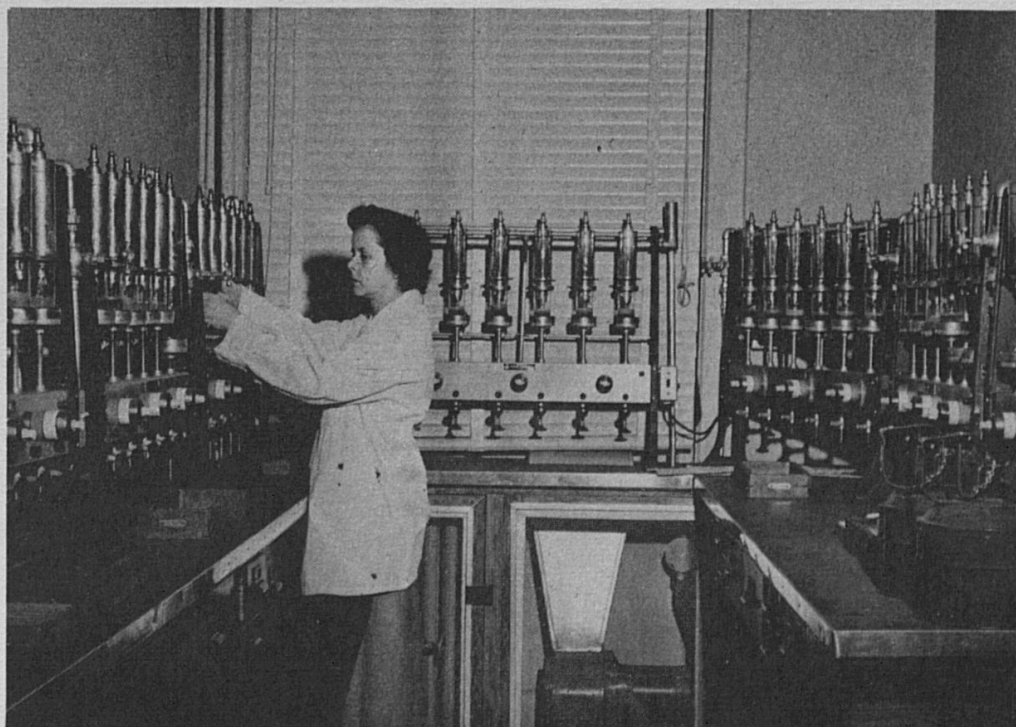


Commercial Feeds in Kentucky

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

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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

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	Orleans Canning Co., Chicago, Ill.	60603
Morgantown Feed Mill, Morgantown, Ky.	42261	Orrick Dehydrating Co., Inc., Orrick, Mo.	64077
Mor-Milk Co., Dixon, Ill.	61021	Osceola Products Co., Osceola, Ark.	72370
John Morrell & Co., Chicago, Illinois	60604	Oshomac Inc., Marion, Ky.	42064
Morton Salt Co., Chicago, Illinois	60606	Owensboro Grain Co., Inc., Owensboro, Ky.	42301
L. A. Mosher Co., Atlanta, Georgia	30301	Owensboro Milling Co., Owensboro, Ky.	42301
Mother's Cookie Co., Louisville, Ky.	40216	Pacific Molasses Co., San Francisco, Calif.	94105
Mowat, Wilson & Co., Detroit, Mich.	48235	Packmaster, Inc., Cincinnati, Ohio	45208
Mullican Feed Mill, Inc., Stanley, Ky.	42375	Pan American Mills, Bowling Green, Ky.	42101
Munfordville Milling Co., Munfordville, Ky.	42765	Pan Pacific Fisheries, Inc., Terminal Island, Calif.	90731
Murphy Grain & Milling Co., Owensboro, Ky.	42301	Paymaster Oil Mill Co., Phoenix, Ariz.	85002
Mutual Products Co., Minneapolis, Minn.	55401	Pearl Packing Co., Inc., Madison, Ind.	47250
Nabisco, Toledo, Ohio	43603	Peavy Co. Flour Mills, Minneapolis, Minn.	55415
Henry Nagel & Son, Cincinnati, Ohio	45214	Pedrick Laboratories, Sand Springs, Okla.	74063
Naremc0, Inc., Springfield, Missouri	65805	Pendleton County Mills, Falmouth, Ky.	41040
Nashville Oil Mill Co., Nashville, Tenn.	37202	Penick & Ford Limited, Inc., Cedar Rapids, Iowa	52406
National Alfalfa Dehydrating & Milling Co., Shawnee Mission, Kan.	66201	Stanley Penn & Sons, Lexington, Ky.	40508
National Biscuit Co., New York, N.Y.	10022	Perk Foods Co., Div. Vets, Chicago, Illinois	60610
National Biscuit Co., Toledo, Ohio	43603	Peter Hand Foundation, Waukegan, Illinois	60085
National Distillers Products, Cincinnati, Ohio	45246	Chas. Pfizer & Co., Inc., New York, N.Y.	10017
National Molasses Co., Willow Grove, Pa.	19090	Philips Roxane Div., Kansas City, Kansas	66106
National Oats Co., E. St. Louis, Ill.	62205	Phillips Petroleum Co., Bartlesville, Okla.	74004
National Oats Co., Cedar Rapids, Iowa	52402	Pierce & Williams, Hopkinsville, Ky.	42240
National Starch & Chemical Corp., Indpls., Ind.	46221	Pillsbury Co., Minneapolis, Minn.	55403
Neumond, Inc., St. Louis, Mo.	63110	Pioneer Farm Service, Owensboro, Ky.	42301
New Century Co., The, Chicago, Ill.	60609	Pittsburgh Plate Glass Co., Red Wing, Minn.	55066
New Era Milling Co., Arkansas City, Kan.	67005	Plains Coop. Oil Mill, Lubbock, Tex.	79408
Nicholas Co. Feeders Supply, Carlisle, Ky.	40311	Planters Manufacturing Co., Clarksdale, Miss.	38614
Nipak, Inc., Dallas, Texas	75221	Planters Oil Mill, Tunica, Miss.	38676
Nora Mills, The, Lewisburg, Tenn.	37091	Price-Wilhoite Co., Frederick, Md.	21701
Northern Ohio Sugar Co., Denver, Colo.	80217	Princeton Mills, Princeton, Ky.	42445
Northern Ohio Sugar Co., Findley, Ohio	45840	Producers Farm Center, Clinton, Ky.	42031
Northern Ohio Sugar Co., Fremont, Ohio	43420	Provico Feeds & Concentrates, Botkins, Ohio	45306
Norwich Agr. Products, Inc., Norwich, N.Y.	13815	Provimi, Inc., Saddle Brook, N.J.	07662
Charles Nunn & Sons Milling, Evansville, Ind.	47712	Pup Corn Brands, Inc., New Britain, Conn.	06053
Nutrena Mills, Inc., Minneapolis, Minn.	44402	Quaker Oats Co., Chicago, Illinois	60654
Occidental Chemical Co., Houston, Tex.	77001	Quincy Soybean Company, Quincy, Illinois	62301
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		

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

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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			
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			
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			
Southern Cotton Oil Co., Inc., Memphis, Tenn. 38104	1	1	
Southern States Campbellsville Coop., Campbellsville, Kentucky 42718	8	8	
Southern States Harrodsburg, Harrodsburg, Ky. 40330	2	2	
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			
Strongheart Products Co., Kansas City, Mo. 66110	5	4	1
Sturgis Milling Co., Sturgis, Kentucky 42459	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%

TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

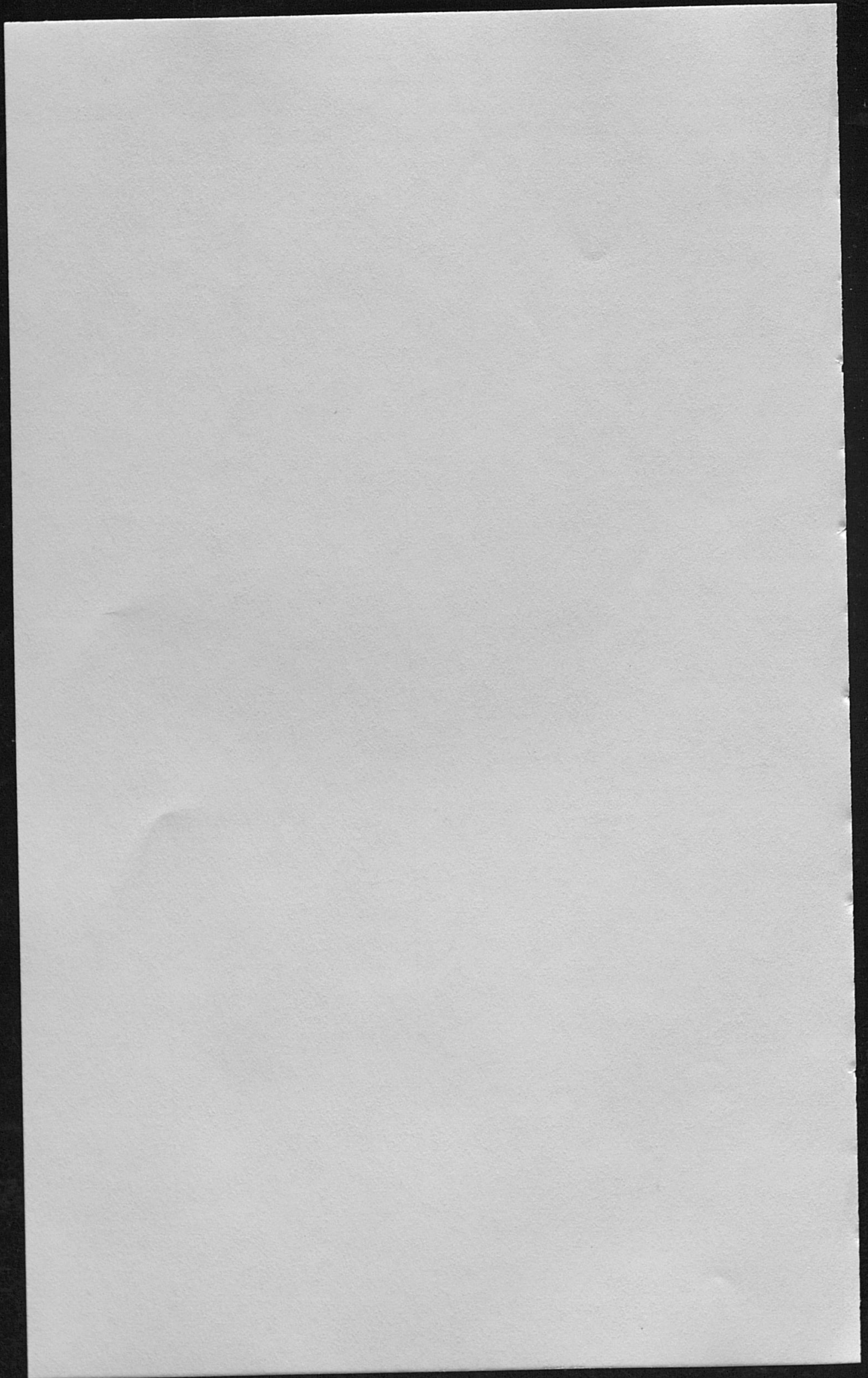
MANUFACTURER, ADDRESS AND BRAND	GUARANTEED	FOUND
Midget Mills, Somerset, Ky. 42501 16% Cumberland Mixed Feed 16% Cumberland Mixed Feed	Crude Protein 16.0% Crude Protein 16.0%	13.1% 13.8%
Moorman Manuf. Co., Quincy, Illinois 62301 Moormans Premix-trate 80 for Dairy Cows 415M Moormans Premix-trate 80 for 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% 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%

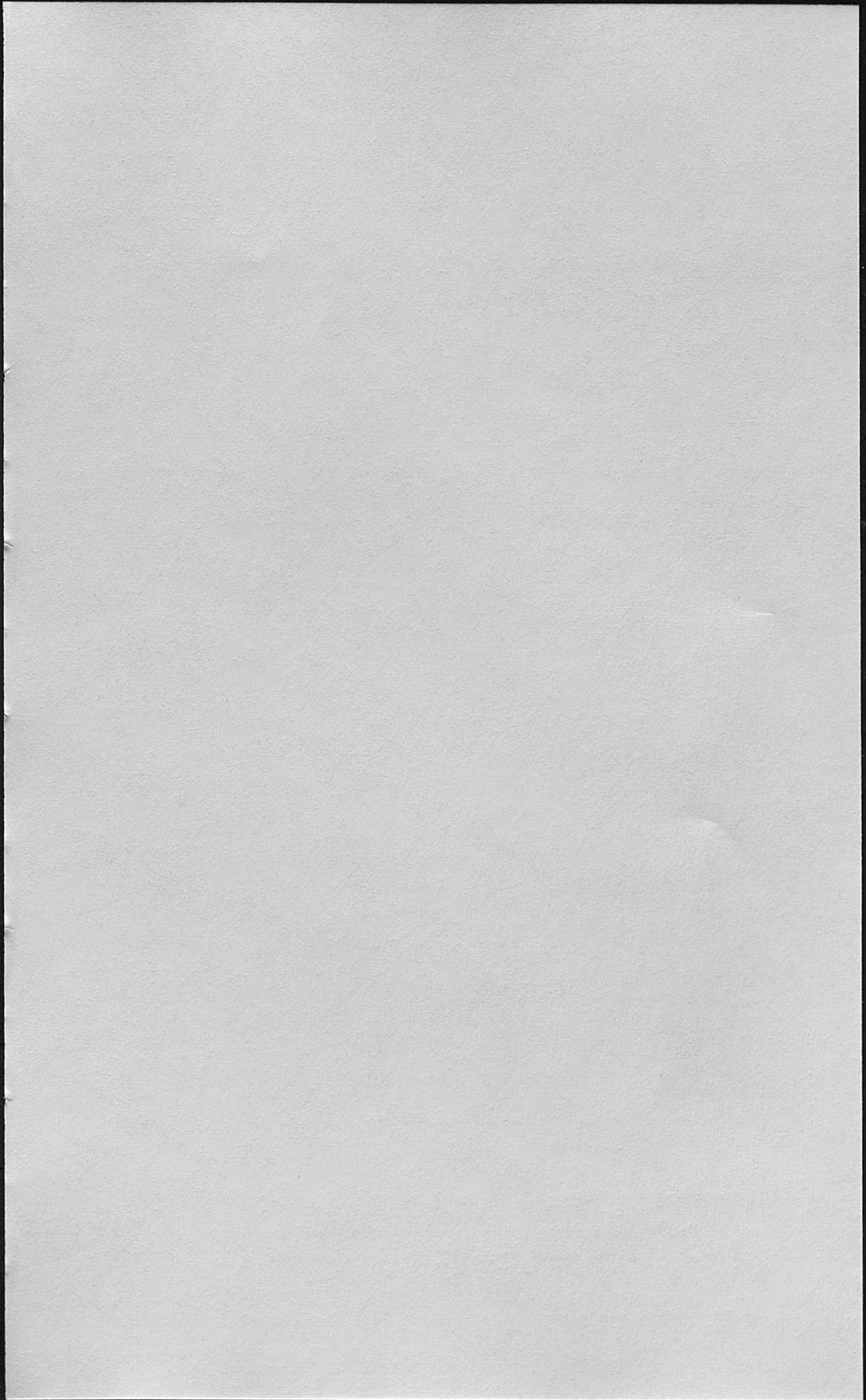
TABLE 2 SAMPLES CLASSIFIED AS "NOT PASSED"

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-Protene (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		

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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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