

Inspection of Commercial Feeds, Fertilizers, and Agricultural Liming Materials Sold in New York State

January 1 to December 31, 1964

NEW YORK STATE
DEPARTMENT OF AGRICULTURE AND MARKETS
ALBANY, N. Y.

Don J. Wickham, Commissioner

and

NEW YORK STATE
AGRICULTURAL EXPERIMENT STATION
CORNELL UNIVERSITY
GENEVA, N. Y.

D. W. Barton, Director

Inspection Staff

M. D. Albro, Director-Division of Food Control
New York State Department of Agriculture and Markets
Albany, New York

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C. J. Coluzza	J. B. Putnam	H. Wollman

Laboratory Staff

Department of Food Science and Technology
New York State Agricultural Experiment Station
Cornell University
Geneva, N. Y.

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A. W. Avens, *Professor*
G. F. Rickey, *Chemist-in-Charge*

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	Miss M. McGuigan *	

* Part time.

INTRODUCTION

Under the Agriculture and Markets Laws of New York State each brand of commercial feed, fertilizer, and agricultural liming material being sold or offered for sale within this state must be registered with the Commissioner of Agriculture.

To qualify for a license, information on the label must show the following: the name and address of the manufacturer, the brand name, and the net weight; in the case of feeds, the minimum percentages of crude protein and crude fat and the maximum percentage of crude fiber; in the case of fertilizers, the minimum percentages of nitrogen, phosphoric acid, and potash, and in the case of mixed fertilizers, the potential basicity or acidity expressed in terms of pounds of calcium carbonate equivalent per ton; in the case of both feeds and fertilizers, wherever other constituents are guaranteed, their percentages must be stated.

In the case of agricultural liming materials the label must show the minimum total neutralizing value expressed as calcium carbonate equivalence, the minimum calcium carbonate equivalence derived from magnesium sources, and the minimum fineness. Fineness is to be measured in reference to a 20 mesh and 100 mesh sieve.

Field inspectors of the Department of Agriculture and Markets procure samples of various brands of commercial feeds, fertilizers, and agricultural liming materials from wholesale and retail establishments where they are manufactured or are being offered for sale. Some of these samples are procured on delivery in bulk to farmers, others are taken from bags in stores and from bins in mills, and from bulk piles in quarries producing agricultural liming materials. All samples are taken in duplicate. One is retained by the person from whom secured and the other is forwarded to the New York State Agricultural Experiment Station, Geneva, New York for examination and analysis.

This bulletin contains results of inspections, chemical analyses, and microscopic examinations of the official samples of commercial feeds, fertilizers, and agricultural liming materials collected by agents of the Department of Agriculture and Markets from goods offered or exposed for sale in New York State during 1964. Chemical analyses and microscopic examinations were made by members of the Department of Food Science and Technology at the New York State Agricultural Experiment Station.

Tables I and III include the number of samples examined and the number meeting the guarantee, while Tables II and IV list the brands which did not conform to the guarantee, along with the nature of such misbranding. Table V is a report of analyses of agricultural liming materials.

Major provisions of the statutes requiring registration of all commercial

feeds and fertilizers as indicated in Articles 8 and 10 of the Agriculture and Markets Law are included in previous bulletins.

Copies of laws may be obtained from the Director of the Division of Food Control in the Department of Agriculture and Markets, Albany, N. Y. The agriculture and markets laws were amended in 1963 by the addition of a new article, 9-A. Provisions of this article, Sale of Agricultural Liming Materials, are included in this bulletin. Paragraphs of section 143 of the fertilizer law which pertained to agricultural liming materials were repealed. Such changes went into effect on January 1, 1964.

The fineness of the particles of limestone materially affects its value. Very finely pulverized limestone corrects soil conditions much more quickly than coarser ground limestone. The fineness of particles found in the official samples is stated in connection with the report of the chemical analyses of such samples (Table V).

Factors for converting various forms of agricultural liming materials to calcium carbonate equivalence are as follows:

Calcium Oxide (CaO)	Calcium Carbonate Equivalence	1.785
Calcium Hydrate ($\text{Ca}(\text{OH})_2$)	Calcium Carbonate Equivalence	1.351
Magnesium Oxide (MgO)	Calcium Carbonate Equivalence	2.482
Magnesium Hydrate ($\text{Mg}(\text{OH})_2$)	Calcium Carbonate Equivalence	1.716
Magnesium Carbonate (MgCO_3)	Calcium Carbonate Equivalence	1.187

The information given in the tables following can be a valuable and reliable guide to buyers, since it shows the carefulness of different manufacturers in maintaining their guarantees and in correctly labeling their products.

TABLE I—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
A		
Acme-Evans Co., Div. of General Grain, Inc., Indianapolis, Indiana	2	2
Adams Coop. G. L. F. Service, Inc., Adams, N. Y.	1	1
Adirondack Farmers Coop. Exchange, Inc., Fort Edward, N.Y.	1	1
Agway Inc., Syracuse, N. Y.	64	57
Akron Coop. G. L. F. Service, Inc., Akron, N. Y.	2	0
Albany Coop. Service, Inc., Albany, N. Y.	1	1
Albers Milling Co., Los Angeles, Calif.	4	2
Alder Bros., Rome, N. Y.	19	18
Allied Mills, Inc., Chicago, Ill.	37	30
Allied Pet and Garden Supplies, Waldwick, N. J.	1	1
Amato Grain and Seed Co., Inc., Lodi, N. J.	1	1
Amburgo Co., Inc., Philadelphia, Pa.	3	3
Amdal Co., Agricultural Div., Abbott Laboratories, North Chicago, Ill.	2	2
Amendt Milling Co., Monroe, Mich.	1	1
American Bird Food Mfg. Corp., Chicago, Ill.	5	1
American Feed Co., Inc., New York, N. Y.	2	2
American Maize Products Co., New York, N. Y.	2	2
Anderson's Feed and Supply, West Harpersfield, N. Y.	2	2
Apara, Vincent, Bronx, N. Y.	1	0
Aquarium Supply Co., Div. of Sternco Industries, Inc., Allendale, N. J.	8	2
Arcade Coop. G. L. F. Service, Inc., Arcade, N. Y.	1	1
Archer-Daniels-Midland Co., Minneapolis, Minn.	2	1
Atlantic Processing Co., Amagansett, N. Y.	1	1
Atwater Co., The, Locke, N. Y.	4	1
Auburn Coop. G. L. F. Service, Inc., Auburn, N. Y.	4	3
Austin Mlg., Inc., Harry, South Dayton, N. Y.	6	6
Avon Branch of A. and G. Coop. G. L. F. Service, Inc., Avon, N. Y.	3	2
Avon Milling Co., Avon, N. Y.	4	4
B		
Backus, Reginald D., Mexico, N. Y.	3	3
Baker and Bro., Inc., H. J., New York, N. Y.	1	1
Baker and Sons, H. L., Dalton, N. Y.	3	2
Barber and Bennett, Inc., Albany, N. Y.	32	30
Barker, Moore and Mein Co., Inc., Lebanon, Pa.	4	0
Batavia Coop. G. L. F. Service, Inc., Batavia, N. Y.	9	6

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Baugh Chemical Co., Philadelphia, Pa.	1	1
Bay State Milling Co., Clifton, N. J.	3	2
Beacon Feeds, Beacon Div. of Textron, Inc., Cayuga, N. Y.	68	65
Beacon Feeds, Cambridge, N. Y.	1	1
Bean Brothers, Hayts Corners, N. Y.	1	1
Beaumont, Inc., Clifford, Gainesville, N. Y.	2	2
Becker's Feed Store, Inc., Grand Gorge, N. Y.	5	5
Best Foods, Div. of Corn Products Co., Buffalo, N. Y.	1	1
Bethany Farm Supplies, Inc., East Bethany, N. Y. ...	1	1
Biel Rendering Co., Utica, N. Y.	1	1
Birkett Mills, The, Penn Yan, N. Y.	4	2
Bisnett, Inc., Walter H., Watertown, N. Y.	1	1
Black Bros., Inc., Big Flats, N. Y.	7	6
Blatchford Calf Meal Co., Waukegan, Ill.	3	3
Bliss Mills, Newark Valley, N. Y.	7	4
Bloomville Coop. G. L. F. Service, Inc., Bloomville, N. Y.	2	2
Boonville Coop. G. L. F. Service, Inc., Boonville, N. Y.	4	2
Borden Co., The, Feed Supplements Div., New York, N. Y.	4	4
Bouckville Mill, Inc., Bouckville, N. Y.	2	2
Briggs, Inc., D. K., Great Bend, N. Y.	4	3
Brister and Son, C. W., Auburn, N. Y.	2	2
Burnett & Iseneker, Boonville, N. Y.	3	3
Burnett's Pet Foods, Inc., Newark, N. J.	3	0
C		
Camden Coop. G. L. F. Service, Inc., Camden, N. Y. .	7	4
Camillus Mills, Camillus, N. Y.	1	1
Camp Milling Co., Inc., Walton, N. Y.	10	10
Carpenter and Adams, Ellenburg Depot, N. Y.	4	3
Carragher, J. F., Lisbon, N. Y.	1	1
Cassadaga Farmer's Co-op Ass'n., Inc., Cassadaga, N. Y.	1	0
Cassadaga Mills, Inc., Cassadaga, N. Y.	2	2
Castorland Coop. G. L. F. Service, Inc., Castorland, N. Y.	1	1
Caswell Supply Co., Inc., Rome, N. Y.	13	13
Cato Milling Co., Cato, N. Y.	2	2

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Catskill Valley Mills, Inc., Catskill and Oak Hill, N. Y.	2	1
Cattaraugus Coop. G. L. F. Service, Inc., Cattaraugus, N. Y.	1	1
Central Grain Co., Ltd., St. Boniface, Manitoba, Can- ada	3	0
Central Soya, McMillen Feed Division, Fort Wayne, Ind.	5	4
Chambers, William J., Salem, N. Y.	2	2
Christiano Alfalfa Milling Co., Cuylerville, N. Y. ...	1	0
Churchville Coop. G. L. F. Service, Inc., Churchville, N. Y.	2	0
Citrus Feed Co., Lakeland, Fla.	2	2
Clinton Corn Processing Co., Clinton, Iowa	1	1
Clintondale Supply Co., Clintondale, N. Y.	3	1
Cochecton Mills, Inc., Cochecton, N. Y.	7	7
Collins and Son, F., Newfane, N. Y.	5	5
Collins, Clarence, Malone, N. Y.	8	7
Commercial Solvents Corp., New York, N. Y.	1	1
Community Feed Mill, Caughdenoy, N. Y.	10	10
Conewango Valley Mills, Conewango Valley, N. Y. ...	14	9
Consolidated Blenders, Inc., Fremont, Neb.	1	1
Consolidated Mills, Inc., Blissfield, Mich.	1	1
Consolidated Rendering Co., Boston, Mass.	2	2
Cooper, Hemenway and Rowley, Warsaw, N. Y.	1	1
Co-operative Feed Dealers, Inc., Chenango Bridge, N. Y.	7	6
Coop. G. L. F. Exchange, Inc., Ithaca, N. Y.	109	98
Corrado Milling Co., George, Frankfort, N. Y.	4	4
Cortland Coop. G. L. F. Service, Inc., Cortland, N. Y.	2	2
Coward and Co., C. H., Byron, N. Y.	2	2
Coward, F. W., Stafford, N. Y.	2	2
Coxsackie Milling and Supply Corp., West Coxsackie, N. Y.	6	6
Cunningham Feeds, Plattsburg, N. Y.	1	1
Cutis and Son, H. B., Mt. Upton, N. Y.	3	3
D		
Daisy Flour, Inc., Rochester, N. Y.	3	2
Dawe's Laboratories, Inc., Chicago, Ill.	1	1
Dawnwood Farms, Inc., Amenia, N. Y.	2	2
Dean & Lee, Horseheads, N. Y.	13	9

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Dean's Catskill Valley Mills, Inc., Catskill, N. Y.	13	11
Decker and Son, Inc., E. M., Andes, N. Y.	10	7
Delaware Milling Co., Inc., Deposit, N. Y.	10	7
Delhi Coop. G. L. F. Service, Inc., Delhi, N. Y.	3	1
Delltown Foods, Inc., Middletown Milk and Cream Div., Fort Edward, N. Y.	1	1
Delphos Grain & Soya Products Co., Delphos, Ohio ..	1	1
Demarest & Sons, Inc., A. W., Stamford, N. Y.	11	11
Devereaux, Ralph E., Nassau, N. Y.	2	2
Dold Feed Co., Inc., Buffalo, N. Y.	1	1
Dover Milling Co., Dover, Ohio	1	1
Dow Brewery Ltd., Montreal, Quebec, Canada	1	1
Dowagiac Milling Co., Dowagiac, Michigan	1	1
Drake, M. C. & C. M., Arcade, N. Y.	1	1
Dugan & Taber, Inc., Margaretville, N. Y.	1	1
DuPont de Nemours and Co., E. I., Wilmington, Del.	1	1
E		
Easland and Sons, Inc., J. W., DeSmet and Woonsocket, S. D.	1	1
Eastman Gelatine Corp., Peabody, Mass.	1	1
Economy Grain and Feed Co., Ltd., Winnipeg, Manitoba, Canada	1	0
8 in 1 Pet Products, Inc., Long Island City, N. Y. ...	7	3
Eldred and Co., Inc., Charles H., Bainbridge, N. Y. ...	7	6
Elmore Milling Co., Inc., Oneonta, N. Y.	41	35
Eshelman and Sons, John W., Lancaster, Pa.	29	27
Evans Milling Co., Inc., Indianapolis, Ind.	1	1
F		
F and R Coop. G. L. F. Service, Inc., Fairport, N. Y.	2	2
Fairbanks, Herbert J., Gloversville, N. Y.	7	5
Fairway Milling & Grain Co., Ltd., Manitoba, Canada	3	1
Farmers Feed & Grain Co., Williamson, N. Y.	7	7
Farmers Feed Co., Brooklyn, N. Y.	2	2
Farmers Feed Co., Oneonta, N. Y.	6	6
Farmers Mill, Inc., Sherman, N. Y.	2	1
Farney & Steiner, Croghan, N. Y.	7	7
Fillmore Mill, Fillmore, N. Y.	1	1
Flory Milling Co., Bangor, Pa.	1	1
Ford-Weld & Cox, Inc., Johnson, N. Y.	1	0
Foremost Dairies Inc., Burlingame, Calif.	2	2
Fox Co., Newfield, N. J.	2	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Fox Co., Inc., Emory L., Penn Yan, N. Y.	1	1
Franklin Milling Co., Franklin, N. Y.	2	2
Fruen Milling Co., Minneapolis, Minn.	3	3
G		
Gallo Seed and Pet Supply, East Rutherford, N. J. . .	1	0
Gansevoort-Saratoga G. L. F. Service, Gansevoort, N. Y.	1	1
Geisler Pet Products, Bronx, N. Y.	5	3
General Mills, Inc., Minneapolis, Minn.	5	4
Geneva Coop. G. L. F. Service, Inc., Geneva, N. Y. . .	4	2
Getkin-Moyer, Inc., Norristown, Pa.	1	0
Godfrey Co., Inc., E. E., East Aurora, N. Y.	3	3
Godfrey Milling Co., The, Attica, N. Y.	2	2
Golden Gem Growers, Inc., Umatilla, Florida	3	2
Goodsell, C. F., Fernwood, N. Y.	9	6
Gorton's of Gloucester, Inc., Gloucester, Mass.	1	1
Gottschalk, P. S., Hankins, N. Y.	3	3
Gould Feeds, Lake Grove and Eastport, N. Y.	13	11
Gouverneur Coop. Ass'n., Inc., Gouverneur, N. Y. . .	3	3
Graf's Mill, Port Byron, N. Y.	4	3
Gramco, Inc., Cattaraugus, N. Y.	18	13
Grande & Co., Maspeth, N. Y.	1	0
Granville Coop. G. L. F. Service, Inc., Granville, N. Y.	4	3
Green Acre Farms, Nazareth, Pa.	1	1
Greene Coop. G. L. F. Service, Inc., Greene, N. Y. . .	1	1
Greenport Feed Corp., Maspeth, N. Y.	10	6
Greenwich Coop. G. L. F. Service, Inc., Greenwich, N. Y.	1	1
Greenwich Feed & Farm Supply, Greenwich, N. Y. . .	3	2
Griggs & Ball Co., East Aurora, N. Y.	12	7
Groton Feed Co., Groton, N. Y.	3	3
Guilford Feed and Coal Co., Guilford, N. Y.	3	3
H		
H. and H. Flour and Feed Store, The, Parish, N. Y.	5	5
H T X Product, England	1	1
Hales and Hunter Co., Chicago, Ill.	44	35
Harkness and Brace Milling Co., Randolph, N. Y. . .	1	1
Harrison and Son, Inc., S. S., Milford, N. Y.	15	15
Hart Rendering Plant, Inc., Lafayette, N. Y.	1	1
Hartz Mountain Products Corp., New York, N. Y. . .	11	3

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Harvey, George B., Rome, N. Y.	2	2
Hatch, Sanford B., Chittenango Station, N. Y.	1	1
Hayward, Inc., Oak Harbor, Ohio	1	1
Herrmann G. L. F. Service, Ontario, N. Y.	1	1
Hess and Clark, Div. of Richardson-Merrill Inc., Ash- land, Ohio	1	1
Hewitt Bros., Inc., Locke, Moravia, Groton, N. Y. ...	5	5
Higbie's Farm Supplies, Inc., North Chili, N. Y.	1	1
Hilderbrand, Harold G., South Schenectady, N. Y. ...	4	4
Hilson Bros., Bovina Center, N. Y.	2	2
Hinman Mills, Inc., Deposit, N. Y.	4	3
Hinton and Co., Inc., New York, N. Y.	1	0
Hoffmann-La Roche, Inc., Formerly The Ray Ewing Co., Nutley, N. J.	5	3
Holcomb G. L. F. Service, Inc., Holcomb, N. Y.	2	2
Homer Coop. G. L. F. Service, Inc., Homer, N. Y. ...	3	3
Hooker Chemical Corp., Columbia, Tenn.	1	1
Hortonville Grange Co-op. Assn., Inc., Hortonville, N. Y.	7	4
Howard and Son, E. A., Central Bridge, N. Y.	13	9
I		
Illinois Cereal Mills, Inc., Paris, Ill.	1	1
Inter-County Farmers Coop. Ass'n., Inc., Woodridge, N.Y.	27	25
International Cheese Co., Inc., Hinesburg, Vermont	1	0
International Milling Co., Inc., Minneapolis, Minn.	4	4
International Salt Co., Clarks Summit, Pa.	2	1
International Stock Food Corp., Waverly, N. Y.	9	5
J		
Jamesville Milling Co., Jamesville, N. Y.	3	3
Janowski Bros., Vernon Center, N. Y.	1	1
Joseph Co., Inc., I. S., Minneapolis, Minn.	1	1
K		
Kellogg, Spencer, Div. of Textron Inc., Minneapolis, Minn.	1	0
Kenlin Pet Supply Inc., Upper Saddle River, N. J. ...	1	1
Ketchum and Son, A. R., Clyde, N. Y.	1	1
Kiff, Inc., C. E., Delhi, N. Y.	6	6
Killawog Red Mills, Killawog, N. Y.	5	4

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Knauf and Tesch Co., Chilton, Wisconsin	2	2
Knowlesville Coop. G. L. F. Service, Inc., Knowlesville, N. Y.	2	2
Kraft Foods, New York, N. Y.	1	1
Kraus, Ball and Co., Inc., Eugene C., Buffalo, N. Y. . .	1	1
Krause Milling Co., Chas. A., Buffalo, N. Y.	1	0
Krum and Sons, Clark, Liberty, N. Y.	1	1
L		
La Budde Feed and Grain Co., Milwaukee, Wis. . . .	3	0
Laing's Mill, Eden, N. Y.	1	0
Land O' Lakes Creameries, Inc., Minneapolis, Minn.	1	1
La Placa Bros., Porterville, N. Y.	1	1
Lauhoff Grain Co., Danville, Ill.	3	3
Lawrence Coal and Feed, Burke, N. Y.	2	2
Liddle Bros., Andes, N. Y.	1	0
Limestone Products Corp. of America, Newton, N. J.	3	2
Lowville Farmers Coop. Ass'n., Lowville, N. Y. . . .	2	2
Lowville Feed and Grain Co., Inc., Lowville, N. Y. . .	16	15
Lutz Feed and Lumber Co. of Roxbury, Inc., Roxbury, N. Y.	1	1
M		
McCabe Grain Co., Ltd., Winnipeg, Canada	1	1
McCoy Milling Co., Chateaugay, N. Y.	3	3
McDowell and Walker, Inc., Delhi, N. Y.	6	6
McEwen and Son, Inc., R. H., DeKalb Junction, N. Y.	2	2
McGraw Coop. G. L. F. Service, Inc., McGraw, N. Y.	3	2
McKinney, James, Hudson Falls, N. Y.	1	1
Malone Feed and Farm Supply, Inc., Malone, N. Y. . .	8	1
Manhattan Flour and Feed Co., of Buffalo, Inc., Buffalo, N. Y.	3	3
Manitoba Sugar Co., Ltd., Winnipeg, Manitoba, Canada	1	1
Maple Leaf Mills Ltd., Toronto, Ontario, Canada . .	3	3
Marshall's Feed Mill, Horseheads, N. Y.	19	8
Matteson Feed and Farm Supply Co., Franklin, N. Y.	5	5
Maxon Feed Co., Greene, N. Y.	7	7
Maxon Mills, Inc., Wassauc, N. Y.	10	2
Medbury and Neilson, New Berlin, N. Y.	9	5

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Mercer Milling Co., Baldwinsville, N. Y.	9	9
Merck and Co., Inc., Rahway, N. J.	3	3
Merrifield, Ray, Slingerlands, N. Y.	1	1
Meyerink Milling Co., Clymer, N. Y.	7	7
Middleburg Coop. G. L. F. Service, Inc., Middleburg, N. Y.	2	0
Milk Specialties, Inc., Dundee, Ill.	1	1
Millard Lime and Stone Co., H. E., Annville, Pa. ..	1	1
Miller and Son, E. E., Geneva, N. Y.	5	5
Miner-Hillard Milling Co., Wilkes-Barre, Pa.	1	1
Montgomery's Feed Mill, Inc., Warsaw, N. Y.	2	2
Moon and Co., Inc., George Q., Binghamton, N. Y.	11	10
Moore, Robert, Marilla, N. Y.	6	6
Moravia Coop. G. L. F. Service, Inc., Moravia, N. Y.	2	0
Morton Salt Co., Chicago, Ill.	2	0
Mosher and Son, Inc., E. L., Philadelphia, N. Y.	3	3
Mt. Vernon Milling Co., Mt. Vernon, Ind.	1	1
Mowat, Wilson and Co., Detroit, Mich.	1	1
Mudge and Sons, Inc., A. A., Afton, N. Y.	13	13
Murphy Grain and Milling Co., Owensboro, Ken- tucky	1	1
Mutual Products Co., Minneapolis, Minn.	1	1
N		
Narrowsburg Feed and Grain Co., Narrowsburg, N. Y.	34	26
National Alfalfa Dehydrating and Milling Co., Kan- sas City, Mo.	1	1
National Biscuit Co., Toledo, Ohio	1	1
National Oats Co., Cedar Rapids, Iowa	1	1
New Century Co., The, Chicago, Ill.	1	1
New England By-Products Corp., Winchester, Mass.	2	2
New Jersey Zinc Co., The, New York, N. Y.	1	1
New Woodstock Milling Corp., New Woodstock, N. Y.	2	2
Niagara Milling, Ransomville, N. Y.	1	1
Nichols Coop. G. L. F. Service, Inc., Nichols, N. Y.	7	5
Nightingale Mills, Inc., Marcellus, N. Y.	6	4
Nopco Chemical Co., Newark, N. J.	1	1
Northern Ohio Sugar Co., Denver, Colo.	1	1
Nunda G. L. F. Service, Nunda, N. Y.	1	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
O		
O'Byrne Bros., Lockport, N. Y.	2	2
Ogden Grain Co., Utica, N. Y.	25	20
Ogilvie Flour Mills Co., Ltd., Montreal, Canada	2	2
Ondawa Coop. Service, Inc., Salem, N. Y.	1	1
Oneida Coop. G. L. F. Service, Inc., Oneida, N. Y.	1	1
Oneida Milling Co., Inc., Oneida, N. Y.	5	3
Oswego Coop. G. L. F. Service, Inc., Oswego, N. Y. ...	2	1
Owego Coop. G. L. F. Service, Inc., Owego, N. Y. ...	3	3
Oxford Feed and Fuel Co., Oxford, N. Y.	6	6
P		
Page Supply, Getzville, N. Y.	1	1
Palmyra Coop. G. L. F. Service, Inc., Palmyra, N. Y.	3	1
Parrish and Heimbecker Ltd., Toronto, Montreal, Canada	1	1
Paterson Tallow Co., Inc., Paterson, N. J.	1	1
Peavey Co. Flour Mills, Minneapolis, Minn.	3	3
Penn Yan Coop. G. L. F. Service Inc., Penn Yan, N. Y.	1	0
Pennsylvania Hide and Rendering Co., Avoca, Pa. ...	1	1
Perrysburg Alfalfa Mills, Inc., Perrysburg, Ohio	1	1
Peter Hand Foundation, Chicago, Ill.	3	2
Petpak, Inc., Div. Lowe's, Inc., Cassopolis, Mich.	4	2
Phelps and Sibley Co., Cuba, N. Y.	2	2
Phelps Coop. G. L. F. Service, Phelps, N. Y.	1	1
Pierce Bros., Delevan, N. Y.	1	0
Pierce Grain Corp., Buffalo, N. Y.	10	7
Pillsbury Co., The, Minneapolis, Minn.	3	3
Pittsburgh Brewing Co., Pittsburgh, Penn.	2	2
Pizza Bros., East Meredith, N. Y.	1	0
Plassche-Ameele Co., Inc., Sodus Center, N. Y.	9	9
Pollock Farm Supplies, Eagle Mills, N. Y.	2	2
Potsdam Feed and Coal Co., Inc., Potsdam, N. Y. ...	10	10
Power Protein Inc., Troy, Ohio	1	1
Publicker Industries, Inc., Philadelphia, Pa.	1	1
Q		
Quackenbush and Son, Howard, Warwick, N. Y.	1	1
Quaker Oats Co., The, Chicago, Ill. and Shiremans- town, Pa.	3	3

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
R		
Race Milling Co., Granville, N. Y.	3	3
Ralston Purina Co., St. Louis, Mo.	102	93
Randolph Feed and Supply Co., Inc., East Randolph, N. Y.	10	8
Rapp Bros., Darien Center, N. Y.	5	5
Reading Milling Co., Inc., Reading, Pa.	4	4
Red Mills, Inc., The, Claverack, N. Y.	8	7
Reisdorf Bros., Inc., North Java, N. Y.	2	2
Resseguie and Son, B., Middleport and Barker, N. Y.	27	7
Richardson Milling Co., Inc., Hamburg, N. Y.	15	9
Richer Co., Inc., The, I. L., Sherburne, N. Y.	23	17
Richer's Farm Service, Inc., Clayville, N. Y.	2	2
Rignel Co., Inc., James O., Lockport, N. Y.	5	4
Ripley Feed and Coal Co., Ripley, N. Y.	1	0
Riverside Elevator Co., Detroit, Michigan	1	1
Roe Farm Service, Inc., Limerick, N. Y.	10	5
Rohloff Bros., Inc., Graytown, Ohio	1	1
Rome Coop. G. L. F. Service, Inc., Rome, N. Y.	3	3
Roscoe Coal and Feed Co., Roscoe, N. Y.	1	0
Roycraft's Feeds, Inc., Newfane, N. Y.	6	5
Rozansky Feed Co., John S., Secaucus, N. J.	1	1
S		
Sanborn Milling Co., Inc., Sanborn, N. Y.	7	3
Saunders, Paul A., Mayville, N. Y.	1	0
Sauquoit Valley Coop. G. L. F. Service, Inc., Washing- ton Mills, N. Y.	1	0
Schenley Distillers Inc., Grain Dept., New York, N. Y.	1	1
Schnurr and Wood, Delmar, N. Y.	2	2
Schodack Valley Mills, Castleton-on-Hudson, N. Y. ...	3	1
Schoonmaker Feed Co., West Winfield, N. Y.	8	8
Scranton Processing Co., Inc., Scranton, Pa.	2	0
Sea Board Supply Co., Philadelphia, Pa.	8	6
Seagram and Sons, Inc., Joseph E., New York, N. Y.	1	1
Seelos and Son, Frank P., Honeoye Falls, N. Y.	10	10
Seely Co., The S. Alfred, Spencer, N. Y.	6	6
Segar, August G., Jeffersonville, N. Y.	2	2
Shamel Milling Co., Inc., East Concord, N. Y.	7	6
Sheerar, John, Cincinnati, N. Y.	3	3
Sherman Sales Co., H., Chicago, Ill.	2	0
Sherman Steam Mills, Sherman, N. Y.	5	4

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Sherwin-Williams Co., The, Cleveland, Ohio	1	1
Shimel, Willard D., Richfield Springs, N. Y.	1	1
Simmons and Mummery, Smyrna, N. Y.	5	5
Sixt and Son, Inc., John, Chaffee, N. Y.	2	2
Slate Hill Feed and Coal Co., Inc., Slate Hill, N. Y.	2	2
Sooline Mills Ltd., Winnipeg, Manitoba, Canada	1	1
Spangler Flour Mills, Inc., Mount Joy, Pa.	1	1
Spencer Coop. Society, Inc., Spencer, N. Y.	6	6
Stabilized Vitamins Div., Commercial Solvents Corp., Garfield, N. J.	6	5
Staley Mfg. Co., A. E., Decatur, Ill.	3	3
Stappenbeck Inc., Wm., Rochester, N. Y.	1	1
Stevens Farm Service, Cooperstown, N. Y.	1	1
Stock and Sons, F. W., Hillside, Mich.	1	1
Stryker Bros., Jefferson, N. Y.	3	2
Suffolk Coop. G. L. F. Service, Inc., Riverhead, N. Y.	6	5
Suni-Citrus Products Co., Haines City, Fla.	1	1
Susquehanna Valley Mills, Otego, N. Y.	9	6
Syposs and Son, A. L., Sanborn, N. Y.	3	3
T		
Tallcot Milling Co., Skaneateles, N. Y.	7	6
Teklad, Inc., Monmouth, Ill.	4	4
Theobald Industries, The, Kearny, N. J.	1	1
Thiele Coal and Feed, Inc., North Tonawanda, N. Y.	11	6
Thomas Sales and Service, Adams, N. Y.	1	1
Thorp and Mann, South Dayton, N. Y.	5	5
Tioga Mills, Inc., Waverly, N. Y.	31	29
Tri Associates, Inc., Minneapolis, Minn.	1	1
Troy Feed and Supply Co., Inc., Troy, N. Y.	3	3
Trumansburg Coop. G. L. F. Service, Inc., Trumans- burg, N. Y.	1	1
Truxton Coop. G. L. F. Service, Inc., Truxton, N. Y.	1	1
U		
United States Steel Corp., Buffalo, N. Y.	1	1
Universal Grain Co. of New Jersey, Newark, N. J.	2	2
Urban Milling Co., George, Buffalo, N. Y.	2	2

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
V		
Vadney, Raymond J., Feura Bush, N. Y.	4	4
Van Buren and Sons, Inc., E. T., Hobart, N. Y.	9	7
Van Iderstine Co., The, Long Island City, N. Y.	1	1
Verity Mills, Inc., Buffalo, N. Y.	23	19
Viele's G. L. F. Service, Red Creek, N. Y.	1	0
W		
Wagner Bros. Feed Corp., Brooklyn, N. Y.	1	1
Walker and Sons, Inc., Hiram, Peoria, Ill.	2	2
Walton Coop. G. L. F. Service, Inc., Walton, N. Y. ..	3	3
Ward and Son, M. J., Savona and Bath, N. Y.	12	12
Ward and Van Scoy, Inc., Candor, N. Y.	9	9
Warren and Son, I. R., Port Byron, N. Y.	2	2
Watertown Coop. G. L. F. Service, Inc., Watertown, N. Y.	1	1
Webster Co., H. K., Lawrence, Mass.	10	10
West-Nesbitt, Inc., Oneonta, N. Y.	32	31
West Oneonta Branch of Oneonta Coop. G. L. F. Service, Inc., West Oneonta, N. Y.	1	1
West Valley Milling Co., Inc., West Valley, N. Y. ..	3	3
Westtown Coop. G. L. F. Service, Inc., Westtown, N. Y.	1	1
Wheat Bros., Inc., Moravia, N. Y.	14	10
White Clover Dairy Co., Inc., Kaukauna, Wis.	2	1
Whiting and Son, R. H., Binghamton, N. Y.	12	9
Wight and Patterson, Canton, N. Y.	3	3
Wilcox G. L. F. Service, Jordan, N. Y.	3	2
Wiley Bros., Valley Falls, N. Y.	1	1
Williams Bros. Co., The, Kent, Ohio	1	1
Williams Milling Co., Inc., Quincy, Michigan	1	1
Williamson Fruit and Vegetable Coop. Assn., Inc., Williamson, N. Y.	3	3
Willson and Eaton Co., Amenia, N. Y.	3	3
Wirthmore Feeds, Inc., Waltham, Mass.	46	40
Wirthmore Stores, Chaffee, N. Y.	1	1
Wohlhueter Co., The W. E., Colden, N. Y.	4	3
Wolcott Coop. G. L. F. Service, Inc., Wolcott, N. Y.	2	1
Wollenberg Bros., Buffalo, N. Y.	5	5
Wratten, Clyde S., Phoenix, N. Y.	1	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
X		
Xtra Factors, Inc., Ephrata, Pa.	2	1
Y		
Yeast Products, Inc., Paterson, N. J.	1	1
Yieldmor Feeds, Inc., Piqua, Ohio	7	0
Young's Mill, Alden, N. Y.	3	3
Young's Vitamin and Mineral Products Co., Roaring Spring, Pa.	1	1

TABLE II—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
250	Agway Inc., Syracuse, N. Y. Delaware 20% Dairy	Equiv. crude protein from non-protein nitrogen	3.93%	5.1%	Principally ground corn, soybean meal, alfalfa meal, corn gluten feed, meat and bone scrap
72	Egg Producer-21 (A) Medicated (Laying Mash)				
1053 1383	Egg Producer-21 (A) Medicated (Laying Mash) Gro Bits	Calcium Furazolidone	2.70%—3.70%	4.77% 0.012%	Furazolidone not guaranteed
1031 692 697	Lay Bits (A) Medicated Super Test Feed Albany-Bordentown 32% Mixer Krums	Arsanilic acid Protein Protein	0.010% 16.0% 32.0%	0.006% 14.6% 29.8%	
1590	Akron Coop. G. L. F. Service, Inc., Akron, N. Y. Akron 20% Laymore Mash Medicated	Protein Arsanilic Acid Fat Fiber	20.0% 0.015%	17.3% 0.011% 4.5% 6.2%	Buckwheat hulls present —not guaranteed Fat, fiber and equiv. crude protein from non-protein nitrogen not guaranteed
1589	Erie 16% Dairy	Equiv. crude protein from non-protein nitrogen		6.5%	Principally ground oats, ground corn, wheat middlings, corn gluten feed, salt, molasses
1007	Albers Milling Co., Los Angeles, Calif. Albers Lab-Mix Layer	Manganese (Min.) Iodine (Min.) Calcium	0.500% 0.015% 0.10%—0.50%	0.368% 0.008% 0.83%	
1088	Albers Lab-Mix Layer	d-Pantothenic acid (Min.) Niacin (Min.) Calcium	200 mg./lb. 400 mg./lb. 0.10%—0.50%	138 mg./lb. 272 mg./lb. 0.87%	
3328	Alder Bros., Rome, N. Y. Alders' Premium Laying Mash				Ground barley present— not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
2019 1267 1071	Allied Mills, Inc., Chicago, Ill. Wayne Broiler Finisher Mixer Medicated M-60 Wayne 42% Poultry Mixer Medicated M-29 Wayne Hog Balancer Medicated M-64	Amprolium Arsanilic acid Salt	0.0385% 0.025% 2.00%—3.00%	0.002% 0.034% 1.20%	Water-soluble chlorides calculated as sodium chloride Rice hulls present—not guaranteed Rice hulls present—not guaranteed Water-soluble chlorides calculated as sodium chloride
2015 2046 1954	Wayne Horse Krunch Wayne Horse Krunch Wayne Pig Balancer Medicated M-29	Salt	1.75%—2.75%	1.18%	
3752	Wayne Pig Balancer Medicated M-29	Arsanilic acid	0.040%	0.024%	
3505	American Bird Food Mfg. Corp., Chicago, Ill. 3 Vees Hamster Food				Sorghum, millet, peas, sunflower seeds, weed seeds (principally yellow foxtail), whole grain wheat and whole grain oats present—not guaranteed
2506 3694 3504	3 Vees Hamster Treat 3 Vees Hamster Treat 3 Vees Vitamin Hamster Treat	Fiber	10.0%	12.2%	Dehydrated carrots present—not guaranteed Dehydrated carrots present—not guaranteed Dehydrated carrots present—not guaranteed
19	Apara, Vincent, Bronx, N. Y. Brand Name Not Given	Protein Fat Fiber		12.8% 1.7% 0.5%	Guaranteed analysis not stated Principally dried bakery product

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3503	Aquarium Supply Co., Div. of Sternco Industries, Inc., Allendale, N. J. Perma Life Hamster Food				Weed seeds (principally yellow foxtail) present—not guaranteed
53	Perma Life Hamster Nibble	Protein	15.5%	13.7%	Sorghum present—not guaranteed
3594	Perma Life Hamster Nibble	Protein	15.5%	13.8%	Sorghum present—not guaranteed
3639	Perma Life Hamster Nibble	Protein	15.5%	13.1%	Sorghum present—not guaranteed
3595	Perma Life Hamster Treat				Dehydrated carrots present—not guaranteed
3640	Perma Life Hamster Treat	Fiber	10.0%	11.4%	Dehydrated carrots present—not guaranteed
462	Archer-Daniels-Midland Co., Minneapolis, Minn. 36% Protein Solvent Extracted Linseed Oil Meal, Pea Size	Acid-insoluble ash		0.84%	Excessive in acid-insoluble ash
3717	Atwater Co., The, Locke, N. Y. "Atwatco" 16% Dairy Ration				Linseed guaranteed—not present
3778	"Atwatco" 16% Dairy Ration				Linseed guaranteed—not present
12044	"Atwatco" 16% Dairy Ration				Linseed guaranteed—not present
3760	Auburn Coop. G.L.F. Service, Inc., Auburn, N. Y. Auburn Grow Mash Medicated	Arsanilic acid	0.016%	0.010%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3768	Avon Branch of A. and G. Coop. G.L.F. Service, Inc., Avon, N. Y. Avon 16% Dairy	Equiv. crude protein from non-protein nitrogen	3.3%	4.2%	Dried beet pulp present —not guaranteed
12033	Baker and Sons, H. L., Dalton, N. Y. Baker's Fortified Blue Tag 18% Dairy Feed	Fat Equiv. crude protein from non-protein nitrogen	4.0% 4.5%	3.5% 5.6%	
3292 790	Barber and Bennett, Inc., Albany, N. Y. Fort Orange Cage Layer Crumbles Fort Orange Drought Dairy	Calcium Calcium Salt	27.00%—30.00% 27.00%—30.00% 1.00%—1.20%	37.53% 37.51% 1.85%	Water-soluble chlorides calculated as sodium chloride
913 1084 88	Barker, Moore and Mein Co., Inc., Lebanon, Pa. Barker's Bar-Min No. 1 Barker's Bar-Min No. 1 Barker's Vi-Pro-Min (Pellets for Horses)	Manganese (Min.)	0.030%	0.006%	
3655	Barker's Vi-Pro-Min (Pellets for Horses)				Linseed meal guaranteed —not present
4690	Batavia Coop. G.L.F. Service, Inc., Batavia, N. Y. Genesee Fitting Ration	Equiv. crude protein from non-protein nitrogen Arsanilic acid	2.65% 0.016%	5.5% 0.003%	
4692	Genesee 14% Dairy				
4691	Genesee Laying Mash Medicated				
3525	Bay State Milling Co., Clifton, N. J. Flour Middlings	Protein Fat Fiber		16.0% 4.0% 5.7%	Guaranteed analysis not stated

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1239	Beacon Feeds, Beacon Div. of Textron, Inc., Cayuga, N. Y. Unlabeled. Believed to be: Beacon Hi-Energy 16 Test Pct-Ets	Protein Fat Fiber		17.2% 4.1% 6.8%	Guaranteed analysis not stated Principally ground oats, wheat middlings, linseed meal, ground corn, soybean meal, ground barley, corn distillers dried grains, molasses
1957 96	Be-Co Mixer 275 Ground Oats	Phosphorus (Min.)	1.75%	1.50%	Ground barley present far in excess of 3%
3124 3967	Birkett Mills, The, Penn Yan, N. Y. Buckwheat Feed Buckwheat Feed	Protein Fat Protein	15.0% 3.5% 15.0%	13.2% 3.0% 12.7%	
880	Black Bros., Inc., Big Flats, N. Y. Black's 18% Dairy Ration	Equiv. crude protein from non-protein nitrogen	2.62%	3.2%	
3918	Bliss Mills, Newark Valley, N. Y. Bliss Mills 16% High Energy	Equiv. crude protein from non-protein nitrogen		2.7%	Equiv. crude protein from non-protein nitrogen not guaranteed
3916 3917	Bliss Mills Starting and Growing Mash Bliss Mills Super Breeding and Laying Mash	Protein Protein	20.0% 20.0%	17.4% 17.1%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
	Boonville Coop. G.L.F. Service, Inc., Boonville, N. Y.				
369	Boonville Adirondack 18% Dairy	Equiv. crude protein from non-protein nitrogen	4.25%	5.2%	Fat, fiber and equiv. crude protein from non-protein nitrogen not guaranteed
4696	Boonville Adirondack 18% Dairy	Fat Fiber Equiv. crude protein from non-protein nitrogen		4.0% 6.3% 5.1%	
2079	Briggs, Inc., D. K., Great Bend, N. Y. Briggs Fortified 24% Dairy Supplement	Equiv. crude protein from non-protein nitrogen	8.0%	9.7%	Linseed oil meal guaranteed—not present
1	Burnett's Pet Foods, Inc., Newark, N. J. Burnett's Hamster Food				Millet and alfalfa present—not guaranteed
2505	Burnett's Hamster Food				Millet and alfalfa present—not guaranteed
3506	Burnett's Hamster Food				Alfalfa, millet, weed seeds (principally yellow foxtail and bird rape) and canary grass seed present—not guaranteed
3339	Camden Coop. G.L.F. Service, Inc., Camden, N. Y. Camden Hog Feed				Linseed meal present—not guaranteed
2076	Mad River Dairy				Ground rye present—not guaranteed
3338	Mad River Dairy	Equiv. crude protein from non-protein nitrogen		0.8%	Equiv. crude protein from non-protein nitrogen not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
570	Carpenter and Adams, Ellenburg Depot, N. Y. North Country 16% Protein Dairy Ration				Soybean oil meal guaranteed—not present Cottonseed meal present—not guaranteed
1738	Cassadaga Farmers' Co-op. Ass'n., Inc., Cassadaga, N. Y. C. F. C. M. Dairy Feed	Equiv. crude protein from non-protein nitrogen		1.1%	Equiv. crude protein from non-protein nitrogen not guaranteed Dried beet pulp guaranteed—not present Linseed meal present—not guaranteed
1398	Catskill Valley Mills, Inc., Catskill and Oak Hill, N. Y. Dean's Growing Mash				Corn distillers dried grains guaranteed—not present
3145	Central Grain Co., Ltd., St. Boniface, Manitoba, Canada Ground Flax Screenings	Protein Fat	15.0% 10.0%	12.3% 5.3%	Misbranded in that it is ground mixed screenings and contains less than 70% grain
3929	Ground Flax Screenings	Protein Fat Ash	15.0% 10.0%	12.9% 6.7% 6.56%	Excessive in ash Misbranded in that it is ground mixed screenings and contains less than 70% grain

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3361	Ground White Oats	Protein Fiber	10.0% 15.0%	7.4% 21.9%	Principally ground white oats and oat hulls
174	Central Soya, McMillen Feed Division, Fort Wayne, Ind. Pullet Concentrate 163	Calcium	4.30%–5.30%	5.92%	
1607	Christiano Alfalfa Milling Co., Cuylerville, N. Y. Dehydrated Alfalfa Meal	Fiber	27.0%	32.5%	
12026	Churchville Coop. G.L.F. Service, Inc., Churchville, N. Y. Churchville 16% Dairy				Dehulled solvent ex- tracted soybean meal guaranteed—not pres- ent
12025	Churchville Special Laying Mash Medicated	Arsanilic acid	0.017%	0.010%	
1312	Clintondale Supply Co., Clintondale, N. Y. Clintondale Laying Mash	Arsanilic acid	0.0125%	Less than 0.002%	
4917	Clintondale Laying Mash	Arsanilic acid	0.0125%	Less than 0.002%	
357	Collins, Clarence, Malone, N. Y. Collins Fortified Fitting				Linseed oil meal guaran- teed—not present
1725	Conewango Valley Mills, Conewango Valley, N. Y. Supreme All Mash Layer	Fat Fat Phosphorus (Min.) Arsanilic acid	4.0% 6.0% 2.00% 0.03968%	3.1% 5.0% 1.70% 0.060%	Ground oats present— not guaranteed
1730	Supreme Fitting Ration				
1735	Supreme Milk Replacer				
1734	Supreme Pig and Hog Supplement Medicated				

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1728	Supreme Pig Starter Pellets Medicated	Arsanilic acid	0.00992%	0.020%	
1003	Co-operative Feed Dealers, Inc., Chenango Bridge, N. Y. Certified Medicated Formula Base Poultry Swine Calf	Riboflavin (Min.) Calcium	36.0 mg./lb. 3.00%—4.00%	20.0 mg./lb. 5.13%	
219	Coop. G.L.F. Exchange, Inc., Ithaca, N. Y.	Zoalene	0.0083%	0.002%	
3508	All-Mash Grower Medicated	Protein	17.0%	15.0%	
1984	Big Red Rabbit Food (Pellets) Compact 16 Dairy Formulets	Equiv. crude protein from non-protein nitrogen			
1981	G.L.F. Early Bird Medicated (Pre-Starter)	Fat	2.62%	3.3%	
2037	G.L.F. Early Bird Medicated (Pre-Starter)	Fat	6.0%	5.2%	
64	Guinea Pig Diet	Fat	6.0%	5.1%	
3653	Guinea Pig Diet	Fat	4.0%	3.0%	
3950	Medicated Adjuster 3-5 Unscreened Crumbles	Fat	4.0%	3.3%	
4909	16% Pasture Pellets	Fat	5.5%	4.3%	
		Fiber	3.0%	4.1%	
		Equiv. crude protein from non-protein nitrogen			
458	Super Exchange Dairy Albany	Protein	4.0%	4.9%	
3238	Super-Matic Medicated (Super All Mash Laying Ration)		20.0%	17.4%	
2027	Daisy Flour, Inc., Rochester, N. Y. Winter Wheat Midds with Ground Screenings Not To Exceed Mill Run	Arsanilic acid	0.010%	0.014%	
3138	Dean and Lee, Horseheads, N. Y.	Fat	4.0%	3.4%	
3931	Pathfinder Jumbo Starter-Broiler Medicated	Fat	6.0%	5.3%	
3141	Pathfinder Jumbo Starter-Broiler Medicated	Fat	6.0%	4.9%	
3140	Pioneer Complete Calf Starter Pioneer 30% Dairy Mixing Ration	Protein	19.0%	17.2%	
		Protein	30.0%	27.8%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
4929	Dean's Catskill Valley Mills, Inc., Catskill, N. Y. Dean's Dairy Ration				Dried beet pulp present —not guaranteed
4927	Dean's Fitting Ration				Dried beet pulp present —not guaranteed
211	Decker and Son, Inc., E. M., Andes, N. Y. Decker's 18% Yellow Tag Dairy Ration				Linseed oil meal guar- anteed—not present
214	Decker's 16% Dairy Ration				Linseed oil meal guar- anteed—not present
213	Decker's 12% Fitting Ration				Linseed oil meal guar- anteed—not present
111	Delaware Milling Co., Inc., Deposit, N. Y. Delaware Complete Chick Starter Medicated	Protein	21.0%	16.3 ^{or} %	
1251	Delaware 21% Complete Chick Starter Medicated	Sulfaquinoxaline	0.015%	0.010 ^{or} %	
241	Unlabeled. Believed to be: Delaware Pig and Hog Feed	Protein Fat Fiber		17.0 ^{or} % 4.1% 5.6%	Guaranteed analysis not stated Principally ground corn, ground oats, wheat bran, alfalfa meal, soy- bean meal, meat and bone scrap, wheat mid- dlings, corn gluten feed and fish meal
4901	Delhi Coop. G.L.F. Service, Inc., Delhi, N. Y. Delhi Dairy with Formulets	Equiv. crude protein from non-protein nitrogen	2.62%	3.2%	
4902	Delhi 16%	Equiv. crude protein from non-protein nitrogen	2.62 ^{or} %	3.2 ^{or} %	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
753	Economy Grain and Feed Co., Ltd., Winnipeg, Manitoba, Canada Can. Coarse Ground Heavy White Oats with Wheat Heads	Protein Fat Fiber		8.9% 3.0% 21.1%	Guaranteed analysis not stated
82	8 In 1 Pet Products, Inc., Long Island City, N. Y. 8 In 1 Gold Medal Brand Hamster Food	Protein Fat Fiber		11.9% 5.3% 6.7%	Guaranteed analysis not stated Principally sunflower seeds, sorghum, wheat, millet, canary grass seed, buckwheat, ground oats, alfalfa, soybean meal
3	8 In 1 Hamster Treat				Meat scrap, bone meal, poultry by-product meal and hydrolyzed poultry feathers present—not guaranteed
74	8 In 1 Hamster Treat				Meat scrap, bone meal, poultry by-product meal and hydrolyzed poultry feathers present—not guaranteed
3643	8 In 1 Hamster Treat				Meat scrap, bone meal, poultry by-product meal and hydrolyzed poultry feathers present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3942	Eldred and Co., Inc., Charles H., Bainbridge, N. Y. Eldred's 20% Starter Mash Medicated	Protein Fiber Nitrofurazone	20.0% 5.0% 0.0055%	17.9% 5.7% 0.008%	
655	Elmore Milling Co., Inc., Oneonta, N. Y. Elmore Chixsaver Medicated (1 Z)	Zoalene	0.0125%	0.009%	
768	Elmore Chixsaver Medicated (1 Z)	Zoalene	0.0125%	0.009%	
3254	Elmore Chixsaver Medicated (1 Z)	Zoalene	0.0125%	0.008%	
427	Elmore 44% Mixing Feed	Fiber	7.0%	7.9%	
1249	Elmore Test Ration 18%	Equiv. crude protein from non-protein nitrogen	23.0%	29.7%	Wheat bran present—not guaranteed
681	Elmore Turkey 30% Pro-Starter Mash (Or Crumbles) Medicated	Fat	4.0%	3.5%	
		Protein	30.0%	28.0%	
3335	Eshelman and Sons, John W., Lancaster, Pa. Pure Blend Dairy Feed	Furazolidone	0.011%	0.007%	
204	Red Rose Complete Laying Ration	Calcium	2.80%–3.80%	2.32%	Cottonseed meal present—not guaranteed
464	Fairbanks, Herbert J., Gloversville, N. Y. Hog Grower	Fat	4.0%	3.5%	
467	30% Dairy Mixing Feed	Fat	3.5%	2.8%	
1020	Fairway Milling and Grain Co., Ltd., Manitoba, Canada Ground Flax Screenings	Fat Ash	10.0%	8.1% 8.16%	Excessive in ash Misbranded in that it is ground mixed screenings and contains less than 70% grain

TABLE II—Cont'd.—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
206	Ground Mixed Screenings	Protein Fat Fiber Ash		14.0% 4.6% 28.6% 6.37%	Guaranteed analysis not stated Excessive in fiber
1719	Farmers Mill, Inc., Sherman, N. Y. Special Dairy				Linseed meal guaranteed —not present
1315	Ford-Weld and Cox, Inc., Johnson, N. Y. Unlabeled. Believed to be a Dairy Feed	Protein Fat Fiber		16.9% 3.9% 7.2%	Guaranteed analysis not stated Principally crimped oats, wheat bran, corn distillers dried grains, linseed meal, ground corn, corn gluten feed, molasses, salt
1217	Fox Co., Newfield, N. J. Unlabeled. Believed to be Peruvian Fish Meal	Protein Fat Fiber		63.9% 4.6% 2.3%	Guaranteed analysis not stated Principally fish meal
20	Gallo Seed and Pet Supply, East Rutherford, N. J. Gallo's Animal Food For Hamsters, Guinea Pigs, Rabbits	Fat	2.5%	2.1%	
3507	Geisler Pet Products, Bronx, N. Y. Geisler Hamster Food	Fiber	8.0%	9.7%	Weed seeds (principally yellow foxtail) present —not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3695	Geisler Hamster Food				
1027	General Mills, Inc., Minneapolis, Minn. Defatted Wheat Germ Meal	Fat	5.0%	3.8%	Weed seeds (principally yellow foxtail) present—not guaranteed
3709	Geneva Coop. G.L.F. Service, Inc., Geneva, N. Y. Geneva 16% Dairy	Equiv. crude protein from non-protein nitrogen Protein	4.0%	5.2%	
3754	Geneva 16% Dairy		16.0%	13.1%	
42	Getkin-Moyer, Inc., Norristown, Pa. Brewers Dried Yeast	Fat Fiber	1.0% 3.0%	0.6% 3.5%	
440	Golden Gem Growers, Inc., Umatilla, Florida Golden Gems Sweet Dried Citrus Pulp	Fat	2.5%	2.0%	
2075	Goodsell, C. F., Fernwood, N. Y. Economy 16% Dairy				Misbranded in that it contains 87 noxious weed seeds (quack-grass, agropyron repens) per pound Ground rye present—not guaranteed
320	Gould Feeds, Lake Grove and Eastport, N. Y. Gould Duck Breeder Conditioner	Arsanilic acid	0.00008818%	0.011%	
552		Arsanilic acid	0.00008818%	0.009%	
2507		Fiber	8.0%	11.5%	
3690		Fiber	8.0%	9.1%	Ground oats present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3705	Graf's Mill, Port Byron, N. Y. Graf's 16% Dairy Feed	Equiv. crude protein from non-protein nitrogen	1.5%	2.0%	Misbranded in that it contains 396 noxious weed seeds (quackgrass, agropyron repens) per pound
911 909	Gramco, Inc., Cattaraugus, N. Y. Gramco Egg Mash Gramco 12% Super Fitting Ration	Protein Fat	20.0% 3.75%	18.0% 3.2%	Soybean meal and cotton seed meal guaranteed—not present Cottonseed meal guaranteed—not present Cottonseed meal guaranteed—not present Cottonseed meal guaranteed—not present
1066 1563 1634	Gramco 12% Super Fitting Ration Gramco 12% Super Fitting Ration Gramco 12% Super Fitting Ration	Protein	14.0%	9.8%	
3696	Grande and Co., Maspeth, N. Y. Hamster Food	Protein			
456	Granville Coop. G.L.F. Service, Inc., Granville, N. Y. Granville 16% Dairy Formulets	Equiv. crude protein from non-protein nitrogen	2.62%	4.4%	
56 3656 57 3661	Greenport Feed Corp., Maspeth, N. Y. Greenport Bulk-O-Lass Greenport Bulk-O-Lass Greenport Dairy Production Pellets Greenport Dairy Production Pellets	Fat Fat	3.5% 3.5%	2.9% 2.6%	Soybean meal guaranteed—not present Soybean meal guaranteed—not present

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
751	Greenwich Feed and Farm Supply, Greenwich, N. Y. Green-Rich 16 Complete Egg Ration	Calcium	2.53%—3.53%	1.68%	
1604	Griggs and Ball Co., East Aurora, N. Y.	Protein	26.0%	22.1%	
1530	Hi-Energy Chick Grower Medicated	Zoalene	0.0083%	0.003%	
1602	Hi-Energy Chick Grower Medicated	Zoalene	0.0083%	0.006%	
1626	Hi-Energy Chick Grower Medicated	Protein	20.0%	18.3%	
1601	Hi-Energy Chick Starter Medicated	Zoalene	0.0083%	0.005%	
		Zoalene	0.0125%	Less than 0.001%	
3264	Hales and Hunter Co., Chicago, Ill. Pioneer 30 Milker Mixer	Phosphorus (Min.) Protein	1.50% 20.0%	1.23% 18.2%	Brewers dried grains present—not guaranteed
745	Pioneer 32 Dairy Mixer	Equiv. crude protein from non-protein nitrogen	3.75%	5.3%	
500	Pioneer 20 Milker	Equiv. crude protein from non-protein nitrogen	3.75%	5.0%	
746	Pioneer 20 Milker	Zoalene	0.0083%	0.002%	
793	Pioneer 20 Milker	Amprolium	0.009%	0.009%	
3266	Red Comb Complete Grower Medicated	Nitthiazide	0.025%	0.016%	
3568	Red Comb Growing Mash Medicated	Ureidobenzene arsonic acid	0.0375%	0.028%	
3579	Red Comb Turkey Grower 20 Medicated				
3671	Red Comb Turkey Grower 23 0018 Medicated				
3501	Hartz Mountain Products Corp., New York, N. Y. Hartz Mountain Hamster Food	Protein	15.5%	10.9%	Weed seeds (principally yellow foxtail) present—not guaranteed
3503	Hartz Mountain Hamster Nibble	Fat	6.0%	4.2%	Sorghum present—not guaranteed
9637	Hartz Mountain Hamster Nibble				Sorghum present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3700	Hartz Mountain Hamster Nibble				Sorghum present—not guaranteed
61	Hartz Mountain Hamster Sandwich	Fat	6.0%	4.1%	Whole grain wheat present—not guaranteed
3681	Hartz Mountain Hamster Sandwich	Fat	6.0%	4.5%	Whole grain wheat present—not guaranteed
3502	Hartz Mountain Hamster Treat				Dehydrated carrots present—not guaranteed
3638	Hartz Mountain Hamster Treat				Dehydrated carrots present—not guaranteed
3174	Hinman Mills, Inc., Deposit, N. Y. Hinman's 18% Butterfat				Dried beet pulp present—not guaranteed
3632	Hinton and Co., Inc., New York, N. Y. Hinton's Hamster Food				Weed seeds (principally yellow foxtail), millet and alfalfa present—not guaranteed
142 276	Hoffman-La Roche, Inc., Formerly The Ray Ewing Co., Nutley, N. J. Premix No. 7 Premix No. 7	Manganese (Min.) Iodine (Min.)	6.2965% 0.0498%	4.03% 0.029%	
1268	Hortonville Grange Co-op. Assn., Inc., Hortonville, N. Y. Co-op Fitting Ration				Linseed meal guaranteed—not present
1269	Co-op Hi-Milk 20	Fat	4.0%	3.5%	Linseed meal guaranteed—not present
1263	Co-op Milk Producer (Part Pellets)				Linseed meal guaranteed—not present

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1311	Howard and Son, E. A., Central Bridge, N. Y. Howard's Chick Starter Mash Medicated	3-Nitro 3, 5-Dinitrobenzamide Acetyl (p-nitrophenyl) sulfanilamide Equiv. crude protein from non-protein nitrogen	0.005% 0.025% 0.030% 3.144%	0.002% 0.011% 0.014% 4.1%	Linseed oil meal guaran- teed—not present Linseed oil meal guaran- teed—not present
256	Inter-County Farmers Coop. Ass'n., Inc., Wood- ridge, N. Y. Co-op Brand All Mash Replacement Pullet Grower Medicated	Amprolium	0.004%	0.007%	Ground barley and ground wheat present —not guaranteed
254	Co-op Brand Complete NF-180—"200" (Medi- cated Feed)				
949	International Cheese Co., Inc., Hinesburg, Ver- mont Dried Whole Whey	Fat		1.0%	Fat not guaranteed
4674	International Salt Co., Clarks Summit, Pa. Sterling Blusalt Medicated	Manganese (Min.)	0.250%	0.162%	
945	International Stock Food Corp., Waverly, N. Y. I-S-F Straight Mineral Mix No. 17	Calcium Phosphorus (Min.)	22.00%—24.00% 17.00%	20.00% 15.42%	
1085	I-S-F Straight Mineral Mix No. 17	Calcium Phosphorus (Min.)	22.00%—24.00% 17.00%	20.64% 15.37%	
3905	I-S-F Straight Mineral Mix 17%	Phosphorus (Min.)	17.00%	12.96%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3906	I-S-F Mineral Supplement For All Farm Animals	Salt	None	1.02%	Water-soluble chlorides calculated as sodium chloride
1042	Kellogg, Spencer, Div. of Textron Inc., Minneapolis, Minn. Spencer Kellogg's 31% Protein Old Process (Expeller) Linseed Meal	Acid-insoluble ash		0.98%	Excessive in acid-insoluble ash Corn gluten meal present—not guaranteed
931	Killawog Red Mills, Killawog, N. Y. Killawog Red Mills 20% Dairy Ration	Fat	3.5%	2.7%	
1238	Krause Milling Co., Chas. A., Buffalo, N. Y. Unlabeled. Believed to be: Yellow Hominy	Protein Fat Fiber		10.8% 5.7% 3.9%	Guaranteed analysis not stated Principally yellow hominy feed
1219	La Budde Feed and Grain Co., Milwaukee, Wisc. Unlabeled. Believed to be: Peanut Skins	Protein Fat Fiber		13.4% 24.2% 13.6%	Guaranteed analysis not stated Principally peanut skins
1513	Malt Cleanings	Protein Fat Fiber		14.8% 3.2% 14.8%	Guaranteed analysis not stated
1752	Malt Cleanings	Protein Fat Fiber		17.2% 1.3% 18.3%	Guaranteed analysis not stated
1701	Laing's Mill, Eden, N. Y. Laing's Check-R-Mix Laying Feed All Mash	Protein	16.0%	14.4%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
207	Liddle Bros., Andes, N. Y. Liddle's Special 18%	Fat Fiber		3.8% 5.9%	Fat and fiber not guaranteed Principally wheat bran, ground oats, ground corn, soybean meal, corn distillers dried grains
44	Limestone Products Corp. of America, Newton, N. J. G-Mico Poultry	Zinc		5.17%	Zinc not guaranteed
3314	Lowville Feed and Grain Co., Inc., Lowville, N. Y. 20% Dairy Ration	Equiv. crude protein from non-protein nitrogen	2.7%	3.7%	
890	McGraw Coop. G.L.F. Service, Inc., McGraw, N. Y. McGraw 16% Dairy	Equiv. crude protein from non-protein nitrogen	1.5%	2.0%	
360	Malone Feed and Farm Supply, Inc., Malone, N. Y. Five Star Calf Starter and Grower	Salt (Max.) Calcium	0.50% 1.00%-2.00%	0.52% 1.58%	Cottonseed meal guaranteed—not present Cottonseed meal guaranteed—not present
559	Five Star Calf Starter and Grower				Water-soluble chlorides calculated as sodium chloride
361	Five Star Fitting Ration				Soybean meal and cottonseed meal guaranteed—not present

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
561	Five Star Fitting Ration	Calcium Salt (Max.)	1.00% 2.00% 0.50%	0.58% 1.69%	Water-soluble chlorides calculated as sodium chloride
358	Five Star 16% Dairy Ration				Cottonseed meal guaranteed—not present
359	Five Star 20% Dairy Ration Regular				Cottonseed meal guaranteed—not present
560	Five Star 20% Dairy Ration Regular				Cottonseed meal guaranteed—not present
1034	Marshall's Feed Mill, Horseheads, N. Y. Marshall's 18% Dairy Ration				
3925	Marshall's 18% Dairy Ration	Equiv. crude protein from non-protein nitrogen	2.62%	3.2%	
3211	Marshall's High Energy 16% Dairy Ration	Equiv. crude protein from non-protein nitrogen	2.62%	3.2%	
3212	Marshall's High Energy 16% Dairy Ration	Fat	4.5%	2.7%	
1038	Marshall's Turkey and Game Bird Grow	Fat	4.5%	3.4%	
3922	Marshall's Turkey and Game Bird Grow	Protein	28.0%	24.1%	
1036	Marshall's 20% Growing Mash	Protein	28.0%	24.3%	
1078	Marshall's 20% Growing Mash				Crab meal guaranteed—not present. Fish meal present—not guaranteed
3928	Marshall's 20% Growing Mash	Fat	4.0%	3.4%	
3927	Marshall's 20% Laying Mash				Crab meal guaranteed—not present. Fish meal present—not guaranteed
3921	Marshall's 20% Starter Mash Medicated	Protein Amprolium	20.0% 0.010%	18.0% 0.007%	
662	Maxon Mills, Inc., Wassaic, N. Y. Maxon Calf Starter	Protein	18.0%	13.0%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
437	Maxon 18% Test	Protein	18.0%	15.8%	Linseed oil meal or pellets guaranteed—not present
777	Maxon 18% Test				Soybean oil meal or pellets guaranteed—not present
3223	Maxon 18% Test				Linseed oil meal or pellets guaranteed—not present
438	Maxon 14% Fitting				Linseed oil meal or pellets guaranteed—not present
778	Maxon 14% Fitting				Soybean oil meal or pellets, linseed oil meal or pellets guaranteed—not present
3221	Maxon 14% Fitting				Linseed oil meal or pellets guaranteed—not present
3222	Maxon 16% Test	Fiber Protein	8.0% 17.5%	10.9% 16.2%	Linseed oil meal or pellets guaranteed—not present
1039	Medbury and Neilsen, New Berlin, N. Y. M. and N. Calf Starter				Dried beet pulp present—not guaranteed
1081	M. and N. Calf Starter				
3989	M. and N. Calf Starter				
3990	M. and N. Pasture Ration				Ground barley and soybean meal present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
284	Middleburg Coop. G.L.F. Service, Inc., Middleburg, N. Y. Corn and Oats	Protein Fat Fiber		11.7% 3.1% 5.4%	Guaranteed analysis not stated
283	Middleburg 16% Dairy	Equiv. crude protein from non-protein nitrogen	3.93%	5.0%	Crimped barley present—not guaranteed
944	Moon and Co., Inc., George Q., Binghamton, N. Y. Moon Turkey Grower Mash	Fat	4.0%	3.5%	
2069 2070	Moravia Coop. G.L.F. Service, Inc., Moravia, N. Y. Laying Mash Medicated Medicated Growing Mash	Arsanilic acid Arsanilic acid	0.016% 0.016%	0.002% 0.004%	
10	Morton Salt Co., Chicago, Ill. Morton T—M Trace-Mineralized Salt	Salt		99.52%	Water-soluble chlorides calculated as sodium chloride
85	Morton Trace-Mineralized Mixing Salt Multi Purpose	Cobalt Copper Manganese Iron		0.013% 0.040% 0.173% 0.248%	Guaranteed analysis not stated
180	Narrowsburg Feed and Grain Co., Narrowsburg, N. Y. Honor Brand All-Mash Grow N' Lay	Manganese (Min.) Iodine (Min.)	0.582% 0.011%	0.451% 0.005%	Ground barley present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1377 194	Honor Brand All-Mash Grow N' Lay Honor Brand Calf Grower Ration	Protein	16.0%	14.6%	Corn distillers dried grains present—not guaranteed
195	Honor Brand Calf Starter Ration				Meat and bone scrap present—not guaranteed
190	Honor Brand "Custom-Egg" All-Mash Layer				Ground barley present—not guaranteed
191 1379	Honor Brand Special 20% Dairy Ration Honor Brand Special 20% Dairy Ration	Protein Equiv. crude protein from non-protein nitrogen	20.0%	17.5%	
186	Honor Brand 20% "Hi-Test" Dairy Ration	Equiv. crude protein from non-protein nitrogen	3.9%	5.0%	Soybean meal present—not guaranteed
			3.9%	7.6%	
887 3189	Nichols Coop. G.L.F. Service, Inc., Nichols, N. Y. Nichols 20% Dairy Nichols 20% Dairy	Protein Equiv. crude protein from non-protein nitrogen	20.0%	18.1%	
			3.0%	4.3%	
2050 3751	Nightingale Mills, Inc., Marcellus, N. Y. Camillus Mills 44% Mixing Feed Camillus Mills 24% Dairy	Protein Protein	44.0% 24.0%	35.2% 21.1%	
155 1399 156	Ogden Grain Co., Utica, N. Y. Ogden 20% Laying Feed Ogden 20% Laying Feed Ogden 20% Turkey Grower and Developer	Fat Fiber Fat Fiber	3.5% 4.5% 5.0% 4.5%	2.9% 5.4% 3.3% 6.3%	
1400	Ogden 20% Turkey Grower and Developer	Fat Fiber	5.0% 4.5%	2.7% 6.2%	
154	Stamm 20% Supplement (For Horses)	Calcium (Min.)	1.80%	1.30%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
2088	Oncida Milling Co., Inc., Oncida, N. Y. Oncida Bulky 32 Pre-Mix				Linseed oil meal guaranteed—not present
2090	Oncida Dairy Builder				Linseed oil meal guaranteed—not present
2100	Oswego Coop. G.L.F. Service, Inc., Oswego, N. Y. Oswego Hog Feed				Adulterated with mercury
3762	Palmyra Coop. G.L.F. Service, Inc., Palmyra, N. Y.				
3763	Palmyra Laying Mash Medicated Palmyra 16% Dairy	Arsanilic acid Equiv. crude protein from non-protein nitrogen	0.016% 2.62%	0.011% 11.1%	
12039	Penn Yan Coop. G.L.F. Service, Inc., Penn Yan, N. Y. Penn Yan Laying Mash Medicated	Arsanilic acid	0.016%	0.007%	
271	Peter Hand Foundation, Chicago, Ill. Custom Multifac Turkey W/TM No. 4936	Zinc (Min.)	0.400%	0.289%	Canary grass seed present—not guaranteed
87	Petpak Inc., Div. Lowe's Inc., Cassopolis, Mich. Petpak Hamster Food	Fiber	6.0%	6.8%	Canary grass seed present—not guaranteed
3683	Petpak Hamster Food				
1548	Pierce Bros., Delevan, N. Y. O—J Dairy Ration	Equiv. crude protein from non-protein nitrogen		1.1%	Equiv. crude protein from non-protein nitrogen not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1540 1618 1622	Pierce Grain Corp., Buffalo, N. Y. 40% Mobile Dairy Supplement 40% Mobile Dairy Supplement Pre-Mix	Protein Protein Protein Fat Fiber Equiv. crude protein from non-protein nitrogen	40.0% 40.0%	34.2% 37.7% 107.4% * 1.9% 7.4% 91.2%	Guaranteed analysis not stated * Fat includes some urca
163	Pizza Bros., East Meredith, N. Y. 18% Knockout Dairy Ration	Equiv. crude protein from non-protein nitrogen	3.0%	3.7%	
672	Ralston Purina Co., St. Louis, Mo. Purina Cow Chow Concentrate (F) 32%	Salt	1.50%–2.50%	3.33%	Water-soluble chlorides calculated as sodium chloride
770 1703 3386 4698 690 99	Purina Cow Chow Concentrate (F) 32% Purina Cow Chow Concentrate (F) 32% Purina Dairy Concentrate 32% Purina Dairy Concentrate (F) 32% Purina Pro-Lay Eggena Purina Steer Starter (Complete) No. 1 (Plum Island)	Calcium Phosphorus (Min.) Calcium Calcium Calcium	2.50%–3.50% 1.00% 2.50%–3.50% 2.50%–3.50% 2.80%–3.80%	1.19% 0.73% 1.00% 3.91% 1.51%	
3612 736	Purina Steer Starter (Complete) No. 1 (Plum Island) 34% Protein (Solvent Process) Linseed Oil Meal	Equiv. crude protein from non-protein nitrogen Acid-insoluble ash	4.0%	5.5% 1.01%	Ground corn cobs present in violation of Article 8, par. 130, of Agriculture and Markets Law Excessive in acid-insoluble ash

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1561	Randolph Feed and Supply Co., Inc., East Randolph, N. Y.				
1558	R.F.S. Dairy Supplement				Linseed meal present—not guaranteed
	R.F.S. Pig and Hog Ration				Cottonseed meal guaranteed—not present
3261	Red Mills, Inc., The, Claverack, N.Y. Red Mills 20% Laying Mash	Protein	20.0%	18.0%	
1580	Resseguie and Son, B., Middleport and Barker, N. Y. Milk More 20% Dairy Ration				Wheat middlings guaranteed—not present
1611	Milk More 20% Dairy Ration				Misbranded in that it contains 213 noxious weed seeds (quackgrass, agropyron repens) per pound
1638	Milk More 20% Dairy Ration				Linseed oil meal guaranteed—not present
1522	Reliable 18% Growing Mash				Ground rye present—not guaranteed
3448	Reliable 18% Growing Mash				Ground rye present—not guaranteed
1616	Reliable 40% Dairy Concentrate				Ground rye present—not guaranteed
3450	Reliable 16% All Mash Layer				Misbranded in that it contains 680 noxious weed seeds (quackgrass, agropyron repens) per pound.
1526	Reliable 16% Dairy Feed	Fiber	6.0%	7.4%	Ground rye present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1615	Reliable 16% Dairy Feed	Fiber	6.0%	6.8%	Misbranded in that it contains 119 noxious weed seeds (quack-grass, agropyron repens) per pound
3490 1321	Reliable 16% Dairy Feed Reliable 30% Dairy Concentrate	Fiber	6.0%	7.1 ^{cc} %	Ground rye present—not guaranteed
1578	Reliable 30% Dairy Concentrate				Wheat middlings guaranteed—not present
1610	Reliable 30% Dairy Concentrate				Misbranded in that it contains 322 noxious weed seeds (quack-grass, agropyron repens) per pound
1640	Reliable 30% Dairy Concentrate				Misbranded in that it contains 14 noxious weed seeds (quack-grass, agropyron repens) per pound
1523	Reliable 21% Chick Starter Medicated	3-Nitro 3, 5-Dinitrobenzamide Acetyl (p-nitrophenyl)sulfanilamide	0.005% 0.025% 0.030%	Less than 0.001 ^{cc} % 0.005 ^{cc} % 0.017 ^{cc} %	
3449	Reliable 21% Chick Starter Medicated	3-Nitro	0.005%	Less than 0.001 ^{cc} % 0.016 ^{cc} %	Ground rye present—not guaranteed
1525	Reliable Vitalized High Efficiency Egg Mash	3, 5-Dinitrobenzamide	0.025%		Ground rye present—not guaranteed
3447	Reliable Vitalized High Efficiency Egg Mash	Fat	4.0%	3.5 ^{cc} %	Ground rye present—not guaranteed

TABLE II—Cont'd.—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1524	Unlabeled. Said to be: Reliable 16% All Mash Layer	Protein Fat Fiber		16.5% 4.6% 4.4%	Guaranteed analysis not stated Principally ground corn, ground oats, soybean meal, fish meal, meat and bone scrap
1617	Superior 16% Dairy Ration				Misbranded in that it contains 188 noxious weed seeds (quackgrass, agropyron repens) per pound
1502 3500	Richardson Milling Co., Inc., Hamburg, N. Y. Calf Star-Gro Fitting Chop	Fat	4.3%	2.9%	Linseed oil meal guaranteed—not present Ground barley present—not guaranteed
1501	Molly Horse Feed				
3499	R.M.C. Dairy Feed				
1594	Sweet 16 Dairy Feed	Equiv. crude protein from non-protein nitrogen	3.0%	4.2%	Soybean oil meal guaranteed—not present
3498	Sweet 16 Dairy Feed	Equiv. crude protein from non-protein nitrogen	3.0%	4.0%	
1010	Richer Co., Inc., The, I. L., Sherburne, N. Y. Richer's Fortified Fitting and Freshening Ration				Soybean meal present—not guaranteed
1080	Richer's Fortified Fitting and Freshening Ration				Soybean meal present—not guaranteed
3154	Richer's Ready Ration Calf Grower	Hi-Energy Fortified			Alfalfa present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3158 1083	Richer's Ready Ration Super "18" Pre-Mix 24%	Protein	18.0%	16.5%	Dried beet pulp present —not guaranteed
4921	Unlabeled. Said to be: Pre-Mix 24%	Protein Fat Fiber Equiv. crude protein from non-protein nitrogen		26.8% 2.7% 7.4% 7.8%	Guaranteed analysis not stated Principally wheat bran, corn distillers dried grains, soybean meal, corn gluten feed, molasses, ground corn
3460	Rignel Co., Inc., James O., Lockport, N. Y. Super Complete Chick Starter Medicated	Nitrofurazone	0.0036%	Less than 0.001%	
1721	Ripley Feed and Coal Co., Ripley, N. Y. Cornell Poultry Mash No. 4	Protein	16.0%	14.4%	Linseed meal present— not guaranteed
3304 2077	Roe Farm Service, Inc., Limerick, N. Y. 1000 Islands Calf Starter with Pellets 1000 Islands 18% Dairy Ration	Protein	18.0%	16.5%	Old process linseed oil meal guaranteed—not present. Cottonseed meal present—not guaranteed Cottonseed oil meal guaranteed—not present
340	1000 Islands 16% Dairy Ration				Equiv. crude protein from non-protein nitrogen not guaranteed
2073	1000 Islands 16% Dairy Ration	Equiv. crude protein from non-protein nitrogen		2.1%	Old process linseed oil meal guaranteed—not present. Soybean meal present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3302	1000 Islands 16% Dairy Ration				Cottonseed oil meal guaranteed—not present
1391	Roscoe Coal and Feed Co., Roscoe, N. Y. Heller's Dairy Feed				Dried beet pulp present—not guaranteed
1574	Roycraft's Feeds, Inc., Newfane, N. Y. R-V 16% Dairy				Linseed oil meal guaranteed—not present
1587 3452	Sanborn Milling Co., Inc., Sanborn, N. Y. Samico Hog Feed Medicated Samico Hog Feed Medicated	Arsanilic acid Fiber Arsanilic acid	0.0075% 7.0%	0.015% 7.9% 0.009%	Arsanilic acid not guaranteed
1588 3454	Samico Starting Mash Medicated Samico Starting Mash Medicated	3-Nitro 3-Nitro	0.0075% 0.0075%	0.014% 0.003%	
1720	Saunders, Paul A., Mayville, N. Y. Laying Mash				Soybean oil meal guaranteed—not present
2103	Sauquoit Valley Coop. G.L.F. Service, Inc., Washington Mills, N. Y. Sauquoit Valley 16% Dairy	Equiv. crude protein from non-protein nitrogen	2.62%	3.3%	
422 747	Schodack Valley Mills, Castleton-on-Hudson, N. Y. Scho-Vall 18% Dairy Rations Scho-Vall 18% Dairy Rations	Fat	3.5%	2.9%	Old process linseed oil meal guaranteed—not present

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
286 576	Scranton Processing Co., Inc., Scranton, Pa. Scrapro Meat and Bone Meal Scrapro Meat and Bone Meal	Fat Fat	9.0% 9.0%	7.6% 7.4%	
3263 222	Sea Board Supply Co., Philadelphia, Pa. Mineral Base Sea Board Livestock Mineral Feed	Phosphorus (Min.) Salt	10.00% 10.00%—11.00%	9.08% 12.77%	Water-soluble chlorides calculated as sodium chloride
3486	Shamel Milling Co., Inc., East Concord, N. Y. Hi-Energy Laying Mash				Ground wheat present—not guaranteed
239	Sherman Sales Co., H., Chicago, Ill. Improperly Labeled Corn Starch	Protein Fat Fiber		0.6% 0.3% None	Guaranteed analysis not stated Principally corn starch
1215	Improperly Labeled Corn Starch	Protein Fat Fiber		0.4% 0.3% None	Guaranteed analysis not stated Principally corn starch
1714	Sherman Steam Mills, Sherman, N. Y. Edmunds Laying Mash Medicated	Arsanilic acid	0.008%	Less than 0.002%	
140	Stabilized Vitamins Div., Commercial Solvents Corp., Garfield, N. J. Perma-Mix I.F.C. No. 4 Complete All Mash Breeder	d-Pantothenic acid (Min.)	13,800 mg./lb.	7,047 mg./lb.	
1275	Stryker Bros., Jefferson, N. Y. 18% Dairy Ration				Linseed meal present—not guaranteed

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
26	Suffolk Coop. G.L.F. Service, Inc., Riverhead, N.Y. Long Island Duck Grower Pellets	Protein	17.0%	15.6%	
1302	Susquehanna Valley Mills, Otego, N. Y. O-T-GO Fitting Ration Lab-Mix Fortified				Cottonseed meal guaran- teed—not present
1301	O-T-GO Heifer Ration Lab-Mix Fortified				Cottonseed meal guaran- teed—not present
1303	O-T-GO Supreme 18% Dairy Lab-Mix Fortifi- cation				Cottonseed meal guaran- teed—not present
3783	Tallcot Milling Co., Skaneateles, N. Y. Skaneateles Hi-Caloric Growing Mash Medi- cated	Sulfaquinoxaline	0.015%	0.010%	
1609	Thiele Coal and Feed, Inc., North Tonawanda, N. Y. Ground Corn	Protein Fat Fiber 3-Nitro 3-Nitro 3-Nitro		14.9% 4.2% 2.4% 0.002% 0.003% 0.002% 0.003%	Guaranteed analysis not stated
3474 1605 3475 1606	Thiele Pure Growing Mash Medicated Thiele Pure Growing Mash Medicated Thiele Pure Starting Mash Medicated Thiele Pure Starting Mash Medicated		0.0075% 0.0075% 0.0075% 0.0075%		
1050 3106	Tioga Mills, Inc., Waverly, N. Y. Tioga Breedertine Medicated Tioga Dry and Freshening Feed	Calcium Equiv. crude protein from non-protein nitrogen	5.50%–6.50% 1.6%	4.87% 2.1%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
294	Van Buren and Sons, Inc., E. T., Hobart, N. Y. Van Buren's No. 10 Dry Dairy Ration	Equiv. crude protein from non-protein nitrogen		2.7%	Equiv. crude protein from non-protein nitrogen not guaranteed
292	Van Buren's 16% Dairyland Ration	Equiv. crude protein from non-protein nitrogen		3.2%	Equiv. crude protein from non-protein nitrogen not guaranteed
1512	Verity Mills, Inc., Buffalo, N. Y. Verity Come-Boss Sixteen	Fiber	9.0%	10.3%	
1751	Verity Come-Boss Sixteen	Fiber	9.0%	12.1%	
598	Verity 32% Dairy Mixblend	Fiber	6.0%	8.7%	
4661	Verity 32% Dairy Mixblend	Fiber	6.0%	10.5%	
600	Viele's G.L.F. Service, Red Creek, N. Y. Red Creek 16% Dairy	Equiv. crude protein from non-protein nitrogen		1.6%	Equiv. crude protein from non-protein nitrogen not guaranteed Soybean oil meal guaranteed—not present
1212	West-Nesbitt, Inc., Onconta, N. Y. Cream-Line Dairy-Test Ration	Protein	18.0%	16.5%	
3710	Wheat Bros., Inc., Moravia, N. Y. Premium Egg Mash				
888	"Pride and Groom" Spur Base Horse Feed	Calcium (Min.) Phosphorus (Min.) Salt (Max.)	1.00% 1.00% 0.60%	0.58% 0.63% 1.34%	Ground rye present—not guaranteed Water-soluble chlorides calculated as sodium chloride
3167	"Pride and Groom" Spur Base Horse Feed	Salt (Max.)	0.60%	1.22%	Water-soluble chlorides calculated as sodium chloride

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
12042	Wheat's Vitex 16% Dairy Ration				O. P. linseed oil meal guaranteed—not present
11	White Clover Dairy Co., Inc., Kaukauna, Wisc. White Clover Brand Dried Whey-Product 40% Lactose	Protein	23.0%	21.4%	
3957	Whiting and Son, R. H., Binghamton, N. Y. Whiting's High Energy Milk Maker 18% Dairy Ration				Cottonseed meal guaranteed—not present
941	Whiting's 16% Test Ration				Cottonseed meal guaranteed—not present
3958	Whiting's 16% Test Ration				Cottonseed meal guaranteed—not present
367	Wilcox G.L.F. Service, Jordan, N. Y. Pig Feed	Arsanilac acid	0.010%	0.021%	
2005 2048	Wirthmore Feeds, Inc., Waltham, Mass. Wirthmore 44% Dairy Mixing Feed Wirthmore 44% Dairy Mixing Feed	Phosphorus (Min.) Salt	1.00% 4.00%–5.00%	0.75% 2.98%	Water-soluble chlorides calculated as sodium chloride
12049	Wirthmore 44% Dairy Mixing Feed	Phosphorus (Min.) Salt	1.00% 4.00%–5.00%	0.65% 2.26%	Water-soluble chlorides calculated as sodium chloride
2006	Wirthmore 32% Beef Concentrate	Equiv. crude protein from non-protein nitrogen	8.7%	10.9%	
674	Wirthmore Turkey Growing Ration 323 A Medicated	4-Nitro	0.025%	0.019%	

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
3135	Wirthmore 20 Record Dairy Feed	Equiv. crude protein from non-protein nitrogen	6.6%	8.7%	
3481	Wohlhueter Co., The W. E., Colden, N. Y. Wohlhueter's Hog Feed	Protein Fat Fiber		13.7% 3.9% 5.4%	Guaranteed analysis not stated Principally ground corn, ground oats, wheat bran, wheat middlings, alfalfa, linseed meal
2052	Wolcott Coop. G.L.F. Service, Inc., Wolcott, N. Y. Wolcott G.L.F. Laying Mash Medicated	Arsanilic acid	0.016%	0.010%	
289	Xtra Factors, Inc., Ephrata, Pa. Xtra Factors Hi-Flo Dairy	Iodine (Min.) Salt	0.200% None	0.150% 6.22%	Water-soluble chlorides calculated as sodium chloride
1322	Yieldmor Feeds, Inc., Piqua, Ohio 14% Grain Ration Custom Mix of Triple "D" Farm	Fat Fiber		3.8% 4.6%	Fat and fiber not guaranteed Principally crimped corn, crimped oats, corn distillers dried grains, soybean meal, molasses
1325	Yieldmor (Ultra-Lifed) Calf and Heifer Grower Medicated				Linseed meal guaranteed—not present
1326	Yieldmor (Ultra-Lifed) Dairy Balancer	Calcium	8.50%–10.00%	7.37%	Linseed meal guaranteed—not present

TABLE II—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1321	Yieldmor (Ultra-Lifed) Dry and Freshening Ration				Linseed meal guaranteed—not present
1323	Yieldmor (Ultra-Lifed) 14% Grain Ration				Linseed meal guaranteed—not present
1321	Yieldmor (Ultra-Lifed) 14% Grain Ration Medicated				Linseed meal guaranteed—not present
1320	Yieldmor (Ultra-Lifed) 16% Custom Mix Medicated				Wheat shorts and soy-bean meal guaranteed—not present

**TABLE III—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
A		
A-Penn Oil Co., Butler, Pa.	1	0
Adikes, Inc., J. and L., Jamaica, N. Y.	33	17
Agricultural Products Co., Inc., Providence, R. I. . .	5	5
Agway, Inc., Ithaca, N. Y.	71	51
Alaska Fertilizer Co., Seattle, Wash.	1	1
Allied Chemical Corp., Nitrogen Div., Hopewell, Va.	3	3
Aluminum and Chemical Corp., Glorion Div., Green- wich, Conn.	10	8
American Agricultural Chemical Co., The, New York, N. Y.	56	49
American Cyanamid Co., Princeton, N. J.	2	2
American Potash & Chemical Co., Trona, Calif.	1	1
Armour Agricultural Chemical Co., Carteret, N. J. . .	64	42
Asgrow Seed Co., New Haven, Conn.	5	4
Atlantic Fertilizer Corp., Jamesport, N. Y.	4	2
Atlantic Seed Co., Martinsville, N. J.	2	2
Atlas Fish Fertilizer Co., San Francisco, Calif.	1	1
B		
Baugh and Sons, Co., Inc., The, Baltimore, Md.	44	27
Black Magic, Inc., Hermosa Beach, Calif.	6	5
Blackstone Guano Co., Inc., Blackstone, Va.	8	6
Borden Chemical Co., Div. of Borden Co., New York, N. Y.	1	1
Boyle-Midway, Inc., New York, N. Y.	1	1
C		
California Chemical Co., Ortho Div., Richmond, Calif.	5	5
Cambridge Laboratories, Inc., Brooklyn, N. Y.	2	1
Campbell's Fertilizer Co., Inc., Houston, Texas	1	1
Canada Packers Ltd., Shur Gain Div., Montreal, Canada	3	3
Chamberlin and Barclay, Inc., Cranbury, N. J.	4	2
Chilean Nitrate Sales Corp., New York, N. Y.	2	2
Clinton Nursery Products, Inc., Clinton, Conn.	14	13
Consolidated Rendering Co., Boston, Mass.	8	6
Country Squire Fertilizer Co., Farmingdale, N. Y. . .	8	7
Cross Island Hardware Corp., Roslyn Heights, N. Y.	4	3
Curtis and Son, Inc., C. Roy, Marion, N. Y.	13	5

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
D		
Dalsimer, Inc., Landscape Associates Inc., Cedarhurst, L. I., N. Y.	1	1
Davison Chemical Co., Div. of W. R. Grace and Co., Baltimore, Md.	5	4
Dayton Fertilizer Corp., Dayton, N. J.	6	5
Deane Seed Co., Wethersfield, Conn.	1	1
Driconure Co., The, Dearborn, Michigan	1	1
DuPont de Nemours and Co., Inc., E. I., Wilmington, Del.	4	3
E		
Eastern Dehydrating Co., Lexington, N. C.	5	0
Elanco Products Co., Div. of Eli Lilly Co., Indian- apolis, Ind.	10	4
Elwood Florist and Nursery, E. Northport, N. Y.	1	1
Espoma Co., The, Millville, N. J.	7	7
Estate Fertilizer, Riverhead, N. Y.	5	2
Excel Seed Co., Downers Grove, Ill.	1	0
F		
Faesy and Besthoff, Inc., Edgewater, N. J.	14	13
Farmers Organic Corp., Ransomville, N. Y.	1	0
Farmingdale Garden Laboratories, Inc., Farmingdale, N. Y.	7	1
Federal Chemical Co., Cranbury, N. J.	19	9
First National Stores, Inc., East Hartford, Conn.	5	0
Food Fair Stores, New Haven, Conn.	1	0
Freeport Equipment Co., Freeport, N. Y.	1	1
Friedberg's Farm and Garden Supply, Sayville, N. Y.	3	3
Friendly Frost Stores, Westbury, L. I., N. Y.	1	1
G		
Gaines Feed and Garden Supply Co., Inc., W. Islip, N. Y.	1	1
Gansco Products Ltd., Toronto, Canada	4	3
Gar-Prod. Inc., Lindenhurst, N. Y.	1	0
Garden Products Co., Farmingdale, N. Y.	4	4
Gardners Village, West Hempstead, N. Y.	1	1
Geller, David, New York, N. Y.	2	2
Goldfarb-My Florist, Inc., M., New York, N. Y.	2	2
Goulard and Olena, Inc., Skillman, N. J.	23	18

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Grand Union Co., The, E. Patterson, N. J.	6	4
Green Thumb Products, Toledo, Ohio	1	1
Greenlife Products Co., West Point, Va.	4	1
Gro-Green Products, Inc., Buffalo, N. Y.	4	2
H		
Halco Chemical Co., Kenilworth, N. J.	8	5
Halstead Distributing Co., Mt. Kisco, N. Y.	2	2
Harder Arborist Supply Co., Hempstead, N. Y.	1	0
Hercules Powder Co., Wilmington, Del.	1	1
Heritage House Products, Inc., Philadelphia, Pa. ...	5	3
High Point Mills, Inc., Henrietta, N. Y.	5	5
Hills Supermarkets, Inc., Farmingdale, N. Y.	3	2
Hoffman, Inc., A. H., Landisville, Pa.	8	8
Hortco, Inc., Westbury, N. Y.	1	1
Hubbard-Hall Chemical Co., Waterbury, Conn.	5	5
Hugo's Garden Center, New Hyde Park, N. Y.	1	1
Hydroponic Chemical Co., Inc., Copley, Ohio	3	3
I		
Independence Hall Seed Co., Baltimore, Md.	3	3
International Fertilizers Ltd., Cornwall, Ontario, Canada	11	4
International Minerals and Chemical Corp., Buffalo, N. Y.	20	15
J		
Jackson and Perkins Co., Newark, N. Y.	1	1
K		
Karp and Son, Morris, Farmingdale, N. Y.	7	6
Kroemer and Sons, Inc., William, Hicksville, N. Y. ...	2	2
L		
Lawn-Tex, Inc., Chicago, Ill.	1	1
Lebanon Chemical Corp., Lebanon, Pa.	12	11
Lee Patten Seed Co., Jersey City, N. J.	4	4
Leslie-Agriform Corp., Newark, Calif.	1	1
Lewis International Co., Maplewood, N. J.	1	1
Lloyd's Shopping Center, Inc., Middletown, N. Y. ...	2	2
Loft's Pedigreed Seed Co., Inc., Bound Brook, N. J.	2	1
Lombardi Bros., Manhasset, N. Y.	1	0

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Long Island Farmers Fertilizer Corp., Mineola, N. Y.	3	1
Long Island Produce and Fertilizer Co., Inc., Riverhead, N. Y.	14	9
Longlife Fish Food Products Co., New York, N. Y. and Harrison, N. J.	3	0
Luster Leaf Products, Inc., Atlanta, Ga.	3	1
Luzerne Fertilizer Co., Nescopeck, Pa.	2	1
M		
McNair Seed Co., Laurinburg, N. C.	1	1
Macy's, New York, N. Y.	2	2
Malverne Nurseries, Malverne, N. Y.	3	2
Mamlon Co., The, New Haven, Conn.	3	1
Mathieson Chemical Corp., Olin, Little Rock, Ark.	14	12
Miller Chemical and Fertilizer Corp., Baltimore, Md.	6	4
Monsanto Chemical Co., St. Louis, Mo.	1	1
Montgomery Ward and Co., Chicago, Ill.	2	1
N		
Natural Plant Food Co., Inc., Oklahoma City, Oklahoma	1	1
Natural Products Co., Div. of F. H. Von Damm, Brooklyn, N. Y.	6	4
New Plant Life, Div. of C. O. Finley and Co., Inc., Chicago, Ill.	2	2
Northrup, King and Co., Minneapolis, Minn.	2	2
O		
Organic Compost Corp., Oxford, Pa.	6	5
Organic Growth Products Co., Farmingdale, N. Y. ...	1	0
P		
Pax Co., Salt Lake City, Utah	1	1
Pennsylvania Dutch Fertilizer Co., Lebanon, Pa. ...	8	7
Plant Joy Co., Clinton, Conn.	2	2
Plant Products Corp., Blue Point, N. Y.	3	2
Plant Shine Co., St. Louis, Mo.	1	1
Plantabbs Corp., Timonium, Md.	5	5
Pollak and Co., Inc., Henry A., Hicksville, N. Y. ...	5	2
Price Co., Inc., Warner W., Smyrna, Del.	13	10
Pro Hardware, Inc., Kenosha, Wisc.	4	1
Pro-Lawn Products, Inc., Riverhead, N. Y.	5	5

TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1964–DEC. 31, 1964

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Proen Products Co., Berkeley, Calif.	4	4
Professional Landscapers Assoc., Great Neck, N. Y.	1	0
Professional Turf Products Co., Mt. Kisco, N. Y.	2	2
R		
Ra-Pid-Gro Corp., Dansville, N. Y.	2	1
Roiginia Products, Inc., Lincoln, Nebraska	1	1
Rosedale Nurseries, Inc., Hawthorne, N. Y.	1	0
Ross Daniels, Inc., Des Moines, Iowa	5	5
Royster Guano Co., F. S., Norfolk, Va.	31	18
Russell, Gerald S., Woodside, L. I., N. Y.	1	1
Ruward Garden Supply Co., Inc., Buffalo, N. Y.	1	1
S		
St. Louis National Stockyards Co., National Stock- yards, Ill.	1	0
Science Products Co., Inc., Chicago, Ill.	1	1
Scott and Sons Co., O. M., Marysville, Ohio	5	4
Seaboard Seed Co., Philadelphia, Pa.	2	1
Sears, Roebuck and Co., Chicago, Ill.	19	15
Sewerage Commission of the City of Milwaukee, Mil- waukee, Wisc.	3	3
Sgobbo Garden Supplies, Yonkers, N. Y.	4	2
Sidley Distributing Co., Westbury, L. I., N. Y.	3	3
Siebert, Inc., R. L., Jamaica, N. Y.	1	0
Smith-Douglas Co., Inc., Norfolk, Va.	26	18
Sochacki's Garden Sales, Roosevelt, N. Y.	3	0
Southwest Potash Corp., Carlsbad, New Mexico	1	1
Specialty Mfg. Co., The, St. Paul, Minn.	3	3
Spencer Chemical Co., Kansas City, Mo.	2	2
Sterling Forest Peat Co., Inc., Tuxedo, N. Y.	1	1
Stern's Garden Products, Inc., Geneva, N. Y.	7	5
Stim-U-Plant Laboratories, Inc., Columbus, Ohio ...	4	4
Stockdale Fertilizer Co., Inc., Morris, Ill.	1	0
Sudbury Laboratory, Sudbury, Mass.	3	2
Swift and Co., Agrichem Div., New Haven, Conn. ...	15	10
Swinc Lawn Products, Massapequa, N. Y.	1	1
Swiss Farms, Inc., Philmont, N. Y.	10	10
T		
Terre Co. of New Jersey, Inc., The, Saddle Brook, N. J.	6	2

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1964—DEC. 31, 1964**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Terry Co., George S., Brockport, N. Y.	4	4
Thomas Flower Mart, Inc., Syosset, L. I., N. Y. . .	1	1
Triangle Nursery, Brookville, L. I., N. Y.	1	0
U		
U. S. Phosphoric Products Div. Tennessee Corp., E. Tampa, Fla.	1	1
Universal Chemical Co., Inc., West Lynn, Mass. . . .	1	1
Upton-Rich Corp., Savannah, N. Y.	9	6
V		
Valley Feed and Supply Co., Inc., Spring Valley, N. Y.	1	1
Valu-Gro Corp., Princeton, N. J.	4	4
Vaughan's Seed Co., Downers Grove, Ill.	12	7
Virginia-Carolina Chemical Corp., Baltimore, Md. . .	34	16
Voges Feed and Seed, Inc., Lynbrook, N. Y.	1	1
W		
Wagner's Farmingdale Feed Co., Inc., Farmingdale, N. Y.	2	2
Walco-Linck Corp., Clifton, N. J.	1	1
Walker-Gordon Laboratory Co., Plainsboro, N. J. . .	2	2
Wardley Products Co., Inc., Long Island City, N. Y.	1	1
Warren's Turf Nursery, Palos Park, Ill.	1	1
Wayside Garden Center, Victor, N. Y.	1	1
West Hempstead Nursery, West Hempstead, N. Y. . .	1	1
Whitney Seed Co., Inc., Buffalo, N. Y.	1	1
Williamson, Inc., Garfield, Jersey City, N. J.	11	7
Wilson, Inc., Andrew, Springfield, N. J.	2	2
Woodbury Garden Center, Woodbury, N. Y.	1	0

TABLE IV—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
708	A-Penn Oil Co., Butler, Pa. Marvel Green Lawn Builder 20-10-5	Potash	5.00%	3.80%	
579	Adikes, Inc., J. and L., Jamaica, N. Y. Gro-Well Evergreen Food 50% Organic 9-6-3	Nitrogen	9.00%	4.91%	
570	Gro-Well Garden Food 5-10-5	Available phosphoric acid	10.00%	9.45%	
1169	Gro-Well Lawn Builder 24-10-5	Available phosphoric acid	10.00%	9.41%	
1179	Gro-Well Liquid Fertilizer 15-5-5	Potash	5.00%	4.26%	
562	Gro-Well Professional Lawn Food 85% Organic 20-6-4	Nitrogen	20.00%	18.30%	
1170	Gro-Well Professional Lawn Food 85% Organic 20-6-4	Nitrogen	20.00%	19.01%	
563	Gro-Well Rose Food 40% Organic 3-12-6	Available phosphoric acid	12.00%	8.90%	
1171	Gro-Well Rose Food 40% Organic 3-12-6	Available phosphoric acid	12.00%	10.74%	
572	Gro-Well Soil Sterilizer	Nitrogen	21.00%	19.88%	
565	Gro-Well Solu-Pel	Nitrogen	24.00%	22.81%	
		Available phosphoric acid		9.76%	Available phosphoric acid not guaranteed
		Iron	1.25%		
		Iron	0.250%	0.445% 0.164%	
1172	Gro-Well Solu-Pell 24-8-16	Available phosphoric acid	6.00%	5.23%	
559	Gro-Well 10-6-4 Lawn Food 50% Organic	Potash	10.00%	8.25%	
574	Gro-Well Tomato Plant Food 5-10-10	Nitrogen	5.00%	4.56%	
1177	Gro-Well Tomato Plant Food 5-10-10	Potash	10.00%	8.20%	
569	0-20-20 Fertilizer	Available phosphoric acid	20.00%	18.03%	
558	Mofco Cotton Seed Meal	Nitrogen		6.72%	Guaranteed analysis not stated
		Available phosphoric acid		2.31%	
		Potash		1.99%	
501	Agway, Inc., Ithaca, N. Y. 5-10-5 Cauliflower Special	Nitrogen Borax equivalent	5.00% 20.0 lb. per ton	4.51% 11.4 lb. per ton	Boron calculated as borax

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
533	G.L.F. Ferti Flow Premium Plant Food 8-16-16 Sul-Po-Mag 3	Nitrogen	8.00%	7.32%	
250	G.L.F. Ferti Flow Premium Plant Food 10-20-10 3% MGO Sul-Po-Mag	Available phosphoric acid	20.00%	19.43%	
502	G.L.F. Ferti Flow Premium Plant Food 10-20-10 3% MGO Sul-Po-Mag	Available phosphoric acid	20.00%	18.93%	
1809	G.L.F. Quality Ferti Flow Premium Plant Food 10-20-20	Available phosphoric acid	20.00%	18.55%	
712	G.L.F. Quality Super Plant Food 0-15-30	Potash	30.00%	24.88%	
730	G.L.F. Quality Super Plant Food 0-15-30	Potash	30.00%	27.96%	
1811	G.L.F. Quality Super Plant Food Free Flow 0-15-30	Available phosphoric acid	15.00%	14.24%	
522	G.L.F. Super Plant Foods 8-16-16	Nitrogen	8.00%	7.48%	
924	G.L.F. Super Plant Foods 10-20-20	Available phosphoric acid	16.00%	14.57%	
211	Greenlawn 10-5-5	Potash	16.00%	14.38%	
441	Groleaf Soluble Plant Food 14-28-14	Nitrogen	10.00%	9.17%	
		Potash	20.00%	17.68%	
		Nitrogen	10.00%	9.31%	
		Nitrogen	14.00%	12.04%	
		Potash	14.00%	11.74%	
		Boron	0.020%	0.083%	
		Manganese	0.050%	0.032%	
		Nitrogen	23.00%	18.67%	
146	Squire Applegate "Brite" for Lawns 20-10-5	Nitrogen	8.00%	7.18%	
423	Squire Applegate Groleaf Evergreen Plant Food 8-4-4 with Organic Nitrogen	Water-insoluble nitrogen	3.60%	2.75%	
440	Squire Applegate Groleaf Evergreen Plant Food 8-4-4 with Organic Nitrogen	Available phosphoric acid	4.00%	3.54%	
		Potash	4.00%	3.45%	
210	Squire Applegate High Organic Plant Food 10-6-4	Nitrogen	10.00%	8.98%	
987	Squire Applegate High Organic Nitrogen Plant Food 10-6-4	Nitrogen	10.00%	8.95%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
422	Squire Applegate Special Weed N' Green 8-6-4	Nitrogen	8.00%	6.94%	
1685	Squire Applegate Special Weed N' Green 8-6-4	Nitrogen	8.00%	7.38%	
298	Super Plant Food 8-12-8 Sul-Po-Mag	Potash	8.00%	7.11%	
330	Aluminum and Chemical Corp., Glorion Div., Greenwich, Conn.				
224	Glorion Azalea Food 6-7-5 with Chelated Iron	Iron		1.66%	Iron not guaranteed
	Glorion For Turf and Gardens 50% Organic 10-6-4	Nitrogen Potash	10.00% 4.00%	9.26% 3.49%	
623	American Agricultural Chemical Co., The, New York, N. Y.				
647	A A Quality Fertilizer 8-16-16	Nitrogen	8.00%	7.40%	
1361	Agrico for Grain 5-20-20	Available phosphoric acid	20.00%	18.79%	
625	Agrico for Grain 5-20-20	Available phosphoric acid	20.00%	18.79%	
	Agrico for Truck 10-20-20	Nitrogen	10.00%	9.48%	
14	Agrico Garden and Lawn Fertilizer 8-16-8	Available phosphoric acid	20.00%	18.02%	
433	Agrico Phosphate and Potash 0-10-30	Available phosphoric acid	16.00%	14.81%	
996	Homestead Farm Style Fertilizer 5-10-5	Potash	30.00%	28.51%	
		Potash	5.00%	4.41%	
917	Armour Agricultural Chemical Co., Carteret, N. J.				
957	Armour Big Crop Fertilizer 0-15-30	Potash	30.00%	26.42%	
631	Armour Big Crop Fertilizer 5-10-5	Nitrogen	5.00%	4.56%	
1829	Armour Big Crop Fertilizer 8-16-16	Potash	16.00%	14.51%	
636	Armour Big Crop Fertilizer 8-16-16	Potash	16.00%	15.30%	
1831	Armour Big Crop Fertilizer 10-10-10	Potash	10.00%	9.31%	
	Armour Big Crop Fertilizer 10-10-10	Nitrogen	10.00%	8.56%	
1845	Armour Big Crop Fertilizer 10-10-10	Nitrogen	10.00%	7.82%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
158	Armour Big Crop Fertilizer 10-20-20	Available phosphoric acid	20.00%	17.82%	
1041	Armour Big Crop Fertilizer 10-20-20	Available phosphoric acid Potash	20.00%	18.56%	
			20.00%	17.88%	
1834	Armour Big Crop Fertilizer 10-20-20	Nitrogen	10.00%	9.31%	
		Available phosphoric acid Potash	20.00%	17.30%	
			20.00%	18.02%	
156	Armour Big Crop Fertilizer 16-8-8	Nitrogen	16.00%	14.62%	
1833	Armour Big Crop Fertilizer 16-8-8	Nitrogen	16.00%	14.87%	
155	Armour Big Crop Fertilizer Sulphate of Potash	Potash	50.00%	48.14%	
919	Armour Lightweight Vertagreen Lawn Fertilizer 20-10-10				
		Nitrogen	20.00%	19.24%	
		Potash	10.00%	8.92%	
		Potash	14.00%	12.89%	
1074	Armour Sirub Winterizer 0-14-14				
634	Armour Vertagreen Complete Plant Food for Commercial Crops 5-10-15	Potash	15.00%	14.39%	
157	Armour Vertagreen Complete Plant Food for Commercial Crops 12-12-12				
		Nitrogen	12.00%	11.40%	
		Available phosphoric acid	12.00%	11.16%	
1104	Armour Vertagreen Complete Plant Food for Commercial Growers Cauliflower Special 5-10-5	Borax equivalent		8.8 lb. per ton	Boron calculated as borax. Borax not guaranteed.
956	Armour Vertagreen for Commercial Crops 8-8-8				
		Nitrogen	8.00%	7.42%	
916	Armour Vertagreen Plant Food for Commercial Crops 15-15-15				
		Available phosphoric acid	15.00%	14.32%	
959	Armour Vertagreen Plant Food for Commercial Crops 15-15-15				
		Nitrogen	15.00%	14.43%	
960	Armour Vertagreen Plant Food for Commercial Crops 20-10-10				
		Nitrogen	20.00%	19.05%	
85	Asgrow Seed Co., New Haven, Conn. Asgrow 10-6-4 Lawn Food	Nitrogen	10.00%	9.38%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
79 1249	Atlantic Fertilizer Corp., Jamesport, N. Y. Gold Seal 5-10-5 With 5% Magnesium Gold Seal Neutral 5-10-5 Cauliflower Special	Nitrogen Borax equivalent	5.00% 20.0 lb. per ton	4.46% 29.1 lb. per ton	Boron calculated as borax
130 1043	Baugh and Sons Co., Inc., The, Baltimore, Md. Baugh's Granular Grape Special 15-5-15 Baugh's Premium Plant Food and Soil Builder 8-16-16	Potash Available phosphoric acid	15.00% 16.00%	9.89% 15.37%	
1825	Baugh's Premium Plant Food and Soil Builder 8-16-16 Granular	Potash	16.00%	15.23%	
416	Baugh's Premium Plant Food and Soil Builder 10-10-10	Nitrogen Potash	10.00% 10.00%	9.26% 8.98%	
937	Baugh's Premium Plant Food and Soil Builder 10-10-10 Granular	Nitrogen	10.00%	9.38%	
971	Baugh's Premium Plant Food and Soil Builder 10-10-10 Granular	Nitrogen Potash	10.00% 15.00%	9.35% 13.79%	
128 109	Baugh's 5-10-15 Granular Baugh's 8-16-16 Granular	Nitrogen Available phosphoric acid Potash	8.00% 16.00% 16.00%	7.45% 14.82% 15.01%	
1356 110	Baugh's 8-16-16 Granular Baugh's 10-10-10 Granular	Potash Potash	16.00% 16.00%	15.20% 9.20%	
1357	Baugh's 10-10-30 Granular	Nitrogen	10.00%	9.19%	
107	Baugh's 10-20-20 Granular	Potash	20.00%	17.56%	
1355	Baugh's 10-20-20 Granular	Potash	20.00%	18.14%	
976	Baugh's 12-12-12 Granular	Nitrogen	12.00%	11.05%	
936	Baugh's 16-8-8 Granular	Nitrogen	16.00%	14.71%	
965 972	Baugh's 16-8-8 Granular Phosphate and Potash Mixture 0-15-30	Nitrogen Potash	16.00% 30.00%	14.18% 23.33%	
7	Black Magic, Inc., Hermosa Beach, Calif. Black Magic Liquid Fertilizer 10-5-5	Nitrogen	10.00%	9.06%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1671 993	Blackstone Guano Co., Inc., Blackstone, Va. Fairlawn Lawn Food 20-10-5 Queen Turf Fertilizer 10-6-4	Nitrogen Nitrogen	20.00% 10.00%	18.98% 5.38%	
1204	Cambridge Laboratories, Inc., Brooklyn, N. Y. Green-Up 5-3-0	Available phosphoric acid	3.00%	1.17%	
557 1175	Chamberlin and Barclay, Inc., Cranbury, N. J. Old Reliable 10-6-4 Old Reliable 10-6-4	Nitrogen Nitrogen	10.00% 10.00%	9.31% 7.62%	
1696	Clinton Nursery Products, Inc., Clinton, Conn. New Era Rose Food 10-20-10	Boron Molybdenum	0.067% 0.006%	0.138% 0.031%	
187 403	Consolidated Rendering Co., Boston, Mass. Corenco Granular Form Fertilizer 8-16-16 Corenco Granular Form Fertilizer 8-16-16	Nitrogen Available phosphoric acid Potash	8.00% 16.00% 16.00%	7.36% 13.03% 15.29%	
1291	Country Squire Fertilizer Co., Farmingdale, N. Y. Country Squire Featherweight Lawn Food 20-10-5	Nitrogen	20.00%	17.12%	
1686	Cross Island Hardware Corp., Roslyn Heights, N. Y. Cross Island Turf Gro 10-6-4	Nitrogen	10.00%	8.63%	
168 162	Curtis and Son, Inc., C. Roy, Marion, N. Y. Sure Crop Fertilizer 5-10-5 Sure Crop Fertilizer 5-10-10	Iron oxide Sulfur Iron oxide Sulfur	1.10% 18.00% 1.10% 18.06%	0.615% 6.82% 0.494% 7.15%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
163	Sure Crop Fertilizer 8-16-16	Sulfur	6.79%	5.67%	
166	Sure Crop Fertilizer 10-10-10	Sulfur	14.00%	10.23%	
1364	Sure Crop Fertilizer 10-10-10	Sulfur	14.00%	10.39%	
167	Sure Crop Fertilizer 10-20-20	Nitrogen	10.00%	8.80%	
		Available phosphoric acid	20.00%	17.59%	
		Potash	20.00%	18.18%	
		Iron oxide	1.10%	0.382%	
1365	Sure Crop Fertilizer 10-20-20	Available phosphoric acid	20.00%	14.76%	
		Calcium oxide	5.56%	4.43%	
		Iron oxide	1.10%	0.169%	
164	10-5-5 "60"	Nitrogen	10.00%	8.76%	
	Davison Chemical Co., Div. of W. R. Grace and Co., Baltimore, Md.				
189	Davco 3-G Granulated Fertilizer 0-20-20	Available phosphoric acid	20.00%	18.64%	
		Potash	20.00%	18.24%	
1068	Dayton Fertilizer Corp., Dayton, N. J. Grand Garden Rose Food 6-8-6	Potash	6.00%	4.74%	
	DuPont de Nemours and Co., Inc., E. I., Wilmington, Del.				
1625	DuPont Azalea and Evergreen Food 10-5-5	Nitrogen	10.00%	8.61%	
	Eastern Dehydrating Co., Lexington, N. C.				
1096	Fertal-Gro Dried Tobacco Stems and Sheep Manure 2-1-5	Nitrogen	2.00%	1.74%	
1022	Fertal-Gro 1.5-5-7 T Mulch Ground Tobacco Stems	Nitrogen	1.50%	0.98%	
1051	Fertal-Gro 2-1-7 Cow Manure with Tobacco Stem Bedding	Nitrogen	2.00%	1.62%	
1655	Fertal-Gro 2-1-7 Cow Manure with Tobacco Stem Bedding	Nitrogen	2.00%	1.49%	
		Available phosphoric acid	1.00%		
		Total phosphoric acid		0.73%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1714	Fertal-Gro 2-1-7 Cow Manure	Nitrogen	2.00%	1.75%	
1223	Elanco Products Co., Div. of Eli Lilly Co., Indianapolis, Ind.				
26	Greenfield Double Action Plant Food 8-24-8	Available phosphoric acid	24.00%	20.74%	
	Greenfield Evergreen and Azalea Food 12-16-8	Available phosphoric acid	16.00%	14.60%	
		Potash	8.00%	6.82%	
1167	Greenfield Evergreen and Azalea Food 12-16-8				
	(Double Action)	Available phosphoric acid	16.00%	14.53%	
1289	Greenfield Evergreen and Azalea Food 12-16-8	Available phosphoric acid	16.00%	15.26%	
27	Greenfield Lawn Food 20-10-5	Potash	8.00%	7.11%	
25	Greenfield Weed Killer and Lawn Food 20-10-5	Potash	5.00%	3.69%	
		Potash	5.00%	3.96%	
1124	Estate Fertilizer, Riverhead, N. Y.				
	Estate Fertilizer 50% Organic Nitrogen 10-6-4	Potash	4.00%	3.36%	
1125	Estate Fertilizer 100% Organic Nitrogen 10-6-4 Lawn Food	Iron		1.32%	Iron not guaranteed
513	Estate Turf Food Lightweight 20-10-5	Nitrogen	20.00%	19.06%	
1280	Excel Seed Co., Downers Grove, Ill.				
	Excel Lawn Food 20-10-5	Nitrogen	20.00%	19.34%	
1014	Facey and Besthoff, Inc., Edgewater, N. J.				
	F and B Rose Food 8-10-4	Iron		2.06%	Iron not guaranteed
1083	Farmers Organic Corp., Ransomville, N. Y.				
	O C Brand Dehydrated Cow Manure 2-1-2	Nitrogen	2.00%	1.59%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
49	Farmingdale Garden Laboratories, Inc., Farmingdale, N. Y. Farmingdale Double Action Weed and Feed 20-10-5	Nitrogen Available phosphoric acid	20.00% 10.00%	17.74% 9.19%	
48	Farmingdale High Analysis Turf Food 20-10-5	Nitrogen	20.00%	18.42%	
1643	Farmingdale High Analysis Turf Food 20-10-5	Nitrogen	20.00%	17.62%	
50	Farmingdale Lawn Food 18-9-4	Nitrogen	20.00%	17.07%	
1257	Farmingdale Lawn Food 18-9-4	Nitrogen	18.00%	16.35%	
1268	Farmingdale Weed and Feed	Nitrogen	20.00%	19.23%	
69	Federal Chemical Co., Cranbury, N. J. Federal Lawn Life Crabgrass Preventer Plus Plant Food 18-9-4	Nitrogen	18.00%	16.46%	
1227	Lawn Life Plant Food 18-9-4	Nitrogen	18.00%	16.65%	
265	Lawn Life Plant Food 10-6-4 50% Organic	Nitrogen	10.00%	9.04%	
278	Lawn Life Plant Food 10-6-4 50% Organic	Nitrogen	10.00%	9.34%	
1604	Lawn Life Plant Food 10-6-4 50% Organic	Nitrogen	10.00%	8.86%	
1229	Lawn Life Weed and Feed 20-10-5	Nitrogen	20.00%	18.14%	
1120	Lawn Master 10-6-4 Turf Food	Nitrogen	10.00%	8.99%	
1122	Lawn Master 10-6-4 Turf Food 50% Organic Nitrogen	Nitrogen	10.00%	8.93%	
1279	Lawn Master Turf Food 20-10-5	Available phosphoric acid	10.00%	9.45%	
1119	Lawn Master Weed and Feed 20-10-5	Nitrogen	20.00%	18.18%	
1021	First National Stores, Inc., East Hartford, Conn. Emerald Green Lawn Food 12-5-7	Nitrogen	12.00%	10.72%	
1712	Emerald Green Lawn Food 12-5-7	Nitrogen	12.00%	11.25%	
1012	Emerald Green Plant Food 8-12-6	Available phosphoric acid	12.00%	10.98%	
1692	Emerald Green Plant Food 8-12-6	Available phosphoric acid	12.00%	10.38%	
1013	Emerald Green Rose Food 7-10-5	Nitrogen	7.00%	6.46%	
		Available phosphoric acid	10.00%	8.99%	
504	Food Fair Stores, New Haven, Conn. Garden Fair 20-10-5	Nitrogen	20.00%	18.81%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1706	Gausco Products, Ltd., Toronto, Canada Gard N Stik Root Feeding For Evergreens 6-12-12	Potash	12.00%	10.15%	
587	Gar-Prod. Inc., Lindenhurst, N. Y. Gar Prod 60 Gro Water Soluble Plant Food Concentrate 21-21-12	Boron Iron	0.040% 0.100%	0.007% 0.044%	
1201	Goulard and Olena, Inc., Skillman, N. J. G and O Bulb Food 5-6-15	Potash	15.00%	12.13%	
231	G and O Light Fantastic Lawn Food 20-6-4	Nitrogen	20.00%	19.11%	
232	G and O Turf Food 10-6-4	Nitrogen	10.00%	9.10%	
586	G and O Turf Food 10-6-4	Nitrogen	10.00%	9.16%	
1146	G and O Turf Food 10-6-4	Nitrogen	10.00%	8.49%	
1018	Grand Union Co., The, E. Patterson, N. J. Grand Union Brand Lawn and Garden Fer- tilizer 10-6-4	Nitrogen	10.00%	9.37%	
1627	Grand Union Brand Lightweight Lawn Fer- tilizer 15-7-5	Nitrogen	15.00%	13.96%	
1185	Greenlife Products Co., West Point, Va. Greenlife Azalea Food 12-7-4	Available phosphoric acid	7.00%	6.09%	
1664	Greenlife Azalea Food 12-7-4	Nitrogen	12.00%	11.04%	
1665	Greenlife Plant Food 10-6-4	Nitrogen	10.00%	9.36%	
700	Gro-Green Products, Inc., Buffalo, N. Y. Gro Green Weed 'N' Feed 20-6-4	Nitrogen	20.00%	17.46%	
1047	Gro Green Weed 'N' Feed 20-6-4	Nitrogen	20.00%	17.79%	
		Available phosphoric acid	6.00%	5.55%	
208	Halco Chemical Co., Kenilworth, N. J. Halco Blood and Bone Tankage 8.6-5-0	Nitrogen	8.60%	8.04%	
		Available phosphoric acid	5.00%	3.03%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1110	Hortcraft Fairway Fertilizer 10-6-4 50% Organic Nitrogen	Nitrogen	10.00%	9.04%	
1111	Hortcraft Turf Food 8-6-4 60% Organic Nitrogen	Nitrogen	8.00%	7.17%	
516	Harder Arborist Supply Co., Hempstead, N. Y. Harder Arborist Supply 10-6-4 100% Organic Nitrogen	Nitrogen	10.00%	9.27%	
1233 1611	Heritage House Products, Inc., Philadelphia, Pa. Heritage House Three In One 10-6-4 Heritage House Tree and Shrub Food (High Acid) 8-14-6	Potash Available phosphoric acid	4.00% 14.00%	3.15% 10.79%	
1271	Hills Supermarkets, Inc., Farmingdale, N. Y. Hills Garden Time 10-6-4 100% Organic Nitrogen Lawn Food	Iron		1.19%	Iron not guaranteed
1301	International Fertilizers Ltd., Cornwall, Ontario, Canada Albatros Brand Fertilizer 10-20-20	Nitrogen Available phosphoric acid	10.00% 20.00%	8.44% 18.55%	
1839	G.L.F. Quality Super Plant Food Granular Albatros Brand 0-20-20	Available phosphoric acid	20.00%	18.39%	
1841	G.L.F. Quality Super Plant Food Granular Albatros Brand 5-20-20	Available phosphoric acid	20.00%	18.52%	
1840	G.L.F. Quality Super Plant Food Granular Albatros Brand 6-12-6	Available phosphoric acid	12.00%	10.99%	
1816	G.L.F. Quality Super Plant Food Granular Albatros Brand 10-20-20	Nitrogen Available phosphoric acid	10.00% 20.00%	8.53% 17.96%	
1846	G.L.F. Super Plant Food Granular Albatros Brand 0-15-30	Available phosphoric acid	15.00%	14.10%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1818	G. L. F. Super Plant Food Granular Super-phosphate 20%	Total phosphoric acid Available phosphoric acid	20.00% 20.00%	18.89% 18.08%	
1006	International Minerals and Chemical Corp., Buffalo, N. Y.				
1007	International Fertilizer 5-10-10	Potash	10.00%	9.32%	
1010	Rainbow Plant Food 5-10-10	Nitrogen	5.00%	4.40%	
1015	Rainbow Plant Food 8-16-16	Nitrogen	8.00%	6.63%	
200	Rainbow Plant Food 8-16-16	Nitrogen	8.00%	7.49%	
	Super Rainbow Premium Plant Food 8-16-16	Nitrogen	8.00%	7.49%	
1250	Karp and Son, Morris, Farmingdale, N. Y. Borax Cauliflower Special 5-10-5	Borax equivalent		27.5 lb. per ton	Boron calculated as borax. Borax not guaranteed
555	Lebanon Chemical Corp., Lebanon, Pa. Lebanon Hi-Organic 10-6-4 50% Organic	Nitrogen	10.00%	9.18%	
1292	Loft's Pedigreed Seed Co., Inc., Bound Brook, N. J. Loft's Lightweight Fertilizer for Turf 20-10-5	Nitrogen	20.00%	18.26%	
1135	Lombardi Bros., Manhasset, N. Y. Lombardi's 10-6-4	Boron		0.009%	Boron not guaranteed
1241	Long Island Farmers Fertilizer Corp., Mineola, N. Y. Grub Proof Super Turf 100% Organic Nitrogen 10-6-4	Nitrogen	10.00%	7.84%	
1243	Super Turf 100% Organic Nitrogen 10-6-4	Nitrogen	10.00%	8.66%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
239	Long Island Produce and Fertilizer Co., Inc., Riverhead, N. Y. Lipco Crabgrass Killer and Fertilizer 10-6-4 Lipco 10-6-4 Lawn Fertilizer 35% Natural Organic Lipco 10-6-4 Lawn Fertilizer 50% Organic Lipco 10-6-4 Lawn Fertilizer 50% Organic Lipco Two For One Crabgrass Killer Hi-Organic 10-6-4	Nitrogen	10.00%	9.39%	
58		Potash	4.00%	3.13%	
59		Potash	4.00%	3.35%	
1260		Nitrogen	10.00%	9.22%	
238		Nitrogen	10.00%	9.08%	
1680	Longlife Fish Food Products Co., New York, N. Y. and Harrison, N. J. Longlife Plant Food for Aquarium Plants Longlife Quick Grow Plant Food Longlife Quick Grow Plant Food	Available phosphoric acid Potash	0.558%	0.614% 0.274% 0.39%	Available phosphoric acid not guaranteed
1132		Nitrogen			Guaranteed analysis not stated
1248		Available phosphoric acid Potash		0.26% 0.45% 0.355% 0.315% 0.525%	Guaranteed analysis not stated
527	Luster Leaf Products, Inc., Atlanta, Ga. Lusterleaf Brand Poultry Manure Compost Lusterleaf Potting Soil Created From Mineralized Poultry Manure	Nitrogen		0.46%	Guaranteed analysis not stated
528		Total phosphoric acid Potash Sand and inert matter		2.33% 0.36% 53.02%	
184	Luzerne Fertilizer Co., Nescopeck, Pa. Luzerne Lawn Food 10-6-4	Nitrogen	10.00%	0.69% 2.34% 0.61% 9.25%	Guaranteed analysis not stated

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
286	Malverne Nurseries, Malverne, N. Y. Malverne Nurseries Turf Food 20-6-4	Nitrogen	20.00%	18.51%	
1108 204	Mamlon Co., The, New Haven, Conn. Fer-Mel Premium Lawn Food 25-12-10 Fer-Mel Turf Food 20-12-8	Nitrogen Available phosphoric acid	25.00% 12.00%	24.09% 10.58%	
409 121	Mathieson Chemical Corp., Olin, Little Rock, Ark. Mathieson Ammo-Phos 11-48-0 Mathieson Ammo-Phos with Potash 6-24-24	Available phosphoric acid Potash	48.00% 24.00%	46.09% 20.71%	
307 214	Miller Chemical and Fertilizer Corp., Baltimore, Md. Miller Iron Chelate Miller Nutri-Leaf 60 20-20-20	Iron oxide Copper Iron Molybdenum	12.90% 0.050% 0.100% 0.0005%	11.24% 0.21% 0.035% 0.026%	
721	Montgomery Ward and Co., Chicago, Ill. Garden Mark Lawn Food Lightweight 20-10-5	Nitrogen Potash Iron	20.00% 5.00% 0.500%	18.34% 3.30% 0.059%	
283 1165	Natural Products Co., Div. of F. H. Von Damm, Brooklyn, N. Y. Old Dutch Rose Food 3-12-6 Old Dutch Rose Food 3-12-6	Available phosphoric acid Available phosphoric acid	12.00% 12.00%	8.90% 11.21%	
1256	Organic Compost Corp., Oxford, Pa. Cow Manure 1-1-1	Sand and inert matter		52.77%	Excessive in sand and inert matter

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
343	Organic Growth Products Co., Farmingdale, N. Y. Miracle Orga-Vite 100% Natural Organic Lawn Fertilizer 3-4-2	Nitrogen	3.00%	2.36%	
534	Pennsylvania Dutch Fertilizer Co., Lebanon, Pa. Pennsylvania Dutch Weed and Feed 20-10-5	Nitrogen	20.00%	18.76%	
1246	Plant Products Corp., Blue Point, N. Y. Plant Prod Soluble Fertilizer 20-5-30	Manganese	0.075%	0.047%	
1141	Pollak and Co., Inc., Henry A., Hicksville, N. Y. Hapco Better Organic Lawn Builder 50% Organic Nitrogen 10-6-4	Nitrogen	10.00%	8.48%	
1657	Hapco Better Organic Lawn Builder 100% Organic Nitrogen 10-6-4	Nitrogen	10.00%	8.68%	
1143	Master Garden 10-6-4	Nitrogen	10.00%	8.88%	
1095	Price Co., Inc., Warner W., Smyrna, Del. Marvagreen Evergreen Food 50% Organic Nitrogen 10-6-4	Nitrogen	10.00%	9.34%	
1217	Marvagreen Plant Food 5-9-4	Nitrogen	5.00%	4.42%	
1221	Marvagreen Sulphate of Ammonia	Nitrogen	21.00%	19.56%	
1134	Pro Hardware, Inc., Kenosha, Wisc. Proven Brand Lawn Fertilizer 20-10-5	Nitrogen	20.00%	18.71%	
1620	Proven Brand Lawn Fertilizer 20-10-5	Nitrogen	20.00%	19.04%	
1621	Proven Brand Weed and Feed 20-10-5	Nitrogen	20.00%	16.15%	
1136	Professional Landscapers Assoc., Great Neck, N. Y. Professional Landscapers 10-6-4 50% Organic Nitrogen	Nitrogen	10.00%	9.03%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
711	Ra-Pid-Gro Corp., Dansville, N. Y. Ra-Pid-Gro 23-19-17	Potash	17.00%	15.71%	
1610	Rosedale Nurseries, Inc., Hawthorne, N. Y. Rosedale Taylored Lawn and Plant Food 10-6-4	Nitrogen	10.00%	9.06%	
1814	Royster Guano Co., F. S., Norfolk, Va. Royster Arrow 5-20-20	Nitrogen	5.00%	4.57%	
1819	Royster Arrow 10-20-20	Available phosphoric acid	20.00%	19.22%	
		Nitrogen	10.00%	8.99%	
		Available phosphoric acid	20.00%	18.43%	
		Potash	20.00%	17.87%	
1848	Royster Arrow 10-20-20	Nitrogen	10.00%	8.72%	
		Available phosphoric acid	20.00%	18.63%	
		Potash	20.00%	17.91%	
922	Royster Arrow 16-8-8	Nitrogen	16.00%	15.30%	
980	Royster Bonanza 6-12-6 Plus F. S. R.	Nitrogen	6.00%	5.54%	
1042	Royster Vim Phosphate and Potash 0-20-20	Potash	20.00%	18.01%	
1813	Royster Vim Phosphate and Potash 0-20-20	Available phosphoric acid	20.00%	19.09%	
1843	Royster Vim Phosphate and Potash 0-20-20	Potash	20.00%	18.99%	
639	Royster Vim 5-10-10	Potash	10.00%	9.34%	
133	Royster Vim 5-10-15	Potash	15.00%	14.01%	
1373	Royster Vim 5-10-15	Potash	15.00%	13.47%	
127	Royster Vim 8-16-16	Potash	16.00%	12.27%	
1815	Royster Vim 8-16-16	Available phosphoric acid	16.00%	15.15%	
1036	St. Louis National Stockyards Co., National Stockyards, Ill. Wizard Cow Manure 2-1-2	Nitrogen	2.00%	1.63%	
		Potash	2.00%	1.39%	
431	Scott and Sons Co., O. M., Marysville, Ohio Scotts Turf Builder 23-7-7	Water-insoluble nitrogen	8.00%	6.11%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
99	Seaboard Seed Co., Philadelphia, Pa. Lawn Builder 20-10-5	Potash	5.00%	4.24%	
906	Sears, Roebuck and Co., Chicago, Ill. Lawn Quick Green 16-8-8	Nitrogen	16.00%	14.84%	
1642	Sears Lawn Quick Green 16-8-8	Potash	8.00%	7.22%	
1715	Sears Lawn Quick Green 16-8-8	Available phosphoric acid	8.00%	6.65%	
		Potash	8.00%	5.34%	
342	Sears Superfine Lawn Food 25-10-5	Nitrogen	25.00%	22.84%	
1035	Sgobbo Garden Supplies, Yonkers, N. Y. Verdo American Best Lawn Food 20-10-5	Nitrogen	20.00%	18.64%	
		Potash	5.00%	2.84%	
1033	Verdo Lawn Food 10-6-4	Nitrogen	10.00%	9.26%	
1114	Siebert, Inc., R. L., Jamaica, N. Y. Sco-Co Brand Cottonseed Meal	Nitrogen		6.23%	Nitrogen not guaranteed
1662	Smith-Douglass Co., Inc., Norfolk, Va. Nutro Azalea-Camellia Evergreen Food 5-8-7	Potash	7.00%	5.07%	
1212	Nutro Crystals 23-21-18	Potash	18.00%	17.21%	
287	Nutro F/58 Turf Food 35-5-10	Potash	10.00%	9.34%	
321	Nutro Plant Food Pellets 8-8-8	Boron	0.020%	0.009%	
		Molybdenum	0.005%	0.0013%	
		Manganese	0.050%	0.021%	
1161	Nutro Plant Food Pellets 8-8-8	Available phosphoric acid	8.00%	7.50%	
		Boron	0.020%	0.008%	
		Copper	0.050%	0.032%	
		Manganese	0.050%	0.018%	
		Sulfur	8.25%	7.24%	
1183	Nutro Plant Food Pellets 8-8-8	Available phosphoric acid	8.00%	7.42%	
		Sulfur	8.25%	6.87%	
1659	Nutro Plant Food Pellets 8-8-8	Sulfur	8.25%	6.77%	
1137	Nutro Weed and Feed Lawn Food 15-5-5	Nitrogen	15.00%	13.99%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
520	Sochacki's Garden Sales, Roosevelt, N. Y. Sochacki's Professional 10-6-4 50% Organic Nitrogen	Nitrogen	10.00%	9.36%	
582	Sochacki's Professional 10-6-4 50% Organic Nitrogen	Nitrogen	10.00%	9.44%	
580	Sochacki's Professional 12-12-12	Nitrogen Available phosphoric acid	12.00% 12.00%	11.20% 11.31%	
705	Stern's Garden Products, Inc., Geneva, N. Y. Stern's Miracid 30-10-10 Water Soluble Soil Acidifier and Plant Food	Potash Potash	10.00% 18.00%	8.98% 13.41%	
1038	Stern's Miracle-Gro for Roses 14-28-18				
1282	Stockdale Fertilizer Co., Inc., Morris, Ill. Ovene Sheep Manure	Total phosphoric acid	2.50%	0.93%	
1205	Sudbury Laboratory, Sudbury, Mass. Sudbury Unit Y Phosphorus	Available phosphoric acid		49.90%	Available phosphoric acid not guaranteed
713	Swift and Co., Agrichem Div., New Haven, Conn. Carriage Hill Lawn and Garden Food 20-10-5	Nitrogen	20.00%	19.20%	
1056	Instant Vigoro Water Soluble Plant Food 20-10-15	Nitrogen	20.00%	18.66%	
1647	Instant Vigoro Water Soluble Plant Food 20-10-15	Nitrogen	20.00%	18.70%	
1718	Instant Vigoro Water Soluble Plant Food 20-10-15	Nitrogen	20.00%	19.39%	
506	Rolling Meadows Lawn and Garden Food 10-6-4	Nitrogen	10.00%	9.29%	
1635	Terre Co. of New Jersey, Inc., The, Saddle Brook, N. J. Terre Bonemeal	Nitrogen	2.43%	2.10%	

TABLE IV—Cont'd.—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
1066	Terre Gardenspur 5-10-10	Manganese Boron	0.400% 0.040%	0.301% 0.062%	Available phosphoric acid not guaranteed
1636	Terre Organo Rose Food	Available phosphoric acid Total phosphoric acid	9.00%	7.43% 7.73%	
1634	Terre Rodo-Gro Fertilizer 6-8-4	Nitrogen Boron	6.00% 0.100%	5.23% 0.017%	
1118	Triangle Nursery, Brookville, L. I., N. Y. Triangle Nursery Premium 10-6-4 50% Organic Nitrogen	Nitrogen	10.00%	9.35%	
143	Upton-Rich Corp., Savannah, N. Y. Gran-U-Phos 0-20-20	Potash	20.00%	13.35%	
137	Gran-U-Phos 5-10-10	Potash	10.00%	9.27%	
139	Gran-U-Phos 8-16-16	Potash	16.50%	11.72%	
1153	Vaughan's Seed Co., Downers Grove, Ill. Vaughan's Bone Meal	Nitrogen	2.00%	1.41%	
87	Vaughan's One Shot Lawn Food 20-5-5	Nitrogen	20.00%	18.98%	
556	Vaughan's Turf Food 20-10-5	Potash	5.03%	3.95%	
1158	Vaughan's Turf Food Lawn Fertilizer 20-10-5	Available phosphoric acid	10.00%	7.66%	
1116	Vaughan's Weeder Feeder 20-10-5	Available phosphoric acid Potash	10.00% 5.00%	7.02% 3.10%	
1102	Virginia-Carolina Chemical Corp., Baltimore, Md. Cauliflower Fish and Borax Granulated 5-10-5	Borax equivalent	2.0 lb. per ton	19.7 lb. per ton	Boron calculated as borax
629	VC 8-16-8	Available phosphoric acid	16.00%	14.33%	
112	VC Fertilizers 8-16-16	Available phosphoric acid	16.00%	14.52%	
1371	VC Granulated 0-15-30	Potash	30.00%	28.18%	
192	VC Granulated 5-10-10	Potash	10.00%	9.11%	
193	VC Granulated 5-10-15	Potash	15.00%	12.65%	

TABLE IV—Cont'd—NATURE OF MISBRANDING OF SAMPLES NOT CONFORMING TO GUARANTEE

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
173	VC Granulated 5-20-20	Potash	20.00%	19.08%	
1370	VC Granulated 6-24-24	Potash	24.00%	22.17%	
172	VC Granulated 10-20-20	Nitrogen	10.00%	8.52%	
1302	VC Granulated	Available phosphoric acid	20.00%	18.70%	
191	VC Harvest King Granulated 0-20-20	Potash	20.00%	18.13%	
194	VC Harvest King Granulated 5-20-20	Nitrogen	5.00%	4.24%	
171	VC Harvest King Granulated 10-10-10	Nitrogen	10.00%	6.40%	
195	VC Harvest King Granulated 10-20-20	Nitrogen	10.00%	7.89%	
170	VC Harvest King Granulated 16-8-8	Nitrogen	16.00%	14.57%	
1368	VC Harvest King Granulated 16-8-8	Nitrogen	16.00%	15.01%	
246	VC Special 5-10-10 Granulated	Nitrogen	5.00%	4.31%	
196	VC Vigilante Fertilizer 5-10-5	Potash	5.00%	4.26%	
Williamson, Inc., Garfield, Jersey City, N. J.					
1293	Imp Azalea and Rhododendron Food 100% Organic 2-5-2	Sulfur		7.32%	Sulfur not guaranteed
1623	Imp Azalea and Rhododendron Food 100% Organic 2-5-2	Sulfur		6.77%	Sulfur not guaranteed
1130	Wonderlawn New All In One Lawn Food 10-6-4	Boron	0.0575%	0.003%	
91	Wonderlawn 100% Organic Nitrogen 10-6-4	Nitrogen	10.00%	7.73%	
Woodbury Garden Center, Woodbury, N. Y.					
536	Woodbury Garden Center 20-6-4 Lawn Food	Nitrogen	20.00%	19.32%	

ARTICLE 9-A

Sale of Agricultural Liming Materials

Section 142-aa. Definitions and standards.

142-bb. Prohibition.

142-cc. Label or accompanying statement and weigh slip.

142-dd. Certificate to be filed.

142-ee. License and fee.

142-ff. Report of sales.

142-gg. Sampling and analyzing.

§ 142-aa. **Definitions and standards.** (a) "Agricultural liming material," means all materials and all calcium and magnesium products in the oxide, hydrate, carbonate or silicate form or combinations thereof sold, offered for sale or used for the correction of soil acidity, including such forms of material designated as burned lime, hydrated lime, carbonate of lime, agricultural limestone, slag and marl.

(b) "Brand" means each agricultural liming material identified by and differing from others either in name, trademark, descriptive designation or other method of marking, composition, and total neutralizing value or fineness.

(c) "Total neutralizing value" means the neutralizing value of an agricultural liming material expressed as calcium carbonate equivalence as determined in accordance with methods adopted by the commissioner.

(d) "Fineness" means the percentage by weight of the material which will pass sieves of specified number or mesh as established by the commissioner. Fineness shall be measured in reference to a twenty mesh and a one hundred mesh sieve, in accordance with methods adopted by the commissioner.

§ 142-bb. **Prohibition.** No person shall sell, offer or expose for sale in this state any agricultural liming material which does not have a minimum total neutralizing value of sixty per centum calcium carbonate equivalence and, except hydrated lime and burned lime, a minimum fineness of eighty per centum passing a twenty mesh sieve and thirty per centum passing a hundred mesh sieve nor for which a certificate of registration has not been filed and a license to sell has not been issued pursuant to this article; nor shall he permit any claim or guarantee to be indicated upon any label, tab, or package or accompanying statement to the effect that such material possesses a higher specification than such material does in fact contain; nor shall he sell, offer or expose for sale any such material adulterated with any substance injurious to the growth of plants (other than weeds); nor shall he sell, offer or expose for sale any agriculture liming material in this state without a label or accompanying statement and weigh slip as required by section one hundred forty-two-cc.

§ 142-cc. **Label or accompanying statement and weigh slip.** No agricultural liming material shall be sold, offered, or exposed for sale in this state unless there shall be affixed to each package in a conspicuous place on the outside thereof a plainly printed, stamped or otherwise marked label, tag or statement or in the case of bulk sales there shall be provided a certified weigh slip plainly printed, stamped or otherwise marked, which shall certify as follows:

1. The name, principal office address and plant location of the manufacturer, producer or distributor.
2. The identification of the product as to the type of liming material.
3. The brand under which it is sold.
4. A statement expressing the minimum total neutralizing value stated as calcium carbonate equivalence, the minimum calcium carbonate equivalence derived from magnesium sources, and the minimum fineness, at time of delivery.
5. The net weight of the material.
6. The kind and amount of adulterant or foreign material therein, if any, expressed by weight of the material.
7. In the case of any material which has been damaged, hydrated, adulterated or otherwise changed subsequent to the original packaging, labeling, or loading thereof and before delivery to the consumer, a plainly marked notice to that effect shall be affixed by the vendor to the package or accompanying statement, such notice to identify the kind and degree of such damage, hydration, adulteration or other change therein.

At every site, from which agricultural liming products are delivered in bulk, and at every place where consumer orders for bulk deliveries are placed, there shall be conspicuously posted a copy of the statement required by this section for each brand of material.

§ 142-dd. **Certificate to be filed.** Before any person shall sell, offer or expose for sale in this state any agricultural liming material, he shall, for each brand thereof, file annually with the commissioner upon forms supplied by the commissioner, a certificate for registration of such brand stating the name, principal office address and plant location of the manufacturer or shipper, the type of liming material, the brand name, the minimum specifications as to total neutralizing value, the minimum calcium carbonate equivalence derived from magnesium sources and fineness. Such certificate shall constitute a warranty by the vendor to the purchaser that the material will meet the minimum specifications stated therein at the time of delivery.

§ 142-ee. **License and fee.** Each certificate filed pursuant to section one hundred forty-two-dd shall be accompanied by an application upon forms supplied by the commissioner, for a license to sell such material under the brand specified therein, and there shall be transmitted therewith a copy of the label and of the statement proposed to accompany such material in compliance with section one hundred forty-two-cc, together

with a license fee of twenty dollars for each such brand. Such application shall incorporate by reference the data contained in the accompanying certificate for the brand for which the license is sought. Upon compliance with the provisions of this article, the applicant shall be licensed for the current year for the sale of such qualifying brand of agricultural liming material, which license shall expire on the thirty-first day of December of the year in which it is issued, but no such license shall be issued for the sale of any such material which does not meet the minimum standards herein provided for nor for the sale thereof under a brand descriptive designation or with a label or accompanying statement which is or tends to be misleading or deceptive as to quality, analysis or composition. Any such license so issued may be revoked by the commissioner, after notice to the licensee by mail or otherwise and opportunity to be heard, when it appears that any statement or representation upon which it is issued is false or misleading. The action of the commissioner in refusing to grant a license, or in revoking a license, shall be subject to review by a proceeding under article seventy-eight of the civil practice law and rules, but the decision of the commissioner shall be final unless within thirty days from the date of the order embodying such action such proceeding to review has been instituted.

Whenever a manufacturer, producer or distributor shall have been licensed for the sale of a particular brand of material hereunder, no agent, seller or retailer of such brand shall be required to file a certificate or obtain a license for such brand during the year for which it is licensed, nor upon such goods so licensed remaining unsold in subsequent years which were purchased during the year for which they were licensed.

§ 142-ff. **Report of sales.** Every licensee shall, on or before the last day of February in each year report the net tonnage sales of each brand of agricultural liming materials sold by him in the state during the preceding calendar year. Such report shall be made in triplicate upon forms supplied by the commissioner. One such copy, accompanied by a copy of the certificate required to be filed pursuant to section one hundred forty-two-dd, for each brand of material referred to in the report, shall be transmitted to the Department of Agronomy, New York State College of Agriculture, Cornell University, Ithaca, New York, one copy shall be transmitted to the commissioner, and the other copy shall be retained by the licensee. Such reports shall be confidential and no information therein shall be disclosed in such a way as to divulge the operation of any person.

Failure to comply with the requirements of this section within the time limit shall subject the licensee to revocation of all current licenses held by him for sale of such materials and the denial of all future license applications until compliance herewith, after hearing and subject to review as provided in section one hundred forty-two-ee.

§ 142-gg. **Sampling and analyzing.** 1. It shall be the duty of the commissioner or his duly authorized agent to sample each different brand of

agricultural liming material distributed within the state, to such an extent as he may deem necessary to determine compliance with the provisions of this article.

A sample to be designated official shall be one taken in the presence of the vendor or a person responsible to the vendor. Such sample shall, in the presence of the witness, be divided into two representative samples, each sealed, and one of such sealed samples shall be tendered, and if accepted, delivered to the witness; the other sealed sample the commissioner shall analyze or cause to be analyzed.

2. The results of the analysis of each official sample shall be promptly reported by the commissioner to the registrant. In the event an official sample shall analyze below the guarantee, the registrant may within twenty days submit evidence that the sample was non-representative or erroneous. If no satisfactory evidence is so submitted the report of analysis shall become official.

3. The commissioner shall publish or cause to be published at least annually the results of all analyses indicating the information required to be shown on labels and statements pursuant to section one hundred forty-two-cc of this article and such other information as the commissioner shall deem advisable.

§ 2. Paragraphs (d), (e) and (f) of subdivision four of section one hundred forty-three of such law, paragraph (d) thereof having been amended and paragraphs (e) and (f) having been added by chapter one hundred ninety-three of the laws of nineteen hundred twenty-eight, are hereby repealed and paragraph (g) of such subdivision as added by chapter five hundred fifty-one of the laws of nineteen hundred forty-one, is hereby relettered to be paragraph (d).

§ 3. This act shall take effect January first, nineteen hundred sixty-four.

TABLE V—REPORT OF ANALYSES OF SAMPLES OF AGRICULTURAL LIMING MATERIALS
JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Balducci Crushed Stone Co., Gouverneur, N. Y. Balducci Agricultural White Limestone	101	%	%		
		G 96.12 ¹ F 94.14	24.82 16.97	95.0 93.7	95.0 56.0
Barrett Div., Allied Chemical Corp., New York, N. Y. Barrett Agricultural Limestone	102	G 83.00 F 91.90	30.00 42.60	98.0 99.5	50.0 50.0
Basic Dolomite, Agricultural Div. of Basic, Inc., Cleveland, Ohio Basic Bulk Pulverized Agricultural Limestone	357	G 94.00 F 101.99	46.00 48.03	98.0 99.7	65.0 72.2
Batten Kill Stone, Inc., Fort Edward, N. Y. Batten Kill Lime (Agricultural Limestone)	218	G 77.00 F 80.05	17.37 23.51	97.0 99.8	53.0 66.3
Bethlehem Limestone Co., Stone and Slag Div., Bethlehem, Pa. Hanover Agricultural Limestone	310	G 89.40 F 94.23	27.80 32.77	98.0 99.8	85.0 92.9

¹ NOTE—Letters indicate as follows: G—"Guaranteed," F—"Found," ng—"Not Given"

TABLE V—Cont'd—REPORT OF ANALYSES OF SAMPLES OF AGRICULTURAL LIMING MATERIALS
JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Callanan Road Improvement Co., So. Bethlehem, N. Y. Calco Agricultural Limestone Calco Agricultural Limestone	210	G	ng ¹	ng	ng
		F	87.70	93.6	55.0
	222	G	84.40	98.0	60.0
		F	85.47	99.6	61.9
Cayuga Crushed Stone, Inc., So. Lansing, N. Y. Ag Lime	303	G	82.00	98.0	50.0
		F	84.02	99.9	50.0
Clarendon Stone Corp., Clarendon, N. Y. Clarendon Bulk Limestone	351	G	90.00	88.0	40.0
		F	90.51	95.4	39.6
Colarusso and Son, Inc., A., Hudson, N. Y. A. Colarusso and Son, Inc. Agricultural Limestone	216	G	85.00	98.0	70.0
		F	86.68	98.4	67.8
Comark Corp., Ithaca, N. Y. Squire Applegate Lime	215	G	84.40	98.0	60.0
		F	86.33	99.0	52.0

¹ NOTE—Letters indicate as follows: G—"Guaranteed," F—"Found," ng—"Not Given"

TABLE V—Cont'd—REPORT OF ANALYSES OF SAMPLES OF AGRICULTURAL LIMING MATERIALS
JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Squire Applegate Lime for Lawns and Gardens	226	%	%		
		G 84.40 ¹ F 84.84	7.44 7.30	98.0 99.6	60.0 60.8
Squire Applegate Groleaf Lime for Lawn and Garden	220	G ng F 95.88	ng 21.54	ng 99.9	70.0 95.7
Concrete Materials, Inc., Brockport, N. Y. C M I Agricultural Lime	362	G 67.50 F 70.95	3.42 17.67	98.0 93.1	45.0 53.2
Conklin Limestone Co., Inc., Canaan, Conn. Conklin Lawn and Garden Dolomite Lime-stone	261	G ng F 87.65	44.67 39.19	98.0 99.7	40.0 59.0
		G ng F 94.08	44.67 44.43	98.0 99.9	40.0 58.0
High Magnesium Agricultural Ground Lime-stone	208	G 90.00 F 84.90	44.67 40.06	98.0 99.8	40.0 65.4

¹ NOTE—Letters indicate as follows: G—"Guaranteed," F—"Found," ng—"Not Given"

TABLE V—Cont'd—REPORT OF ANALYSES OF SAMPLES OF AGRICULTURAL LIMING MATERIALS
JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
		%	%		
High Magnesium Agricultural Ground Lime- stone	225	G 90.00 ¹ F 89.53	44.67 41.62	98.0 99.7	40.0 57.8
Corson, Inc., G. and W. H., Plymouth Meeting, Pa.					
Corson's Air Floated Dolomitic Limestone (Pulverized)	55	G 103.70 F 104.74	52.20 52.77	98.0 97.9	75.0 81.0
Corson's Lime High Magnesium	54	G 155.10 F 165.63	74.00 83.31	99.0 99.8	95.0 92.4
Ground Limestone	53	G 94.00 F 89.32	45.80 43.20	98.0 99.9	85.0 89.8
Corson Agricultural Limestone Carbonates	63	G 94.00 F 99.04	45.80 47.71	98.0 99.3	85.0 94.0
County Line Stone Co., Inc., Akron, N. Y. Pulverized Agricultural Lime	355	G 84.00 F 85.83	5.00 5.28	93.0 94.2	40.0 59.5
Crushed Rock Products, Inc., Schenectady, N. Y. Crushed Rock Products Inc. Agricultural Land Lime	213	G 77.00 F 73.55	32.00 30.63	90.0 98.6	35.0 59.8

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TABLE V—Cont'd—REPORT OF ANALYSES OF SAMPLES OF AGRICULTURAL LIMING MATERIALS
JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
		%	%		
Cushing Stone Co., Inc., Schenectady, N. Y. Cushing Agricultural Limestone	214	G 80.00 ¹	24.80	96.0	40.0
		F 76.38	28.82	99.9	70.0
D and S Lime, Inc., Albion, N. Y. D and S Marl	359	G 65.00	None	99.0	85.0
		F 66.72	None	99.6	98.4
Dolomite Products Co., Inc., Rochester, N. Y. Brand Name Not Given	3	G ng	ng	98.0	40.0
		F 83.44	41.13	96.3	46.8
Eastern Rock Products, Inc., Utica, N. Y. E. R. P. Brand Limestone	107	G 82.00	2.00	98.0	60.0
		F 92.05	3.30	99.1	70.3
Evans-Roberts Co., Norristown, Pa. E-R Lawns and Gardens	67	G ng	ng	98.0	70.0
		F 101.60	50.26	99.5	72.7
Farber White Limestone Co., Franklin, N. J. Dolomitic Pulverized Limestone for Lawns and Gardens	60	G ng	ng	99.0	58.0
		F 99.80	18.39	100.0	59.8

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JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Dolomitic Pulverized Limestone for Lawns and Gardens	253	%	%		
		G ng ¹ F 98.42	ng 16.39	99.0 100.0	58.0 52.6
Dolomitic Pulverized Limestone for Lawns and Gardens	264	G ng F 100.34	ng 32.05	99.0 100.0	58.0 63.1
		G 98.16 F 99.05	19.85 12.07	98.0 99.8	58.0 53.2
Sno-White Brand Dolomitic Agricultural Limestone	256				
Feithans and Maurer Services, Inc., Akron, N. Y. Agricultural Limestone	451	G 81.40 F 85.93	ng 5.08	94.8 98.8	71.7 88.3
Frontier Stone Products, Inc., Lockport, N. Y. Dolomitic Agricultural Limestone	353	G 94.60 F 96.38	44.60 43.06	98.0 99.7	60.0 78.6
Super Fine Ground Dolomitic Agricultural Limestone	354	G 94.60 F 96.81	44.60 42.54	ng 100.0	90.0 98.4

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JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Garden Sales, Niskayuna, N. Y. Northeast Lawn and Garden Lime Northeast Lawn and Garden Lime	211	G ng ¹ F 87.87	ng 6.59	ng 98.5	ng 58.3
	223	G ng F 87.09	ng 7.19	ng 98.5	ng 52.3
	103	G 89.95	2.48	98.0	40.0
	364	F 94.83	2.68	99.3	54.3
General Crushed Stone Co., Easton, Pa. Agricultural Ground Limestone Fossil Brand Agricultural Limestone General Sodus Agricultural Limestone Mohawk Brand Agricultural Limestone		G 89.95	2.48	98.0	40.0
		F 94.83	2.68	99.3	54.3
		G 89.95	2.48	98.0	40.0
	2	F 94.31	2.94	98.7	51.9
		G 95.00	40.00	80.0	40.0
Genesee Lime Products, Inc., Rochester, N. Y. Caledonia AG Lime (Marl)		F 104.07	51.68	76.7	41.8
	105	G 84.25	2.48	98.0	48.0
		F 91.03	2.78	98.8	61.7
Halstead Distribution Corp., Mt. Kisco, N. Y. Just Right Pulverized Limestone	363	G 71.40	3.93	92.0	55.0
		F 73.68	None	98.9	68.4
	260	G 90.13	9.30	98.0	70.0
		F 94.88	11.00	99.7	78.6

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JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Heritage House Products, Inc., Philadelphia, Pa. Heritage House Soil Sweetener	64	G 93.77 ¹	%	—	—
		F 98.45	52.00 46.78	—	—
Lee Lime Corp., Lee, Mass. Lee Cal-Mag Limestone Lee Cal-Mag Limestone Lee Double Strength Hydrate (For Agricul- tural Purposes)	204	G ng	ng	ng	ng
		F 104.08	46.91	92.3	57.8
	224	G 98.50	22.50	98.0	75.0
		F 96.96	17.15	99.4	82.8
Lee Lawn and Garden Magnesium Lime Lee Lawn and Garden Magnesium Lime Lee Lawn and Garden Magnesium Lime Tobey Agra Hydrate	205	G ng	ng	ng	ng
		F 148.61	72.77	100.0	98.6
	69	G ng	ng	ng	ng
		F 105.04	50.46	88.4	49.5
Lee Lawn and Garden Magnesium Lime Lee Lawn and Garden Magnesium Lime Lee Lawn and Garden Magnesium Lime Tobey Agra Hydrate	219	G 98.50	22.50	98.0	75.0
		F 105.17	48.97	88.8	46.7
	71	G ng	ng	ng	ng
		F 103.91	49.96	88.5	51.1
Tobey Agra Hydrate	207	G ng	ng	ng	ng
		F 133.90	62.65	99.4	76.6

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JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
		% G ng ¹ F 131.74	% ng 63.84	ng 99.2	ng 76.0
Tobey Agra Hydrate	68				
Limestone Products Corp. of America, Newton, N. J.					
Lime Crest Garden Calcite	52	G 90.13 F 91.79	9.30 14.26	98.0 99.7	70.0 78.4
Lime Crest Pulverized Limestone	252	G ng F 90.43	ng 9.87	99.0 99.7	70.0 79.3
Masick Soil Conservation Co., Schoharie, N. Y. Legume Life Lime	151	G 94.95 F 94.05	1.24 1.36	98.0 96.3	40.0 41.6
Millard Lime and Stone Co., H. E., Annville, Pa.					
Air Floated Pulverized Limestone	302	G 96.64 F 97.50	1.24 1.45	100.0 99.8	95.0 92.6
Modern Rotary Kiln Hydrated Lime	301	G ng F 131.90	ng 1.87	100.0 100.0	99.0 99.8
Munnsville Limestone Corp., Munnsville, N. Y. Agricultural Limestone	104	G 85.00 F 90.40	2.00 4.90	98.0 99.2	50.0 56.8

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JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
National Gypsum Co., Buffalo, N. Y. Gold Bond Hydrated Lime for Agricultural Use	309	%	%		
		G 129.76 ¹ F 130.04	1.24 0.12	100.0 100.0	95.0 99.6
New England Lime Co., Div. of Chas. Pfizer and Co., Inc., Adams, Mass. Nelco Agricultural Limestone Nelco Agricultural Limestone	201	G ng F 108.18	ng 52.94	ng 99.2	ng 70.0
	202	G ng F 94.00	ng 0.57	ng 100.0	ng 87.8
	51	G ng F 80.65	ng 38.34	99.0 100.0	65.0 73.1
	61	G ng F 79.78	ng 38.05	99.0 100.0	65.0 72.0
New Jersey Zinc Co., The, New York, N. Y. Horse Head Limestone Dolomitic Horse Head Limestone Dolomitic Pallete Stone Corp., Saratoga Springs, N. Y. Saratoga Ground Limestone Saratoga Ground Limestone	209	G ng F 78.07	ng 33.81	98.0 100.0	ng 85.8
	227	G 76.89 F 81.34	32.26 36.91	98.0 99.8	70.0 85.3

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TABLE V—Cont'd—REPORT OF ANALYSES OF SAMPLES OF AGRICULTURAL LIMING MATERIALS
JAN. 1, 1964 TO DEC. 31, 1964

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium Carbonate Equivalence		Percentage of Particles Smaller Than	
		Total	From Magnesium	20 Mesh	100 Mesh
Pamco Peat and Lime Co., Inc., Alfred, N. Y. Pamco Marl	307	G 62.00 ¹	% None	98.0	90.0
		F 70.74	0.86	99.6	98.3
Professional Turf Products Co., Mt. Kisco, N. Y. Professional Ground Limestone	257	G ng	ng	ng	ng
		F 97.40	19.90	98.3	80.5
Professional Ground Limestone—Turf and Garden Use	263	G ng	ng	ng	ng
		F 96.84	22.99	99.1	86.0
Royalton Stone Corp., Lockport, N. Y. Dolomitic Agricultural Limestone	352	G 94.60	44.60	98.0	60.0
		F 98.75	46.05	99.7	63.2
Schoharie County Aglime, Inc., Cobleskill, N. Y. Aglime	152	G 90.66	3.20	98.0	40.0
		F 88.56	1.91	95.0	33.1
Aglime	153	G 90.66	3.20	98.0	40.0
		F 90.03	2.63	99.1	71.7
Solvay Process Div., Allied Chemical Corp., New York, N. Y. Solvay Pulverized Limestone	108	G 88.00	4.00	95.0	50.0
		F 94.18	4.80	98.6	65.0

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JAN. 1, 1964 TO DEC. 31, 1964

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		Total	From Magnesium	20 Mesh	100 Mesh
Starkman, Jesse, Carmel, N. Y. Wingdale Agricultural Limestone	212	G 102.00 ¹	%	98.0	50.0
		F 106.50	49.00 52.85	99.9	68.6
Swanton Lime Works, Inc., Swanton, Vermont Soilsweet Standard Ground Limestone	221	G ng	ng	98.0	40.0
		F 98.57	1.91	100.0	98.0
Swiss Farms, Inc., Philmont, N. Y. Swiss Farms Finely Ground Limestone	217	G ng	ng	95.0	40.0
		F 106.80	49.59	99.2	58.9
Swiss Farms Horticultural Finely Ground Limestone	258	G ng	ng	95.0	40.0
		F 106.88	50.58	98.6	54.4
United States Gypsum Co., Chicago, Ill. USG Agricultural Limestone	203	G ng	ng	ng	ng
		F 95.15	2.27	99.9	76.6
Red Top General Purpose Hydrated Lime	259	G ng	ng	95.0	70.0
		F 131.62	1.65	100.0	100.0
United States Steel Corp., Buffalo, N. Y. Michigan Limestone Do-Cal Blend	251	G 95.00	18.00	98.0	60.0
		F 94.22	27.12	99.6	76.3

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JAN. 1, 1964 TO DEC. 31, 1964

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		Total	From Magnesium	20 Mesh	100 Mesh
Universal Marble Products Corp., Thornwood, N. Y. Agri-Lime For Lawns and Gardens Agri-Lime for Lawns Gardens Plants	254	%	%		
		G ng ¹ F 85.87	ng 39.26	ng 100.0	ng 48.8
	262	G F 99.38	ng 48.41	ng 100.0	ng 49.8
Vermarco Lime Co., Div. of Vermont Marble Co., Proctor, Vt. Vermarco Agricultural Limestone	206	G ng F 95.27	ng 1.27	ng 100.0	ng 91.7
Warner Co., Philadelphia, Pa. Warner Bald Eagle Hydrated Lime High Cal- cium Warner Bell-Mine Hydrated Lime High Cal- cium for Chemical Use Warner Bell Mine Limestone Pulverized	304	G ng F 130.89	ng 1.72	100.0 100.0	99.2 100.0
	62	G ng F 132.30	ng 1.47	ng 99.8	100.0 99.2
		G ng F 98.28	ng 1.40	100.0 99.9	90.0 97.6
	305				

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