Compensator PR-Z Liquid Feed Supplement	N.P.N. 30.0% Sugar, Invert 25.0%	32.4% 21.7%
Allied Mills Inc., Libertyville, Ill. 60048 Wayne 32% Pro-Sweet Topper		contained rice hulls not listed as an ingredient
Wayne 50% High Flow Mixer Special M Wayne Inter-Phase Layer Mixer Wayne Pullet Developer Ration-Medicated M-59 Wayne 42% Dari-Blen Wayne Calf Supplement-Medicated M-L1 Wayne 42% Dari-Blen Wayne Tail Curler Mixer Medicated M-M4	Crude Protein 50.0% Crude Protein 35.0% Amprolium 0.008% N.P.N. 19.0% Chlortetracycline 100 gm/T N.P.N. 19.0% Sulfamethazine 0.037%	28.9% 41.1% 0.0042% 21.4% 34.5 gm/T 21.9% 0.0204%
Anderson & Spilman, Danville, Kentucky 40422 Dependable 40% Hog Supplement Medicated Natural Protein 16% Dairy Feed	Arsanilic Acid 0.05% Crude Protein 16.0%	0.0% 12.4%
Ashland Milling Co., Inc., Ashland, Ky. 41101 24% Mi Choice Dairy Feed	Crude Protein 24.0%	20.7%
Astor Products, Inc., Jacksonville, Fla. 32203 Click Cat Food	Crude Protein 12.0%	9.8%
Aubrey Feed Mills, Inc., Louisville, Ky. 40204 "Red A" Broiler Finisher, Pellets Medicated "Red A" 44% Dairy Supplement "Red A" 44% Dairy Supplement "Red A" 44% Dairy Supplement Mix Mo-Lass	Amprolium 0.0125% Crude Protein 44.0% Crude Protein 44.0% Crude Protein 44.0% Sugar, Invert 42.0%	0.0023% 41.8% 41.4% 37.6% 37.3%
Bagdad Roller Mills, Bagdad, Ky. 40003 Rocket Age 45% Ruminant Concentrate Rocket Age 45% Ruminant Concentrate Rocket Age 45% Ruminant Concentrate Rocket Age 45% Ruminant Concentrate Rocket Age Lay Ration Rocket Age Lay Ration Rocket Age 16% Shoat Grower, Medicated Rocket Age 16% Shoat Grower, Medicated Rocket Age Special Calf Starter & Grower	Crude Protein 45.0% N.P.N. 22.0% Crude Protein 45.0% N.P.N. 22.0% Arsanilic Acid 0.01% Arsanilic Acid 0.01% Penicillin 2.5 gm/T Arsanilic Acid 0.01%	36.8% 24.7% 53.1% 27.5% 0.0021% 0.02% 10.4 gm/T 0.029% contained unground weed seeds
Baltz Bros. Packing Co., Nashville, Tenn. 37201 Real Meal Dog Food	Crude Fat 3.0%	9.9%
Bisset Farm Supply, Harrodsburg, Ky. 40330 Bisset Dairy Mix Bisset Hog Mix	Crude Fat 5.0% Crude Protein 14.0%	2.8% 11.7%
Bobb Bros., Leesburg, Ohio 45135 Yellow Corn Feed Meal	Crude Fat 4.0%	1.95%
Cargill Nutrena Feed Div., Minneapolis, Minn. 55402 Nutrena CLS Liquid Supplement-32 Nutrena Sweet-Flow 41 Dairy Concentrate (K) Nutrena Sweet-Flow 41 Dairy Concentrate (K) Nutrena Hog Wormer (V) Medicated Pellets	Crude Protein 32.0% Crude Protein 41.0% Crude Protein 41.0% Piperazine 0.21%	37.4% 37.7% 46.3% 0.10%
Carnation Company, Los Angeles, Calif. 90036 Friskies Giblets & Turkey Parts Friskies Kidney & Chicken Parts Cat Food	Crude Fat 5.0% Crude Fat 5.0%	10.9% 10.8%



TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Friskies Turkey Parts & Bacon Cat Food	Crude Fat 7.0%	14.3%
Central Soya Co., Inc., Ft. Wayne, Ind. 46802		
Master Mix 50% Milk Master 675	Crude Protein 50.0%	46.4%
Master Mix 50% Milk Master 675	N.P.N. 26.0%	29.9%
Master Mix Cattle Blend Concentrate	Crude Protein 32.0%	37.3%
Master Mix Cattle Blend Concentrate	N.P.N. 20.0%	23.8%
Master Mix Taste Ets Pre-Starter Med. 801-82A	Crude Protein 20.0%	17.9%
Master Mix Taste Ets Pre-Starter Med. 801-82A	Chlortetracycline 100 gm/T	49.9 gm/T
Master Mix Taste Ets Pre-Starter Med. 801-82A	Pencillin 50.0 gm/T	24.4 gm/T
Master Mix 38% Milk Master Concentrate 671	Crude Protein 38.0%	32.3%
Master Mix 38% Milk Master Concentrate 671	N.P.N. 13.2%	16.0%
Master Mix 16% Dairy Master 644	Crude Protein 16.0%	21.7%
Master Mix Taste Ets Pre-Starter Med. 801-82A	Pencillin 50 gm/T	24.2 gm/T
Master Mix Pig Master Concentrate Med. 862-99P	Arsanilic Acid 0.067%	0.0%
Master Mix 42% Pig Master Concentrate 862	Crude Protein 42.0%	39.3%
Master Mix 42% Pig Master Concentrate 862-99P Med	Pencillin 15 gm/T	7.4 gm/T
Cobbs Feed & Grain Co., Marion, Ky. 42064		
Cobbs 40% Pig Balancer No. 2 Medicated	Pencillin 21.6%	9.3%
Community Feed Mill, Belton, Ky. 42324		
Johnson's 16% Dairy Feed	Crude Protein 16.0%	13.7%
Custom Feed Mill, Morganfield, Ky. 42437		
C.M. 75% Beef Supplement	Crude Protein 75.0%	67.3%
C.M. 75% Beef Supplement	Crude Protein 75.0%	67.9%
Dearborn Mills, Aurora, Indiana 47001		
Dearborn 40% Pig & Hog Supplement Medicated	Pencillin 9.0 gm/T	3.5 gm/T
Dixie Mills Co., East St. Louis, Ill. 62202		
Dixie 42% Dairy Mixer, Medicated	Crude Protein 42.0%	28.0%
Dixie 42% Dairy Mixer, Medicated	Crude Protein 42.0%	38.9%
Dixie 42% Dairy Mixer, Medicated	N.P.N. 22.0%	24.4%
Dixie Pig Creep 250 Pellets, Medicated	Pencillin 50.0 gm/T	17.4 gm/T
F. L. Emmert Co., Inc., Cincinnati, Ohio 45214		
Molasso-Malt	Crude Protein 24.0%	19.6%
Molasso-Malt	Crude Protein 24.0%	21.9%
Molasso-Malt	Crude Protein 24.0%	21.0%
Molasso-Malt	Crude Protein 24.0%	21.2%
Brewers Dried Grains	Crude Fat 5.0%	2.52%
John W. Eshelman & Sons, Lancaster, Pa. 17604		
Red Rose 50 Beef Cattle Supplement 07704	Crude Protein 50.0%	55.1%
Farmers Milling Co., Somerset, Kentucky 42501		
Farmers 12% Dairy Feed	Crude Protein 12.0%	8.9%
Farmers Supply Co., Springfield, Kentucky 40069		
14% Dairy Feed	Crude Protein 14.0%	11.9%
14% Dairy Feed	Crude Protein 14.0%	11.7%
Farmland Industries, Inc., Kansas City, Mo. 64116		
Coop Feedlot 55-48 Concentrate (M) Medicated	Crude Protein 55.0%	52.6%
Field Packing Co., Owensboro, Ky. 42301		
Fields 50% Protein Meat Meal	Crude Protein 50.0%	56.9%
Fields 50% Protein Meat Meal	Crude Protein 50.0%	56.6%
Fischer Packing Co., Louisville, Ky. 40201		
Fischers 60% Protein Meat Meal Tankage	Crude Protein 60.0%	67.5%
Fischers 60% Protein Meat Meal Tankage	Crude Protein 60.0%	57.1%
Fischers 60% Protein Meat Meal Tankage	Crude Protein 60.0%	55.2%
Folsomdale Milling Co., Boaz, Kentucky 42027		
Folsomdale Special 16% Dairy Feed	Crude Protein 16.0%	14.4%

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MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Frosty Morn Meats, Clarksville, Tenn. 37041 50% Meat & Bone Meal	Crude Protein 50.0%	59.0%
Henry Fruechtenicht Co., Inc., Louisville, Ky. 40202 Producer Calf Balancer Medicated Producer 40% Pig & Hog Supplement Producer 20% Starter & Grower, Medicated Producer 24% Dairy Feed	Chlortetracycline 50.0 gm/T Crude Protein 40.0% Zoalene 0.0125% Crude Protein 24.0%	5.4 gm/T 36.0% 0.0176% 21.7%
Gallatin Co. Farm Service, Warsaw, Ky. 41095 Halls 16% Special Dairy Halls 16% Special Dairy	Crude Protein 16.0% Crude Protein 16.0%	13.3% 13.6%
J. I. Gates Milling Co., Columbus, Ohio 43223 Well Maid Sweet Feed	Crude Protein 24.0%	20.5%
General Foods Corp., Gaines Prof. Services White Plains, New York 10602 Gaines Prime Dog Food	Crude Fat 7.0%	12.2%
Haydon Mill & Grain Co., Springfield, Ky. 40069 Magic Growing Mash Crumbles, Medicated	Zoalene 0.01%	0.0044%
Honeggers & Co., Fairbury, Ill. 61739 Pig Popper Mixing Blend-295	Crude Protein 15.0%	20.3%
Ky. Animal By-Products, Russellville, Ky. 42276 Blue Ribbon Brand 50% Meat & Bone Meal	Crude Protein 50.0%	45.1%
Ky. By-Products Corp., Louisville, Ky. 40211 Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass Dri-Molass	Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Crude Fiber 12.0% Crude Fiber 12.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Crude Fiber 12.0% Crude Fiber 12.0% Crude Fiber 12.0%	37.0% 35.4% 36.6% 14.5% 16.8% 36.3% 37.5% 14.7% 16.5% 14.4%
Kentucky Chemical Industries, Cincinnati, Ohio 45232 K. C. Brand 50% Meat & Bone Meal	Crude Protein 50.0%	47.2%
Livestock Industries, Inc., Park City, Ky. 42160 Life Pig Grower Medicated Life Dairy Fifty Life Dairy Fifty Master Mode 16% Dairy Pellets	3-Nitro-4 0.0025% Crude Protein 50.0% Crude Protein 50.0% Crude Protein 16.0%	0.0053% 56.7% 57.2% 23.1%
Lowes Pellets & Grain, Inc., Greensburg, Ind. 47240 Lowes Race-N-Win Horse Feed 632	Crude Protein 11.0%	18.0%
Lowes Feed & Hatchery, Bowling Green, Ky. 42101 Lowes Pig Gro Medicated Lowes Pig Starter Medicated Lowes 42% Pig Concentrate Medicated Lowes 42% Pig Concentrate Medicated Lowes 42% Pig Concentrate Medicated	Arsanilic Acid 0.01% Crude Protein 18.0% Crude Protein 42.0% Pencillin 17.5 gm/T Pencillin 17.5 gm/T	0.0% 11.3% 39.0% 6.5 gm/T 8.6 gm/T
Mayfield Milling Co., Inc., Mayfield, Ky. 42066 Gro Fast Hog Wormer Pellets	Crude Protein 16.0%	22.2%
McGahan & Co., Paintsville, Ky. 41240 Pig & Hog Feed	Crude Protein 18.0%	15.5%
Mid State Molasses Co., Franklin, Tenn. 37046 Mid State Dry Molasses	Sugar, Invert 42.0%	37.3%



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MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Midget Mills, Somerset, Ky. 42501 16% Cumberland Mixed Feed 16% Cumberland Mixed Feed	Crude Protein 16.0% Crude Protein 16.0%	13.1% 13.8%
Moorman Manuf. Co., Quincy, Illinois 62301 Moormans Premix-trate 80 for Dairy Cows 415M Moormans Premix-trate 80 for Dairy Cows 415M Moormans Roughage Buster 100 (Red) Moormans Roughage Buster 100 (Red)	Crude Protein 80.0% Crude Protein 80.0% Crude Protein 100.0% Crude Protein 100.0%	87.6% 44.5% 97.1% 105.0%
National Molasses Co., Willow Grove, Pa. 19090 Mol Mix-32	Crude Protein 32.0%	29.4%
Owensboro Milling Co., Owensboro, Ky. 42301 Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Trutest #410 36% Pig & Sow Concentrate Medicated Maxi-Lass Dried Molasses Maxi-Lass Dried Molasses Maxi-Lass Dried Molasses Maxi-Lass Dried Molasses Maxi-Lass Dried Molasses Maxi-Lass Dried Molasses Trutest 42% Pig Grower Concentrate Medicated	3-Nitro-4 0.0175% Penicillin 13.1 gm/T 3-Nitro-4 0.0175% Penicillin 13.1 gm/T 3-Nitro-4 0.0175% 3-Nitro-4 0.0175% 3-Nitro-4 0.0175% Penicillin 13.1 gm/T Penicillin 13.1 gm/T Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Crude Protein 4.0% 3-Nitro-4 0.01%	0.0056% 5.7 gm/T 0.0032% 5.7 gm/T 0.0044% 0.0032% 5.7 gm/T 6.5 gm/T 37.7% 36.9% 37.5% 37.1% 9.4% 0.014%
Pan American Mills, Bowling Green, Ky. 42101 Booster 40% Hog Supplement, Medicated Booster 40% Hog Supplement, Medicated Hog Developer, Medicated Green Valley 35% Hog Supplement, Medicated Green Valley 40% Hog Supplement, Medicated	Crude Protein 40.0% Arsanilic Acid 0.05% Arsanilic Acid 0.008% Penicillin 17.5 gm/T Crude Protein 40.0%	35.6% 0.029% 0.0028% 2.4 gm/T 37.1%
Pierce & Williams, Hopkinsville, Ky. 42240 Check-R-Mix Hog Finisher #2A3N Medicated Check-R-Mix Hog Finisher #2A3N Medicated	3-Nitro-4 0.0032% 3-Nitro-4 0.0032%	0.0% 0.0019%
Planters Oil Mill, Tunica, Mississippi 38676 41% Protein Cottonseed Meal 41% Protein Cottonseed Meal	Crude Protein 41.0% Crude Protein 41.0%	38.8% 38.8%
Princeton Mills, Princeton, Kentucky 42445 Check-R-Mix Hog Feed E	3-Nitro-4 0.005%	0.0%
Quaker Oats Co., Chicago, Illinois 60654 Puss 'N Boots Horsemeat & Gravy	Crude Fat 5.5%	2.9%
Ralston Purina Co., St. Louis, Missouri 63199 Purina Special Steer Fatena 32 (G) Purina Special Steer Fatena 32 (G) Purina Special Steer Fatena 32 (G) 3901 Purina Special Steer Fatena 32 (G) Purina Special Steer Fatena 32 (G) Purina Special Steer Fatena 32 (G) Purina Special Steer Fatena 32 (G) Purina Special Steer Fatena 32 (G) Purina Special Heifer Fatena 32 (G) Purina Special Steer Fatena 50(G) 3945 Purina Special Steer Fatena 50(G) 3945 Purina Special Steer Fatena 50(G) 3945 Purina Special Steer Fatena 50(G) 3945 Purina Special Steer Fatena 50(G) 3945 Purina Pura-Lasses Purina Pura-Lasses Purina Pura-Lasses Purina Pura-Lasses Purina Pura-Lasses	Crude Protein 32.0% N.P.N. 16.0% N.P.N. 16.0% Crude Protein 32.0% Crude Protein 32.0% Crude Protein 32.0% Crude Protein 32.0% N.P.N. 16.0% N.P.N. 10.0% Crude Protein 50.0% Crude Protein 50.0% N.P.N. 35.0% Crude Protein 50.0% Crude Protein 50.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0% Sugar, Invert 42.0%	26.3% 20.1% 19.0% 29.7% 37.5% 26.0% 40.6% 22.6% 18.6% 57.9% 55.1% 41.0% 61.4% 47.5% 37.3% 37.5% 35.2% 37.3% 36.9%

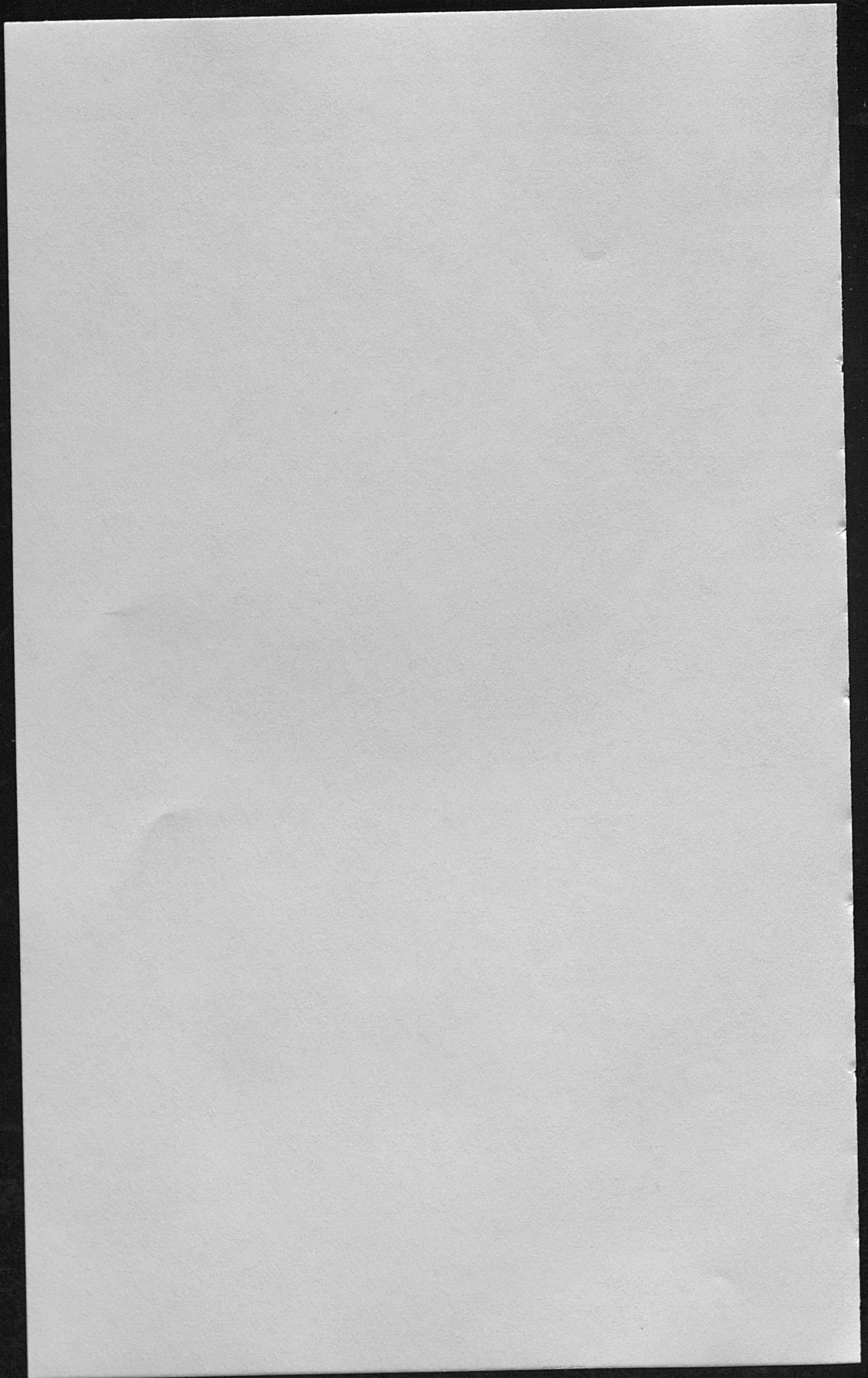
TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Purina Dairy Concentrate 44 (G)	Crude Protein 44.0%	40.6%
Purina Dairy Concentrate 44 (G)	Crude Protein 44.0%	40.2%
Purina Pre-Conditioning Chow F Medicated	N.P.N. 2.0%	4.3%
Purina Pig Chow (Z) 40 Medicated	Crude Protein 40.0%	36.7%
Purina Pig Chow (Z) 40 Medicated	Chlortetracycline 400.0 gm/T	193.7 gm/T
Purina Pig Chow (Z) 40 Medicated	Pencillian 200.0 gm/T	96.3 gm/T
Purina Pig Chow (Z) 40 Medicated	Sulfamethazine 0.044%	0.0218%
Purina Pig Chow (Z) 40 Medicated	Sulfamethazine 0.044%	0.0238%
Purina Hog Supplement 40%	Crude Protein 40.0%	34.4%
Purina Hog Supplement 40%	Crude Protein 40.0%	37.9%
Purina Receiving Chow #1 Medicated	Sulfamethazine 0.0077%	0.0045%
Purina Dairy Concentrate 42.0% (G)	Crude Protein 42.0%	38.2%
Purina Dairy Concentrate 32.0% 1915M	Crude Protein 32.0%	27.9%
Purina Pig Growena 250 (G) Medicated	Sulfamethazine 0.011%	0.0%
Purina Meat Plus Chicken By-Products	Crude Fat 5.0%	13.5%
Purina Meat Plus Beef & Eggs & Meat By-Products	Crude Fat 7.5%	15.9%
Purina Flavor Plus Beef & Meat By-Products	Crude Fat 7.5%	13.2%
Purina Chicken Parts & Tuna Liver, Cat Food	Crude Fat 8.0%	14.2%
Purina Pig Growena Medicated (G)	3-Nitro-4 0.005%	0.0072%
Purina Pig Startena Medicated	Penicillin 50.0 gm/T	20.9 gm/T
Purina Hog Chow 3N (G) Medicated	3-Nitro-4 0.025%	0.0139%
Purina Pig Growena Medicated	3-Nitro-4 0.005%	0.0029%
Purina Early Weaning Chow Medicated	Sulfamethazine 0.011%	0.0154%
Purina Pig Startena Medicated	Sulfamethazine 0.011%	0.0062%
Purina Farblend Hog Chow	Crude Protein 36.0%	33.2%
Purina Hog Chow "G" Medicated	Chlortetracycline 50.0 gm/T	90.8 gm/T
Purina Golden Bulky	Crude Protein 10.0%	16.1%
Purina Receiving Chow #1 (G) SMAB Medicated	Chlortetracycline 70.0 gm/T	31.8 gm/T
Purina Receiving Chow #1 (G) SMAB Medicated	Sulfamethazine 0.0077%	0.0042%
Purina Pig Startena Medicated	Sulfamethazine 0.011%	0.0182%
Purina Hi-Protena (G) Medicated	3-Nitro-4 0.005%	0.026%
Purina Milk Chow (G)	Crude Fiber 6.0%	9.25%
Purina 20% Dairy Feed	Crude Protein 20.0%	16.7%
Purina 20% Dairy Feed	Crude Protein 20.0%	16.9%
Allen Robertson & Co., Louisville, Ky. 40202		
Farm-R-Choice 52% Concentrate	Crude Protein 52.0%	46.9%
Farm-R-Choice 52% Concentrate	Crude Protein 52.0%	47.3%
Robinson Grain Co., Hickman, Kentucky 42050		
Custom Hog Feed Medicated	Arsanilic Acid 0.0065%	0.0011%
Custom Hog Feed Medicated	Arsanilic Acid 0.0075%	0.0011%
Southern States Coop., Baltimore, Md. 21203		
S.S. Cattle Tone Pellets, Medicated (CS)	Crude Protein 12.0%	17.5%
S.S. Pig Developer, Medicated	Arsanilic Acid 0.01%	0.014%
S.S. 20% Dari-Flo Pelleted	Crude Protein 20.0%	16.0%
S.S. 38% Sow & Pig Supplement, Medicated	Chlortetracycline 67.0 gm/T	26.1 gm/T
S.S. Super Hog Concentrate	Crude Protein 27.6%	33.3%
S.S. Super Hog Concentrate	Crude Protein 27.6%	32.3%
S.S. Super Hog Concentrate	Crude Protein 27.6%	23.1%
S.S. Super Hog Concentrate	Crude Protein 27.6%	22.4%
S.S. Pig Developer Medicated	Arsanilic Acid 0.01%	0.0038%
S.S. 44% Farm Mill Supplement	Crude Protein 44.0%	50.2%
S.S. Pro Blend "50"	Crude Protein 50.0%	55.4%
Spencer Kellogg, Buffalo, N.Y. 14240		
Spencer Kellogg 33% Linseed Meal	Crude Protein 33.0%	38.7%
Spencer Kellogg 33% Linseed Meal	Crude Protein 33.0%	38.8%
Star-Kist Foods Inc., Terminal Island, Calif. 90730		
9 Lives Mackerel	Crude Protein 18.0%	15.8%
Sturgis Milling Co., Sturgis, Ky. 42459		
Hoppy's 18% Pig Starter Pellets A Medicated	Penicillin 50.0 gm/T	20.9 gm/T
Hoppy's 40% Hog Concentrate Medicated	Arsanilic Acid 0.04%	0.0%
Hoppy's 42% Pig Concentrate Medicated	Penicillin 100 gm/T	43.5 gm/T
Super Mol Div. Nat'l Molasses Co. Tampa, Florida 33619		

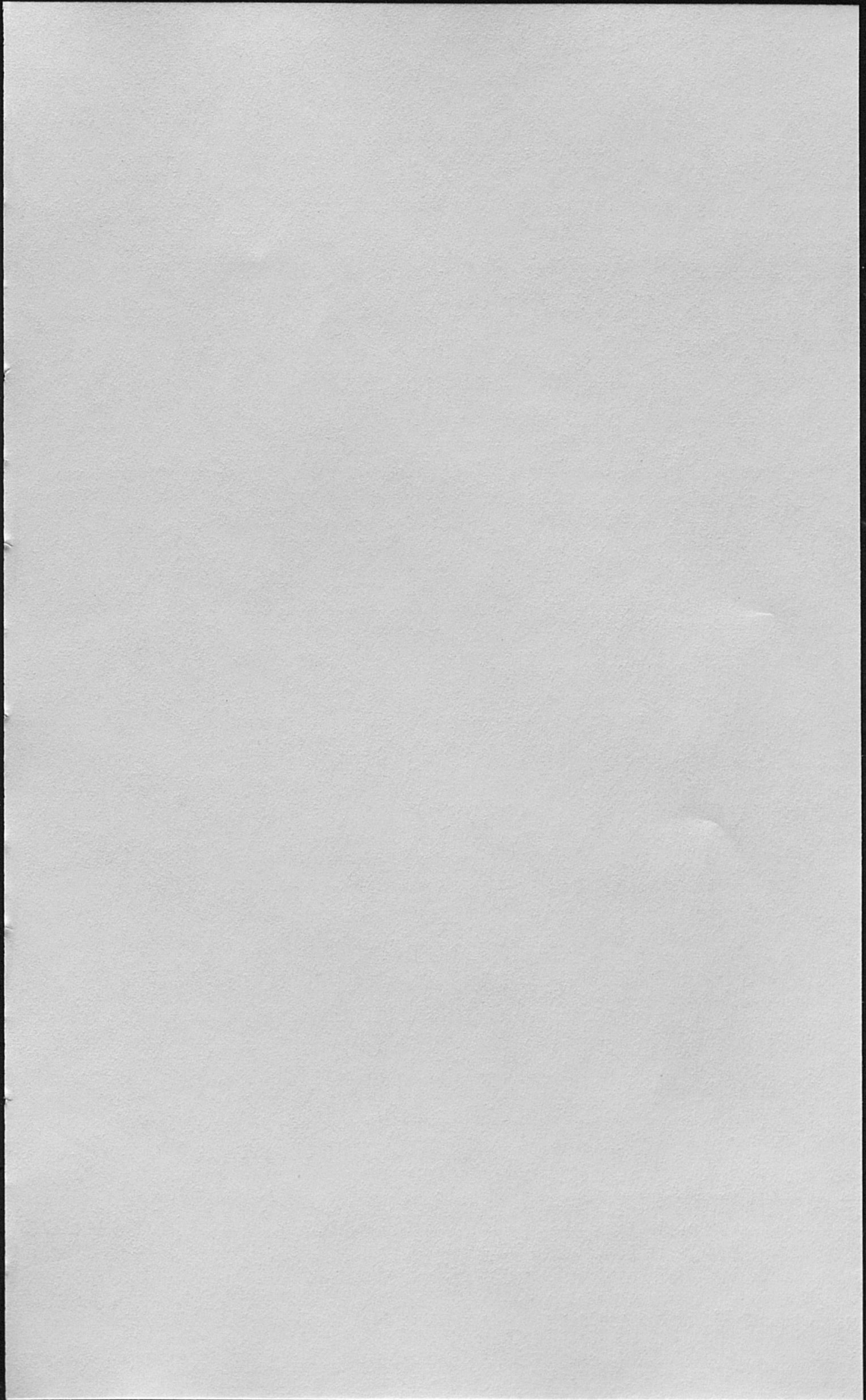


TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Maxi-Lass	Sugar, Invert 42.0%	34.2%
Marv-A-Lass	Crude Protein 4.0%	9.9%
Marv-A-Lass	Sugar, Invert 42.0%	37.7%
Marv-A-Lass	Sugar, Invert 42.0%	34.6%
Marv-A-Lass	Crude Protein 4.0%	9.9%
Super-Lass	Sugar, Invert 42.0%	35.6%
Super-Lass	Sugar, Invert 42.0%	37.3%
Super-Lass	Sugar, Invert 42.0%	37.1%
Super-Lass	Sugar, Invert 42.0%	35.0%
Super-Lass	Sugar, Invert 42.0%	36.9%
Super-Lass	Sugar, Invert 42.0%	36.9%
Super-Lass	Sugar, Invert 42.0%	36.9%
Super-Lass	Sugar, Invert 42.0%	36.0%
Supreme Mills, Glasgow, Kentucky 42141		
Supreme 45% Dairy Concentrate	Crude Protein 45.0%	41.4%
Supreme Brand Laying Mash	Crude Protein 16.5%	22.4%
Bob's Pride 12% Dairy Feed	N.P.N. 1.5%	5.0%
D. B. Sutherland & Sons, Bloomfield, Ky. 40008		
Kentucky Star Special 24% Dairy Feed	Crude Protein 24.0%	17.4%
Kentucky Kernel Hominy Feed	Crude Fat 7.0%	4.64%
Kentucky Kernel Hominy Feed	Crude Fat 7.0%	3.61%
Kentucky Kernel Hominy Feed	Crude Fat 7.0%	4.82%
Swift & Co., Animal Protein Plant, Evansville, Indiana 47710		
Swift Meat Meal Tankage	Crude Protein 60.0%	68.4%
Swift Meat & Bone Meal	Crude Fat 8.0%	13.8%
Swift Meat & Bone Meal	Crude Protein 50.0%	57.4%
Verhoff Alfalfa Mill, Ottawa, Ohio 45875		
Ottawa 17% Dehydrated Alfalfa Meal	Crude Fiber 27.0%	30.0%
Vigortone Products Co., Cedar Rapids, Iowa 52406		
Vigortone Super V-8 Premix Medicated	Calcium, Max. 29.0%	31.0%
Vylactos Laboratories, Inc., Des Moines, Ia. 50313		
Dri-Las	Crude Protein 2.0%	7.8%
Whiz Pet Food Company, Seattle, Washington 98119		
Kitty Salmon Cat Food	Crude Fat 7.5%	14.6%
R. L. Wiles Feed Mills, Inc., Nashville, Tenn. 37201		
Famous 36% Sow & Pig Supplement	Crude Protein 36.0%	41.8%
Famous Dog Food	Crude Protein 25.0%	19.6%
Famous Egg Layer	Crude Protein 20.0%	17.0%
Winn Milling Co., Greensburg, Ky. 42743		
Dairy 16% Dairy Feed		contained unground weed seeds in addition to listed ingredients
Y-V Minerals, Inc., Greenwood, Ind. 46142		
Dairy Boost	Crude Fat 8.0%	1.1%
Dairy Boost	Crude Fiber 6.0%	9.2%
Y-V Minerals, Inc., Dairy Boost	Crude Protein 36.0%	28.3%
Y-V Minerals, Inc., Dairy Boost	Crude Fat 8.0%	1.75%
Y-V Minerals, Inc., Dairy Boost	Crude Fiber 6.0%	10.7%







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