

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

January 1 to December 31, 1963

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

S. C. Apgar	H. T. Feldsine	J. P. Ryan
J. E. Barber	Mrs. M. Giegengack	W. P. Shackelford
K. F. Breitfeld	F. J. Hubbard	R. W. Sherman
Miss G. A. Davis	W. M. Pollock	L. J. Sowersby

Laboratory Staff

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

D. B. Hand, *Professor and Head of Department*

A. W. Avens, *Professor*

G. F. Rickey, *Chemist-in-Charge*

M. H. Campfield	D. S. Farwell *	R. J. Polimeni
J. W. Covert	Mrs. J. C. Gilbert	Miss S. D. Prentice
J. P. Farnsworth *	Mrs. O. E. Lutz	Miss R. M. Vickery
	Miss M. McGuigan *	

* Part time.

INTRODUCTION

Under the Agriculture and Markets Laws of New York State each brand of commercial feed, fertilizer, and 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 liming materials the minimum percentages of calcium and magnesium oxides. Wherever other constituents are guaranteed, their percentages must be stated.

Field inspectors of the Department of Agriculture and Markets procure samples of various brands of commercial feeds, fertilizers, and 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. 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 lime materials collected by agents of the Department of Agriculture and Markets from goods offered or exposed for sale in New York State during 1963. 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.

Major provisions of the statutes requiring registration of all commercial feeds, fertilizers, and lime materials with guarantees as indicated in Articles 8 and 10 of the Agriculture and Markets Law are included in this bulletin.

The samples of lime materials have been divided into two classifications: (a) Limestone (carbonates) and (b) Burned Lime (oxides), and Hydrated Limes (hydroxides).

If a sample of burned lime were absolutely pure, it would contain 100 per cent of calcium oxide. If this burned lime were allowed to slake, the weight of the mass would increase and the percentage of calcium oxide would decrease proportionately. Slaked lime obtained from pure burned lime would then contain about 75 per cent calcium oxide. Slightly over 56 per cent calcium oxide is present in absolutely pure limestone.

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 results of the chemical analyses of such samples (Table V).

For the convenience of the reader, the factors used in calculating the percentage of various forms of lime, when other forms are known, are given in the following table:

Given	To find	Multiply
Calcium Oxide.....CaO	Calcium Hydrate.....Ca(OH) ₂	1.3213
Calcium Oxide.....CaO	Calcium Carbonate.....CaCO ₃	1.7848
Calcium Hydrate.....Ca(OH) ₂	Calcium Oxide.....CaO	.7569
Calcium Carbonate.....CaCO ₃	Calcium Oxide.....CaO	.5603
Magnesium Oxide.....MgO	Magnesium Hydrate.....Mg(OH) ₂	1.4468
Magnesium Oxide.....MgO	Magnesium Carbonate.....MgCO ₃	2.0915
Magnesium Hydrate.....Mg(OH) ₂	Magnesium Oxide.....MgO	.6912
Magnesium Carbonate.....MgCO ₃	Magnesium Oxide.....MgO	.4781

These tabulations can be a valuable and reliable guide to buyers, since they show the carefulness of different manufacturers in maintaining their guarantees and in correctly tagging or labeling their products.

The agriculture and markets law was amended in 1963 by the addition of a new article, nine-a, governing the sale of agricultural liming materials. Paragraphs of section one hundred forty-three of the fertilizer law pertaining to agricultural liming materials were repealed. These changes went into effect on January 1, 1964.

ARTICLE 8 *

Sale and Analysis of Commercial Feed

- Section 128. Term “commercial feed” defined.
129. Term “roughages” defined.
130. Prohibiting sale of certain compounded feeds.
131. Statements to be attached to containers; contents; analysis.
131-a. Sale of commercial feed in bulk.
131-b. Guaranty.
132. Application for license.
133. License fee.
133-a. Revocation of license.
133-b. Misrepresentations prohibited.
134. Commissioner to take samples for analysis.
135. Rules and regulations.

§ 128. **Term “commercial feed” defined.** The term “commercial feed” means all materials which are sold, offered or exposed for sale, or distributed for use as feed for fowl or animals other than cats and dogs; but shall not include the materials defined in this article as roughages, the whole seed nor the unmixed meals, made directly from the entire grains, nor corn and cob meal, nor malt sprouts, when sold as such by the maltster at retail, nor shall it include poultry feeds consisting of whole or whole and cracked grains mixed together, with or without grit, oyster shells or charcoal, when all the ingredients may be identified by the naked eye; and shall not include the materials hereinafter prohibited by section one hundred thirty herein.

§ 129. **Term “roughages” defined.** The term “roughages” as used in this article, shall include dried and ground corn stalks or other parts of the corn plant not included in the grain, oat hulls, barley hulls, clipped oat by-product, sorghum plant by-products and flax plant by-products, cotton seed hulls, buckwheat hulls, cocoa shells or other materials of a similar character, dried and ground straws and hays, except ground and chopped alfalfa.

§ 130. **Prohibiting sale of certain compounded feeds.** No person shall sell, offer or expose for sale any commercial feed containing peanut shells, peanut hulls, rice hulls, rice chaff, rice straw, humus, peat, sphagnum moss, coffee hulls, chaff, sawdust, gravel, grit, sand, ground corn cobs except in corn and cob meal unmixed with other materials, or ground coconut shells, or any substances injurious to the health of animals or having no feeding value; nor shall any person sell, offer or expose for

* Former Article 8 entire repealed and this Article added by Chap. 469, Laws of 1958; effective January 1, 1959.

sale any commercial feed containing weed seeds, the viability of which has not been destroyed, but the commissioner shall have power to permit a uniform and reasonable tolerance in the amount of such seeds.

§ 131. **Statements to be attached to containers; contents; analysis.** No manufacturer, firm, association, corporation or person shall sell, offer or expose for sale or for distribution in this state any commercial feed used for feeding fowl or animals unless each container containing such commercial feed shall have affixed to or printed upon each and every such container in a conspicuous place on the outside thereof a legible label or tag, the form of which shall be prescribed by the commissioner and which shall bear a plainly printed statement which shall certify as follows:

1. The net weight of the contents of the container, except in the case of malt sprouts sold in containers containing uneven weights.

2. The name, brand, or trademark.

3. The name and principal address of the manufacturer or person responsible for the placing of the commercial feed upon the market.

4. Its composition expressed in the following terms:

- a. The minimum per cent of crude protein.

- b. The minimum per cent of crude fat.

- c. The maximum per cent of crude fiber.

- d. If a compounded feed the name of each ingredient contained therein.

- e. If artificially colored, such fact shall be so stated. Artificial color may be used in feeds only if it has been shown to the satisfaction of the commissioner to be harmless to animals or fowl. No material shall be used to enhance the natural color of a feed or feed ingredient whereby inferiority would be concealed.

- f. In the case of meat products containing more than four and four tenths per cent of phosphorus (P), the word "bone" must appear as a part of the brand name.

- g. In the case of molasses, the minimum per cent of total sugar expressed as invert.

- h. In the case of mineral or inorganic compounds mixed or unmixed, the minimum and maximum per cent of calcium (Ca), the minimum per cent of phosphorus (P), Iodine (I) and maximum per cent of salt (NaCl), if present shall be declared.

- i. When the word "iodized" is used in connection with a feed ingredient, the ingredient shall contain not less than .007 per cent iodine uniformly distributed.

j. Mineral phosphatic materials for feeding purposes shall be labeled with a guarantee for the minimum percentages of calcium (Ca) and phosphorus (P), and the maximum percentage of fluorine (F).

k. The fluorine content of any mineral or mineral mixture which is to be used directly for the feeding of animals or fowl shall not exceed .30 per cent for cattle; .35 per cent for sheep; .45 per cent for swine, and .60 per cent for fowl.

Soft phosphate with colloidal clay, rock phosphates, or other fluorine-bearing ingredients may be used only in such limited amounts in commercial feed that they will not raise the fluorine of the total concentration of the grain ration above the following amounts: .009 per cent of fluorine for cattle .010 per cent of fluorine for sheep; .014 per cent of fluorine for swine, and .035 per cent of fluorine for fowl.

l. Urea and ammonium salts of carbonic and phosphoric acids are acceptable ingredients in proprietary cattle, sheep, and goat feeds only; these materials shall be considered adulterants in proprietary feeds for other animals and fowl.

The maximum percentage of equivalent protein from non-protein nitrogen must appear immediately below the crude protein in the chemical guarantee; and the name of the substance supplying the non-protein nitrogen must appear in the ingredient list.

If feed contains more than three per cent of urea, or if the equivalent protein contributed by urea exceeds one-third of the total crude protein, the label shall bear a declaration of proper usage and the following statement in type of such conspicuousness as to render it likely to be read and understood by ordinary individuals under customary conditions of purchase and use:

WARNING: This feed should be used only in accordance with directions furnished on the label.

m. Before a license is issued for a commercial feed which contains drugs, hormones, or other ingredients which are potentially harmful to fowl or animals, the distributor may be required to submit evidence to show the safety of the feed when used according to the directions which the distributor furnishes with the feed; and to state the percentage of the drug, hormone, or other ingredients in a prominent place on the label of the feed.

n. The statement to be placed upon the label tag, or containers as herein provided shall be the same statement as that upon the application filed in the office of the commissioner by the applicant when applying for a license as required by section one hundred and thirty-two of this chapter.

Metal fasteners with sharp points shall not be used to attach a tag to the container if in the container there is a commercial feed, irrespective of whether it be a commercial feed as defined in this article or a commercial feed exempt from the provisions of this article.

§ 131-a. **Sale of commercial feed in bulk.** If any such commercial feed be sold, offered or exposed for sale in bulk, the printed statement required by section one hundred thirty-one of this article shall accompany every delivery thereof. Any such commercial feed purchased in bulk and thereafter placed in containers for the purpose of sale shall have labels or tags attached to each container giving the information as provided herein before being sold, offered or exposed for sale.

Whenever any commercial feed is sold at retail in bulk or in containers belonging to the purchaser, the seller, upon request of the purchaser, shall furnish the said purchaser the information contained in the certified statement provided herein. Whenever any dealer shall mix a commercial feed to a customer's order, he shall give to the customer at the time of delivery of the commercial feed a printed or written statement of all of the materials used and the weight of each. While the custom mix is stored, it shall be labeled "Special Mixture" or "Mixed to Order," giving the name and address of the party for whom mixed.

§ 131-b. **Guaranty.** That portion of the statement required by this section relating to the quality and ingredients of commercial feed shall be deemed a guaranty. A licensee may add or delete ingredients in a licensed commercial feed under the license issued by filing with the commissioner a fully written notice or statement of such change, provided that such additions or deletions do not alter the percentage of protein, fat, or fiber guaranteed under such license, and that the statement on the containers or tags shall be corrected accordingly.

§ 132. **Application for license.** Before any manufacturer or person shall sell, offer or expose for sale in this state any commercial feed he or they shall, for each and every brand of commercial feed, file annually, prior to the sale, offer or exposure for sale, with the commissioner an application for a license upon a form prescribed by the commissioner.

§ 133. **License fee.** There shall be two types of licenses, one to be known as a retailer's license authorizing the sale of a brand of commercial feed at a place designated in the license to the ultimate user thereof for feeding purposes and not for resale, and the other to be known as a wholesaler's license authorizing the sale anywhere within the state of a brand of commercial feed for feeding purposes either for resale or otherwise.

The fee for a retailer's license shall be ten dollars for each brand. The fee for a wholesaler's license shall be twenty-five dollars for each brand.

Every manufacturer or seller of any commercial feed shall pay annually, at the time of presenting the application for a license, to the commissioner for remittance to the state treasury the license fee hereinbefore provided for each and every brand to be sold, offered, or exposed for sale. The commissioner, if satisfied of the character and good faith of the applicant, shall issue to such applicant a license for the sale of such brand of commercial feed. Such license shall expire on the thirty-first day of December of the calendar year for which it was issued, but no such license shall be issued for the sale of a brand of commercial feed under a brand or trade name which is misleading or deceptive in any particular or which tends to mislead or deceive as to the constituents or materials of which it is composed or in any other respect.

§ 133-a. **Revocation of license.** Any license may be revoked by the commissioner when it is shown that any statement upon which it was issued is false or misleading or if the manufacturer of the commercial feed covered by such license shall deny to the commissioner or his representatives access, at any time, to the plant where the brand of commercial feed covered by the license is manufactured, or if the manufacturer shall refuse to permit an examination of the plant where the particular brand of commercial feed covered by such license is manufactured during the process of manufacture thereof.

No person shall sell, offer or expose for sale any commercial feed not covered by an unrevoked license, issued as hereinbefore set forth; provided, however, that a retailer having commercial feed in his possession for sale which he purchased during the time when a wholesaler's license was in force shall not be prohibited from selling the remainder of such commercial feed on hand by virtue of the revocation of the wholesaler's license or by the fact that the wholesaler license has expired.

For the purpose of this article, commercial feed shall be considered as distinct and separate brands when differing either in guaranteed analysis, ingredients, name, brand, or trademark.

§ 133-b. **Misrepresentations prohibited.** No person shall sell or offer for sale or advertise for sale any commercial feed, if the package containing it, or the label or tag attached thereto, or any advertising relative to it, shall bear any statement or device regarding such commercial feed which is false or misleading in any particular.

§ 134. **Commissioner to take samples for analysis.** It shall be the duty of the commissioner to sample, inspect, make analysis of, and test commercial feeds distributed within this state at such time and place and to such an extent as he may deem necessary. The said commissioner or his duly authorized representative in taking samples shall take them in duplicate in the presence of at least one witness, and in the presence of such witness shall seal such samples and shall at the time of taking tender, and if accepted, deliver one of such samples to the person appar-

ently in charge of such commercial feed; the other sample the commissioner shall cause to be analyzed. The result of the analysis of the sample or samples so procured, together with such additional information as circumstances advise, shall be published in reports or bulletins from time to time.

§ 135. **Rules and regulations.** The commissioner is hereby authorized, after public hearing, to adopt, promulgate, and issue such rules and regulations as he may deem necessary to supplement, carry out, and give full force and effect to the provisions of this article. Such rules and regulations shall be filed and open for public inspection at the principal office of the department, and shall be filed with the secretary of state. A written notice of such hearing shall be mailed at least ten days in advance of the date of the hearing to all persons, manufacturers of, and dealers in commercial feed who shall have filed with the commissioner a request for such notice.

TABLE I—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
A		
Acme-Evans Co., Inc., Indianapolis, Ind.	1	1
Adams Coop. G.L.F. Service, Inc., Adams, N. Y.	2	2
Adirondack Farmers Coop. Exchange, Inc., Fort Ed- ward, N. Y.	1	1
Albany Coop. Service, Inc., Albany, N. Y.	1	1
Albers Milling Co., Los Angeles, Calif.	3	3
Alder Bros., Rome, N. Y.	11	10
Allen Co., E. T. Atlanta, Ga.	1	1
Allen Milling Co., Niagara Falls, N. Y.	3	1
Allied Mills, Inc., Chicago, Ill.	48	42
Amburgo Co., Inc., The, Philadelphia, Pa.	2	2
American Crystal Sugar Co., Denver, Colo.	1	1
American Cyanamid Co., Princeton, N. J.	1	1
American Feed Co., Bronx, N. Y.	3	1
American Maize-Products Co., New York, N. Y.	1	1
Anderson's Feed and Supply, West Harpersfield, N. Y.	2	2
Arcade Coop. G.L.F. Service, Inc., Arcade, N. Y.	1	1
Archer-Daniels-Midland Co., Minneapolis, Minn.	1	1
Atlantic Processing Co., Amagansett, N. Y.	1	1
Atlantic Yeast Corp., Brooklyn, N. Y.	1	1
Atwater Co., The, Locke, N. Y.	2	1
Auburn Coop. G.L.F. Service, Inc., Auburn, N. Y.	3	1
Austin Mfg., Inc., Harry, South Dayton, N. Y.	5	5
Avon Coop. G.L.F. Service, Inc., Avon, N. Y.	1	1
Avon Milling Co., Avon, N. Y.	4	4
B		
Backus, Reginald D., Mexico, N. Y.	6	5
Baker and Bro., Inc., H. J., New York, N. Y.	1	1
Baker and Sons, H. L., Dalton, N. Y.	1	1
Barber and Bennett, Inc., Albany, N. Y.	31	29
Barker, Moore and Mein Co., Inc., Lebanon, Pa.	2	2
Batavia Coop. G.L.F. Service, Inc., Batavia, N. Y.	5	4
Baugh Chemical Co., Philadelphia, Pa.	1	1
Beacon Grain Store, Cambridge, N. Y.	1	1
Beacon Grain Store, DeRuyter, N. Y.	1	1
Beacon Milling Co., Spencer Kellogg Div. of Textron, Inc., Cayuga, N. Y.	80	76
Bean Brothers, Hayts Corners, N. Y.	1	1
Beaumont, Inc., Clifford, Gainesville, N. Y.	2	2
Beaver Meadow By Products, Inc., Dubois, Pa.	1	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Becker's Feed Store, Inc., Grand Gorge, N. Y.	5	4
Best Foods, Div. of Corn Products Co., Buffalo, N. Y.	1	1
Biel Rendering Co., Utica, N. Y.	1	1
Birkett Mills, The, Penn Yan, N. Y.	1	1
Bisnett, Inc., Walter H., Watertown, N. Y.	2	2
Black Bros., Inc., Pine City and Big Flats, N. Y.	7	7
Blatchford Calf Meal Co., Waukegan, Ill.	4	3
Bliss Mills, Newark Valley, N. Y.	4	3
Boonville Coop. G.L.F. Service, Inc., Boonville, N. Y.	2	2
Borden Co., The, Feed Supplements Div., New York, N. Y.	1	1
Bouckville Mill, Inc., Bouckville, N. Y.	3	3
Briggs, Inc., D. K., Great Bend, N. Y.	5	5
Brister and Son, C. W., Auburn, N. Y.	1	1
Brown-Forman Distillers Corp., Louisville, Ky.	1	1
Buckeye Cellulose Corp., Cincinnati, Ohio	1	1
Burnett and Iseneker, Boonville, N. Y.	3	0
C		
Caf-Melk Co., Thomasville, Pa.	1	1
Calvert Milling Co., Hoytville, Ohio	1	1
Camden Coop. G.L.F. Service, Inc., Camden, N. Y.	8	5
Camillus Mills, Camillus, N. Y.	3	3
Camp Milling Co., Inc., Walton, N. Y.	2	2
Cargill, Inc., Minneapolis, Minn.	1	1
Carm Grain Co., Juneau, Wis.	1	1
Carpenter and Adams, Ellenburg Depot, N. Y.	4	3
Carragher, J. F., Lisbon, N. Y.	1	1
Cassadaga Farmers' Co-op. Ass'n., Inc., Cassadaga, N. Y.	1	1
Cassadaga Mills, Inc., Cassadaga, N. Y.	2	1
Caswell Supply Co., Inc., Rome, N. Y.	20	20
Cato Milling Co., Cato, N. Y.	2	1
Cattaraugus Coop. G.L.F. Service, Inc., Cattaraugus, N. Y.	1	1
Central Soya, Fort Wayne, Ind.	4	4
Chambers, William J., Salem, N. Y.	2	2
Chittenden and McEwen, North Lawrence, N. Y.	3	3
Christiano Alfalfa Milling Co., Cuylerville, N. Y.	1	1
Citrus Feed Co., Lakeland, Fla.	1	1
Clinton Corn Processing Co., Clinton, Iowa	3	2
Cochecton Mills, Inc., Cochecton, N. Y.	5	5

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Collins and Son, F., Newfane, N. Y.	5	3
Collins, Clarence, Malone, N. Y.	7	6
Columbia Farm Supply, Inc., Hudson, N. Y.	2	1
Community Feed Mill, Caughdenoy, N. Y.	10	10
Conewango Valley Mills, Conewango Valley, N. Y.	5	1
Consolidated Mills, Inc., Blissfield, Mich.	2	2
Consolidated Rendering Co., Boston, Mass.	2	2
Continental Distilling Corp., Philadelphia, Pa.	1	1
Cooper, Hemenway and Rowley, Warsaw, N. Y. ...	1	1
Co-operative Feed Dealers, Inc., Binghamton, N. Y.	5	5
Coop. G.L.F. Exchange, Inc., Ithaca, N. Y.	142	117
Corn Products Co., New York, N. Y.	1	0
Corrado Milling Co., George, Frankfort, N. Y.	5	5
Cortland Coop. G.L.F. Service, Inc., Cortland, N. Y.	3	3
Coward and Co., C. H., Byron, N. Y.	3	3
Coward, F. W., Stafford, N. Y.	3	3
Coxsackie Milling and Supply Corp., West Coxsackie, N. Y.	10	9
Crouse Chinchilla Farm, Staffords Springs, Conn. ...	1	0
Cunningham Feeds, Plattsburgh, N. Y.	1	1
Curtis and Son, H. B., Mt. Upton, N. Y.	3	3
D		
Dawe's Laboratories, Inc., Chicago, Ill.	3	3
Dawnwood Farms, Amenia, N. Y.	2	1
Dean and Lee, Horseheads, N. Y.	12	12
Dean's Catskill Valley Mills, Inc., Oak Hill and Cat- skill, N. Y.	18	16
Decker and Son, Inc., E. M., Andes, N. Y.	7	5
Delaware Milling Co., Inc., Deposit, N. Y.	9	9
Delhi Coop. G.L.F. Service, Inc., Delhi, N. Y.	1	1
Delphos Soya Products Co., Delphos, Ohio	1	1
Devereaux, R. E., Nassau, N. Y.	2	2
Distillers Corp. Ltd., Montreal, Canada	1	1
Dover Milling Co., The, Dover, Ohio	2	2
Dow Brewery Ltd., West Montreal, Quebec	1	1
Dragon, Stuart, West Chazy, N. Y.	1	1
Dugan and Taber, Inc., Margaretville, N. Y.	1	1
DuPont de Nemours and Co., E. I., Wilmington, Del.	1	1
E		
Edwards Coop. G.L.F. Service, Edwards, N. Y.	1	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Eldred and Co., Inc., Charles H., Bainbridge, N. Y.	6	4
Elmore Milling Co., Inc., Oneonta, N. Y.	33	29
Endicott Coop. G.L.F. Service, Inc., Endicott, N. Y.	1	1
Erie Alfalfa Mills, Inc., Erie, Michigan	1	1
Eshelman and Sons, John W., Lancaster, Pa.	37	34
Evans Milling Co., Inc., Indianapolis, Indiana	1	1
F		
F and R Coop G.L.F. Service, Inc., Fairport, N. Y.	2	2
FMS Inc., Thomasville, Pa.	1	1
Fairbanks, Herbert J., Gloversville, N. Y.	5	4
Fairway Milling and Grain Co. Ltd., Manitoba, Canada	1	0
Farmers Feed Co., Brooklyn, N. Y.	1	1
Farmers Feed and Grain Co., Williamson, N. Y.	7	6
Farmers Mill, Inc., Sherman, N. Y.	2	1
Farney and Steiner, Croghan, N. Y.	9	8
Ferneau Grain Co., Blanchester, Ohio	1	1
Fillmore Mill, Fillmore, N. Y.	1	1
Flory Milling Co., Bangor, Pa.	2	1
Foremost Dairies Inc., Burlingame, Calif.	1	1
Fox Co., The, Newfield, N. J.	1	1
Franklin Mills Co., Batavia, N. Y.	1	1
Frost Feed Mills, Watkins Glen, N. Y.	2	2
G		
Geisler Pet Products, Bronx, N. Y.	3	2
General Foods Corp., Corn Mill Div., Kankakee, Ill.	1	1
General Foods Corp., Post Div., Battle Creek, Mich.	2	2
General Mills, Inc., Minneapolis, Minn.	7	7
General Rendering Co., Brooklyn, N. Y.	1	0
Geneva Coop. G.L.F. Service, Inc., Geneva, N. Y. ...	1	1
Gloucester By-Products Inc., Gloucester, Mass.	1	1
Godfrey Co., Inc., E. E., East Aurora, N. Y.	3	3
Godfrey Milling Co., The, Attica, N. Y.	2	1
Golden Gem Growers, Inc., Umatilla, Florida	1	1
Goodsell, C. F., Fernwood, N. Y.	8	6
Gorton's, Gloucester, Mass.	4	4
Gottschalk, P. S., Hankins, N. Y.	3	3
Gould Feeds, Lake Grove and Eastport, N. Y.	21	15
Gouverneur Coop. Association, Inc., Gouverneur, N. Y.	6	5

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Graf's Mill, Port Byron, N. Y.	3	3
Grain Products Corp., Albany, N. Y.	1	0
Gramco, Inc., Cattaraugus, N. Y.	11	9
Grandin Milling Co., D. H., Jamestown, N. Y.	4	3
Granville Coop. G.L.F. Service, Inc., Granville, N. Y.	3	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.	4	1
Greenwich Coop. G.L.F. Service, Inc., Greenwich, N. Y.	1	1
Greenwich Feed and Farm Supply, Greenwich, N. Y.	1	1
Griggs and Ball Co., The, East Aurora, N. Y.	9	6
Groton Feed Co., Groton, N. Y.	3	3
Guilford Feed and Coal Co., Guilford, N. Y.	2	1
H		
H. and H. Flour and Feed Store, The, Parish, N. Y.	4	4
Hales and Hunter Co., Chicago, Ill.	24	21
Harkness and Brace, Randolph, N. Y.	1	0
Hartz Mountain Products Corp., New York, N. Y. ...	2	1
Harvey, George B., Rome, N. Y.	3	2
Herkimer Coop. G.L.F. Service, Inc. Herkimer, N. Y.	1	1
Herrmann's G.L.F. Service, Ontario, N. Y.	1	0
Hess and Clark, Ashland, Ohio	1	1
Hewitt Bros., Locke, Groton and Moravia, N. Y.	4	4
Hilderbrand, Harold G., So. Schenectady, N. Y.	6	2
Hildum Fermentation and Processing Co., Shiremans- town, Pa.	1	1
Hilson Bros., Bovina Center, N. Y.	3	3
Hinman Mills, Inc., Deposit, N. Y.	3	1
Hinton and Co., Inc., New York, N. Y.	1	0
Holcomb G.L.F. Service, Inc., Holcomb, N. Y.	2	2
Homer Coop. G.L.F. Service, Inc., Homer, N. Y.	3	2
Hood and Sons, H. P., Dunedin, Fla.	1	1
Hortonville Grange Co-op. Assn., Inc., Hortonville, N. Y.	5	1
Howard and Son, E. A., Central Bridge, N. Y.	8	2
Hubinger Co., The, Keokuk, Iowa	1	1
I		
Illinois Cereal Mills, Inc., Paris, Ill.	1	1
Inter-County Farmers Coop. Assn., Inc., Woodridge, N. Y.	23	20

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
International Aquarium, Inc., Center Moriches, N. Y.	4	3
International Milling Co., Minneapolis, Minn.	5	5
International Stock Food Corp., Waverly, N. Y.	6	6
Interstate Commodities Inc., Troy, N. Y.	1	0
Ithaca Coop. G. L. F. Service, Inc., Ithaca, N. Y.	1	0
J		
Jamesville Milling Co., Jamesville, N. Y.	3	3
Janowski Bros., Vernon Center, N. Y.	3	3
K		
Kellogg Co., of Canada Ltd., London, Ontario, Canada	1	1
Kellogg, Spencer, Div. of Textron Inc., Minneapolis, Minn.	2	2
Kiff, Inc., C. E., Delhi, N. Y.	4	4
Killawog Red Mills, Killawog, N. Y.	4	4
Kind and Knox Gelatin Co., Camden, N. J.	1	1
Knoke and Co., H. C., Chicago, Ill.	1	1
Kraus-Ball and Co., Inc., Eugene C., Buffalo, N. Y. . .	1	1
Krause Milling Co., Milwaukee, Wisc.	1	1
Krum and Sons, Clark, Liberty, N. Y.	11	11
Kuder Pulp Sales Co., Lake Alfred, Fla.	1	1
L		
LaCrosse Milling Co., Cochrane, Wis.	1	1
La Placa Bros., Porterville, N. Y.	1	1
Larrowe Mills, Inc., Cohocton, N. Y.	1	1
Latus-Richer Co., Inc., Clayville, N. Y.	5	3
Lauhoff Grain Co., Danville, Ill.	1	1
Lawrence Coal and Feed, Burke, N. Y.	2	2
Liddle Bros., Andes, N. Y.	1	1
Limestone Products Corp. of America, Newton, N. J.	1	1
Long Island Soap Co., Inc., Brooklyn, N. Y.	1	0
Lovitt and Co., L. B., Memphis, Tenn.	1	1
Lowville Farmers Coop., Inc., Lowville, N. Y.	3	3
Lowville Feed and Grain Co., Inc., Lowville, N. Y.	10	10
Lutz Feed and Lumber Co. of Roxbury, Inc., Rox- bury, N. Y.	2	2

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
M		
McCabe Grain Co., Ltd., Winnipeg, Canada	2	2
McCoy Milling Co., Chateaugay, N. Y.	4	4
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.	2	1
McKinney, James, Hudson Falls, N. Y.	3	3
Malone Feed and Farm Supply, Inc., Malone, N. Y.	5	1
Manhattan Flour and Feed Co., of Buffalo, Inc., Buffalo, N. Y.	2	1
Manitoba Sugar Co., Ltd., Winnipeg, Manitoba, Canada	1	1
Maple Leaf Mills Ltd., Toronto, Ontario, Canada . .	1	1
Marine and Animal By-Products Corp., New York, N. Y.	1	1
Marshall's Feed Mill, Horseheads, N. Y.	11	9
Maxon Feed Co., Greene, N. Y.	8	7
Maxon Mills, Inc., Wassaic, N. Y.	4	3
Medbury and Neilsen, New Berlin, N. Y.	5	1
Mennel Milling Co., Fostoria, Ohio	1	1
Mercer Milling Co., Baldwinsville, N. Y.	8	6
Merck and Co., Inc., Rahway, N. J.	2	2
Meyerink Milling Co., Clymer, N. Y.	7	7
Middleburgh Coop. G.L.F. Service, Inc., Middle- burgh, N. Y.	3	2
Miley Bros., Brooklyn, N. Y.	1	1
Miller and Son, E. E., Geneva, N. Y.	4	3
Miner-Hillard Milling Co., Wilkes-Barre, Pa.	1	1
Missert Feed Service, Glens Falls, N. Y.	1	1
Molson's Brewery (Ontorio) Ltd., Toronto, Ontario, Canada	1	1
Montgomery's Feed Mill, Inc., Warsaw, N. Y.	2	2
Moon and Co., Inc., George Q., Binghamton, N. Y.	15	12
Moore, Robert, Marilla, N. Y.	6	6
Moravia Coop. G.L.F. Service, Inc., Moravia, N. Y.	1	1
Mosher and Son, Inc., E. L., Philadelphia, N. Y. . . .	3	3
Mt. Vernon Milling Co., Mt. Vernon, Ind.	2	2
Mowat, Wilson and Co., Detroit, Mich.	2	2
Mudge and Sons, Inc., A. A., Afton, N. Y.	14	14

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
N		
Narrowsburg Feed and Grain Co., Narrowsburg, N. Y.	25	16
National Alfalfa Dehydrating and Milling Co., Kan- sas City, Mo.	1	1
National Biscuit Co., Toledo, Ohio	3	3
National Starch Products, Inc., Indianapolis, Ind. . .	2	2
Nebraska Processor's Inc., Fremont, Neb.	1	1
New Century Co., The, Chicago, Ill.	1	1
New England By-Products Corp., Winchester, Mass.	1	1
New Jersey Flour Mills Co., Clifton, N. J.	1	1
New Woodstock Milling Corp., New Woodstock, N. Y.	3	3
Niagara Milling Co., Ransomville, N. Y.	3	2
Nichols Coop. G.L.F. Service, Inc., Nichols, N. Y. . .	5	5
Nightingale Mills, Inc., Marcellus, N. Y.	2	1
Northern Ohio Sugar Co., Findlay, Ohio	1	1
O		
Ogden Grain Co., Utica, N. Y.	18	12
Ogilvie Flour Mills Co., Ltd., The, Montreal, Canada	1	1
Ohio Blenders, Inc., Toledo, Ohio	1	1
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.	2	2
Osceola Products Co., Osceola, Ark.	1	0
Oswego Coop. G.L.F. Service, Inc., Oswego, N. Y. . .	1	1
Owego Coop. G.L.F. Service, Inc., Owego, N. Y.	3	3
Oxford Feed and Fuel Co., Oxford, N. Y.	7	7
P		
Paterson Tallow Co., Inc., Paterson, N. J.	1	1
Palmyra Coop. G.L.F. Service, Inc., Palmyra, N. Y.	2	2
Peavey Co. Flour Mills, Minneapolis, Minn.	1	1
Penn Yan Coop, G.L.F. Service, Inc., Penn Yan, N. Y.	1	1
Pennsylvania Hide and Rendering Co., Avoca, Pa. . .	1	1
Pepin and Co., John J., Memphis, Tenn.	1	1
Perry Coop. G.L.F. Service, Inc., Perry, N. Y.	1	0
Pfizer and Co., Inc., Charles, New York, N. Y.	1	1
Phelps and Sibley Co., Cuba, N. Y.	3	3
Phelps Coop. G.L.F. Service, Phelps, N. Y.	1	1
Pierce Bros., Delevan, N. Y.	1	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Pierce Grain Corp., Buffalo, N. Y.	17	12
Pillsbury Co., The, Memphis, Tenn. and Minne- apolis, Minn.	3	3
Pittsburgh Brewing Co., Pittsburgh, Pa.	1	1
Pittsburgh Plate Glass Co., Red Wing, Minn.	1	1
Pixley and Co., Inc., East Bethany, N. Y.	1	1
Pizza Brothers, East Meredith, N. Y.	1	1
Plassche-Ameele Co., Inc., East Williamson and Sodus Center, N. Y.	8	7
Pollock Farm Supplies, Eagle Mills, N. Y.	2	2
Potsdam Coop. G.L.F. Service, Inc., Potsdam, N. Y. ..	1	1
Potsdam Feed and Coal Co., Inc., Potsdam, N. Y. ..	15	14
Publicker Industries, Inc., Philadelphia, Pa.	2	1
Q		
Quackenbush and Son, Howard, Warwick, N. Y.	1	1
Quaker Oats Co., The, Chicago, Ill. and Shiremans- town, Pa.	4	4
Quaker Oats Co. of Canada Ltd., The, Peterborough and Saskatoon, Canada	1	1
R		
Race Milling Co., Granville, N. Y.	3	3
Ralston Purina Co., St. Louis, Mo.	126	114
Randolph Feed and Supply Co., Inc., East Randolph, N. Y.	6	5
Rapp Bros., Darien Center, N. Y.	5	5
Reading Milling Co., Inc., Reading, Pa.	3	2
Red Mills, Inc., The, Claverack, N. Y.	8	3
Reisdorf Bros., North Java and Java Village, N. Y. ..	4	3
Resseguie and Son, B., Middleport and Barker, N. Y.	7	3
Richardson and Sons Ltd., James, Toronto, Canada	2	2
Richardson Milling Co., Inc., Hamburg, N. Y.	11	10
Richer Co., Inc., The, I. L., New Berlin, Richfield Springs, Norwich and Sherburne, N. Y.	22	21
Rignel Co., Inc., James O., Lockport and Medina, N. Y.	9	8
Ripley Feed and Coal Co., Ripley, N. Y.	1	1
Riverside Elevator Co., Detroit, Michigan	1	1
Robin Hood Flour Mills, Ltd., Montreal, Canada ..	3	3
Roe Farm Service, Inc., Limerick, N. Y.	7	5

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Rome Coop. G. L. F. Service, Inc., Rome, N. Y.	3	2
Roscoe Coal and Feed Co., Roscoe, N. Y.	1	1
Roycraft's Feeds, Inc., Newfane, N. Y.	7	7
Ryder Rendering Co., J. O., Matamoras, Pa.	1	0
S		
Sanborn Milling Co., Inc., Sanborn, N. Y.	5	4
Saskatchewan Wheat Pool, Fort William, Ontario, Canada	1	0
Saunders, Paul A., Mayville, N. Y.	1	1
Sauquoit Valley Coop. G.L.F. Service, Inc., Washing- ton Mills, N. Y.	1	1
Schnurr and Wood, Delmar, N. Y.	2	2
Schodack Valley Mills, Castleton-on-Hudson, N. Y. ..	1	0
Schoonmaker Feed Co., West Winfield, N. Y.	8	8
Schwab Brothers Mills, Inc., New Bavaria, Ohio.	1	1
Scranton Processing Co., Inc., Scranton, Pa.	1	1
Sea Board Supply Co., Philadelphia, Pa.	4	3
Seagram and Sons, Inc., Joseph E., New York, N. Y.	1	1
Seelos and Son, Frank P., Honeoye Falls, N. Y.	10	7
Seely Co., The S. Alfred, Spencer, N. Y.	9	9
Segal and Son, I., Riverhead, N. Y.	1	0
Segar, August G., Jeffersonville, N. Y.	2	2
Shamel Milling Co., Inc., East Concord, N. Y.	6	5
Sheerar, John, Cincinnati, N. Y.	4	4
Sherburne Coop. G.L.F. Service, Inc., Sherburne, N. Y.	1	1
Sherman Steam Mills, Sherman, N. Y.	5	4
Sherwin-Williams Co., The, Cleveland, Ohio.	2	1
Simmons and Mummery, Smyrna, N. Y.	5	5
Sinclairville G.L.F. Service, Sinclairville, N. Y.	1	1
Sixt and Son, Inc., John, Chaffee, N. Y.	2	1
Slate Hill Feed and Coal Co., Inc., Slate Hill, N. Y.	2	2
Smith, Inc., Allen V., Skaneateles, N. Y.	1	1
Smith, Inc., J. Howard, Port Monmouth, N. J.	1	1
Solsville Coop. G.L.F. Service, Inc., Solsville, N. Y.	2	2
Southern Cotton Oil Div., Hunt Foods and Industries, Inc., Memphis, Tenn.	1	1
Southern Fruit Distributors, Inc., Orlando, Fla.	1	1
Spencer Coop. Society, Inc., Spencer, N. Y.	5	5
Stabilized Vitamins Div., Commercial Solvents Corp., Garfield, N. J.	1	1

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Staley Mfg. Co., A. E., Decatur, Ill.	3	3
Strong, Paul, Penn Yan, N. Y.	1	1
Stryker Bros., Jefferson, N. Y.	2	2
Suffolk Coop. G.L.F. Service, Inc., Riverhead, N. Y.	16	15
Suni-Citrus Products Co., Haines City, Fla.	2	1
Sunny Slope Farms, Inc., Bath, Pa.	2	2
Syposs and Son, A. L., Sanborn, N. Y.	3	3
T		
Tallcot Milling Co., Skaneateles, N. Y.	6	6
Theobald Industries, The, Kearny, N. J.	1	1
Thiele Coal and Feed, Inc., North Tonawanda, N. Y.	8	8
Thomas Sales and Service, Adams, N. Y.	2	2
Thorp and Mann, South Dayton, N. Y.	5	4
Tioga Mills, Inc., Waverly, N. Y. and Sunbury, Pa.	40	37
Tri Associates, Inc., Minneapolis, Minn.	1	1
Tropicana Products, Inc., Bradenton, Fla.	1	1
Troy Feed and Supply Co., Inc., Troy, N. Y.	1	1
Trudeau and Bros., Ltd., Valleyfield, Quebec.	1	1
Trumansburg Coop. G.L.F. Service, Inc., Trumans-		
burg, N. Y.	1	1
Truxton Coop. G.L.F. Service, Inc., Truxton, N. Y.	2	1
Tully Coop. G.L.F. Service, Inc., Tully, N. Y.	3	3
U		
Ultra-Life Laboratories, Inc., East St. Louis, Ill.	3	2
Universal Grain Co. of New Jersey, Newark, N. J.	1	1
Urban Milling Co., George, Buffalo, N. Y.	1	1
V		
Vadney, Raymond J., Feura Bush, N. Y.	4	4
Van Buren and Sons, Inc., E. T., Hobart, N. Y.	9	8
Van DeKeen, Inc., Cortland, N. Y.	1	1
Verity Mills, Inc., Buffalo, N. Y.	20	14
Viele's G.L.F. Service, Inc., Red Creek, N. Y.	2	2
W		
Walker and Sons, Inc., Hiram, Peoria, Ill.	1	1
Ward and Son, M. J., Savona and Bath, N. Y.	15	13
Ward and Van Scoy, Inc., Candor and Owego, N. Y.	10	9
Warren, I. R., Port Byron, N. Y.	2	2

TABLE I—Cont'd—SUMMARY OF FEED INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Watertown Coop. G.L.F. Service, Inc., Watertown, N. Y.	2	2
Webster Co., H. K., Lawrence, Mass. and Richford, Vermont	13	11
West Cossackie Coop. G.L.F. Service, Cossackie, N. Y.	1	1
West-Nesbitt, Inc., Oneonta, N. Y.	20	20
Westtown Coop., G.L.F. Service, Inc., Westtown, N. Y.	1	1
West Valley Milling Co., Inc., West Valley, N. Y. ...	4	2
Wheat Bros., Inc., Moravia, N. Y.	9	8
Whiting and Son, R. H., Binghamton, N. Y.	11	11
Whitmoyer Laboratories, Inc., Myerstown, Pa.	1	1
Widmeyer and Plato, Inc., Glenfield, N. Y.	1	1
Wight and Patterson, Canton, N. Y.	3	3
Wilcox G.L.F. Service, Jordan, N. Y.	2	2
Wiley Bros., Valley Falls, N. Y.	1	1
Williams Bros. Co., The, Kent, Ohio	1	1
Williamson Fruit and Vegetable Coop. Assn., Inc., Williamson, N. Y.	3	3
Willson and Eaton Co., Amenia, N. Y.	3	3
Winter Garden Citrus Products Coop., Winter Gar- den, Fla.	1	1
Wirthmore Feeds, Inc., Waltham, Mass.	63	51
Wirthmore Stores, Chaffee, N. Y.	2	2
Wohlhueter Co., The W. E., Colden, N. Y.	4	2
Wolcott Coop. G.L.F. Service, Inc., Wolcott, N. Y. ...	2	2
Wollenberg Bros., Buffalo, N. Y.	6	6
Wratten, Clyde S., Phoenix, N. Y.	1	1
X		
Xtra Factors, Inc., Ephrata, Pa.	1	1
Y		
Yeast Products, Inc., Paterson, N. J.	1	1
Yieldmor Feeds, Inc., Piqua, Ohio	3	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
1058	Alder Bros., Rome, N. Y. Alder's Premium Hog Ration				Cottonseed meal present—not guaranteed. Linseed meal guaranteed—not present
4600	Allen Milling Co., Niagara Falls, N. Y. Allen's Full-Nest Mash for Layers				Fish meal present—not guaranteed
4351	Allen's Full-Nest Nutro Starting and Growing Mash				Fish meal present—not guaranteed
1608	Allied Mills, Inc., Chicago, Ill. Wayne 42% Dairy Mixing Supplement A Wayne-Mix Concentrate (For Ruminants Only)	Salt Calcium	3.75%–4.75% 2.00%–3.00%	0.56% 3.69%	Water-soluble chlorides calculated as sodium chloride
1611 971	Wayne Hog Balancer Medicated M-29 Wayne Horse Krunch	Calcium	4.00%–5.00%	2.40%	Rice bran present—not guaranteed
4286	Wayne Medicated Bio-Ruminutra M-27	Salt	2.00%–3.00%	0.63%	Water-soluble chlorides calculated as sodium chloride
4375 4285	Wayne 36% Poultry Mixer Medicated M-29 Wayne 28% Dairy Mixing Pellets (For Ruminants Only)	Calcium Salt	3.50%–4.50% 2.75%–3.75%	2.18% 0.80%	Water-soluble chlorides calculated as sodium chloride
974	American Feed Co., Bronx, N. Y. Afco Brand Dried Bakery Product	Protein Fat Fiber Fat		11.5% 10.0% 1.1% 6.4%	Guaranteed analysis not stated
2896	Afco Brand Dried Bakery Product		8.0%		

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
4253	Atwater Co., The, Locke, N. Y. Atwatco 16% Dairy Ration				Linseed guaranteed—not present
4218 4220	Auburn Coop. G.L.F. Service, Inc., Auburn, N. Y. Auburn Laying Mash Medicated Auburn 16% Dairy	Fat Protein	4.0% 16.0%	3.5% 14.2%	
1302	Backus, Reginald D., Mexico, N. Y. Dexstar Laying Mash	Arsanilic acid		0.010%	Arsanilic acid not guaranteed
1169	Barber and Bennett, Inc., Albany, N. Y. Fort Orange 16% Dairy Ration				Crimped barley present—not guaranteed
2988	Fort Orange Turkey Finisher Medicated	4-Nitro	0.050%	0.002%	
4450	Batavia Coop. G.L.F. Service, Inc., Batavia, N. Y. Genesee Laying Mash Medicated	Arsanilic acid	0.016%	0.005%	
2922	Beacon Milling Co., Spencer Kellogg Div. of Textron, Inc., Cayuga, N. Y. Beacon Milk Check Fitting Ration				Rice hulls present—not guaranteed
834 4180	Beacon Pig Kisses Crumpels Medicated Beacon Worm Mash	Fat	4.0%	3.5%	Broken rice grains and rice hulls present—not guaranteed
1150	Be-Co-Nurse Milk Replacer	Protein	24.0%	22.0%	
4632	Becker's Feed Store, Inc., Grand Gorge, N. Y. R and R Roughage Replacer	Fat	3.0%	2.5%	
2803	Blatchford Calf Meal Co., Waukegan, Ill. Blatchford's Vitadine Buff Label for Poultry Egg and Breeder Feeds	Fat	2.0%	1.7%	

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
1450	Bliss Mills, Newark Valley, N. Y. Bliss Mills 16% High Energy	Fat Equiv. crude protein from non-protein nitrogen	4.5%	3.9% 2.8%	Equiv. crude protein from non-protein nitrogen not guaranteed
1096	Burnett and Isenker, Boonville, N. Y. B. and I. 18% Ration				Cottonseed meal guaranteed—not present
1095	B. and I. 16% Ration				Cottonseed meal guaranteed—not present
1097	B. and I. 20% Ration				Cottonseed meal guaranteed—not present
1043	Camden Coop. G.L.F. Service, Inc., Camden, N. Y. Camden Hog Feed				Corn distillers dried grains present—not guaranteed
1044	Fitting Ration				Soybean meal, corn distillers dried grains and corn gluten feed present—not guaranteed.
2706	Fitting Ration				Linseed oil meal guaranteed—not present
2701	Carpenter and Adams, Ellensburg Depot, N. Y. "North Country" Hog Feed	Fat	4.0%	3.5%	Corn distillers dried grains present—not guaranteed
3405	Cassadaga Mills, Inc., Cassadaga, N. Y. Peck's 20% Dairy Feed				
4247	Cato Milling Co., Cato, N. Y. Cato's 16% Dairy Ration	Equiv. crude protein from non-protein nitrogen	2.0%	3.6%	Cottonseed meal guaranteed—not present 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
3014	Clinton Corn Processing Co., Clinton, Iowa Clinton C F S Concentrate No. 1	Fat	2.0%	1.3%	
4507 4509	Collins and Son, F., Newfane, N. Y. White Rose Laying Mash White Rose 16% Dairy Feed	Furazolidone	0.00275%	0.007%	Fish meal guaranteed— not present Linseed oil meal guaranteed—not present
2642	Collins, Clarence, Malone, N. Y. Collins Fortified Fitting				
1122	Columbia Farm Supply, Inc., Hudson, N. Y. Columbia Laying Ration	Calcium	2.70%–3.20%	3.73%	
3419 3420	Conewango Valley Mills, Conewango Valley, N. Y. C.V.M. Dry and Freshening Ration C.V.M. 18% Dairy Ration	Fat Equiv. crude protein from non-protein nitrogen Fat Fiber Equiv. crude protein from non-protein nitrogen	4.0% 3.0%	3.4% 3.9% 4.1% 6.7%	Fat, fiber and equiv. crude protein from non-protein nitrogen not guaranteed. Prim- cipally ground corn, oats, wheat bran, dried beet pulp, corn dis- tillers dried grains, corn gluten feed, mo- lasses
3421	16% Dairy Ration			2.1%	
3423	Supreme Laying Mash	Arsanilic acid	0.008%	Less than 0.002%	Ground oats present— not guaranteed
1339	Coop. C.L.F. Exchange, Inc., Ithaca, N. Y. All-Mash Lay				Ground oats present— not guaranteed
965	Compact 16 Dairy Formulets				

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
4454	Dairy Minerals	Salt	48.00%—51.00%	44.22%	Water-soluble chlorides calculated as sodium chloride
1422	Exchange Champ	Equiv. crude protein from non-protein nitrogen	2.75%	3.9%	Ground oats present—not guaranteed
1340	# 1550-14 Dairy Formulets				
4434	Fortimin C P T	Phosphorus (Min.) Manganese (Min.)	13.00% 0.340%	11.18% 0.258%	
2981	40% G.L.F. Mixer Krums	Protein	40.0%	35.4%	
2595	40% Hi-Pro Concentrate	Protein	40.0%	34.3%	
1161	40% Hi-Pro Concentrate Albany	Protein	40.0%	33.6%	
1478	Game Bird Grower and Turk-E-Gro Formulets	Protein	22.0%	20.3%	
2534	Gro-Chik Medicated	Zoalene	0.0125%	0.009%	
2596	Growing Mash Medicated	Zoalene	0.0125%	0.006%	
1432	Hog Supplement	Protein	40.0%	37.1%	
1076	Jefferson 16% Dairy				Corn distillers dried grains present—not guaranteed
2697	Keystone 50% Hi-Pro	Protein	50.0%	46.2%	
2973	Quik-Meat A Medicated	Protein	23.0%	19.5%	
2911	Quik Meat Mixer Medicated	Amprolium	0.03125%	0.008%	
1144	Super-Matic Medicated	Arsanilic acid	0.010%	0.015%	
3009	Top Hatch Mixer Medicated	Arsanilic acid	0.040%	0.018%	
4877	Turk-A-Matic Jr. Formulets Medicated	4-Nitro	0.025%	0.013%	
4876	Turk-A-Matic Prime Formulets Medicated	4-Nitro	0.025%	0.018%	
2975	Turk-E-Prime Formulets Medicated	4-Nitro	0.050%	0.026%	
871	Turk-E-Start Medicated (Crumbles)	Protein	28.0%	24.0%	
976	16% Milk Maker Albany	Equiv. crude protein from non-protein nitrogen			
3010	6-W Starter (B) Medicated	Nitrofurazone	2.62% 0.0056%	3.7% 0.003%	Rice bran 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
1681	Corn Products Co., New York, N. Y. Buffalo Brand 21% Protein Corn Gluten Feed				Alfalfa present—not guaranteed
2592	Coxsackie Milling and Supply Corp., West Coxsackie, N. Y. Kaksakie 30% Mixing Ration	Protein	30.0%	27.1%	
4874	Grouse Chinchilla Farm, Stafford Springs, Conn. Better Fare For Chinchillas				Grain screenings present—not guaranteed
962	Dawnwood Farms, Amenia, N. Y. Hi-Fat Milk Replacer	Fat Fiber	10.0% 0.25%	8.6% 0.6%	
2943	Dean's Catskill Valley Mills, Inc., Oak Hill and Catskill, N. Y. Believed to be Dean's Hog Ration	Protein Fat Fiber		18.6% 3.4% 6.3%	Guaranteed analysis not stated Principally ground corn, soybean meal, ground oats, alfalfa meal, meat and bone scrap, wheat middlings Ground corn cobs present in violation of Article 8, par. 130, of Agr. and Markets Law
2914	Dean's High Energy Laying Mash				
4610	Decker and Son, Inc., E. M., Andes, N. Y. Decker's Laying Mash				Fish meal guaranteed—not present
4604	Decker's 16% Dairy Ration				Grain screenings 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
1497 1498	Eldred and Co., Inc., Charles H., Bainbridge, N. Y. Eldred's Best Ration Eldred's 20% Starter Mash Medicated	Protein Nitrofurazone	20.0% 0.0055%	18.0% 0.002%	
4079	Elmore Milling Co., Inc., Oneonta, N. Y. Elmore Chixsaver Medicated (1 S)				Ground barley present—not guaranteed
2744	Elmore Pacemaker 30% Supplemental Dairy	Equiv. crude protein from non-protein nitrogen			
2959 1127	Elmore 30% Supplemental Dairy Ration Elmore Turkey Growing Mash Medicated (1 H)	Protein 4-Nitro	12.0% 30.0% 0.025%	15.1% 27.2% 0.014%	
1627	Eshelman and Sons, John W., Lancaster, Pa. Lancaster 42% Mixing Supplement	Salt	5.50%—7.00%	4.85%	Water-soluble chlorides calculated as sodium chloride Ground sorghum present—not guaranteed Cottonseed meal present—not guaranteed
895 1068	Red Rose Complete Laying Ration Red Rose Fitting Ration				Soybean oil meal guaranteed—not present
1184	Fairbanks, Herbert J., Gloversville, N. Y. 16% Dairy Feed				
4013	Fairway Milling and Grain Co., Ltd., Manitoba, Canada Ground Grain Screenings	Protein Fat Fiber Ash	15.7% 6.0% 14.7%	15.7% 6.0% 14.7%	Guaranteed analysis not stated Misbranded in that it is ground mixed screenings and contains less than 70% grain Excessive in 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
4243	Farmers Feed and Grain Co., Williamson, N. Y. Farmer Boy Laying Mash Concentrate				Corn distillers dried grains present—not guaranteed
3413	Farmers Mill, Inc., Sherman, N. Y. Special Dairy	Protein	20.0%	16.9%	
1004	Farney and Steiner, Croghan, N. Y. Royal Dairy Feed	Protein	19.0%	17.6%	
4171	Flory Milling Co., Bangor, Pa. Flory Hog Feed				Ground grain screenings present—not guaranteed
1385	Geisler Pet Products, Bronx, N. Y. Geisler Hamster Food				Yellow foxtail weed seeds present—not guaranteed
4806	General Rendering Co., Brooklyn, N. Y. 50% Meat and Bone Scrap (N Y S 1862)	Fat Fiber		10.5% 1.7%	Fat and fiber not guaranteed
4416	Godfrey Milling Co., The, Attica, N. Y. G. M. C. Dairy Ration				Cottonseed meal guaranteed—not present
1329	Goodsell, C. F., Fernwood, N. Y. High Quality Fitting Ration	Protein	22.0%	20.3%	
2666	High Quality Layer Mash				Linseed oil meal guaranteed—not present
822	 Gould Feeds, Lake Grove and Eastport, N. Y. Gould Chick Starter	Nicarbazin	0.0125%	0.007%	

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
4855	Gould Duck Grower	Fiber	5.0%	5.7%	Ground oats present— not guaranteed
4856	Gould Duck Grower				Ground oats present— not guaranteed
4852	Gould Fitting Ration				Brewers dried grains present—not guaran- teed
824 819	Gould Growing Mash Gould Rabbit Pellets	Protein Fat	18.0% 4.0%	15.8% 3.5%	Dried beet pulp present —not guaranteed
2759	Gouverneur Coop. Association, Inc., Gouverneur, N. Y. Coop. 20% Grass Ration				
1197	Grain Products Corp., Albany, N. Y. Superior Brand Dried Brewers Grains	Fiber	13.0%	15.8%	Dried tomato pomace present—not guaran- teed
2843	Gramco, Inc., Cattaraugus, N. Y. Gramo 18% Dairy Ration				
2842	Gramco 16% Dairy Ration				
4096	Grandin Milling Co., D. H., Jamestown, N. Y. Grandin's Super-Tone	Fat	3.0%	2.4%	Dried tomato pomace present—not guaran- teed
4803	Greenport Feed Corp., Maspeth, N. Y. Greenport Bulk-O-Lass				Peanut skins 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
900	Greenport Dairy Production Pellets	Protein	18.0%	15.4%	Soybean meal guaranteed—not present
898	Greenport 18% Dairy Ration				
4553	Griggs and Ball Co., The, East Aurora, N. Y. G and B Deluxe Feeds Dry Feed	Fat	4.0%	3.5%	Soybean meal guaranteed—not present
4555	G and B Deluxe Feeds Hi-Energy Chick Grower Medicated				
4560	G and B Deluxe Feeds 16% Deluxe Dairy Ration	Protein	18.0%	16.4%	Barley and grain screenings present—not guaranteed
2882	Guilford Feed and Coal Co., Guilford, N. Y. Guilford's 18% Dairy Feed				
1191	Hales and Hunter Co., Chicago, Ill.	Zeolene Calcium Protein	0.0083% 6.50%—7.00% 23.0%	0.004% 4.85% 21.4%	Ground corn cobs present in violation of Article 8, par. 130, of Agr. and Markets Law
1655	Red Comb Chick Starter Medicated				
4846	Red Comb Egg Mash				Linseed oil meal guaranteed—not present
	Red Comb Turkey Grower 23				
3424	Harkness and Brace, Randolph, N. Y. H and B Milk Maker	Protein Fat Fiber		18.7% 5.2% 7.9%	Guaranteed analysis not stated Principally ground oats, wheat bran, corn gluten feed, corn distillers dried grains, soybean meal, wheat middlings

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

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Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
4832	Hartz Mountain Products Corp., New York, N. Y. Hamster Food				Sunflower seeds, whole grain wheat, sorghum, millet and weed seeds (principally yellow fox-tail) present—not guaranteed Soybean meal and linseed oil meal guaranteed—not present
1322	Harvey, George B., Rome, N. Y. Harvey's Superior Dairy "20" Ration				Linseed oil meal guaranteed—not present
4229	Herrmann's G.L.F. Service, Ontario, N. Y. Ontario Egg Maker Medicated				Ground corn cobs present in violation of Article 8, par. 130, of Agr. and Markets Law
1106	Hilderbrand, Harold G., So. Schenectady, N. Y. J.G.H. Egg Mash	Protein Fat Fiber		12.0% 2.8% 6.8%	Bakery crumbs present—not guaranteed Guaranteed analysis not stated Principally ground barley, ground corn, dried beet pulp, ground oats, soybean meal, wheat bran, alfalfa meal, citrus pulp, corn distillers dried grains, molasses Bakery crumbs present—not guaranteed
2530	J.G.H. Horse Feed				
1105	J.G.H. Starting and Growing Mash				

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
1108	Mohawk Pig				Bakery crumbs present—not guaranteed
1433	Hinman Mills, Inc., Deposit, N. Y. Hinman's 18% Butterfat				Dried beet pulp and soy-bean meal guaranteed—not present
1435	Hinman's 19% Fitting Ration				Dried beet pulp guaranteed—not present
4868	Hinton and Co., Inc., New York, N. Y. Rabbit Pellets				Principally soybean meal, ground oats, alfalfa meal, ground corn
4201	Homer Coop. G.L.F. Service, Inc., Homer, N. Y. Homer Fitting Ration				Linseed oil meal guaranteed—not present. Soy-bean meal present—not guaranteed
4173	Hortonville Grange Co-op. Assn., Inc., Hortonville, N. Y. Co-op Champion Dairy				Ground grain screenings present—not guaranteed
4176	Co-op Fitting Ration				Ground grain screenings present—not guaranteed
4172	Co-op Hi-Milk 20				Ground grain screenings present—not guaranteed
4174	Grange Super All-Mash Medicated	Fiber Arsenic acid	4.5% 0.010%	5.2% 0.018%	Ground grain screenings 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
2581	Howard and Son, E. A., Central Bridge, N. Y. Howard's Chick Starter Mash Medicated	3-Nitro 3,5-Dinitrobenzamide Acetyl (p-nitrophenyl) sulfanilamide	0.005% 0.025% 0.030%	0.002% 0.011% 0.011%	Grain screenings present —not guaranteed. Lin- seed oil meal guaran- teed—not present Grain screenings present —not guaranteed Grain screenings present —not guaranteed Grain screenings present —not guaranteed
2579	Howard's Egg Mash				
2576	Howard's 15% Dairy Ration				
2578	Howard's Growing Mash				
2580	Howard's Pig and Hog Ration				
2582	Howard's 20% Milk Grain	Equiv. crude protein from non-protein nitrogen	3.144%	4.0%	
4493	Inter-County Farmers Coop. Assn., Inc., Wood- ridge, N. Y.				
4499	Co-op Brand Chick Starter Mash Medicated	Fat	5.5%	4.8%	
4065	Co-op Brand Complete Roaster Finisher	Fat	7.0%	6.1%	
	Co-op Brand Unistat-Arsanilic Acid Mixture	3,5-Dinitrobenzamide	0.025%	0.019%	
4871	International Aquarium, Inc., Center Moriches, N. Y. Guinea Pig Diet	Fat Fiber	4.0% 11.5%	3.3% 13.4%	
2538	Interstate Commodities, Inc., Troy, N. Y. Corn Feed Meal	Protein Fat Fiber		9.4% 3.4% 3.8%	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
3008	Ithaca Coop. G.L.F. Service, Inc., Ithaca, N. Y. Ithaca Laying Mash Medicated	Arsanilic acid	0.016%	0.022%	
1369 1368	Latus-Richer Co., Inc., Clayville, N. Y. Ecco Fitting Ration Ecco 14% Dairy Feed	Fat	3.5%	3.0%	Linseed meal present— not guaranteed
4804	Long Island Soap Co., Inc., Brooklyn, N. Y. Meat and Bone Scrap	Protein	50.0%	45.6%	
1474	McGraw Coop. G.L.F. Service, Inc., McGraw, N. Y. McGraw 16% Dairy	Protein	16.0%	13.9%	Soybean oil meal guaran- teed—not present
2651	Malone Feed and Farm Supply, Inc., Malone, N. Y. Five Star Calf Starter and Grower				Cottonseed meal guar- anteed—not present
2649	Five Star 16% Dairy Ration				Linseed oil meal and cot- tonseed meal guaran- teed—not present
2648	Five Star 20% Dairy Ration Regular				Linseed oil meal and cot- tonseed meal guaran- teed—not present
2650	Five Star 20% Dairy Ration Supreme				Cottonseed meal guaran- teed—not present
4551	Manhattan Flour and Feed Co. of Buffalo, Inc., Buffalo, N. Y. Manhattan Feed				
1665 1603	Marshall's Feed Mill, Horseheads, N. Y. Marshall's Nutria Pellets Marshall's Rabbit Pellets	Protein Protein	16.0% 17.0%	14.2% 13.7%	Cottonseed 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
1489	Maxon Feed Co., Greene, N. Y. Maxon 16% Dairy Feed				
2951	Maxon Mills, Inc., Wassaic, N. Y. Maxon Calf Starter				
2866	Medbury and Neilsen, New Berlin, N. Y. M. and N. Calf Starter	Protein	18.0%	16.0%	Beet pulp guaranteed—not present
2869	M. and N. Dry and Freshening				Soybean meal present—not guaranteed. Fish meal guaranteed—not present
2868	M. and N. Pasture Ration				Soy bran flakes and soybean oil meal guaranteed—not present. Cottonseed meal and wheat distillers dried grains present—not guaranteed
2870	M. and N. Test Cow				Beet pulp and wheat distillers dried grains present—not guaranteed
2613	Mercer Milling Co., Baldwinville, N. Y. Mercer's Pig Ration				Soybean oil meal guaranteed—not present
2609	Mercer's Sweet Feed				
2902	Middleburgh Coop. G.L.F. Service, Inc., Middleburgh, N. Y. Middleburgh 16% Dairy	Equiv. crude protein from non-protein nitrogen	2.75%	3.6%	Soybean meal present—not guaranteed. Fish 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
4279	Miller and Son, E. E., Geneva, N. Y. Miller's Superior Laying Mash	Fat	5.0%	4.3%	Grain screenings present—not guaranteed Grain screenings present—not guaranteed Cottonseed meal guaranteed—not present
3054	Moon and Co., Inc., George Q., Binghamton, N. Y. Moon 18% Dairy Ration				
3057	Moon 20% Dairy Ration				
1463	Moon U. S. 16% Dairy Ration				
	Narrowsburg Feed and Grain Co., Narrowsburg, N. Y.				
4151	Honor Brand All-Mash Super Laying Ration	Fat Equiv. crude protein from non-protein nitrogen	5.0% 1.3%	3.3% 1.7%	Ground oyster shell present—not guaranteed Ground oyster shell present—not guaranteed Ground barley and ground oyster shell present—not guaranteed Wafer meal present—not guaranteed Dried citrus pulp guaranteed—not present
4152	Honor Brand "Blue Tag" Super Laying Mash				
4154	Honor Brand "Custom-Egg" All-Mash Layer				
4155	Honor Brand Fitting Ration				
4156	Honor Brand "Fodder-Ade"				
4159	Honor Brand 16% Dairy Queen Pellets				
4162	Honor Brand Special 16% Dairy Ration				
4166	Honor Brand Superfat 20% Dairy Ration				
4168	Honor Brand 20% "Hi-Test" Dairy Ration				
4547	Niagara Milling Co., Ransomville, N. Y. Niagara Hi Energy Growing Mash Fresh Mixed	Acetyl (p-nitrophenyl) sulfanilamide	0.030%	0.037%	Bone 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
4291	Nightingale Mills, Inc., Marcellus, N. Y. Camillus Mills—24% Dairy				Peanut skins present—not guaranteed
1396	Ogden Grain Co., Utica, N. Y. Ogden Complete Layer Medicated	Fat	3.5%	2.7%	
1395		Fiber	3.5%	4.7%	
1345	Ogden Complete Starter Grower Layer Breeder Ogden Super Hi-Energy Laying	Fat	3.5%	3.0%	
		Fat	4.5%	3.9%	
4118	Ogden 20% Laying Feed	Fiber	4.0%	4.6%	
		Fat	4.0%	3.3%	
4119	Ogden 20% Turkey Grower and Developer	Fiber	3.5%	4.8%	
		Fat	5.0%	3.5%	
1112	30% Dairy Mixing Ration	Fiber	4.5%	5.2%	
		Protein	30.0%	28.4%	Brewers dried grains and corn distillers dried grains present—not guaranteed
1251	Osceola Products Co., Osceola, Ark. Osceola Brand 41% Protein Solvent Extracted Cottonseed Meal	Fat	1.0%	0.6%	
4426	Perry Coop. G.L.F. Service, Inc., Perry, N. Y. Perry 16% Dairy	Protein	16.0%	14.7%	Dehulled solvent extracted soybean meal guaranteed—not present
2689	Pierce Grain Corp., Buffalo, N. Y. Reliance Coarse Calf Meal				
2688	Reliance Fitting Ration	Protein	20.0%	17.9%	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
4355	Reliance Fitting Ration				Dried beet pulp guaranteed—not present. Brewers dried grains present—not guaranteed
4365	16% Economy Dairy	Equiv. crude protein from non-protein nitrogen Equiv. crude protein from non-protein nitrogen	4.0%	7.2%	
4363	32% Mobile Dairy Supplement		14.5%	19.7%	
4228	Plasche-Ameele Co., Inc., East Williamson and Sodius Center, N. Y. P and A Starter Mash Medicated	Nitrophenide	0.020%	Less than 0.001%	
1094	Potsdam Feed and Coal Co., Inc., Potsdam, N. Y. Special Blend PFC 20% Dairy Ration				Linseed meal guaranteed—not present
4807	Publicker Industries, Inc., Philadelphia, Pa. Prograsol	Protein Fat Fiber		26.2% 9.6% 11.5%	Guaranteed analysis not stated Principally corn distillers dried grains
2724	Ralston Purina Co., St. Louis, Mo. Brewers' Dried Grains				Wheat bran and linseed meal present—not guaranteed
2735	Checkerboard Dairy 18% G (Coarse)				Brewers dried grains present—not guaranteed
1053	Checkerboard Dairy 20% G (Coarse)				Dried beet pulp 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
2736	Checkerboard Dairy 20% G (Coarse)				Brewers dried grains present—not guaranteed
2977	Corn Distillers' Dried Grains	Fat Calcium Phosphorus (Min.)	6.0% 2.50%-3.50% 1.00%	3.4% 1.46% 0.77%	Cottonseed meal guaranteed—not present
1688	Purina Cow Chow Concentrate 32%				
4543	Purina Cow Chow Concentrate 32%				
1024	Purina Cow Chow Supplement G				
1378	Purina Dairy Concentrate 32%	Calcium	2.50%-3.50%	1.45%	Water-soluble chlorides calculated as sodium chloride
2503	Purina Dairy Concentrate 32%	Calcium Protein Calcium (Min.) Fat Calcium	2.50%-3.50% 45.0% 3.50% 3.0% 2.30%-3.30%	1.38% 32.6% 1.66% 2.6% 3.73%	Linseed meal present—not guaranteed. Cottonseed meal guaranteed. Cottonseed meal present—not present
996	Purina Dairy Mix 45%				
4809	Purina Lay Chow				
3430	Randolph Feed and Supply Co., Inc., East Randolph, N. Y. R. F. S. 30% Supplement	Equiv. crude protein from non-protein nitrogen	10.48%	15.5%	Cottonseed meal guaranteed. Linseed meal present—not guaranteed.
815	Reading Milling Co., Inc., Reading, Pa. Faramel Station Fattener				Bakery crumbs 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
2559	Red Mills, Inc., The, Claverack, N. Y. Hudson Valley 16% Dairy Ration				Dried brewers grains guaranteed—not present
1102	Red Mills 18% Test Ration				Linseed oil meal guaranteed—not present
1104	Red Mills 16% Test Ration				Linseed oil meal guaranteed—not present
2562	Red Mills 20% Laying Mash	Fat		2.9%	
2563	Red Mills Unistat Vita-Biotic Chick Starter	3-Nitro	3.5% 0.005%	Less than 0.001%	
4424	Reisdorf Bros., North Java, Java Village, N. Y. Our Dairy Feed	Protein	18.0%	16.3%	
4576	Resseguie and Son, B., Middleport and Barker, N. Y. Milk More 20% Dairy Ration				Grain screenings present—not guaranteed. Linseed oil meal guaranteed—not present
4577	Reliable 16% Dairy Feed				Linseed meal guaranteed—not present
4575	Reliable 30% Dairy Concentrate				Brewers dried grains present—not guaranteed. Linseed oil meal guaranteed—not present
4574	Reliable 21% Chick Starter Medicated	3-Nitro	0.005%	Less than 0.001%	
4592	Richardson Milling Co., Inc., Hamburg, N. Y. R. M. C. Dairy Feed	Equiv. crude protein from non-protein nitrogen	3.0%	4.8%	

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
4128	Richer Co., Inc., The I. L., New Berlin, Richfield Springs, Norwich and Sherburne, N. Y. Richer's Ready Ration Dairy Balancer	Calcium (Min.)	13.50%	8.71%	
4515	Rignel Co., Inc., James O., Lockport and Medina, N. Y. Rignel's Super Complete Chick Starter Medicated	Nitrofurazone	0.0056%	0.003%	
1365	Roe Farm Service, Inc., Limerick, N. Y. Roe Feeds Pasture Ration	Fat	4.0%	3.5%	Linseed oil meal guaranteed—not present. Soybean meal present—not guaranteed
1366	Roe Feeds 1000 Islands 16% Dairy Ration				Linseed oil meal and cotton seed oil meal guaranteed—not present. Soybean meal present—not guaranteed
1323	Rome Coop. G. L. F. Service, Inc., Rome, N. Y. Rome 16% Dairy				Com distillers dried grains present—not guaranteed
4477	Ryder Rendering Co., J. O., Matamoras, Pa. Cackle Brand Meat and Bone Meal	Protein	50.0%	47.2%	
4502	Sandborn Milling Co., Inc., Sandborn, N. Y. Samico Starting Mash Medicated	Acetyl (p-nitrophenyl) sulfanilamide	0.030%	0.023%	
2640	Saskatchewan Wheat Pool, Fort William, Ontario, Canada Ground Flax Screenings	Fat	10.0%	8.1%	

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
2906	Schodack Valley Mills, Castleton-on-Hudson, N. Y. Scho-vall 18% Dairy Rations				Rice hulls present—not guaranteed
2978	Sea Board Supply Co., Philadelphia, Pa. Red Mobil-Mix For All Four-Footed Animals	Calcium	16.00%–19.00%	13.48%	
4269	Seelos and Son, Frank P., Honeoye Falls, N. Y. Farmer Girl Egg Mash	Arsanilic acid		0.015%	Arsanilic acid not guaranteed
4270	Farmer Girl Growing Mash	Arsanilic acid		0.010%	Arsanilic acid not guaranteed
4238	Farmer Girl 30% Dairy Concentrate	Fat	2.0%	1.7%	
4881	Segal and Son, I., Riverhead, N. Y. Segal's Feed Bag Shakings	Sulfaquinoxaline Amprolium 3,5-Dinitrobenzamide Arsenic Furazolidone		0.003% 0.003% 0.005% 0.0013% 0.003%	Sulfaquinoxaline, amprolium, 3,5-dinitrobenzamide, arsenic and furazolidone — not guaranteed Principally oats, wheat, corn, soybean meal and fish meal
4580	Shamel Milling Co., Inc., East Concord, N. Y. Concord Maid Hi-Energy Laying Mash				Wheat bran present—not guaranteed
3411	Sherman Steam Mills, Sherman, N. Y. Edmunds Pork Maker				Ground oats present—not guaranteed
1490	Sherwin-Williams Co., The, Cleveland, Ohio Sherwin-Williams 32% Linseed Meal	Acid-insoluble ash		0.88%	Excessive in acid-insoluble ash. Screenings 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
4649	Sixt and Son, Inc., John, Chaffee, N. Y. Johnny's Calf Mix				Soybean meal and linseed meal present—not guaranteed
845	Suffolk Coop. G.L.F. Service, Inc., Riverhead, N. Y. Long Island Duck Grower Pellets with Sulfaquinoxaline	Sulfaquinoxaline	0.050%	0.075%	
983	Suni-Citrus Products Co., Haines City, Fla. Sweet Suni-Citrus Pulp	Fat	3.0%	2.5%	
4383	Thorp and Mann, South Dayton, N. Y. South Dayton Dairy Feed				Dried beet pulp guaranteed—not present. Grain screenings present—not guaranteed.
3093 1135	Tioga Mills, Inc., Waverly, N. Y. and Sunbury, Pa. Tioga 40% Hog Concentrate Medicated Tioga Thyroactive Casein Mixture	3-Nitro	0.0125%	0.008%	Crimped oats present—not guaranteed
3045	Tioga Turkey Grower	Protein	20.0%	18.1%	
1476	Truxton Coop. G.L.F. Service, Inc., Truxton, N. Y. Truxton 18% Test Fortified				Alfalfa meal present—not guaranteed
4133	Ultra-Life Laboratories, Inc., East St. Louis, Ill. Ultra-Life Livestock	Calcium	8.00%—8.50%	9.57%	

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
4193	Van Buren and Sons, Inc., E. T., Hobart, N. Y. Van Buren's VB Special Coarse Dry and Freshening Ration				Corn distillers dried grains present—not guaranteed
4408	Verity Mills, Inc., Buffalo, N. Y. Verity Blue Ribbon 12% Fitting and Dry Cow Ration	Fiber	8.0%	10.3%	
4549	Verity Come-Boss Sixteen	Protein	16.0%	14.4%	
4550	Verity Fullneed Complete Calf Starter and Grower	Fiber	11.0%	12.4%	Dried beet pulp guaranteed—not present
4410	Verity Fullneed 18 Milkflo	Protein	20.0%	17.9%	O. P. linseed oil meal pellets guaranteed—not present
4406	Verity Fullneed Horse Feed				Coarse cut alfalfa guaranteed—not present
4402	Verity Fullneed Turkey Starter Medicated	Protein	28.0%	25.4%	
		Sulfaquinioxaline	0.0175%	0.024%	
2858	Ward and Son, M. J., Savona and Bath, N. Y. Wards Fresh Mixed Growing Mash				Ground barley present—not guaranteed
3036	Wards Supplemental Dairy Feed	Protein	32.0%	29.8%	Linseed oil meal guaranteed—not present
		Fat	4.0%	3.5%	
		Equiv. crude protein from non-protein nitrogen		8.5%	Equiv. crude protein from non-protein nitrogen not guaranteed
2890	Ward and Van Scoy, Inc., Candor and Owego, N. Y. 18% Test Cow Ration				Citrus pulp present—not guaranteed. Beet pulp 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
2929	Webster Co., H. K., Lawrence, Mass. and Richmond, Vt. Blue Seal "30" Dairy Concentrate	4-Nitro	0.025%	0.016%	Corn distillers dried grains present—not guaranteed
2931	Blue Seal Turkey Growing HS Medicated				
3436	West Valley Milling Co., Inc., West Valley, N. Y. West Valley Green Tag Dairy Ration	Protein	16.0%	11.8%	Corn distillers' grains and corn gluten feed guaranteed—not present Dried beet pulp present not guaranteed
3434	West Valley Red Tag Dairy Ration				
4202	Wheat Bros., Inc., Moravia, N. Y. Premium Egg Mash				Ground rye present—not guaranteed
1675	Wirthmore Feeds, Inc., Waltham, Mass. New Hope Complete Horse Feed	Riboflavin (Min.)	10.0 mg./lb.	1.3 mg./lb.	Ground oats present—not guaranteed
4053	New Hope Complete Horse Feed	Riboflavin (Min.)	10.0 mg./lb.	2.6 mg./lb.	Fat and fiber not guaranteed
1680	24% Brewer's Grains	Fat Fiber		6.1% 12.3%	
3004	Wirthmore Bulky-More	Equiv. crude protein from non-protein nitrogen	2.5%	6.5%	
4047	Wirthmore Coccidiosis Treatment Ration 421 A	Sulfaquinoxaline	0.100%	0.077%	
4054	Wirthmore Complete Growing Ration 206 A	Sulfaquinoxaline	0.0125%	0.021%	
1186	Wirthmore 44% Broiler Concentrate	Calcium	2.50%—3.50%	4.03%	
1679	Wirthmore 44% Dairy Mixing Feed	Calcium Phosphorus (Min.) Salt	3.00%—4.00% 1.00% 4.00%—5.00%	1.12% 0.72% 2.68%	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
1667	Wirthmore Horse Perxies	Riboflavin (Min.)	40.0 mg./lb.	3.0 mg./lb.	Soybean meal present— not guaranteed
2993	Wirthmore Milk Mizer	Pantothenic acid (Min.)	40.0 mg./lb.	9.1 mg./lb.	
2815	Wirthmore .007% Diencetrol	Fat	10.0%	7.8%	
1028	Wirthmore 16 Pro-Cal Dairy Feed	Nicarbazin	0.0125%	0.009%	
4583	Wohlhueter Co., The W. E., Colden, N. Y. Wohlhueter's Calf Feed	Equiv. crude protein from non-protein nitrogen	5.33%	7.6%	Linseed oil meal guar- anteed—not present. Soybean meal present —not guaranteed Linseed oil meal guaran- teed—not present
4586	Wohlhueter's Dairy Ration				
953	Yieldmor Feeds, Inc., Piqua, Ohio				
952	Yieldmor 24% Super Broiler Medicated	3-Nitro	0.0075%	0.005%	
954	Yieldmor Super Finisher Pellets Medicated	3-Nitro	0.0075%	0.005%	
	Yieldmor Super Finisher Pellets Medicated	3-Nitro	0.0075%	0.005%	

PROVISIONS OF LAW RELATIVE TO COMMERCIAL FERTILIZERS

Article 10 of the
Agriculture and Markets Law
(Chapter 48, Laws of 1922, as amended)

Relating to SALE AND ANALYSIS OF COMMERCIAL FERTILIZERS

- Section 143. Statements to be attached to packages.
144. Violations.
145. Statement filed with commissioner; license fees.
146. Presence of inert nitrogenous * matter to be stated.
147. Commissioner to take samples for analysis; analysis to be made by director of experiment station.

§ 143. **Statements to be attached to packages.** No manufacturer, firm, association, corporation or person shall sell, offer or expose for sale in this state any commercial fertilizer or any material to be used as fertilizer, except animal manures which have not been artificially treated or manipulated, unless such commercial fertilizer or material to be used as a fertilizer shall be accompanied by or shall have affixed to each and every package in a conspicuous place on the outside thereof, a plainly printed statement which shall certify as follows:

1. The net weight of the contents of the package.
2. The name, brand or trade mark under which it is to be sold.
3. The name and principal address of the manufacturer or person responsible for the placing of the commodity upon the market.
4. The minimum per centum of each of the following constituents which may be contained therein:

a. Nitrogen.

b. Available phosphoric acid, except that in cases of undissolved bone, basic slag phosphate, wood ashes, untreated phosphate rock, garbage tankage, and pulverized natural manures, the minimum per centum of total phosphoric acid may be substituted therefor.

c. Potash soluble in distilled water.

d. In the case of ground limestones, marls, mussel shells, and other calcium and magnesium carbonates used for agricultural purposes, the

* So in original.

minimum per centum of carbonate, expressed as calcium oxide and magnesium oxide.

e. In the case of burned or hydrated limes, the minimum per centum of calcium oxide and magnesium oxide.

f. In the case of other materials containing calcium and magnesium compounds, the minimum per centum of carbonate present, expressed as calcium oxide and magnesium oxide.

g. In the case of soluble and insoluble magnesium, sulphur, boron, or any other elements claimed to be of value in the fertilizer, the minimum percentages of these elements.

5. The potential acidity or basicity of a mixed fertilizer in terms of pounds of calcium-carbonate-equivalent per ton.

If any commercial fertilizer or material to be used as a fertilizer, be sold, offered or exposed for sale in bulk such printed statement shall accompany every lot and parcel so sold, offered or exposed for sale.

That portion of the statement required by this section, relating to the chemical composition of commercial fertilizer or material to be used as a fertilizer, shall be known as the guaranteed analysis. (*As amended by Chap. 386, Laws of 1922; Chap. 193, Laws of 1928; Chap. 551, Laws of 1941.*)

§ 144. **Violations.** It shall be a violation of the provisions of this article if the statement required by the last preceding section shall be false in regard to the net weight of the contents of the package sold, offered or exposed for sale, or in the name, brand or trade mark under which the fertilizer is sold, or in the name and address of the manufacturer or person responsible for placing the commodity upon the markets. It shall also be a violation of the provisions of this article if any commercial fertilizer or material to be used as a fertilizer shall contain a smaller percentage of nitrogen, phosphoric acid, potash, calcium oxide or magnesium oxide, or of soluble or insoluble magnesium, sulphur, boron, or any other elements claimed to be of value in the fertilizer than is certified in said statement to be contained therein. It shall further be a violation if the statement fails to set forth the potential acidity or basicity of a mixed fertilizer in terms of calcium-carbonate-equivalent per ton. (*As amended by Chap. 722, Laws of 1923; Chap. 551, Laws of 1941.*)

§ 145. **Statement filed with commissioner; license fees.** Before any manufacturer, firm, association, corporation or person shall sell, offer or expose for sale, in this state any commercial fertilizer or material to be used as a fertilizer, he or they shall, for each and every brand of commercial fertilizer or materials to be used as fertilizer, file annually, prior to the sale, offer or exposure for sale with the commissioner a certified copy of the statement with the exception of the net weight of the

package specified in section one hundred and forty-three of this article. Every manufacturer, firm, association, corporation or seller of any commercial fertilizer or material to be used as a fertilizer shall pay annually prior to the sale, offer or exposure for sale, to the commissioner for remittance to the state treasury a license fee of twenty dollars for each and every brand to be sold, offered or exposed for sale. Whenever a manufacturer, firm, association, corporation or seller of any commercial fertilizer or material to be used as a fertilizer, desires at any time to sell such commercial fertilizer or such material and has not complied with the requirements of the statute, he or they shall before selling, offering or exposing the same for sale, comply with the requirements as herein provided. The division of finance in the department of taxation and finance shall in each case at once certify to the commissioner the payment of such license fee. Each manufacturer, firm, association, corporation or seller who has complied with the provisions of this article shall be entitled to receive a certificate from the commissioner setting forth said facts. Such certificate shall expire on the thirty-first day of December of the calendar year for which it was issued, but no such certificate shall be issued for the sale of a brand of commercial fertilizer or material to be used as a fertilizer under a brand or trade name, or with any information or statement accompanying same, which is misleading or deceptive or tends to mislead or deceive as to its quality or the constituents or materials of which it is composed. Any such certificate so issued may be cancelled by the commissioner when it is shown that any statement upon which it was issued is false or misleading. Whenever a manufacturer, firm, association, corporation or person shall have filed the statement and paid the license fee as prescribed in this section, no agent, seller or retailer of such brand shall be required to file such statement or pay such fee upon said brand during the year for which licensed, nor upon such goods so licensed remaining unsold in subsequent years which were purchased during the year for which it was licensed. For the purposes of this article, commercial fertilizers or materials to be used as a fertilizer, shall be considered as distinct and separate brands when differing either in guaranteed analysis, name, brand or trade mark or in any other method of marking. (*As amended by Chap. 62, Laws of 1925; Chap. 207, Laws of 1927.*)

§ 146. **Presence of inert nitrogenous matter to be stated.** No manufacturer, firm, association, corporation or person shall sell, offer or expose for sale in this state leather or its products or other inert nitrogenous material in any form, as a commercial fertilizer or material to be used as a fertilizer or as an ingredient of any fertilizer, unless an explicit statement of the facts shall be affixed to every package in a conspicuous place on the outside thereof and shall accompany every parcel or lot which may be sold, offered or exposed for sale in bulk.

§ 147. **Commissioner to take samples for analysis.** The commissioner shall at least once in each year analyze or cause to be analyzed at least one

sample, to be taken in the manner hereinafter described, of the different brands of commercial fertilizers and material to be used as fertilizers which are or may be sold, offered or exposed for sale in this state. The said commissioner or his duly authorized representatives in taking samples shall take them in duplicate in the presence of at least one witness and in the presence of such witness shall seal such samples and shall at the time of taking tender, and if accepted, deliver one of such samples to the person apparently in charge; the other sample the commissioner shall analyze or cause to be analyzed. When samples are taken from fertilizers in bags, a tube shall be used and it shall be inserted at one end of the bag and shall pass substantially the entire length of the bag, so as to take a core of the material being sampled from substantially the entire length of the bag. Samples thus taken from individual bags shall be thoroughly mixed and the official samples be taken from the mixture so drawn. Samples of fertilizers taken as herein provided shall be taken from at least five per centum of the separate packages in the lot for the mixture from which the official samples shall be taken. No action shall be maintained for a violation of the provisions of this article based upon an analysis of samples taken otherwise than as herein provided or taken from less than five separate packages. The result of the analysis of the sample or samples so procured, together with such additional information as circumstances advise, shall be published in reports or bulletins from time to time. Such reports or bulletins shall contain a statement in relation to ground lime rock, marls, mussel shells and other calcium and magnesium carbonates used for agricultural purposes as follows:

1. The per centum of the total material that will pass through a sieve having one hundred meshes per linear inch.
2. The per centum of the total material that will pass through a sieve having sixty meshes per linear inch.
3. The per centum of the total material that will pass through a sieve having twenty meshes per linear inch.
4. The per centum of the total material that will pass through a sieve having ten meshes per linear inch.

The screen used shall correspond with the regulations of the United States Bureau of Standards. (*As amended by Chap. 131, Laws of 1925; Chap. 636, Laws of 1937; Chap. 382, Laws of 1957.*)

TABLE III—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
A		
A-Penn Oil Co., Butler, Pa.	2	1
Adikes, Inc., J. and L., Jamaica, N. Y.	23	18
Agricultural Products Co., Providence, R. I.	5	5
Aimcee Wholesale Corp., New York, N. Y.	1	0
Allied Chemical Corp., Nitrogen Div., Hopewell, Va.	3	3
Allied Chemical Corp., Solvay Process Div., Syracuse, N. Y.	1	1
American Agricultural Chemical Co., The, New York, N. Y.	52	38
American Cyanamid Co., Princeton, N. J.	4	4
Arcadian Gardens, Carteret, N. J.	2	2
Armour Agricultural Chemical Co., Carteret, N. J. ...	46	30
Asgrow Seed Co., New Haven, Conn.	2	2
Atlantic Fertilizer Corp., Jamesport, N. Y.	4	2
Atlantic Seed Co., Martinsville, N. J.	3	2
Atlas Fish Fertilizer Co., San Francisco, Calif.	1	1
B		
Balducci Crushed Stone Co., Gouverneur, N. Y.	1	1
Barrow Forest Products Co., Ahoskie, N. C.	1	1
Batten Kill Stone, Inc., Middle Falls, N. Y.	1	1
Baugh and Sons Co., Inc., The, Baltimore, Md.	31	22
Better Lawns and Nursery, North Collins, N. Y.	1	1
Black Magic, Inc., Hermosa Beach, Calif.	2	2
Blackstone Guano Co., Inc., Blackstone, Va.	3	2
Boyle-Midway, Inc., New York, N. Y.	1	1
Buffalo Extract and Supply Co., Inc., Buffalo, N. Y.	2	1
C		
California Chemical Co., Ortho Div., Richmond, Calif.	6	6
Callanan Road Improvement Co., South Bethlehem, N. Y.	1	1
Cambridge Laboratories, Inc., Flushing, N. Y.	1	1
Canada Packers Ltd., Shur Gain Div., Montreal, Canada	5	5
Chamberlin and Barclay, Inc., Cranbury, N. J.	3	3
Chilean Nitrate Sales Corp., New York, N. Y.	2	2
Circle M Dairy Farm, Inc., Medford, N. Y.	1	1
Clinton Nurseries, Clinton, Conn.	7	5
Colarusso and Son, Inc., A., Hudson, N. Y.	1	1

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Colonial Horticultural Supply Co., Jamaica, N. Y. . .	1	1
Conklin Limestone Co., Inc., The, Canaan, Conn. . . .	2	2
Consolidated Rendering Co., Boston, Mass.	10	8
Coop. G. L. F. Exchange, Inc., Soil Building Div., Ithaca, N. Y.	52	37
Corson, Inc., G. and W. H., Plymouth Meeting, Pa. . .	2	2
Country Squire Fertilizer Co., Farmingdale, N. Y. . .	6	5
Cross Island Hardware Corp., Roslyn Heights, N. Y.	3	3
Curtis and Son, Inc., C. Roy, Marion, N. Y.	15	2
D		
Dalsimer, Inc., Landscape Associates Inc., Cedarhurst and Brookville, L. I., N. Y.	1	1
Davison Chemical Co., Div. of W. R. Grace and Co., Baltimore, Md.	10	7
Dayton Fertilizer Corp., Dayton, N. J.	6	4
Doggett Fison Co., Springfield, N. J.	3	3
Doggett-Pfeil Co., Springfield, N. J.	11	11
Driconure Co., The, Dearborn, Mich.	1	1
DuPont de Nemours and Co., Inc., E. I., Wilmington, Del.	4	3
E		
Eastern Dehydrating Co., Lexington, N. C.	3	2
Elwood Florist, E. Northport, N. Y.	1	0
Espoma Co., The, Millville, N. J.	6	6
Estate Fertilizer, Riverhead, N. Y.	4	3
F		
Faesy and Besthoff, Inc., New York, N. Y.	8	7
Farber White Limestone Co., Franklin, N. J.	2	2
Farmers Organic Corp., Linwood, N. C.	1	1
Federal Chemical Co., Cranbury, N. J.	12	11
First National Stores, Inc., East Hartford, Conn. . . .	3	3
Friedberg's Farm and Garden Supply, Sayville, N. Y.	3	2
Frontier Stone Products, Inc., Lockport, N. Y.	3	2
G		
Gansco Products Ltd., Toronto, Canada	1	0
Gar-Prod. Inc., Lindenhurst, L. I., N. Y.	2	1
Garden Products Co., Farmingdale, L. I., N. Y. . . .	5	4
Garden Supply Sales Corp., Rahway, N. J.	1	0

TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
General Crushed Stone Co., Easton, Pa.	1	1
Glorion Div., Aluminum and Chemical Corp., Greenwich, Conn.	6	5
Goulard and Olena, Inc., Skillman, N. J.	19	11
Green Thumb Products, Toledo, Ohio	2	2
Green Valley Nursery, Hawthorne, N. Y.	1	1
Greenlife Products Co., West Point, Va.	2	2
Gro-Green Products, Inc., Buffalo, N. Y.	8	6
Growers Seed and Fertilizer Co., Norfolk, Va.	1	1
H		
Halco Chemical Co., Kenilworth, N. J.	8	6
Halstead Distributing Corp., Mt. Kisco, N. Y.	3	3
Handleman's "The Garden Center," White Plains, N. Y.	1	1
Hart Seed Co., The Chas. C., Wethersfield, Conn. ...	1	1
Heller Greenhouse Laboratories, Colorado Springs, Colo.	1	1
Hercules Powder Co., Wilmington, Del.	1	1
Heritage House Products Inc., Philadelphia, Pa.	4	2
High Point Mills, Inc., Henrietta, N. Y.	6	5
Hoffman, Inc., A. H., Landisville, Pa.	8	8
Homeside Florists, Centereach, N. Y.	2	1
Hortco Inc., Huntington, N. Y.	1	1
Hubbard-Hall Chemical Co., Waterbury, Conn.	13	10
Hugo's Garden Center, New Hyde Park, N. Y.	1	1
Hydroponic Chemical Co., Inc., Copley, Ohio	4	4
Hy-Trous Co. of Canada, Ltd., Cornwall, Ontario, Canada	8	6
Hytrous Corp., Woburn, Mass.	1	1
I		
Independence Hall Seed Co., Baltimore, Md.	1	1
International Minerals and Chemical Corp., Buffalo, N. Y. and Skokie, Ill.	10	6
Ireland's Nursery, Oceanside, N. Y.	1	0
K		
Karp and Son, Morris, Farmingdale, N. Y.	6	4
Kentucky Valley Farms, Martinsville, N. J.	2	1
Kroemer and Sons, Inc., William, Hicksville, N. Y. ...	2	2

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
L		
Lawn-Tex, Inc., Chicago, Ill.	1	1
Lebanon Chemical Corp., Lebanon, Pa.	14	8
Lee Lime Corp., Lee, Mass.	4	4
Lee Patten Seed Co., Jersey City, N. J.	4	4
Lewis International Co., Maplewood, N. J.	3	0
Limestone Products Corp. of America, Newton, N. J.	2	2
Lofts Pedigreed Seed Co., Jersey City, N. J.	4	3
Lombardi Brothers, Manhasset, L. I., N. Y.	1	0
Long Island Farmers Fertilizers Corp., Mineola, N. Y.	2	1
Long Island Produce and Fertilizer Co., Inc., River- head, N. Y.	11	11
M		
Macy's, New York, N. Y.	2	2
Malverne Nurseries, Malverne, N. Y.	1	0
Mamlon Co., The, New Haven, Conn.	1	1
Masick Soil Conservation Co., Middleburgh, N. Y. ...	1	1
Mathieson Chemical Corp., Olin, Baltimore, Md. ...	11	9
Millard Lime and Stone Co., H. E., Annville, Pa. ...	1	1
Miller Chemical and Fertilizer Corp., Baltimore, Md.	3	3
Monsanto Chemical Co., St. Louis, Mo.	1	1
Montgomery Ward and Co., Chicago, Ill.	4	3
N		
National Gypsum Co., Buffalo, N. Y.	1	1
Natural Development Co., Perry Hall, Md.	1	1
Natural Plant Food Co., Oklahoma City, Okla.	2	1
Nebraska Fertilizer Co., Omaha, Neb.	1	1
Nelson Steel and Wire Co., Franklin Park, Ill.	1	1
New England Lime Co., Canaan, Conn.	2	2
North Massapequa Nurseries, North Massapequa, L. I., N. Y.	1	0
Northeast Garden Sales, Niskayuna, N. Y.	1	1
O		
Ohio Woodville Co., Woodville, Ohio	1	0
Organic Compost Corp., Oxford, Pa.	2	0
Organic Growth Products Co., Farmingdale, N. Y. ...	1	1
P		
Palette Stone Corp., Saratoga Springs, N. Y.	1	0

TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1963—DEC. 31, 1963

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Pax Co., Salt Lake City, Utah	1	1
Penn Valley Co., Kunkletown, Pa.	1	0
Pennsylvania Dutch Fertilizer Co., Lebanon, Pa.	6	6
Plant Joy Co., Madison, Conn.	2	2
Plant Shine Co., St. Louis, Mo.	1	1
Plantabbs Corp., Baltimore, Md.	3	3
Pollak and Co., Inc., Henry A., Hicksville, N. Y.	7	4
Price Co., Inc., Warner, Smyrna, Del.	3	1
Pro-Lawn Products, Inc., Riverhead, N. Y.	5	5
Proen Products Co., Berkeley, Calif.	3	3
Professional Turf Products Co., Mt. Kisco, N. Y.	4	3
R		
Ra-Pid-Gro Corp., Dansville, N. Y.	1	1
Reliable Tree Expert Co., White Plains, N. Y.	1	1
Rosedale Nurseries, Inc., Hawthorne, N. Y.	1	1
Royster Guano Co., F. S., Norfolk, Va.	19	14
Russell, Gerald S., Woodside, L. I., N. Y.	1	1
S		
St. Louis National Stockyards Co., National Stock- yards, Ill.	1	0
Science Products Co., Inc., Chicago, Ill.	1	0
Scott and Sons Co., O. M., Marysville, Ohio	2	2
Seaboard Seed Co., Philadelphia, Pa.	1	0
Sears, Roebuck and Co., Chicago, Ill.	21	14
Sewerage Commission of the City of Milwaukee, Mil- waukee, Wisconsin	1	1
Sgobbo Garden Supplies, Yonkers, N. Y.	3	3
Shields Bros., Port Washington, N. Y.	1	1
Sidley Distributing Co., Westbury, L. I., N. Y.	5	4
Smith-Douglass Co., Inc., Norfolk, Va.	16	12
Sochacki's Garden Sales, Roosevelt, L. I., N. Y.	3	1
Spencer Chemical Co., Kansas City, Mo.	1	1
Stables Toy Mart and Garden Center, Inc., The, Babylon, N. Y.	2	0
Stadler Fertilizer Co., Cleveland, Ohio	1	1
Stern's Garden Products, Inc., Geneva, N. Y.	1	1
Stim-U-Plant Laboratories, Inc., Columbus, Ohio ...	2	2
Sudbury Laboratory, Sudbury, Mass.	3	2
Sunolin Chemical Co., North Claymont, Del.	1	1
Super Soil, Inc., Toledo, Ohio	2	2

**TABLE III—Cont'd—SUMMARY OF FERTILIZER INSPECTIONS
JAN. 1, 1963–DEC. 31, 1963**

Name and Address of Manufacturer or Registrant	Number of samples examined	Number of samples passed
Swift and Co., Agric. Chem. Div., New Haven, Conn.	17	17
Swinc Lawn Products, Levittown, N. Y.	2	2
Swiss Farms, Inc., Philmont, N. Y.	6	5
T		
Terre Co. of New Jersey, The, Saddle Brook, N. J. ...	3	1
Terry and Co., George S., Brockport, N. Y.	9	2
Teweles Seed Co., L., Milwaukee, Wisc.	2	2
Thomas Flower Mart, Inc., Syosset, L. I., N. Y.	2	1
Tree World Inc., East Northport, N. Y.	2	0
U		
United States Gypsum Co., Chicago, Ill.	1	1
Universal Chemical Co., Inc., West Lynn, Mass.	1	0
Universal Marble Products Corp., Thornwood, N. Y.	1	1
Upton-Rich Corp., Savannah, N. Y.	7	4
V		
Valu-Gro Corp., Princeton, N. J.	2	2
Vaughan's Seed Co., Downers Grove, Ill. and Bound Brook, N. J.	4	2
Verhulst Bros. Farm Market, Rochester, N. Y.	5	5
Virginia-Carolina Chemical Corp., Baltimore, Md. ...	16	5
Von Damm, F. H., Natural Products Co., Brooklyn, N. Y.	4	4
W		
Wagner's Farmingdale Feed Co., Inc., Farmingdale, N. Y.	2	2
Walker-Gordon Laboratory Co., Plainsboro, N. J. ...	1	1
Warner Co., Philadelphia, Pa.	3	3
Warren Limestone Co., Oxford, N. J.	1	1
Warren's Turf Nursery, Palos Park, Ill.	1	0
West Hemstead Nursery, West Hemstead, L. I., N. Y.	1	1
Whitney Seed Co., Inc., Buffalo, N. Y.	1	1
Williamson, Inc., Garfield, Jersey City, N. J.	6	4
Wilson, Inc., Andrew, Springfield, N. J.	2	2
Woodbury Garden Center, Woodbury, L. I., 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
407	A-Penn Oil Co., Butler, Pa. Marvel Green Lawn Builder Lawn Food 20-10-5	Nitrogen	20.00%	19.40%	
466	Adikes, Inc., J. and L., Jamaica, N. Y. Gro-Well Acid Plant Food for Azaleas, Rhododendrons 40% Organic with Iron 4-9-7	Available phosphoric acid	9.00%	8.16%	
481	Gro-Well Evergreen Food 50% Organic 9-6-3	Nitrogen	9.00%	8.35%	
478	Gro-Well Professional Lawn Food 85% Organic 20-6-4	Nitrogen	20.00%	14.83%	
475	Gro-Well Soil Sterilizer	Nitrogen	21.00%	20.20%	
474	Gro-Well Tomato Food	Available phosphoric acid		10.79%	Available phosphoric acid not guaranteed
1568	Aimcee Wholesale Corp., New York, N. Y. A M C Weed and Feed 19-9-4	Nitrogen	19.00%	17.44%	
1611	American Agricultural Chemical Co., The, New York, N. Y. A A Plant Food 10-6-4	Nitrogen	10.00%	9.40%	
544	A A Quality Fertilizer 0-20-20	Potash	20.00%	15.25%	
2012	A A Quality Fertilizer 10-20-10	Nitrogen	10.00%	8.49%	
1275	Agrico for Fruit 15-5-15	Nitrogen	15.00%	13.74%	
2007	Agrico for Grain 10-20-20	Potash	20.00%	17.86%	
607	Agrico for Plow-Down 16-8-8	Nitrogen	16.00%	15.32%	
1729	Agrico for Top Dressing 8-8-8	Potash	8.00%	6.43%	
608	Agrico for Top Dressing 16-8-8	Nitrogen	16.00%	14.70%	
1224	Agrico for Truck 10-20-20	Available phosphoric acid	20.00%	18.99%	
2008	Agrico Grass Food 10-6-4	Magnesium oxide	4.00%	1.34%	
109	Agrico Insect Control with Fertilizer 5-9-6	Nitrogen	10.00%	8.75%	
2005	Agrico Phosphate and Potash 0-20-20	Available phosphoric acid	9.00%	8.51%	
110	Agrico Rose Food 5-9-6	Potash	20.00%	19.20%	
108	Agrico Weed Control with Fertilizer 5-9-6	Available phosphoric acid	9.00%	7.73%	
		Available phosphoric acid	9.00%	8.57%	

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
	Armour Agricultural Chemical Co., Carteret, N. J.				
2036	Armour Big Crop Fertilizer 0-20-20	Available phosphoric acid		16.91%	
55	Armour Big Crop Fertilizer 10-6-4	Potash	20.00%	17.60%	
1215	Armour Big Crop Fertilizer 10-10-10	Nitrogen	20.00%	9.22%	
2027	Armour Big Crop Fertilizer 10-20-10	Nitrogen	10.00%	9.39%	
		Nitrogen	10.00%	7.76%	
2043	Armour Big Crop Fertilizer 13-13-13	Available phosphoric acid	20.00%	17.75%	
2046	Armour Big Crop Fertilizer 16-8-8	Nitrogen	13.00%	11.96%	
50	Armour Lawn Special 10-6-4	Nitrogen	16.00%	14.54%	
181	Armour Lightweight Vertagreen Lawn Fertilizer 20-10-10	Nitrogen	10.00%	9.22%	
217	Armour Lightweight Vertagreen Lawn Fertilizer 20-10-10	Potash	10.00%	9.20%	
1705	Armour Lightweight Vertagreen Lawn Fertilizer 20-10-10	Potash	10.00%	9.25%	
1213	Armour Vertagreen Complete Plant Food for Commercial Crops 2-15-30	Nitrogen	20.00%	19.23%	
1210	Armour Vertagreen Complete Plant Food for Commercial Crops 10-20-20	Potash	30.00%	29.17%	
1216	Armour Vertagreen Complete Plant Food for Commercial Crops 12-12-12	Potash	20.00%	18.53%	
2039	Armour Vertagreen for Commercial Crops 10-20-20	Nitrogen	12.00%	10.65%	
2042	Armour Vertagreen Plant Food for Commercial Crops 5-10-5	Potash	20.00%	18.84%	
2032	Armour Vertagreen Plant Food for Commercial Crops 12-12-12	Water-soluble magnesium oxide	3.70%	1.47%	
		Nitrogen	12.00%	10.89%	
337	Atlantic Fertilizer Corp., Jamesport, N. Y. Gold Seal 5-10-5 Cauliflower Special	Borax equivalent	20.0 lb. per ton	26.0 lb. per ton	Boron calculated as borax
173	High Grade Fertilizer Gold Seal Brand 5-10-5	Magnesium	5.00%	2.55%	

Sample Number	Manufacturer or Jobber and Brand Name	Constituent	Guaranteed	Found	Remarks
233	Atlantic Seed Co., Martinsville, N. J. Atlantic Lightweight Fertilizer for Turf 20-10-5	Nitrogen	20.00%	17.90%	
534	Baugh and Sons Co., The, Baltimore, Md. Baugh's Premium Plant Food and Soil Builder 3-9-12	Potash	12.00%	11.37%	
172	Baugh's Premium Plant Food and Soil Builder 5-10-5 with Magnesium	Magnesium oxide Water-soluble magnesium oxide	4.00%	3.09%	
			2.00%	1.22%	
2024	Baugh's Premium Plant Food and Soil Builder Granular 5-20-20	Potash	20.00%	18.98%	
171	Baugh's Premium Plant Food and Soil Builder 6-12-6 Granular with Magnesium	Magnesium oxide	4.00%	3.29%	
611	Baugh's Premium Plant Food and Soil Builder 6-12-12 with Magnesium Granular	Potash	12.00%	11.44%	
1286	Baugh's 10-20-10 Granular	Nitrogen	10.00%	8.18%	
1254	Baugh's 10-20-20 Granular	Available phosphoric acid	20.00%	16.26%	
542	Baugh's 16-8-8 Granular	Nitrogen	10.00%	9.38%	
1285	Baugh's 16-8-8 Granular	Available phosphoric acid	20.00%	19.13%	
		Nitrogen	16.00%	5.15%	
		Potash	8.00%	7.35%	
11	Blackstone Guano Co., Inc., Blackstone, Va. Fairlawn Lawn Food 20-10-5	Nitrogen	20.00%	18.41%	
	Buffalo Extract and Supply Co., Inc., Buffalo, N. Y. Bes-Gro Turf Food 20-10-10	Available phosphoric acid	10.00%	8.69%	
670	Clinton Nurseries, Clinton, Conn. New Era Gro African Violet Food Tablets 10-20-11	Nitrogen	10.00%	8.48%	
1603	New Era Plant Food Tablets 10-15-12	Nitrogen	10.00%	8.61%	
1602	Consolidated Rendering Co., Boston, Mass. Corenco Fertilizer 8-16-16	Potash	16.00%	14.94%	
1246	Corenco Granular Form Fertilizer 10-10-10	Nitrogen	10.00%	9.26%	
1249					

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
	Coop, G.L.F. Exchange, Inc., Soil Building Div., Ithaca, N. Y.				
151	5-10-10 Sul-Po-Mag (1)	Potash	10.00%	9.39%	
155	G.L.F. Gro-Leaf Soluble Plant Food for Liquid Application 14-28-14	Nitrogen	14.00%	12.08%	
	G.L.F. Quality 5-20-20	Available phosphoric acid	28.00%	26.82%	
521		Potash	20.00%	17.31%	
522	G.L.F. Quality Fertiflow Premium Plant Food 10-20-20	Potash	20.00%	19.06%	
563	G.L.F. Quality Fertiflow Premium Plant Food 10-20-20	Nitrogen	10.00%	9.24%	
562	G.L.F. Quality Fertiflow Premium Plant Food 12-12-12	Nitrogen	12.00%	11.41%	
2014	G.L.F. Quality Fertiflow Premium Plant Food 12-12-12	Nitrogen	12.00%	11.18%	
43	G.L.F. Quality Fertiflow Premium Plant Food 16-8-8	Nitrogen	16.00%	14.87%	
577	G.L.F. Quality Fertiflow Premium Plant Food 16-8-8	Nitrogen	16.00%	15.20%	
153	G.L.F. Quality Super Plant Food Granular 8-16-16	Available phosphoric acid	16.00%	13.87%	
		Potash	16.00%	13.68%	
257	G.L.F. Quality Super Plant Food 8-16-16	Potash	16.00%	14.54%	
559	G.L.F. Quality Super Plant Food 8-16-16	Potash	16.00%	13.99%	
164	Squire Applegate Brite for Lawns 20-10-5	Available phosphoric acid	16.00%	15.35%	
41	Squire Applegate Composted Cow Manure for Lawns and Gardens	Nitrogen	20.00%	17.35%	
523	0-10-40 Fertilizer with 5 Pounds Dieldrin per Ton	Sand and inert matter		50.07%	Excessive in sand and inert matter
		Available phosphoric acid	10.00%	8.84%	
219	Country Squire Fertilizer Co., Farmingdale, N. Y. Country Squire 100% Organic Nitrogen 10-6-4 Fortified with Fish Meal and Chelated Iron	Iron		0.960%	Iron not guaranteed

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
615	Curtis and Son, Inc., C. Roy, Marion, N. Y. Fairway Fertilizer "25" 10-5-5 Fairway Special 60% 10-5-5 Sure Crop Fertilizer 0-20-20 Sure Crop Fertilizer 5-10-10 Sure Crop Fertilizer 5-10-10 Sure Crop Fertilizer 5-10-10 Sure Crop Fertilizer 5-10-15 Sure Crop Fertilizer 5-20-10 Sure Crop Fertilizer 8-16-16 Sure Crop Fertilizer 8-16-16 Sure Crop Fertilizer 8-24-8 Sure Crop Fertilizer 10-10-10 Sure Crop Fertilizer 10-20-10 Sure Crop Fertilizer 10-20-20	Nitrogen	10.00%	8.16%	
1261		Nitrogen	10.00%	9.05%	
1262		Available phosphoric acid	20.00%	18.55%	
1255		Iron oxide	1.100%	0.391%	
1259		Sulfur	18.06%	7.62%	
		Iron oxide	1.100%	0.381%	
612		Sulfur	18.06%	7.63%	
		Potash	15.00%	13.11%	
613		Iron oxide	1.100%	0.406%	
		Sulfur	18.00%	8.51%	
616	Potash	10.00%	9.23%		
	Iron oxide	1.100%	0.480%		
1256	Sulfur	13.50%	5.65%		
	Calcium oxide	13.10%	7.59%		
1257	Sulfur	17.20%	10.62%		
	Potash	16.00%	15.14%		
614	Iron oxide	0.450%	0.321%		
	Sulfur	17.20%	7.24%		
1257	Calcium oxide	33.60%	13.74%		
	Iron oxide	1.39%	0.842%		
617	Iron oxide	1.100%	0.312%		
	Sulfur	28.72%	11.45%		
1258	Available phosphoric acid	20.00%	10.22%		
	Iron oxide	0.760%	0.256%		
1258	Sulfur	15.40%	10.97%		
	Calcium oxide	7.80%	5.80%		
604	Iron oxide	1.100%	0.180%		
	Sulfur	8.90%	7.65%		
604	Davison Chemical Co., Div. of W. R. Grace and Co., Baltimore, Md. Davco Granulated 3G Fertilizer 10-10-10	Nitrogen	10.00%	9.37%	
		Potash	10.00%	9.32%	

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
605	Davco Granulated 3G Fertilizer 13-13-13	Nitrogen	13.00%	11.68%	
476	Granulated Magnesium Ammonium Phosphate 8-40-0 Fertilizer Coarse	Potash	13.00%	11.73%	
378	Dayton Fertilizer Corp., Dayton, N. J. Grand Lawn Lightweight Fertilizer Concentrated 15-7-5	Magnesium	14.00%	13.11%	
1624	Lightweight Lawn Treat Lawn Fertilizer 14-8-4	Nitrogen	15.00%	13.45%	
		Available phosphoric acid	7.00%	6.11%	
		Available phosphoric acid	8.00%	4.47%	
520	DuPont de Nemours and Co., Inc., E. I., Wilmington, Del. DuPont Turf Food 20-10-10 with 2,4 D Weed Killer	Potash	10.00%	8.27%	
162	Eastern Dehydrating Co., Lexington, N. C. Fertalgro Cow Manure	Nitrogen	2.00%	1.71%	
495	Elwood Florist, E. Northport, N. Y. Elwood Hi Organic Lawn and Turf Food 50% Natural Organic 10-6-4	Nitrogen	10.00%	9.31%	
18	Estate Fertilizer, Riverhead, N. Y. Estate Fertilizer 100% Organic Nitrogen 10-6-4 Lawn Food Fortified with Fish Meal and Chelated Iron	Iron		1.38%	Iron not guaranteed
349	Faesy and Besthoff, Inc., New York, N. Y. Azalea Camellia Rhododendron Food 5-10-10 with Chelated Iron	Iron		1.44%	Iron not guaranteed
444	Federal Chemical Co., Cranbury, N. J. Federal Lawn Life Crabgrass Preventer Plus Plant Food 18-9-4	Nitrogen	18.00%	16.35%	

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
403	Friedberg's Farm and Garden Supply, Sayville, N. Y. Spurt 5-10-5	Potash	5.00%	4.30%	
1272	Frontier Stone Products, Inc., Lockport, N. Y. Super Fine Ground Dolomite Limestone	Magnesium oxide	25.02%	18.36%	
373	Gansco Products Limited, Toronto, Canada Gard N Stik 6-12-12	Potash	12.00%	10.18%	
1564	Gar-Prod, Inc., Lindenhurst, L. I., N. Y. Gar-Prod 60 Gro General Purpose Water Soluble Plant Food Concentrate 24-24-12	Available phosphoric acid	24.00%	21.72%	
23	Garden Products Co., Farmingdale, L. I., N. Y. Hill's Garden Time 10-6-4 100% Organic Nitrogen Lawn Food Contains Chelated Iron and Trace Elements	Iron		0.738%	Iron not guaranteed
1649	Garden Supply Sales Corp., Rahway, N. J. Farmanure	Nitrogen Sand and inert matter	3.00%	2.36% 43.83%	Excessive in sand and inert matter
188	Glorion Div., Aluminum and Chemical Corp., Greenwich, Conn. Glorion Lighttwight Lawn Fertilizer 20-10-5	Available phosphoric acid	10.00%	9.14%	
96	Gouldard and Olena, Inc., Skillman, N. J. G and O Bone Meal	Nitrogen	2.50%	1.82%	
1636	G and O Bulb Food 5-6-15	Potash	15.00%	11.98%	
83	G and O Light Fantastic Lawn Food 20-6-4	Nitrogen	20.00%	18.30%	
97	G and O Prizegro for Gardens 5-10-5	Potash	5.00%	1.80%	
1641	G and O Tomato and Fruit Food 5-10-10	Potash	10.00%	9.42%	

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
82	G and O Turf Food and Insecticide 10-6-4 with Chlordane	Nitrogen Nitrogen Potash	10.00%	7.95%	Available phosphoric acid not guaranteed
1637	G and O Turf Food and Insecticide 10-6-4		10.00%	8.03%	
1639	Muriate of Potash		60.00%	56.38%	
664	Gro-Green Products, Inc., Buffalo, N. Y. Gro Green All Organic	Available phosphoric acid		5.12%	Available phosphoric acid not guaranteed
666	Gro Green Weed-N-Feed 20-6-4	Available phosphoric acid	6.00%	4.70%	
1573	Halco Chemical Co., Kenilworth, N. J. Halco Blood and Bone Tankage	Available phosphoric acid		5.03%	Available phosphoric acid not guaranteed
412	Halco Grub Pruf Combine's Turf Food and Grub Control	Nitrogen Available phosphoric acid Potash		3.80% 6.04% None	
387	Heritage House Products, Inc., Philadelphia, Pa. Heritage House Extended Action Lawn Food 20-10-5	Nitrogen Potash	20.00%	19.25%	Guaranteed analysis not stated
272	Heritage House Lawn Food 20-10-10		10.00%	8.32%	
1289	High Point Mills, Inc., Henrietta, N. Y. Turf Line Triple Action Contains Bandane 7-4-2	Potash	2.00%	1.11%	Nitrogen not guaranteed
492	Homeside Florists, Centereach, N. Y. Our Own Homeside Turf Food 20-6-4	Nitrogen	20.00%	17.79%	
300	Hubbard-Hall Chemical Co., Waterbury, Conn. H H Blade Lawn Food 20-6-4	Nitrogen Nitrogen Nitrogen	20.00%	19.29%	Nitrogen not guaranteed
295	H H Dried Blood		5.00%	8.75%	
296	H H Nitrogran 5-4-0			4.55%	

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
	Hy-Trous Co. of Canada, Ltd., Cornwall, Ontario, Canada				
585	G.L.F. Quality Super Plant Food Granular 0-15-30	Potash	30.00%	28.74%	
586	G.L.F. Quality Super Plant Food Granular 5-20-20	Available phosphoric acid Nitrogen	20.00% 5.00%	19.23% 4.03%	
	International Minerals and Chemical Corp., Buffalo, N. Y., and Skokie, Ill.				
652	Rainbow Premium Plant Food 5-20-20	Potash	20.00%	19.27%	
651	Rainbow Premium Plant Food 8-24-8	Available phosphoric acid	24.00%	22.13%	
660	Rainbow Premium Plant Food 10-10-10	Nitrogen	10.00%	9.30%	
653	Rainbow Premium Plant Food 10-20-10	Nitrogen	10.00%	9.43%	
441	Ireland's Nursery, Oceanside, N. Y. Our Own Ireland's Nursery 20-6-4 Turf Food	Nitrogen	20.00%	18.14%	
338	Karp and Son, Morris, Farmingdale, N. Y. Borax Cauliflower Special Long Island Fertilizer 5-10-5	Borax equivalent		22.5 lb. per ton	Boron calculated as borax. Borax not guaranteed
437	M K S Fertilizer Commercial Grade 5-10-5	Potash	5.00%	3.06%	
182	Kentucky Valley Farms, Martinsville, N. J. Kentucky Valley's Weed and Feed 20-10-5	Nitrogen	20.00%	18.80%	
673	Lebanon Chemical Corp., Lebanon, Pa. Lebanon Cow Manure	Sand and inert matter		33.40%	Excessive in sand and inert matter
1503	Lebanon Fertilizer 5-10-10	Potash	10.00%	8.26%	
496	Lebanon Hi Organic 10-6-4	Potash	4.00%	3.53%	
351	Lebanon Plant Food 5-10-5	Potash	5.00%	4.47%	
674	Lebanon Sheep Manure	Sand and inert matter		34.01%	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
1646	Rose Food with Chelated Iron	Iron		0.947%	Iron not guaranteed
425	Lewis International Co., Maplewood, N. J. Lincor Dehydrated Cow Manure	Sand and inert matter		50.54%	Excessive in sand and inert matter. Poultry manure present—not guaranteed
147	Organic Garden Crest Cow Manure for Lawns, Gardens, Flowers, Trees and Shrubs	Sand and inert matter		30.49%	Excessive in sand and inert matter. Poultry manure present—not guaranteed
424	Peerless Cow Manure Dehydrated	Sand and inert matter		38.14%	Excessive in sand and inert matter. Poultry manure present—not guaranteed
1559	Lofts Pedigreed Seed Co., Jersey City, N. J. Lofts Lightweight Fertilizer 20-10-5	Nitrogen	20.00%	18.40%	
1539	Lombardi Brothers, Manhasset, L. I., N. Y. Lombardi's 10-6-4 with Ground Fish, Dried Blood, Cotton Seed Meal, Tankage, Boron, Potash, Plus Trace Elements	Nitrogen Boron	10.00%	9.43% 0.012%	Boron not guaranteed
1501	Long Island Farmers Fertilizer Corp., Mineola, N. Y. New Super Turf 20-10-5	Potash	5.00%	4.30%	
388	Malverne Nurseries, Malverne, N. Y. Malverne Nurseries 20-6-4 Turf Food	Nitrogen	20.00%	17.93%	
573	Mathieson Chemical Corp., Olin, Baltimore, Md. Mathieson 0-20-20 Pelleted Fertilizer	Potash	20.00%	18.87%	

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
1263	Mathieson 0-20-20 Pelleted Fertilizer	Available phosphoric acid Potash	20.00% 20.00%	19.13% 18.50%	
513	Montgomery Ward and Co., Chicago, Ill. Garden Mark Complete Lawn Food 10-6-4	Nitrogen	10.00%	8.89%	
1726	Natural Plant Food Co., Oklahoma City, Okla. Ramshorn Brand Sheep Manure	Potash	2.00%	1.76%	
393	North Massapequa Nurseries, North Massapequa, L. I., N. Y. North Massapequa Nurseries 12-6-4 Merion Blue Fertilizer	Nitrogen	12.00%	11.37%	
129	Ohio Woodville Co., Woodville, Ohio General Purpose Lime Ohio Hydrated Lime	Calcium oxide Magnesium oxide	46.95% 33.98%	44.20% 30.17%	
184	Organic Compost Corp., Oxford, Pa. Cow Manure	Sand and inert matter		48.27%	Excessive in sand and inert matter
48	Fertic Sheep Manure Compost	Sand and inert matter		43.84%	Excessive in sand and inert matter
808	Pallete Stone Corp., Saratoga Springs, N. Y. Saratoga Ground Limestone	Calcium oxide	30.00%	27.32%	
1576	Penn Valley Co., Kunkletown, Pa. Penn Valley Dehydrated Animal Manure	Potash	0.75%	0.01%	
1627	Pollak and Co., Inc., Henry A., Hicksville, N. Y. Hapco Better Organic Lawn Builder 100% Organic Nitrogen 10-6-4	Nitrogen	10.00%	8.93%	
417	Hapco Better Organic 100% Organic Nitrogen Lawn Builder 10-6-4	Nitrogen	10.00%	9.37%	

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
199	Pollak's Better Crop Fertilizer 6-12-6	Magnesium	2.00%	1.19%	
406	Price Co., Inc., Warner, Smyrna, Del. 10-6-4 Delgreen Lawn and Turf Food 50% Organic Nitrogen	Nitrogen Available phosphoric acid	10.00% 6.00%	8.65% 5.34%	
405	10-6-4 Marva Green Lawn Food 100% Organic Nitrogen	Nitrogen	10.00%	9.00%	
1731	Professional Turf Products Co., Mt. Kisco, N. Y. Professional Turf Food 10-5-5	Nitrogen	10.00%	8.84%	
589	Royster Guano Co., F. S., Norfolk, Va. Royster Arrow 5-20-20	Available phosphoric acid	20.00%	18.90%	
551	Royster Arrow 10-20-20	Potash	20.00%	19.19%	
549	Royster Arrow 16-8-8	Nitrogen	16.00%	14.09%	
1238	Royster Vim 8-16-16	Potash	16.00%	14.29%	
1239	Royster Vim 10-10-10	Nitrogen	10.00%	8.72%	
489	St. Louis National Stockyards Co., National Stockyards, Ill. Wizard Pulverized Sheep Manure	Nitrogen Potash Sand and inert matter	2.00% 2.00%	1.75% 1.49% 31.31%	Excessive in sand and inert matter
1736	Science Products Co., Inc., Chicago, Ill. Garden-Life Soluble Plant Food	Nitrogen Available phosphoric acid	10.00%	8.89% 53.50%	Available phosphoric acid not guaranteed
208	Seaboard Seed Co., Philadelphia, Pa. Seaboards Lawn and Plant Food 20-10-5	Nitrogen	20.00%	19.11%	

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
226	Sears, Roebuck and Co., Chicago, Ill. Cross Country Bone Meal Cross Country Bulb Food 4-12-8 Cross Country Early Season Crabgrass Killer and Fertilizer 10-6-1 Cross Country Evergreen Food 10-6-4 Cross Country Merion Bluegrass Lawn Food 20-10-5 Cross Country Organic Sheep Manure Compost	Nitrogen	2.00%	1.22%	
269		Potash	8.00%	6.85%	
266		Available phosphoric acid			
270		Nitrogen	6.00%	5.34%	
229			10.00%	9.38%	
232	Sears, Roebuck and Co., Plant Food 5-10-5	Potash	5.00%	3.24%	Excessive in sand and inert matter. Cow manure present—not guaranteed
		Sand and inert matter		50.98%	
223	Sidley Distributing Co., Westbury, L. I., N. Y. Lawrite All Purpose Plant Food for Lawns and Gardens 5-10-5	Nitrogen	5.00%	4.51%	
189		Potash	5.00%	4.20%	
245	Smith-Douglass Co., Inc., Norfolk, Va. Nutro Azalia-Camellia Evergreen Food Nutro Crabgrass Killer and Lawn Food 12-4-4 Nutro Supreme Lawn Food 15-5-5 Nutro Weed and Feed Lawn Food 15-5-5	Available phosphoric acid			Available phosphoric acid not guaranteed
488		Nitrogen	12.00%	8.14%	
681		Potash	4.00%	11.41%	
247		Nitrogen	15.00%	3.47%	
			15.00%	14.46%	
				14.21%	
1551	Sochacki's Garden Sales, Roosevelt, L. I., N. Y. Sochacki's Professional 12-12-12 Sochacki's 10-6-4 with Ground Fish, Dried Blood, Cottonseed Meal, Tankage, Boron, Potash	Potash	12.00%	11.00%	
435		Nitrogen	10.00%	9.05%	

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
	Stables Toy Mart and Garden Center, Inc., The, Babylon, N. Y.				
449	Stables Own 20-6-4 Turf Food 55% Ureaform	Nitrogen	20.00%	18.13%	
450	The Stables Premium 10-6-4 100% Organic Nitrogen with Fish Meal and Uramite	Nitrogen	10.00%	9.29%	
	Sudbury Laboratory, Sudbury, Mass.				
397	Sudbury Unit Y Taylor Made Fertilizer Phosphorus	Available phosphoric acid		46.30%	Available phosphoric acid not guaranteed
	Swiss Farms, Inc., Philmont, N. Y.				
357	Swiss Farms Fertisoil 0.10-0.15-0.10	Potash	0.10%	0.02%	
	Terre Co. of New Jersey, The, Saddle Brook, N. J.				
1714	Terre Organo	Total phosphoric acid Available phosphoric acid	9.00%	7.63% 4.73%	Available phosphoric acid not guaranteed
	Terre Gardenspurr 5-10-10 with Trace Elements	Boron Manganese	0.040% 0.400%	0.004% 0.017%	
	Terry and Co., George S., Brockport, N. Y.				
690	Terryblend Granular Plant Food 5-10-15	Potash	15.00%	13.46%	
684	Terryblend Granular Plant Food 6-12-6	Nitrogen	6.00%	5.02%	
		Potash	6.00%	4.45%	
688	Terryblend Granular Plant Food 6-12-12	Nitrogen	6.00%	5.07%	
683	Terryblend Granular Plant Food 8-16-16	Nitrogen	8.00%	6.41%	
687	Terryblend Granular Plant Food 10-20-10	Potash	10.00%	9.31%	
685	Terryblend Granular Plant Food 10-20-20	Potash	20.00%	18.79%	
689	Terryblend Granular Plant Food 12-12-12	Available phosphoric acid Potash	12.00% 12.00%	10.98% 10.00%	
	Thomas Flower Mart, Inc., Syosset, L. I., N. Y.				
371	Indoor Plant Food 8-12-4	Nitrogen	8.00%	7.31%	

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
493 494	Tree World Inc., East Northport, N. Y. Our Own Tree World Lawn Food 10-6-4 Our Own Tree World Turf Food 20-6-4	Nitrogen Nitrogen	10.00% 20.00%	9.48% 18.00%	
1557	Universal Chemical Co., Inc., West Lynn, Mass. Electra Plant Food Highly Organic	Available phosphoric acid		10.17%	Available phosphoric acid not guaranteed
1240 1269 1299	Upton-Rich Corp., Savannah, N. Y. Gran-U-Phos 10-10-10 Gran-U-Phos 10-20-20 Gran-U-Phos 12-12-12	Potash Available phosphoric acid Available phosphoric acid	10.00% 20.00% 12.00%	7.89% 18.38% 10.16%	
426 428	Vaughan's Seed Co., Downers Grove, Ill. and Bound Brook, N. J. Vaughan's Feeder Weeder 20-10-5 Plus 2, 4-D Vaughan's Turf-Lite Lawn Food 20-10-5	Nitrogen Iron	20.00%	16.82% 0.253%	Iron not guaranteed
335	Virginia-Carolina Chemical Corp., Baltimore, Md. Cauliflower Fish and Borax Granulated 5-10-5	Borax equivalent	2.0 lb. per ton	30.6 lb. per ton	Boron calculated as borax
506 507 1222 1219 1221 508 71 505 602	V C Fertilizer 0-15-30 V C Fertilizer 0-20-20 V C Fertilizer 5-10-5 V C Fertilizer 8-16-8 V C Fertilizer 10-10-10 V C Fertilizer 8-16-16 Granulated V C Fertilizer 10-6-4 Granulated V C Fertilizer 10-10-10 Granulated V C Granulated 10-20-20	Available phosphoric acid Available phosphoric acid Magnesium oxide Nitrogen Nitrogen Potash Nitrogen Nitrogen Nitrogen Available phosphoric acid Available phosphoric acid	15.00% 20.00% 3.00% 8.00% 10.00% 16.00% 10.00% 10.00% 10.00% 20.00% 8.00%	14.18% 19.32% 1.95% 7.42% 9.38% 15.05% 9.28% 9.18% 8.35% 16.95% 14.94% 6.62%	
601	V C Harvest King 16-8-8	Nitrogen			

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
275	Warren's Turf Nursery, Palos Park, Ill. Warren's Warranted Lawn Food 10-8-4	Nitrogen	10.00%	8.81%	
205	Williamson, Inc., Garfield, Jersey City, N. J. Wonderlawn Dub'l Duty Feeds and Weeds 16-8-4	Nitrogen	16.00%	13.70%	
202	Wonderlawn Turf Culture Food 20-10-5	Nitrogen	20.00%	18.97%	
391	Woodbury Garden Center, Woodbury, L. I., N. Y. Woodbury Garden Center 20-6-4	Nitrogen	20.00%	18.15%	

TABLE V—LIME (OXIDES), HYDRATED LIME (HYDROXIDES), AND LIMESTONE CARBONATES
JAN. 1, 1963 TO DEC. 31, 1963

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than			
		%	%	100 Mesh	60 Mesh	20 Mesh	10 Mesh
Allied Chemical Corp., Solvay Process Div., New York, N. Y.							
Solvay Pulverized Limestone	1284	G 49.30 ¹ F 49.32	1.70 1.79	— 57.0	— 73.4	— 100.0	— 100.0
Balducci Crushed Stone Co., Gouverneur, N. Y.							
Balducci Pulverized White Limestone 95% to 99% Total Carbonates	504	G 40.00 F 42.78	10.00 9.50	— 47.5	— 63.5	— 88.6	— 99.5
Batten Kill Stone, Inc., Middle Falls, N. Y.							
Agricultural Lime	809	G 31.60 F 30.42	6.00 12.13	— 56.8	— 75.7	— 100.0	— 100.0
Callanan Road Improvement Co., South Bethlehem, N. Y.							
Calco Agricultural Limestone	803	G 45.85 F 43.94	3.00 3.39	— 65.9	— 85.6	— 100.0	— 100.0
Colarusso and Son, Inc., A., Hudson, N. Y.							
Agricultural Limestone	804	G 49.30 F 48.64	0.70 0.89	— 78.5	— 96.6	— 100.0	— 100.0
Colonial Horticultural Supply Co., Jamaica, N. Y.							
Colonial Limestone for Lawns, Gardens, Flowers, Compost	363	G 40.96 F 43.11	2.87 4.71	— 73.5	— 92.8	— 100.0	— 100.0

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

TABLE V—Cont'd—LIME (OXIDES), HYDRATED LIME (HYDROXIDES), AND LIMESTONE CARBONATES
JAN. 1, 1963 TO DEC. 31, 1963

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than			
		Calcium	Magnesium	100 Mesh	60 Mesh	20 Mesh	10 Mesh
		%	%				
Conklin Limestone Co., Inc., The, Canaan, Conn.							
Conklin Lawn and Garden Dolomite Lime- stone Soil Sweetener	311	G 28.00 ¹ F 28.86	18.00 20.07	— 48.5	— 77.3	— 100.0	— 100.0
Lawn and Garden Hi-Mag Limestone	315	G 28.00 F 27.53	18.00 17.45	— 56.8	— 86.2	— 100.0	— 100.0
Coop. G-L.F. Exchange, Inc., Soil Building Div., Ithaca, N. Y.							
Squire Applegate Groleaf Pulverized Lime- stone	619	G 42.00 F 44.98	2.00 4.78	— 83.4	— 96.6	— 100.0	— 100.0
Corson, Inc., G. and W. H., Plymouth Meeting, Pa.							
Corson's Air Floated Dolomitic Limestone (Pulverized)	36	G 29.00 F 29.33	21.00 20.95	— 76.1	— 83.7	— 98.3	— 100.0
Corson's Lime High Manganese A Super Hydrate	37	G 45.00 F 45.12	30.00 33.39	— 95.4	— 100.0	— 100.0	— 100.0
Farber White Limestone Co., Franklin, N. J.							
Farber Sno-White Dolomitic Agricultural Limestone	166	G 36.00 F 41.23	8.00 10.99	— 52.3	— 78.5	— 100.0	— 100.0

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Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than			
		Calcium	Magnesium	100 Mesh	60 Mesh	20 Mesh	10 Mesh
		%	%				
Sno-White Brand High Grade Pulverized Limestone for Lawns and Gardens	118	G 36.00 ¹	8.00	—	—	—	—
		F 35.82	15.92	49.4	69.8	99.9	100.0
Frontier Stone Products, Inc., Lockport, N. Y. Standard Ground Dolomitic Limestone	695	G 25.00	18.00	—	—	—	—
		F 28.11	19.10	64.6	82.1	100.0	100.0
Superfine Ground Dolomitic Limestone	696	G 25.00	18.00	—	—	—	—
		F 28.53	18.19	67.9	81.2	100.0	100.0
Superfine Ground Dolomite Limestone	1272	G 25.00	25.02	—	—	—	—
		F 30.73	18.36	98.2	100.0	100.0	100.0
General Crushed Stone Co., Easton, Pa. Fossil Brand Agricultural Ground Limestone	595	G 52.00	1.00	—	—	—	—
		F 50.23	1.16	72.4	84.9	100.0	100.0
Halstead Distributing Corp., Mt. Kisco, N. Y. Just Right Pulverized Limestone	1717	G 42.00	2.00	—	—	—	—
		F 46.86	3.52	81.7	95.1	100.0	100.0
Hoffman, Inc., A. H., Landisville, Pa. Hoffman Horticultural Hydrated Lime	76	G 60.00	1.00	—	—	—	—
		F 66.04	1.00	96.8	100.0	100.0	100.0

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TABLE V—Cont'd—LIME (OXIDES), HYDRATED LIME (HYDROXIDES), AND LIMESTONE CARBONATES
JAN. 1, 1963 TO DEC. 31, 1963

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than				
		Calcium	Magnesium	100 Mesh	60 Mesh	20 Mesh	10 Mesh	
		%	%					
Hubbard-Hall Chemical Co., Waterbury, Conn.								
H H Hydrated Lime	288	G 43.00 ¹ F 42.21	28.00 28.20	— 80.0	— 97.4	— 100.0	— 100.0	
Lee Lime Corp., Lee, Mass.								
Lee ABC All Purpose Hydrated Finishing Lime	243	G 43.00 F 41.42	28.00 29.49	— 88.0	— 100.0	— 100.0	— 100.0	
Lee Hi Mag Fine Ground Limestone	2022	G 30.00 F 30.53	20.00 20.78	— 53.3	— 82.7	— 99.3	— 99.9	
Lee Lawn & Garden Lime for Lawns, Gar- dens, Composts	512	G 40.00 F 40.21	9.00 10.81	— 86.4	— 94.8	— 99.8	— 100.0	
Tobey Agra Hydrate	810	G 35.00 F 35.70	25.00 26.04	— 63.1	— 86.5	— 100.0	— 100.0	
Limestone Products Corp. of America, Newton, N. J.								
Garden State Limestone for Lawns, Gardens, Flowers, Composts	179	G 42.00 F 48.03	2.00 3.45	— 87.6	— 95.3	— 100.0	— 100.0	
Lime Crest Garden Calcite	1538	G 42.00 F 46.86	2.00 4.30	— 90.1	— 97.7	— 100.0	— 100.0	
Masick Soil Conservation Co., Middleburgh, N. Y.								

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Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than			
		Calcium	Magnesium	100 Mesh	60 Mesh	20 Mesh	10 Mesh
Legume Life Lime	805	% G 52.50 ¹ F 49.95	% 0.50 0.31	— 42.2	— 61.3	— 100.0	— 100.0
Millard Lime and Stone Co., H. E., Annville, Pa.							
Air Floated Pulverized Limestone for Home and Garden	186	G 53.50 F 53.79	0.50 0.58	— 94.9	— 98.8	— 100.0	— 100.0
National Gypsum Co., Buffalo, N. Y.							
Gold Bond Hydrated Lime for Agricultural Use	676	G 72.00 F 71.92	0.50 0.48	— 100.0	— 100.0	— 100.0	— 100.0
New England Lime Co., Canaan, Conn.							
Agricultural Limestone	277	G 30.00 F 30.08	21.00 21.06	— 73.4	— 91.0	— 100.0	— 100.0
Nelco Limestone for Greener Gardens, Lawns, Trees	278	G 53.00 * F 54.28 *	42.00 * 43.54 *	— 81.8	— 94.6	— 100.0	— 100.0
Northeast Garden Sales, Niskayuna, N. Y.							
Northeast Lawn and Garden Lime	807	G 45.85 F 44.56	3.00 3.03	— 51.7	— 76.8	— 100.0	— 100.0
Ohio Woodville Co., Woodville, Ohio							
General Purpose Lime Ohio Hydrated Lime	129	G 46.95 F 44.20	33.98 30.47	— 99.6	— 100.0	— 100.0	— 100.0

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* Expressed as calcium carbonate and magnesium carbonate

TABLE V—Cont'd—LIME (OXIDES), HYDRATED LIME (HYDROXIDES), AND LIMESTONE CARBONATES
JAN. 1, 1963 TO DEC. 31, 1963

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than			
		Calcium	Magnesium	100 Mesh	60 Mesh	20 Mesh	10 Mesh
		%	%				
Palette Stone Corp., Saratoga Springs, N. Y.	808	G 30.00 ¹	14.00	—	—	—	—
Saratoga Ground Limestone		F 27.32	13.93	85.7	97.1	100.0	100.0
Professional Turf Products Co., Mt. Kisco, N. Y.	301	G 38.00	5.00	—	—	—	—
Professional Ground Limestone Turf and Garden Use		F 39.36	11.23	90.6	96.2	100.0	100.0
Swiss Farms, Inc., Philmont, N. Y.	242	G 28.00	18.00	—	—	—	—
Swiss Farms Horticultural Finely Ground Limestone		F 29.52	20.82	47.0	75.8	100.0	100.0
United States Gypsum Co., Chicago, Ill.	364	G 70.00	Trace	—	—	—	—
U.S.G. Red Top General Purpose Hydrated Lime		F 72.16	0.68	100.0	100.0	100.0	100.0
Universal Marble Products Corp., Thornwood, N. Y.	248	G 25.00	17.00	—	—	—	—
Agri-Lime for Lawns, Gardens, Plants		F 28.68	18.57	8.9	21.7	86.2	100.0
Warner Company, Philadelphia, Pa.	1514	G 72.00	0.70	—	—	—	—
Warner Bell Mine Hydrated Lime High Calcium		F 69.02	1.87	100.0	100.0	100.0	100.0

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TABLE V—Cont'd—LIME (OXIDES), HYDRATED LIME (HYDROXIDES), AND LIMESTONE CARBONATES
JAN. 1, 1963 TO DEC. 31, 1963

Name and Address of Manufacturer or Jobber and Brand or Trade Name	Sample Number	Calcium and Magnesium Expressed as Oxides		Percentage of Particles Smaller Than			
		Calcium	Magnesium	100 Mesh	60 Mesh	20 Mesh	10 Mesh
Warner High Magnesium Limestone Pul- verized	455	%	%				
		G 29.00 ¹	21.00	—	—	—	—
Warner Limoid High Magnesium Hydrated Lime	165	F 28.89	21.14	81.7	89.7	100.0	100.0
		G 45.50	32.00	—	—	—	—
Warren Limestone Co., Oxford, N. J. Lawn and Garden Limestone	143	F 44.45	33.10	85.0	98.2	100.0	100.0
		G 40.00	1.00	—	—	—	—
		F 41.70	6.21	64.3	80.8	100.0	100.0

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