

Commercial
FEEDING STUFFS
1958 Report on Inspection

H. J. FISHER
Chief Chemist

Bulletin 625
August 1959



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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1958

H. J. FISHER¹

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law.

The enforcement provisions of the statute are delegated to the Food and Drug Commissioner.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

REGULATIONS

REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 22-112)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

¹Analyses are by Mr. O. L. Nolan (deceased), Mr. Richard Merwin, Mr. Werner Mueller, Mr. Raymond West, Mr. Walter Oliver, Miss Helen Kocaba and Miss Sunrae Agostini; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. R. Richard Nichols. Compilations by Miss Eleanor Hopcraft.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

REGULATION 2. METHOD OF LABELLING (Sec. 22-113)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold, (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registrations is (1) name of product; (2) vitamin D potency in terms of A. O. A. C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A. O. A. C. chick unit is the vitamin D activity produced by one U.S. Pharmacopoeia unit of vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If sold exclusively for one or the other of these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND DEALERS WITH REFERENCE TO REGISTRATION (Sec. 22-114)

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with the Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registrations, registration fees and other legal requirements.

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW AND OF OTHER TERMS

Person. The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

Importer. The term "importer" is defined in the act.

Brand. It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

Definitions for Feeding Stuffs. The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS (Sec. 22-113)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of

substances possessing, or claimed to possess, medicinal or conditional properties; nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e. g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.

REGISTRATIONS

For the period January 1, 1958 to December 31, 1958, 204 firms registered 1,618 brands of feedingstuffs, and 27 firms registered 76 brands of vitamin carriers.

ACME-EVANS CO. INC., 902 W. Washington Ave., Indianapolis 9, Ind.

Acme Wheat Bran
Acme Wheat Standard Middlings
Acme Yellow Hominy

ALBERS MILLING CO., 5045 Wilshire Blvd., Los Angeles 36, Calif.

Albers Calf Manna
Albers Rabbit Breeder Ration
Albers Rabbit Family Ration
Albers Rapid-Ade
Albers Suckle

ALLIED CHEMICAL CORP., Nitrogen Div., P. O. Drawer 61, Hopewell, Va.

"ARCADIAN" Urea Feed Mixture
"PROCADIAN" "275" Urea Feed Mixture

ALLIED MILLS, INC., 3400 Board of Trade Bldg., Chicago, Ill.

Sucrene 16% Dairy "E"
Sucrene 16% Dairy "P"
Sugarine 16% Dairy "E"
Wayne All Mash Egg
Wayne 14% All Mash Turkey Finisher
Wayne 14% All Mash Turkey Finisher Medicated
Wayne 18% All Mash Turkey Grower
Wayne 18% All Mash Turkey Grower Medicated
Wayne 22% All Mash Turkey Grower
Wayne 22% All Mash Turkey Grower Medicated
Wayne Breeder Medicated
Wayne Broiler Feed (156) Medicated
Wayne Broiler Feed (157) Medicated Glycarbylamide
Wayne Broiler Feed (157) Medicated Nicarbazin
Wayne Calf Grower
Wayne Calfnip
Wayne Calf Starter "A"
Wayne Calf Supplement
Wayne Chick Feed
Wayne Chick Starter (132) Medicated
Wayne Chick Starter (133) Medicated Glycarbylamide
Wayne Chick Starter (133) Medicated Nicarbazin
Wayne Complete Egg Medicated
Wayne 16% Dairy
Wayne 20% Dairy
Wayne 24% Dairy "E"
Wayne Dairy Mixer
Wayne Dienestrol Diacetate(Lipamone(R)) 3-Nitro-4-hydroxyphenylarsonic acid & Nicarbazin Mixture Incorp. in Wayne 16% Finishing Feed
Wayne Egg Medicated
Wayne 26% Egg & Breeder
Wayne Egg Producer "E"
Wayne Fattening Pellets (161) Medicated

ALLIED MILLS, INC., 3400 Board of Trade Bldg., Chicago, Ill. - Cont.

Wayne Fattening Pellets (162) Medicated
 Wayne 16% Finishing Feed Medicated
 Wayne Fitting Ration
 Wayne Grower
 Wayne Hog Balancer
 Wayne Horse Feed
 Wayne Medicated H-A-D (170)
 Wayne Medicated H-A-D (171)
 Wayne Medicated H-A-D (172)
 Wayne Medicated Stress Diet (175)
 Wayne Medicated Stress Diet (176)
 Wayne Mink Meal
 Wayne Pip-Z Poultry Wormer Medicated
 Wayne Pork Maker
 Wayne Pullet Builder
 Wayne Rabbit Ration
 Wayne Rocket Broiler Finisher (196) Medicated Glycarbylamide
 Wayne Rocket Broiler Finisher (196) Medicated Nicarbazin
 Wayne Rocket Broiler Starter (186) Medicated Glycarbylamide
 Wayne Rocket Broiler Starter (186) Medicated Nicarbazin
 Wayne Starter & Grower "E"
 Wayne Starter & Grower "E" (136E) Medicated Glycarbylamide
 Wayne Starter & Grower "E" (136E) Medicated Nicarbazin
 Wayne Sweet Bulky Feed "E"
 Wayne Tail Curler Medicated
 Wayne Test Cow Ration
 Wayne Turkey Breeder
 Wayne Turkey Breeder Medicated
 Wayne Turkey Developer (225) Medicated
 Wayne Turkey Developer (226) Medicated
 Wayne Turkey Developer (227) Medicated
 Wayne Turkey Developer (228) Medicated
 Wayne Turkey Finisher
 Wayne Turkey Finisher Medicated
 Wayne Turkey Grower
 Wayne Turkey Grower Medicated
 Wayne Turkey Pre-Starter (220) Medicated
 Wayne Turkey Pre-Starter (221) Medicated
 Wayne Universal Breeder Medicated
 Wayne Universal Egg Medicated
 Wayne Universal Grower
 Wayne Universal Grower (144) Medicated Glycarbylamide
 Wayne Universal Grower (144) Medicated Nicarbazin
 Wayne Universal Turkey Grower
 Wayne Universal Turkey Grower Medicated

AMERICAN CRYSTAL SUGAR CO., 600 Boston Bldg., Denver, Colo.

Dried Beet Pulp with Beet Molasses
 Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P. O. Box 383, Princeton, N. J.

Arsanilic Acid 20%
 Arzene Premix 4%
 Choline Chloride 25%
 Enheptin-A Premix 15%
 Megasul 25%

AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave., New York 17, N. Y.

Amaizo Corn Oil Meal
 Amaizo Gluten Meal
 Cream of Corn Gluten Feed

ARCHER-DANIELS-MIDLAND CO., 600 Roanoke Bldg., Minneapolis 2, Minn.

Archer Quality 34% Protein Linseed Oil Meal - Solvent Extracted
 Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal
 Archer Quality 50% Protein Dehulled Solvent Extracted Soybean Oil Meal

ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

B & W CANNING COMPANY, INC., Groveland, Fla.

B'n W brand Dried Citrus Pulp

BARBER & BENNETT, INC., Albany, N. Y.

Fort Orange All Mash Grower
 Fort Orange All Mash Layer
 Fort Orange Chick Starter Medicated
 Fort Orange 16% Dairy Ration
 Fort Orange 12% Fitting & Freshening Ration
 Fort Orange Golden Test Ration
 Fort Orange Laying Mash
 Fort Orange Special Test Ration

BAY STATE MILLING CO., Winona, Minn.

Wingold Standard Hard Wheat Middlings & Wheat Screenings

THE BEACON MILLING CO., INC., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.

(See also Vitamin Carriers)

Auburn "16" Dairy Ration
 Auburn "20" Dairy Ration
 Auburn "14" Fitting Ration
 Beacon "24"
 Beacon Balancer Pellets
 Beacon Beef Creep & Fitting Ration
 Beacon Breeder All-Mash
 Beacon Breeders Mash
 Beacon Broiler Finisher
 Beacon Broiler Finisher GYA Medicated
 Beacon Broiler Finisher NCA Medicated
 Beacon C-C Pellets
 Beacon Calf Grow
 Beacon Calf Starter
 Beacon Cape-Roaster Finisher GY Medicated
 Beacon Cape-Roaster Finisher NC Medicated
 Beacon "15" Coarse Test Cow Ration
 Beacon Complete Rabbit Pellets
 Beacon Complete Starter
 Beacon Complete Starter GY Medicated
 Beacon Complete Starter NC Medicated
 Beacon Dairy Breeder Pellets
 Beacon Dairy Fitting
 Beacon "15" Dairy Ration

THE BEACON MILLING CO., INC., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y. - Cont.

Beacon "16" Dairy Ration
 Beacon "20" Dairy Ration
 Beacon Duck Breeder
 Beacon Duck Grower-Finisher
 Beacon Duck Starter
 Beacon "22" Egg Mash
 Beacon Goat Ration
 Beacon Grower All-Mash
 Beacon Grower All-Mash GY Medicated
 Beacon Grower All-Mash NC Medicated
 Beacon "18" Growing Mash
 Beacon Hi-Energy Test Pel-ets
 Beacon High Vitamin D₂ Mix - Incorporated in Be-Co-D
 Beacon Hog Finisher Pellets
 Beacon Hog Grower Medicated
 Beacon Hog Supplement
 Beacon Horse Feed
 Beacon Keep Sweet Silage Preservative
 Beacon Market Egg All-Mash
 Beacon Medicated Control Mash SQ
 Beacon Medicated Poultry Mix 2 CT
 Beacon Medicated "20" Turkey Grower AC-AN
 Beacon Milk Check "16" Dairy Ration
 Beacon Milk Check "20" Dairy Ration
 Beacon Milk Check Fitting Ration
 Beacon "30" Mixer
 Beacon Pig Grower Pellets Medicated
 Beacon Poultry Finisher with Dienestrol Diacetate & Nicarbazin
 Beacon Poultry Finisher GY Medicated
 Beacon Poultry Fitting
 Beacon Sodium Propionate Mixture - Mixed with Beacon Dairy Fitting Ration
 Beacon Sow Feed Medicated
 Beacon Starter-Broiler
 Beacon Starter-Broiler 1CT-NCA Medicated
 Beacon Starter-Broiler GYA Medicated
 Beacon Starter-Broiler NCA Medicated
 Beacon Sweet "16" Dairy Ration
 Beacon Test Cow "14" Ration
 Beacon Test Cow "16" Ration
 Beacon Test Cow "18" Ration
 Beacon Turkey & Game Bird Breeder
 Beacon Turkey & Game Bird Fitting
 Beacon "22" Turkey & Game Bird Grower
 Beacon Turkey & Game Bird Starter
 Beacon Turkey Breeder All-Mash
 Beacon Turkey Finisher All-Mash
 Beacon Turkey Finisher All-Mash 4N Medicated
 Beacon "20" Turkey Grower
 Beacon "20" Turkey Grower H Medicated
 Beacon "22" Turkey Grower 4N Medicated
 Beacon Turkey Starter SQA Medicated
 Beacon Worm Mash
 Be-Co Grower
 Be-Co Grower GY Medicated
 Be-Co Grower NC Medicated
 Be-Co-Lass
 Be-Co Layer

THE BEACON MILLING CO., INC., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y. - Cont.

Be-Co Nurse Milk Replacer
 Bulky Green

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco Booster Crumbles
 Nibco Crate Fattener
 Nibco 18% Dairy Ration
 Nibco Fitting Ration
 Nibco Five Star Roaster Feed
 Nibco Five Star Roaster NIC Feed
 Nibco Five Star Super Starter
 Nibco Five Star Weight Maker
 Nibco Five Star Weight Maker NIC
 Nibco High Energy Laying & Growing Mash
 Nibco Scratch Feed

THE BLOOMFIELD FARMERS' EXCHANGE INC., Bloomfield, Conn.

Bloomfield 16% Dairy Ration

THE BORDEN CO., Special Products Div., 350 Madison Ave., New York, N. Y.

(See also Vitamin Carriers)

Borden's Dry D
 Borden's M R B Milk Replacer Base
 Flaydry Poultry Feed Supplement

BROOKLAWN GRAIN & FEED CO., 321 Sylvan Ave., Bridgeport, Conn.

Brooklawn Egg Mash
 Brooklawn Sweet Mix

BROWN-FORMAN DISTILLERS CORP., 1908 Howard St., Louisville, Ky.

B-F Corn Distillers Dried Grains
 B-F Corn Distillers Dried Solubles

THE BUCKEYE COTTON OIL DIV. of The Buckeye Cellulose Corp., Cincinnati, Ohio

Buckeye 41% Protein Solvent Extracted Cottonseed Meal with added Hydrolyzed Cottonseed Oil
 Buckeye 44% Protein Solvent Extracted Soybean Oil Meal
 Buckeye 50% Protein Dehulled Solvent Extracted Soybean Oil Meal

BUCKEYE SUGARS INC., Ottawa, Ohio

Registered by Mowat, Wilson & Co., Detroit, Mich.
 Dried Beet Pulp

CALVERT DISTILLERS LIMITED, Amherstburg, Canada

Corn Distiller's Dried Grains

CAMDEN GRAIN CO., 1709 Kossuth St., Camden, N. J.

Camden Brand Dried Brewers Grain

THE C. W. CAMPBELL CO., Pawcatuck, Conn.

Best Pig and Hog Ration
 Camco Horse Feed
 16% Coarse Dairy Ration
 14% Dairy Ration
 16% Dairy Ration
 18% Dairy Ration
 Economical Stock Feed
 Egg-O Grower
 Egg-O Hi-Calorie Complete Layer
 Egg-O Laying Mash
 Egg-O Special Broiler
 12% Fitting Ration
 Medicated Egg-O Special Broiler
 Medicated Egg-O Special Broiler Finisher
 Medicated Egg-O Special Broiler Prime Finisher
 Sheep and Goat Feed
 Sulfaquinoxaline Egg-O Chick Starter Ration
 The Campbell Co. Milk Replacer

THE CANADA LINSEED OIL MILLS, LTD., 2215 Notre Dame East, Montreal, Canada

"Maple Leaf" Brand Linseed Oilcake Meal

THE A. B. CAPLE CO., Toledo, Ohio

Alfalfa Crumbles
 17% Capex Dehydrated Alfalfa Meal

CARGILL, INCORPORATED, 200 Grain Exchange, Minneapolis, Minn.

Cargill, Inc. 34% Protein Solvent Extracted Linseed Oil Meal
 Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal

CARLING BREWING CO., 9400 Quincy Ave., Cleveland 6, Ohio

Carling Dried Brewers Grains

CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N. INC., 10 Apel Pl., Manchester, Conn.

(See also Vitamin Carriers)

Honest Brand Aureomycin Mix 100 grams
 Honest Brand Aureomycin Mix 200 grams
 Honest Brand Complete Breeder Mash
 Honest Brand Complete Ration High Energy Growing Mash
 Honest Brand Complete Ration High Energy Growing Mash with SQ
 Honest Brand Complete Ration High Energy Laying Mash
 Honest Brand Nu Weigh-Hi Broiler Mash Nicarbazine Mixture
 Honest Brand Nu Weigh-Hi Finisher Mash
 Honest Brand Nu Weigh-Hi Starter Mash Sulfaquinoxaline Mixture

CENTRAL SOYA CO., INC., Ft. Wayne, Ind.

Thrifty-Fifty

CITRUS FEED CO., P.O. Box 513, Lakeland, Fla.

Florida Crest All Sweet Dried Citrus Pulp
 Fosgate's Ace High All Sweet Dried Citrus Pulp
 Howard's Veribest Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

Clinton 21% Protein Corn Gluten Feed
 Clinton 41% Protein Corn Gluten Meal
 Clinton CFS Concentrate No. 3

CLYDE MILLING CORP., 15 Sodus St., Clyde, N. Y.

Clyde C-M-C 30 Dairy Mixing Ration
 Clyde Booster 16 Dairy Ration
 Clyde Complete Layer & Grower Mash
 Clyde Complete Rabbit Pellets
 Clyde Dry & Freshening Ration
 Clyde Grow-Rite Complete Pullet Ration
 Clyde H-E Broiler Mash Medicated
 Clyde H-E Complete Breeder Mash
 Clyde H-E Complete Layer and Grower Mash
 Clyde Hi-Cal-Re Complete Layer & Grower
 Clyde Horse Feed
 Clyde Life Span 15
 Clyde Meat Bird Finisher Pellets Medicated
 Clyde Medicated Complete Calf Starter
 Clyde Milk-Flo 16
 Clyde R. S. 10 (A Roughage Supplement)
 Clyde Super Egg Mash
 Clyde Test Cow 16
 Clyde Test Cow 18
 Corn Gluten Feed
 Dried Apple Pomace
 Hominy Feed
 Linseed Oil Meal (Solvent Extracted)
 Soybean Oil Meal (Solvent Extracted)
 Warren's Dairy Fitting Ration (Mfd. for William S. Warren & Son, Eastford, Conn.)
 Warren's 16 Dairy Ration (Mfd. for William S. Warren & Son, Eastford, Conn.)
 Warren's Laying Mash (Mfd. for William S. Warren & Son, Eastford, Conn.)
 Wheat Bran

COCKE and CO., 208 William-Oliver Bldg., Atlanta 3, Ga.

Suni-Citrolas (Mfd. by Suni-Citrus Products Co., Haines City, Fla.)
 Sweet Suni-Citrus Pulp (Mfd. by Suni-Citrus Products Co., Haines City, Fla.)

COLBY COOPERATIVE STARCH CO., Box 27, Caribou, Maine

Co-Star Brand Dried Potato Pulp

COMMERCIAL SOLVENTS CORP., 1331 South 1st St., Terre Haute, Ind.

(See also Vitamin Carriers)

B. Y. (R) Vitamin Feed Supplement 60
 Corn Distillers Dried Solubles with Grains
 Soluform Basic Dried Corn Fermentation Solubles with Grain

COMMUNITY SERVICE, INC., Canaan, Conn.

Community Service 16% Dairy Ration
 Community Service 18% Dairy Ration
 Community Service Fitting Ration

CONNECTICUT BI-PRODUCTS, Hop River Rd., Columbia, Conn.
Hydrolyzed Poultry Feathers
Poultry By-Product Meal

CONSOLIDATED BLENDERS, INC., Fremont, Nebr.
17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Greenules

CONSOLIDATED RENDERING CO., 178 Atlantic Ave., Boston, Mass.
Corenco Feeding Bone Meal
Corenco 47% Meat & Bone Scrap
Corenco 50% Meat & Bone Scrap

CONTINENTAL DISTILLING CORP., 1429 Walnut St., Philadelphia, Pa.
25% Corn Distillers Dried Grains

CORN PRODUCTS REFINING CO., 17 Battery Pl., New York 4, N. Y.
Buffalo Brand 21% Protein Corn Gluten Feed
Diamond Brand Corn Gluten Meal

C. A. COWLES, INC., Plantsville, Conn.
Blue C Feed 14% Dairy Ration
Blue C Feed 16% Dairy Ration
Blue C Feed 20% Dairy Ration
Blue C Feed Hog & Pig Feed
Blue C Feed Horse Feed with Molasses
Blue C Feed Laying Mash
Blue C Feed Rabbit Pellets
Blue C Feed Special Starter & Broiler Feed with Nitrofurazone
Blue C Feed Starting Mash
Blue C Feed Super 16% Dairy
Red C Feed Fitting Ration

P. CUTLER, INC., Colchester, Conn.
Prosperity Calf & Beef Ration
Prosperity Dairy Ration
Prosperity Laying Mash
Prosperity Pig Feed
Prosperity Sweet Beetrus Mix

D C A FOOD INDUSTRIES, INC., Ellicott City, Md.
Domaco Pure Winter Wheat Bran
Domaco Winter Wheat Standard Middlings
Domaco Winter Wheat White Middlings

R. G. DAVIS CO., 560 Grand Ave., New Haven, Conn.
Davis 16% Dairy Ration
Davis 14% Fitting
Davis Horse Feed

DAWE'S LABORATORIES, INC., 4800 So. Richmond St., Chicago, Ill.
(See also Vitamin Carriers)
Dawe's Fermentation Flavonne
Dawe's Vitamelk (Ruminant Type)
3-Nitro-4-Hydroxy Mixture in Special Broiler Mix No. 571-D

DAWNWOOD FARMS, Amenia, N. Y.
Dawnwood Farms Caf-Star

DAYVILLE GRAIN & FEED CO., Dayville, Conn.
Dayville High Calorie Broiler Medicated Glycarbylamide
Dayville High Calorie Broiler Medicated Nicarbazin
Dayville High Energy Broiler Medicated Glycarbylamide
Dayville High Energy Broiler Medicated Nicarbazin
Dayville High Energy Grower-Layer

DECATUR ELEVATOR CO., 518 E. Gault St., Decatur, Ill.
Illini Brand Expeller Type 43% Soybean Oil Meal

DECATUR MILLING CO., INC., 717 N. Union St., Decatur, Ill.
Homco Hominy Feed

DELAWARE MILLING CO., INC., Deposit, N. Y.
Delaware Broiler-Finisher
Delaware Horse Feed
Delaware Scratch Grains
Delaware Sweet 16% Dairy Feed
Warren's C & C Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's C & C Complete Growing Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's C & C Complete Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's C & C Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Chick Starter (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Complete Grower (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Fitting Ration (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Indian 16% Dairy (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
Warren's 16% Test Ration (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)

THE DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio
44% Protein Soybean Oil Meal (Solvent Extracted)

DERBY FEED STORE, 176 Main St., Derby, Conn.
Litsky's Hi-Energy All Mash Grower
Litsky's Hi-Energy All Mash Layer
Litsky's Hi-Energy Layer
Litsky's Hi-Energy Starter-Broiler with Sulfaquinoxaline
Litsky's Sweet 16% Dairy Ration

DEWHURST'S GRAIN STORE, Southwick, Mass.
Registered by A. C. Wetherell, Suffield, Conn.
Dewhurst 16% Dairy Ration

DUFFY-MOTT CO., INC., 370 Lexington Ave., New York 17, N. Y.
Dried Apple Pomace Feed

E. I. duPONT deNEMOURS AND COMPANY, Wilmington, Del.

(See also Vitamin Carriers)

DU PONT-TWO-SIXTY-TWO Feed Compound

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass.

(See also Vitamin Carriers)

Alfapels
 All-Mash Breeder Medicated
 Appiweh
 Beefmix with Diethylstilbestrol
 Breeder Mash Medicated
 Broiler Finisher Medicated
 Broiler Grower Medicated
 Broiler Starter Medicated
 Calf Starter
 Calving Ration
 Cashmaker Medicated
 Cashmaker-WM Medicated
 Cattle Wormer
 Champion
 Choicemaker Medicated
 Class Leader
 DFE (Drouth Forage Extender)
 Darimore
 Dairypels 16
 Finisher Medicated
 Fulpail
 Gee-Mix
 Goalmaker Medicated
 Lay-Mix Medicated
 Liteyoke Medicated
 Matchmaker Medicated
 Medicated Defender
 Medicated Defender Plus
 Medicated Lacto-Life
 Medicated Minuteman
 Medicated Minuteman SQ
 Medicated Sentinel
 Medicated Turkey Finisher F
 Medicated Turkey Grower F
 Medicated Turkey Starter F
 Milkmore
 Milksaver
 Pacemaker Medicated
 Pacemaker Plus Medicated
 Pig Primer Medicated
 Pork Breeder
 Pork Builder
 Pork Gainer Medicated
 Porklets
 Porkmix
 Poultry Wormer
 Rabbettes
 Supmix
 Sweepstakes
 Turkey Breeder Pellets
 Turkey Finisher
 Turkey Grower
 Turkey Starter Medicated

EINHORN GRAIN CO., Colchester, Conn.

E-B Broiler Medicated

ELMORE MILLING COMPANY, INC., 52 Main St., Oneonta, N. Y.

Elmore Breeder Mash (1A) Medicated
 Elmore Broiler Finisher Pellers (1N) Medicated
 Elmore Bull Feed
 Elmore Calf Grain Ration
 Elmore Chixsaver (1A) Medicated
 Elmore Chixsaver (1N) Medicated
 Elmore Chixsaver (1S) Medicated
 Elmore Complete Breeder Ration
 Elmore Complete Growing Ration
 Elmore Complete Growing Ration (1N) Medicated
 Elmore Complete Growing Ration (1S) Medicated
 Elmore Complete Market Egg Mash
 Elmore Complete Rabbit Ration Pellets
 Elmore Complete Turkey Growing Ration (1H) Medicated
 Elmore Complete Turkey Growing Ration (1S) Medicated
 Elmore Dry & Freshening Ration
 Elmore Egg Mash
 Elmore Fitting Ration 14%
 Elmore Flaked Pelleted Calf Starter
 Elmore Fleshing Pellets
 Elmore Game Bird Grower (1H) Medicated
 Elmore Game Bird Grower (1S) Medicated
 Elmore Game Bird Starter Medicated
 Elmore Game Bird Starter (1S) Medicated
 Elmore Grand Champion Ration
 Elmore Growing Mash
 Elmore Growing Mash (1N) Medicated
 Elmore Growing Mash (1S) Medicated
 Elmore Hog Ration
 Elmore Horse Feed
 Elmore Makemgrow Little Pig Ration
 Elmore Medicated High Antibiotic Picker-Upper Mash (2A)
 Elmore Milk Grains "Sixteen"
 Elmore Milk Grains "Twenty"
 Elmore Pacemaker 16% Dairy Ration
 Elmore Pacemaker 18% Dairy Ration
 Elmore Pacemaker Fitting Ration 14%
 Elmore Poultry & Turkey Fitting Ration
 Elmore Silosweet
 Elmore Super Broiler Ration (1N) Medicated
 Elmore Super Silage
 Elmore 30% Supplemental Dairy Ration
 Elmore Test Ration 16%
 Elmore Test Ration 18%
 Elmore Turkey Finisher (Fattener)
 Elmore Turkey Finisher (1H) (Fattener) Medicated
 Elmore Turkey Growing Mash (1H) Medicated
 Elmore Turkey Growing Mash (1S) Medicated
 Elmore Turkey Starting Mash (1A) Medicated
 Elmore Turkey Starting Mash (1S) Medicated
 Emco Complete Laying Mash
 Emco 20% Laying Mash

JOHN W. ESHELMAN & SONS, Lancaster, Pa.

Lancaster 16 Dairy Feed
 Lancaster 20 Dairy Feed
 Lancaster Scratch Grains
 Pennsy Complete Laying Ration
 Pennsy 16 Dairy Feed
 Pennsy Laying Mash
 Red Rose Breeder Mash
 Red Rose Broiler Finisher (High Efficiency) Medicated (115)
 Red Rose Broiler Finisher (High Efficiency) Medicated (115-A)
 Red Rose Broiler Starter Ration (High Efficiency) Medicated (114-A)
 Red Rose Calf Grower
 Red Rose Calf Starter
 Red Rose Cattle Wormer
 Red Rose Chick Grains
 Red Rose Chick Starter Medicated (110)
 Red Rose Chick Starter Medicated (110-A)
 Red Rose Coccidiosis Control Ration
 Red Rose Complete Game Bird Grower
 Red Rose Complete Growing Ration
 Red Rose Complete Growing Ration Medicated (113-C)
 Red Rose Complete Laying Ration
 Red Rose Complete Turkey Finisher
 Red Rose Complete Turkey Grower
 Red Rose 16 Dairy Feed
 Red Rose 18 Dairy Feed
 Red Rose Fattening Mash
 Red Rose Fitting Ration
 Red Rose Growing Mash
 Red Rose Hog Meal
 Red Rose Horse Feed
 Red Rose Intermediate Chick Grains
 Red Rose Laying Mash
 Red Rose Medicated T-C Feed
 Red Rose Pigeon Feed
 Red Rose Poultry Booster Pellets
 Red Rose Rabbit Pellets
 Red Rose Rabbit Pellets Medicated (710-A)
 Red Rose Scratch Grains
 Red Rose Starter & Grower
 Red Rose Starter & Grower Medicated (111-A)
 Red Rose 14 Test Cow Feed
 Red Rose Turkey & Poultry Fitting Feed
 Red Rose Turkey Starter
 S-O-S

EVANS MILLING CO., 1730 W. Michigan St., Indianapolis, Ind.

Emco Hominy Feed

FMS INCORPORATED, Thomasville, Pa.

FMS - A food for baby animals

FARM BUREAU ASSOCIATION, 155 Lexington St., Waltham, Mass.

Farm Bureau Complete Developer Mash
 Farm Bureau Complete Market Egg Mash or Pellets
 Farm Bureau 16% Dairy Ration
 Farm Bureau Developer Mash
 Farm Bureau Market Egg Mash or Pellets

FARM BUREAU ASSOCIATION, 155 Lexington St., Waltham, Mass. - Cont.

Farm Bureau 14% Milking Ration
 Farm Bureau Rabbit Food Pellets

FARM BUREAU COOPERATIVE ASS'N., 245 No. High St., Columbus 16, Ohio

Dehydrated Alfalfa Meal

FARMERS FEED CO., 375 Johnson Ave., Brooklyn 6, N. Y.

"Bull Brand" Brewers Dried Grains

FISH PRODUCTS CO., Lewes, Del.

Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene

FISH PRODUCTS CO., Tuckerton, N. J.

Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

FLORY MILLING CO., N. Main St., Bangor, Pa.

Flory 22% Broiler Starter Medicated
 Flory Cracked Corn Scratch
 Flory Horse Feed
 Flory 20% Layer
 Flory Record 16% Dairy Feed
 Flory Superior 16% Dairy Feed

THE FOX CO., Newfield, N. J.

(See also Vitamin Carriers)

Foxco D-Activated Animal Sterol (Source of Vitamin D₃)
 Foxco Flavitein

GENERAL FOODS CORP., Corn Mill Div., 180 So. Dearborn Ave., Kankakee, Ill.

Burt's Hominy Feed

GENERAL MILLS, INC., 9200 Wayzata Blvd., Minneapolis 26, Minn.

General Mills 44% Protein Solvent (Hexane) Extracted Soybean Oil Meal
 Ben Hur Wheat Bran & Ground Wheat Screenings
 Gold Medal Wheat Germ Meal Type A
 Oven Tailings
 Washburn's Gold Medal Fancy Wheat Flour Middlings and Ground Wheat Screenings Not Exceeding Mill Run
 Washburn's Gold Medal Fancy Wheat Mixed Feed with Ground Wheat Screenings Not Exceeding Mill Run
 Washburn's Gold Medal Wheat Adrian Red Dog
 Washburn's Gold Medal Wheat Bran and Ground Wheat Screenings Not Exceeding Mill Run
 Washburn's Gold Medal Wheat Standard Middlings and Ground Wheat Screenings Not Exceeding Mill Run

GENERAL MILLS, INC., Larrowe Region, 15800 W. McNichols Rd., Detroit, Mich.

Gold Medal Karmel Grist
 Gold Medal Stock Champ
 Larro All Purpose Poultry Wormer
 Larro Chick Grains
 Larro .0023 Dienestrol Diacetate with Nicarbazine and Arsonic Growth Stimulant in SureBroiler Caponette 20
 Larro .007 Dienestrol Diacetate with Nicarbazine and Arsonic Growth Stimulant in SureBroiler Caponette 20
 Larro .0022 Diethylstilbestrol Mix in SureBeef 50
 Larro Diethylstilbestrol Mix in SureCattle 32
 Larro Medicated Poultry SureLift
 Larro Medicated SureLift
 Larro Medicated SureMilk Keto-Kurb
 Larro Medicated SurePoult Pre-Starter (FRZ-AGS)
 Larro Medicated SureTurk Grower Complete (.0495 ENH)
 Larro Nicarbazine with Arsonic Growth Stimulant in SureBroiler Starter
 Larro Poultry SureHatch 38
 Larro Poultry SureHatch 38 (.011 FRZ) Medicated
 Larro Poultry SureHatch Complete "H-E"
 Larro Poultry SureHatch Complete "H-E" (.00275 FRZ) Medicated
 Larro Poultry SureHatch "H-E"
 Larro Poultry SureHatch "H-E" (.0055 FRZ) Medicated
 Larro Scratch Grains
 Larro Special SureLay Complete "H-E" (.0055 FRZ) Medicated
 Larro SureBeef 50
 Larro SureBroiler 42
 Larro SureBroiler 42 (GC-AGS) Medicated
 Larro SureBroiler 42 (NCB-AGS) Medicated
 Larro SureBroiler Caponette 20 (GC-AGS) Medicated
 Larro SureBroiler Finisher
 Larro SureBroiler Finisher (NCB-AGS) Medicated
 Larro SureBroiler Finisher 23
 Larro SureBroiler Finisher 23 (GC-AGS) Medicated
 Larro SureBroiler Finisher 23 (NCB-AGS) Medicated
 Larro SureBroiler Finisher 23-X
 Larro SureBroiler Finisher 23-X (GC-AGS) Medicated
 Larro SureBroiler Finisher 23-X (NCB-AGS) Medicated
 Larro SureBroiler Finisher 41
 Larro SureBroiler Finisher 41 (NCB-AGS) Medicated
 Larro SureBroiler Starter (AGS) Medicated
 Larro SureBroiler Starter (GC-AGS) Medicated
 Larro SureBroiler Starter (NCB-AGS) Medicated
 Larro SureBroiler Starter 26 (GC-AGS) Medicated
 Larro SureBroiler Starter 26 (NCB-AGS) Medicated
 Larro SureBroiler Starter 26-X (GC-AGS) Medicated
 Larro SureBroiler Starter 26-X (NCB-AGS) Medicated
 Larro SureBroiler Starter 41
 Larro SureBroiler Starter 41 (NCB-AGS) Medicated
 Larro SureCalf
 Larro SureCalf Mixer
 Larro SureCattle 32
 Larro SureChick
 Larro SureChick (GC) Medicated
 Larro SureChick (NCB) Medicated
 Larro SureChick 38 (GC) Medicated
 Larro SureChick 38 (NCB) Medicated

GENERAL MILLS, Inc., Larrowe Region, 15800 W. McNichols Rd., Detroit, Mich. - Cont.

Larro SureDuck
 Larro SureDuckling
 Larro SureFat No. 1
 Larro SureGrow Complete "H-E"
 Larro SureGrow Complete "H-E" (GC) Medicated
 Larro SureGrow Complete "H-E" (NCB) Medicated
 Larro SureLay 26
 Larro SureLay 26 (.00825 FRZ) Medicated
 Larro SureLay 38
 Larro SureLay 38 (.011 FRZ) Medicated
 Larro SureLay Cage
 Larro SureLay Cage (.00275 FRZ) Medicated
 Larro SureLay Complete "H-E"
 Larro SureLay Complete "H-E" (.00275 FRZ) Medicated
 Larro SureLay "H-E"
 Larro SureLay "H-E" (.0055 FRZ) Medicated
 Larro SureMilk 14
 Larro SureMilk 16
 Larro SureMilk 20
 Larro SureMilk 24
 Larro SureMilk 32
 Larro SureMilk 50
 Larro SurePig (AGS) Medicated
 Larro SurePig (AGS-HYG) Medicated
 Larro SurePork 35
 Larro SurePork 35 (HYG) Medicated
 Larro SurePork Complete (AGS) Medicated
 Larro SurePork Grower Complete (AGS-HYG) Medicated
 Larro SurePork Super 40
 Larro SurePork Super 40 (HYG) Medicated
 Larro SurePoult
 Larro SurePoult (.015 HZ) Medicated
 Larro SurePoult 38
 Larro SurePoult (.15 ENH) Medicated
 Larro SurePoult (.025 HZ) Medicated
 Larro SurePoult (SQ) Medicated
 Larro SurePoult Pre-Starter (AGS) Medicated
 Larro SurePoult Pre-Starter (.025 HZ-AGS) Medicated
 Larro SurePoult Pre-Starter (SQ-AGS) Medicated
 Larro SureRabbit
 Larro SureRabbit Medicated
 Larro SureRaise Medicated Dynafac
 Larro SureRaise Medicated Tetra
 Larro SureRoaster Complete (GC) Medicated
 Larro SureRoaster Complete (NCB) Medicated
 Larro SureStart Medicated
 Larro SureTurk
 Larro SureTurk (.03 ENH) Medicated
 Larro SureTurk (.03 HZ) Medicated
 Larro SureTurk (.05 HZ) Medicated
 Larro SureTurk 38
 Larro SureTurk Finisher Complete
 Larro SureTurk Finisher Complete (.015 ENH) Medicated
 Larro SureTurk Finisher Complete (.015 HZ) Medicated
 Larro SureTurk Finisher Complete (.025 HZ) Medicated
 Larro SureTurk Fryer Complete (.025 HZ) Medicated
 Larro SureTurk Grower Complete

GENERAL MILLS, INC., Larro Region, 15800 W. McNichols Rd., Detroit, Mich. - Cont.

Larro SureTurk Grower Complete (.015 ENH) Medicated
 Larro SureTurk Grower Complete (.015 HZ) Medicated
 Larro SureTurk Grower Complete (.025 HZ) Medicated
 Larro SureVeal Medicated
 Larro Turkey SureHatch
 Larro Turkey SureHatch Complete
 Larro Turkey SureHatch 38
 Larro Wormer

THE GLIDDEN CO., Chemurgy Div., 1825 N. Laramie Ave., Chicago, Ill.

Glidden Hi Prosoy 50% Protein Solvent Extracted Soybean Oil Meal
 Glidden Quality Products 44% Protein Solvent Extracted Soybean Oil Meal

GLOUCESTER BY-PRODUCTS, INC., State Fish Pier, Gloucester, Mass.

Globpro Brand Fish Meal

GOLDENROD OIL MEAL SALES CO., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal Prime Quality

GORTON'S OF GLOUCESTER, INC., 327 Main St., Gloucester, Mass.

(See also Vitamin Carriers)

Gorton's Al-Blend "Junior"

GRACE CHEMICAL CO., Div. of W. R. Grace & Co., Box 4906, Memphis, Tenn.

Grace Micro Prilled Urea Feed Compound

D. H. GRANDIN MILLING CO., Jamestown, N. Y.

Grandin's Calf Starter
 Grandin's 14 Fitting Ration
 Grandin's Hi-Pro Pellets
 Grandin's Horse Feed
 Grandin's Intermediate Chick Grains
 Grandin's Laying Mash
 Grandin's 14 Milk Maker
 Grandin's 16 Milk Maker
 Grandin's 20 Milk Maker
 Grandin's Rabbit Pellets
 Grandin's Start-To-Finish Mash
 Grandin's 18 Test Ration

THE GREAT ATLANTIC & PACIFIC TEA CO., 817-512 Nicollet Bldg., Minneapolis, Minn.

Daily Egg Laying Mash
 Daily Growth Chick Starter
 Daily Growth Fine Chick Feed
 Daily Growth Growing Mash

THE GREAT WESTERN SUGAR CO., 1530 Sixteenth St., Denver, Colo.

GW Dried Beet Pulp & Condensed Beet Solubles Product Neutralized with Ammonia

GREEN ACRES FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal
 Green Acre's Brand 17% Dehydrated Alfalfa Meal with 1% Stabilized Animal Fat Added

HAFFENREFFER & CO., INC., 30 Germania St., Boston, Mass.

Haffenreffer & Company's Brewers' Dried Yeast

HALES & HUNTER CO., 141 W. Jackson Blvd., Chicago, Ill.

Big-R-Buy 16 Dairy
 Pioneer Bull Feed
 Pioneer Calf Starter
 Pioneer Dairy Fitting Feed
 Pioneer Dairy Production 16
 Pioneer Dairy Production 18
 Pioneer Dry & Freshening
 Pioneer Horse Feed
 Pioneer Pelleted Flaked 15 Dairy
 Pioneer Pelleted Flaked 18 Dairy
 Pioneer Rabbit Pellets
 Pioneer Sup-Pel Pellets
 Red Comb Breeder Mash
 Red Comb Broiler Finisher GGG Medicated
 Red Comb Broiler Starter
 Red Comb Broiler Starter GGG Medicated
 Red Comb Broiler Starter Z3 Medicated
 Red Comb Broiler Station Fattener
 Red Comb C Flakes
 Red Comb Chick Starter
 Red Comb Complete Layer
 Red Comb Duck Grower
 Red Comb Egg Mash
 Red Comb Growing Mash
 Red Comb Medicated Sup-Pel A
 Red Comb Scratch Feed
 Red Comb Summer Broiler Finisher GGG Medicated
 Red Comb Summer Broiler Starter GGG Medicated
 Red Comb Turkey Grower
 Red Comb Turkey Starter S Medicated

A. E. HALL, Wallingford, Conn.

Hall's Growing Mash
 Hall's Hi-Lo Starter and Broiler
 Hall's Laying Mash

HARPER FEED MILLS, INC., 271 W. Wheeling St., Washington, Pa.

Harco Milk Replacer for Young Calves
 Warren's Complete Growing Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Lay Pellets (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Starting Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Test Cow 16% Dairy with Pellets (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)

HARPER FEEDMILLS, INC., 271 W. Wheeling St., Washington, Pa. - Cont.

Warren's 20% Laying Mash (Mfd. for Wm. S. Warren & Son,
Eastford, Conn.)

HOLLY SUGAR CORP., Colorado Springs, Colo.

Registered by Mowat, Wilson & Co., Detroit, Mich.

Dried Beet Pulp

HONEYMEAD PRODUCTS CO., 202 Given St., Mankato, Minn.

Honeymead Hexane Solvent Extracted High Energy 48.5% Soybean
Oil Meal

H. P. HOOD & SONS, INC., Wilson St., Dunedin, Fla.

Hood Citrus Meal
Hood Citrus Pulp

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston, Mass.

Dried Skimmed Milk
Hood's Calf Starter
Hood Pep-Lac
Hood Whey-Lac
Powdered Skim Milk

THE HUBINGER CO., Keokuk, Iowa

Ke OK uk Brand Corn Gluten Meal
Ke OK uk 21% Protein Corn Gluten Feed

ILLINOIS CEREAL MILLS, INC., So. Jefferson Ave., Paris, Ill.

Hominy Feed

INDUSTRIAL MOLASSES CORP., 3033 Excelsior Blvd., Minneapolis, Minn.

Plain Dried Beet Pulp

INTERNATIONAL MILLING CO., 1200 Investors Bldg., Minneapolis, Minn.

Blackhawk Wheat Bran with Ground Mixed Screenings
Blackhawk Wheat Germ Meal
Blackhawk Wheat Standard Middlings with Ground Mixed Screenings
Superior Wheat Bran (Mfd. by Robin Hood Flour Mills, Ltd., Moose
Jaw, Montreal, Canada)

Target Wheat Reddog

INTERNATIONAL STOCK FOOD CORP., Delhi, N. Y.

I. S. F. Grow-em Milk Replacer

HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat and Bone Meal

KELLOGG SALES CO., Battle Creek, Mich.

Kellogg's Hominy Feed
Kellogg's No. 1007 Mink Mix
Kellogg's No. 1001 Mink Ration

SPENCER KELLOGG & SONS, INC., 98 Delaware Ave., Buffalo 5, N. Y.

Spencer Kellogg's 50% Protein Dehulled Soybean Oil Meal -
Solvent Extracted
Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed
Oil Meal
Spencer Kellogg's 44% Protein Toasted Soybean Oil Meal -
Solvent Extracted

KENNEL FOOD SUPPLY, Div. Hygrade Food Products Corp., Fairfield, Conn.

KFS Hi-Protein Mink Ration
KFS Rabbit Pellets

KEYSTONE DEHYDRATORS, Nazareth, Pa.

Keystone Super-Green Dehydrated Alfalfa Meal

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New
York 16, N. Y.

(See also Vitamin Carriers)

Kaff-A
Kaff-A Booster Pellets
Kraco Dried Whole Whey
Pex for Broilers
Pex for Layers-Breeders
Pex for Poultry
Pex for Poultry - Block
Pex Whey Block

CHAS. A. KRAUSE MILLING CO., 404 E. State St., Milwaukee 1, Wis.

Badger Yellow Hominy Feed

KUDER PULP SALES CO., Lake Alfred, Fla.

Kuder Dried Citrus Pulp, High Sugar

LAUHOFF GRAIN CO., 321 E. North St., Danville, Ill.

Vermilion Hominy Feed

LAUHOFF SOYA CO., Danville, Ill.

44% Protein Solvent Extracted Soybean Oil Meal

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.

Libner's Blue Ribbon Conn. Standard Chick Starter Ration
Libner's Blue Ribbon 12% Fitting Ration
Libner's Blue Ribbon Growing Mash
Libner's Blue Ribbon Horse & Calf Ration
Libner's Blue Ribbon Milk Egg Mash
Libner's 20% Milkflow Dairy Ration

L. B. LOVITT & CO., 314 Cotton Exchange Bldg., Memphis, Tenn.

"Lovit Brand" 41% Protein Cottonseed Meal

A. S. MacDONALD COMMISSION CO., 106 Grain & Flour Exchange, Boston,
Mass.

Parrheim Pure Wheat Shorts (Mfd. by Parrish & Heimbecker,
Toronto, Canada)

MACHNICKI'S GRAIN STORE, Canal St., Jewett City, Conn.

Machnicki's Hi-Energy All-Mash Layer

MAPLE LEAF MILLING CO., Toronto, Canada

Registered by Wirthmore Feeds, Inc., Waltham, Mass.

Rex Wheat Bran

Rex Wheat Middlings

MARITIME MILLING CO., INC., 200 Corn Exchange Bldg., Buffalo 2, N. Y.

B-B "16" Dairy Ration

Ma-Co Broiler Finishing Ration Medicated 855-AR-G

Ma-Co Broiler Finishing Ration Medicated 855-AR-N

Ma-Co 22% Broiler Ration Medicated 795-AR-G

Ma-Co 22% Broiler Ration Medicated 795-AR-N

Ma-Co Complete Grower & Layer Ration

Ma-Co Complete Grower & Layer Ration Medicated 1025-B

Ma-Co Wormer Crumbles 980

Super Ma-Co Breeder Mash

Super Ma-Co Broiler Finishing Ration Medicated 810-AR-G

Super Ma-Co Broiler Finishing Ration Medicated 810-AR-N

Super Ma-Co Broiler Ration Medicated 800-AR-G

Super Ma-Co Broiler Ration Medicated 800-AR-N

Super Ma-Co Complete Breeder Ration

Super Ma-Co Complete Chick Starter Medicated 805-AR

Super Ma-Co Complete Chick Starter Ration Medicated 805-AR-B

Super Ma-Co Complete Growing & Laying Ration Medicated 815-F

Super Ma-Co Complete Turkey Breeder Ration Medicated 910-H

Super Ma-Co Complete Turkey Growing Ration Medicated 905-H

Super Ma-Co Complete Turkey Starter Ration Medicated 900-AR-S

Super Ma-Co Egg Mash

Super Ma-Co Growing & Laying Ration 18%

Super Ma-Co Growing & Laying Ration Medicated 815-B

Super Ma-Co Stress-Aid Ration Medicated 970-A-1

Super Ma-Co Stress-Aid Ration Medicated 970-A-2-F

Super Ma-Co Stress-Aid Ration Medicated 970-A-3-F

MAXON MILLS, INC., Wassaic, N. Y.

Maxon 16% Dairy

Maxon 18% Dairy

Maxon 14% Fitting

Maxon 16% Test

Maxon 18% Test

McCABE GRAIN CO. LIMITED, 409 Grain Exchange Bldg., Winnipeg, Canada

Mixed Screenings

McMILLEN FEED MILLS, 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind.

Flaked Soybean Hulls

Master Mix All Mash Breeder

Master Mix All Mash Pullet Grower

Master Mix Bulky Feed

Master Mix Calflac

Master Mix Calf Mixer

Master Mix Chick Concentrate

Master Mix Chick Starter

Master Mix Chick Starter (25A) Medicated

Master Mix Complete Calf-Mix

McMILLEN FEED MILLS, 300 Ft. Wayne Bank Bldg., Ft. Wayne, Ind. - Cont.

Master Mix Complete Rabbit Pellets

Master Mix 16% Dairy Feed

Master Mix Egg Concentrate

Master Mix Egglac Pellets

Master Mix Egg Mash

Master Mix Hi-Calorie All Mash Layer

Master Mix Hi-Calorie Broiler Concentrate (77M) Medicated

Master Mix Hi-Calorie Broiler Finisher Concentrate

Master Mix Hi-Calorie Broiler Finisher Concentrate (55C) Medicated

Master Mix Hi-Calorie Broiler Finisher (55A) Medicated

Master Mix Hi-Calorie Broiler Starter (55A) Medicated

Master Mix Hi-Calorie Broiler Starter Concentrate (55B) Medicated

Master Mix Hi-Calorie 17% Egglac Pellets

Master Mix 35% Hog Concentrate

Master Mix Horse Feed

Master Mix Master Blend Dairy Concentrate

Master Mix Prime Finisher (71A) Medicated

Master Mix Prime Finisher (55A) Medicated

Master Mix Sweet 16% Dairy

Master Mix Sweet Flakes

Master Mix Turkey Broiler Finisher (11A) Medicated Histostat

MEAD JOHNSON & CO., Pabulum Products Div., Evansville, Ind.

XT-No. 58

MEECH & STODDARD, INC., 76 No. Main St., Middletown, Conn.

M & S Economy Dairy Feed

Red Wing 16& Dairy Feed

Red Wing Fitting Ration

Red Wing Growing Mash

Red Wing Horse Feed

Red Wing Laying Mash

Red Wing Pig & Hog Feed

Red Wing Starting Mash

Red Wing Stock Feed

Special Balance Growing Mash

Special Balance High Efficiency Complete Laying Mash

Special Balance Laying Mash

Special Balance Needy-Pen Antibiotic Laying Mash

Special Balance Starting Mash Medicated

THE MERCHANTS CREAMERY CO., 536 Livingston St., Cincinnati, Ohio

(See also Vitamin Carriers)

Blue Ribbon Emulsion

Blue Ribbon Special

MERCK & CO. INC., Rahway, N. J.

Glycamide 6% (Glycarbylamide, Merck) Medicated

GEO. J. MEYER MALT & GRAIN CORP., 1314 Niagara St., Buffalo, N. Y.

Malt Sprouts

MILLER ALFALFA CO., Jackson & Gorman Sts., Defiance, Ohio

Miller's Choice Brand 17% Dehydrated Alfalfa Meal

MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.

Choice Steam Cooked Hominy Feed
M-H Dairy Feed 18% - Pelleted

MINUTE MAID CORP., P.O. Box 720, Leesburg, Fla.

Golden Isle Citrus Pulp

GEO. Q. MOON & CO. INC., Binghamton, N. Y.

Brewers Dried Grains (Mfd. by New Century Co., Chicago, Ill.)
Moon Dairy Fitting Ration
Moon Goat Ration
Moon Growing Mash
Moon Hog Feed
Moon Horse Feed
Moon Laying Mash
Moon Rabbit Pellets
Moon Scratch Feed
Moon Starter Mash

FRED C. MORSE & SON, Guilford, Conn.

Old Mill Complete Growing Mash
Old Mill Complete Starting Mash Medicated
Old Mill 16% Dairy Feed
Old Mill Fitting Feed
Old Mill Growing Mash
Old Mill Hi-Calorie Broiler Finisher Medicated
Old Mill Hi-Calorie Broiler Mash
Old Mill High-Energy Laying Mash
Old Mill Laying Mash
Old Mill Rabbit Pellets

MOUNT VERNON MILLING CO., Mount Vernon, Ind.

Poco Hominy Feed

MOWAT, WILSON & CO., 18675 James Couzens Highway, Detroit 35, Mich.

Dried Beet Pulp
Dried Beet Pulp and Feeding Beet Molasses

NATIONAL ALFALFA DEHYDRATING & MILLING CO., Lamar, Colorado

Jack Rabbit 15% Protein Dehydrated Alfalfa Meal
Jack Rabbit 17% Protein Dehydrated Alfalfa Meal
Krumbles
National 20% Broiler Meal Dehydrated Alfalfa

NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St., Toledo, Ohio

Namico
Pure Wheat Bran

NATIONAL DISTILLERS PRODUCTS CO., Div. of National Distillers & Chemical Corp., 99 Park Ave., New York 16, N. Y.

Corn Distillers Dried Grains
Nadrisol Brand Corn Distillers Dried Solubles
Produlac Brand Corn Distillers Dried Solubles with Grains

THE NEW CENTURY CO., 3939 S. Union St., Chicago, Ill.

Registered by Geo. Q. Moon & Co. Inc., Binghamton, N. Y.
Brewers Dried Grains

NEWTON CONCENTRATES, P.O. Box 430, Albany 1, N. Y.

Newton Bovine Concentrate (Sweet Fourteen)
Newton Bovine Concentrate (Sweet Super)
Newton Bovine Fitting & Fattening Concentrates
Newton Bovine (Super) Concentrates
Newton Green Roughage Concentrates

NOPCO CHEMICAL CO., Harrison, N. J.

(See also Vitamin Carriers)

Nopco-Pak Hi-Lay Premix
Nopco-Pak Super Premix
Nopdex "3000"

THE NORTH AMERICAN TRADING & IMPORT CO., 1429 Walnut St., Philadelphia, Pa.

Natico Dry Feeding Cane Molasses Product

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver, Colo.

GW Dried Beet Pulp

OGDEN GRAIN CO., Utica, N. Y.

Ogden Chick Feed
Ogden Complete Chick Starter
Ogden Complete Grower
Ogden Complete Layer
Ogden Developer Feed
Ogden Growing Mash
Ogden Hi-Energy Breeder Mash
Ogden Hi-Energy Growing Mash
Ogden Hi-Energy Laying Mash
Ogden Hi-Energy Starter & Broiler Medicated
Ogden Horse Feed
Ogden Laying Mash
Ogden Poultry & Turkey Fitting Ration
Ogden Premium 16% Dairy Ration
Ogden Premium Fitting Ration
Ogden Premium 20% Milk Ration
Ogden Premium 18% Test Cow Ration
Ogden Rabbit Pellets
Ogden Reliable 16% Dairy Feed
Ogden Reliable Fitting Feed
Ogden Scratch Grains
Ogden Super Hi-Energy Laying Mash

PABST BREWING CO., Merchandise Mart, Chicago 54, Ill.

Pabst Blue Ribbon Brewers Dried Grains
Pabst Yellow Hominy Feed

PARK & POLLARD CO., 100 S. Elmwood Ave., Buffalo, N. Y.

Hi-Prime Complete Turkey Finisher
 Hi-Prime Complete Turkey Grower
 Hi-Prime Complete Turkey Grower Medicated 330-H
 Hi-Prime Turkey Fitting Ration
 Hi-Prime Turkey Starter Medicated 300-AR-S
 Hi-Prime Turkey Starter Medicated 300-H
 Lay or Bust Complete Chick Starter 225-B Medicated
 Lay or Bust Complete Grower & Layer
 Lay or Bust Complete Grower & Layer Medicated 230-B
 Lay or Bust Growing & Laying Mash
 Lay or Bust Growing & Laying Mash Medicated 205-B
 Lay or Bust Hi-Valu Pellets
 Milk Maid Calf Starter
 Milk Maid 16% Dairy Ration
 Milk Maid 20% Dairy Ration
 Milk Maid Dri-Fresh Ration
 Milk Maid Fitting Ration
 Milk Maid 14% Test Ration
 Milk Maid 18% Test Ration
 Park & Pollard 16% Dairy
 Park & Pollard Go-Tu-It Pig Grower
 Park & Pollard Go-Tu-It Pig Starter
 Park & Pollard Hi-Speed Horse Feed
 Park & Pollard Rabbit Pellets
 Red Ribbon 16% Dairy Ration
 Super Lay or Bust All-Mash Breeder
 Super Lay or Bust All-Mash Grower & Layer Medicated 130-B
 Super Lay or Bust Chick Starter Medicated 100-B
 Super Lay or Bust Egg Mash
 Super Lay or Bust Growing Feed
 Super Lay or Bust Growing Feed Medicated 105-B

PARRISH & HEIMBECKER, 43 Scott St., Toronto, Canada

Registered by A. S. MacDonald Commission, Boston, Mass.

Parrheim Pure Wheat Shorts

PASCO PACKING CO., Dade City, Fla.

O-Mi-O Citrus Pulp
 Sugar Sweet Citrus Meal
 Sugar Sweet Citrus Pulp

PATENT CEREALS CO., Geneva, N. Y.

Vermilion Hominy Feed

PENICK & FORD LTD, INC., Cedar Rapids, Iowa

Douglas Corn Gluten Meal
 21% Protein Douglas Corn Gluten Feed

PENNSYLVANIA HIDE & RENDERING CO., Div. of Van Iderstine Co., 917
 Middle St., Scranton, Pa.

Pennsylvania Meat & Bone Scraps

PERRYSBURG ALFALFA MILLS, INC., Ft. Meigs Rd., Perrysburg, Ohio

17% Dehydrated Alfalfa Meal

PET MILK CO., 1401 Arcade Bldg., St. Louis, Mo.

Pet Brand Dry Skimmed Milk

PHILBRICK STARCH CO. of L. I., INC., Riverhead, N. Y.

PHIL STAR Brand Dried Potato Pulp

PIERCE FEED CO., INC., Brooklyn, Conn.

Pierce Complete Breeder
 Pierce Complete Grower
 Pierce Complete Layer
 Pierce Grower
 Pierce 22% Layer
 Pierce Starter
 Pierce Starter Medicated

PILLSBURY MILLS, INC., Minneapolis, Minn.

Pillsbury's Amazon Second Clear
 Pillsbury's XX Daisy
 Pillsbury's Hard Wheat A Middlings with Ground Wheat Screenings
 not Exceeding Mill Run
 Pillsbury's Hard Wheat Bran with Ground Wheat Screenings not
 Exceeding Mill Run
 Pillsbury's Wheat Germ Meal
 Pillsbury's Wheat Standard Middlings with Ground Wheat Screenings
 not Exceeding Mill Run

PLANTERS NUT & CHOCOLATE CO., 200 Johnson Ave., Suffolk, Va.

Peanut Skins

PUBLICICKER INDUSTRIES INC., 1429 Walnut St., Philadelphia, Pa.

"PACO" Molasses Distillers Dried Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago, Ill.

Bell Cow Wheat Bran
 Bell Cow Wheat Shorts
 Feeding Oat Groats
 Feeding Steel Cut Oat Groats
 Ful-O-Pep Broiler Concentrate (A2G1) Medicated
 Ful-O-Pep Broiler Concentrate (A2Q5) Medicated
 Ful-O-Pep Broiler Pre-Starter (C2) Medicated
 Ful-O-Pep Broiler (Roaster) Finisher (A3G4) Medicated
 Ful-O-Pep Broiler (Roaster) Finisher (A3Q) Medicated
 Ful-O-Pep Bulky Boss
 Ful-O-Pep Cage Layer Ration
 Ful-O-Pep Calf Ration
 Ful-O-Pep Calf Starter
 Ful-O-Pep Chick Starter
 Ful-O-Pep Chick Starter (BC) Medicated
 Ful-O-Pep Chick Starter (G2) Medicated
 Ful-O-Pep Chick Starter (Q2) Medicated
 Ful-O-Pep Crate Fattener
 Ful-O-Pep 32% Dairy Concentrate
 Ful-O-Pep 40% Dairy Concentrate
 Ful-O-Pep Derwood Horse Crunch
 Ful-O-Pep Diethylstilbestrol Mixture for Fattening Beef Cattle
 Ful-O-Pep Egg-Breeder Mash
 Ful-O-Pep Egg-Breeder Ration

THE QUAKER OATS CO., Merchandise Mart Plaza, Chicago, Ill. - Cont.

Ful-O-Pep Egg Mash
 Ful-O-Pep Egg Ration
 Ful-O-Pep Fitting Feed
 Ful-O-Pep Goat Feed
 Ful-O-Pep Gro-Pork (280K) Medicated
 Ful-O-Pep Growing Mash
 Ful-O-Pep Growing Mash (B1C1) Medicated
 Ful-O-Pep Growing Mash (G3) Medicated
 Ful-O-Pep Growing Mash (Q3) Medicated
 Ful-O-Pep Growing Ration
 Ful-O-Pep Growing Ration (BC) Medicated
 Ful-O-Pep Growing Ration (G2) Medicated
 Ful-O-Pep Growing Ration (Q1) Medicated
 Ful-O-Pep High Sweet Blend
 Ful-O-Pep High Sweet Blend L
 Ful-O-Pep Horse Feed
 Ful-O-Pep Laying Mash
 Ful-O-Pep Laying Ration
 Ful-O-Pep Medicated Broiler Bracer (C2D1)
 Ful-O-Pep Medicated Broiler Mash (E)
 Ful-O-Pep Medicated Super Greens Pellets (C2D1)
 Ful-O-Pep Milking Feed
 Ful-O-Pep Pig-N-Sow Ration
 Ful-O-Pep Pig Starter (KP) Medicated
 Ful-O-Pep Pro-Sweet Supplement
 Ful-O-Pep Pullet Developer
 Ful-O-Pep Pullet Developer (BC)
 Ful-O-Pep Pullet Developer (Q1) Medicated
 Ful-O-Pep Rabbit Ration
 Ful-O-Pep Super Broiler Concentrate (A2G1) Medicated
 Ful-O-Pep Super Broiler Concentrate (A5Q4) Medicated
 Ful-O-Pep Super Broiler Mash (A) Medicated
 Ful-O-Pep Super Broiler Mash (AG2) Medicated
 Ful-O-Pep Super Broiler Mash (AQ) Medicated
 Ful-O-Pep Super Broiler Pre-Starter (AG2) Medicated
 Ful-O-Pep Super Broiler Pre-Starter (AQ) Medicated
 Ful-O-Pep Super Cage Layer (A) Medicated
 Ful-O-Pep Super Egg Breeder Ration (A) Medicated
 Ful-O-Pep Super Greens Pellets
 Ful-O-Pep Super Laying Ration (A) Medicated
 Ful-O-Pep Super Laying Mash (A3) Medicated
 Ful-O-Pep Sweet 16 Dairy Feed
 Ful-O-Pep Turkey Breeder
 Ful-O-Pep Turkey Finisher Ration
 Ful-O-Pep 26% Turkey Grower
 Ful-O-Pep 20% Turkey Grower Ration
 Ful-O-Pep Turkey Starter
 Muffets Shredded Wheat Feed
 Peterborough Oat Mill By-Product
 Quaker Sugared Schumacher Feed
 Victor Steamed Rolled Oats
 Vim Oat Meal By-Product
 Yellow Hominy Feed

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo.

Corn & Oat Provender
 Dairy Premix 36%
 Mixed Screenings
 Northeastern Scratch Feed (For Pullets)
 34% Protein (Expeller Process) Linseed Oil Meal
 41% Protein Solvent Extracted Cottonseed Meal
 44% Protein Solvent Extracted Soybean Oil Meal
 Purina B & M Cow Chow D
 Purina Baby Pig Chow F Medicated
 Purina Breeder Lay Chow E
 Purina Breeder Lay Chow S
 Purina Breeder Layena (Complete Ration) E
 Purina Broiler Chow Medicated
 Purina Broiler Chow 3 GC Medicated
 Purina Broiler Chow 3 NC Medicated
 Purina Broiler Chow 3 NC No. 2 Medicated
 Purina Broiler Chow Finisher D Medicated
 Purina Broiler Chow Finisher (D) 3 AB Medicated
 Purina Broiler Chow Finisher (D) 3 AB NC No. 2 Medicated
 Purina Broiler Chow Finisher (D) 3 NC No. 2 Medicated
 Purina Broiler Chow Finisher (D) Non
 Purina Broiler Chow Finisher 3 NC No. 2 Medicated
 Purina Broiler Chow Finisher E Medicated
 Purina Broiler Chow Finisher (E) 3 AB Medicated
 Purina Broiler Chow Finisher (E) AB NC Medicated
 Purina Broiler Chow Finisher (E) 3 AB NC No. 2 Medicated
 Purina Broiler Chow Finisher (E) 3 GC Medicated
 Purina Broiler Chow Finisher (E) 3 NC Medicated
 Purina Broiler Chow Finisher (E) 3 NC No. 2 Medicated
 Purina Broiler Chow Finisher E (Non)
 Purina Broiler Chow Finisher V Medicated
 Purina Broiler Chow Finisher (V) 3 GC Medicated
 Purina Broiler Chow Finisher (V) 3 NC No. 2 Medicated
 Purina Broiler Chow Starter (B) 3 NC No. 2 Medicated
 Purina Broiler Chow Starter D Medicated
 Purina Broiler Chow Starter (D) AB 3 NC No. 2 Medicated
 Purina Broiler Chow Starter (D) 3 NC No. 2 Medicated
 Purina Broiler Chow Starter (E) AB 3 NC Medicated
 Purina Broiler Chow Starter E Medicated
 Purina Broiler Chow Starter (E) AB 3 NC No. 2 Medicated
 Purina Broiler Chow Starter (E) 3 GC Medicated
 Purina Broiler Chow Starter (E) 3 NC No. 2 Medicated
 Purina Broiler Chow Starter (E) 3 NC Medicated
 Purina Broiler Chow Starter (V) 3 GC Medicated
 Purina Broiler Chow Starter (V) 3 NC No. 2 Medicated
 Purina Broiler Fattener E
 Purina Bulky Las
 Purina Calf Startena
 Purina Capena 3 GC Medicated
 Purina Capena 3 NC Medicated
 Purina Chick Chow (Coarse)
 Purina Chick Chow (Fine)
 Purina Chick Growena
 Purina Chick Growena GC Medicated
 Purina Chick Growena NC Medicated
 Purina Chick Growena NC No. 2 Medicated
 Purina Chick Growing Chow
 Purina Complete Sow & Pig Chow

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Cow Chow Concentrate
 Purina Cow Chow D 16%
 Purina Cow Chow D 20%
 Purina Cow Chow Supplement
 Purina D & F Chow
 Purina Dienestrol Diacetate & Nicarbazine Mixture in Purina Roaster Chow
 Purina Dienestrol Diacetate & Nicarbazine Mixture in Purina Roaster Chow No. 2
 Purina Dienestrol Diacetate & 3-Nitro Mixture in Purina Broiler Chow Finisher D
 Purina Dienestrol Diacetate & 3-Nitro Mixture in Purina Broiler Chow Finisher E
 Purina Dienestrol Diacetate & 3-Nitro-4-hydroxyphenylarsonic Acid Mixture in Purina Broiler Chow Finisher E
 Purina Dienestrol Diacetate & 3-Nitro & Nicarbazine Mixture in Purina Broiler Chow Finisher D No. 2
 Purina Dienestrol Diacetate & 3-Nitro & Nicarbazine Mixture in Purina Broiler Chow Finisher E No. 2
 Purina .0011% Diethylstilbestrol Mix in Purina Special Steer Fatena 32%
 Purina Duck Breeder Layena
 Purina Eggena
 Purina Fitting Ration
 Purina Fox Chow
 Purina Fox Chow (Without Meat Meal)
 Purina Game Bird Growena
 Purina Goat Chow
 Purina Guinea Pig Chow
 Purina Hog Fatena Medicated
 Purina Lamb Creep Chow
 Purina Lay Chow E
 Purina Lay Chow S
 Purina Layena (Complete Ration) E
 Purina Chek-R-Ton Granules
 Purina Meat Pullet Fattening Chow GC Medicated
 Purina Meat Pullet Fattening Chow NC Medicated
 Purina Medicated Chek-R-Aid
 Purina Medicated D & F Chow D
 Purina Medicated Rabbit Chow Checkers
 Purina Milk Chow D 16%
 Purina Milk Chow D 20%
 Purina Mink Breeder Chow
 Purina Mink Developer Chow
 Purina Mix-R-Mycin
 Purina Nursing Chow
 Purina OF Broiler Chow Finisher V Medicated
 Purina OF Broiler Chow Finisher (V) 3 GC Medicated
 Purina OF Broiler Chow Finisher (V) 3 NC Medicated
 Purina OF Broiler Chow Starter (V) AB 3 NC Medicated
 Purina OF Broiler Chow Starter (V) 3 NC Medicated
 Purina OF Broiler Chow Starter (V) AB 3 NC No. 2 Medicated
 Purina OF Broiler Chow Starter (V) 3 GC Medicated
 Purina Omolene
 Purina Pigeon Chow Checkers
 Purina Pig-Plus
 Purina Pig Startena Medicated
 Purina Poultry Booster Chow

RALSTON PURINA CO., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Pullet Developer
 Purina Pullet Developer GC Medicated
 Purina Pullet Developer NC Medicated
 Purina Pullet Developer NC No. 2 Medicated
 Purina Rabbit Chow Checkers (20%)
 Purina Rabbit Chow Checkers (Complete Ration)
 Purina Rabbit Chow Checkers (Complete Ration) SQ Medicated
 Purina Rabbit Chow Checkers NF (Complete Ration) Medicated
 Purina Rabbit Chow Checkers NF SQ (Complete Ration) Medicated
 Purina Rabbit Chow Checkers WO
 Purina Range Checkers
 Purina Roaster Chow
 Purina Roaster Chow NC Medicated
 Purina Roaster Chow NC No. 2 Medicated
 Purina Rolled Oats (Steam Cooked)
 Purina Special Steer Fatena 32%
 Purina Squab Broiler Chow 3 NC Medicated
 Purina Super Chick Startena Medicated
 Purina Super Chick Startena 3 GC Medicated
 Purina Super Chick Startena 3 NC Medicated
 Purina Super Chick Startena 3 NC No. 2 Medicated
 Purina Super Game Bird Startena
 Purina Super Layena (Complete Ration)
 Purina Turkey Breeder Layena
 Purina Turkey Breeder Layena NH Medicated
 Purina Turkey Broiler Finisher
 Purina Turkey Fatena
 Purina Turkey Fatena E
 Purina Turkey Fatena NH Medicated
 Purina Turkey Fatena NH Medicated
 Purina Turkey Fatena SQ Medicated
 Purina Turkey Finisher
 Purina Turkey Finisher No. 1
 Purina Turkey Finisher NH Medicated
 Purina Turkey Finisher No. 1 NH Medicated
 Purina Turkey Finisher No. 2
 Purina Turkey Finisher No. 2 NH Medicated
 Purina Turkey Growena
 Purina Turkey Growena No. 1
 Purina Turkey Growena No. 1 NH Medicated
 Purina Turkey Growena No. 1 SQ Medicated
 Purina Turkey Growena No. 2
 Purina Turkey Growena No. 2 NH Medicated
 Purina Turkey Growena No. 2 SQ Medicated
 Purina Turkey Growena SQ Medicated
 Purina Turkey Pre-Starter
 Purina Turkey Startena
 Purina Turkey Startena HS Medicated
 Purina Turkey Startena NH Medicated
 Purina Turkey Startena SQ Medicated

READING MILLING CO., INC., Reading, Pa.

Faramel All Mash Layer
 Faramel Rabbit Food Pellets

RELIABLE GRAIN & FUEL CO., 176 Westfield Ave., Ansonia, Conn.

Reliable 16% Dairy Feed

JAMES RICHARDSON & SONS, LTD., Royal Bank Bldg., Toronto, Canada
Canadian Pure Bran

ROBIN HOOD FLOUR MILLS, LTD., Moose Jaw, Montreal, Canada
Registered by International Milling Co., Minneapolis, Minn.
Superior Wheat Bran

H. M. RUBIN CO., INC., 53-01 Vernon Blvd., Long Island City, N. Y.
Rubco 55% Protein Meat & Bone Meal

RUSSELL-MILLER MILLING CO., 860 Grain Exchange, Minneapolis 15, Minn.
Occident Wheat Bran
Occident Wheat Germ Meal
Occident Wheat Mixed Feed with Ground Wheat Screenings not
Exceeding Mill Run or 8%
Occident Wheat Red Dog
Occident Wheat Standard Middlings with Ground Wheat Screenings
not Exceeding Mill Run or 8%

WOLF SAVITSKY & SONS, INC., Foot of White St., Shelton, Conn.

Wolf's Broiler Finisher Medicated
Wolf's Calf Ration
Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
Wolf's Complete Hi-Eff Growing Mash
Wolf's Complete Hi-Eff Profit Builder Medicated
Wolf's Egg Mash
Wolf's Hi-Speed Starter & Broiler Ration Medicated
Wolf's Horse Feed
Wolf's Performo-Las
Wolf's Pig & Hog Feed
Wolf's Sulfaquinoxaline-Arsanilic Acid Mixture in Super Hi-Eff
Starter & Broiler Ration
Wolf's Sulfaquinoxaline Mixture in Complete Hi-Eff Growing Mash
Wolf's Sweetened 14% Dairy Ration
Wolf's Sweetened 16% Dairy Ration
Wolf's Sweetened 18% Dairy Ration
Wolf's Sweetened 20% Dairy Ration

SCHENLEY DISTILLERS, INC., 350 Fifth Ave., New York 1, N. Y.

Schenley Mark of Merit Corn Distillers Dried Grains with Solubles
Schenley Mark of Merit Milo Distillers Dried Grains with Solubles
Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., R. D. No. 3, Nazareth, Pa.
Schoeneck's Super-Green Dehydrated Alfalfa Meal

SEACOAST PRODUCTS, INC., Lewes, Del.

Smith's Fish Meal (Lifeline) Stabilized with (Food Grade)
Butylated-Hydroxy-Toluene

JOSEPH E. SEAGRAM & SONS, INC., Louisville, Ky.

Seagram's Corn Distillers Dried Grains 24%
Seagram's Corn Distillers Dried Grains 26%
Seagram's Corn Distillers Dried Solubles

SEYMOUR GRAIN & COAL CO., 100 Main St., Seymour, Conn.

Miracle All-In-One Hog Ration
Miracle Broiler-Starter Medicated
Miracle 14% Calf Grower
Miracle Dairy 16%
Miracle Fitting 14%
Miracle Hi-Efficiency Grower
Miracle Hi-Energy All-Mash Layer
Miracle 20% Laying Mash
Miracle 20% Turkey Grower
Miracle 24% Turkey Growing Mash
See-More Milk Dairy Ration 18%
See-More Milk Dairy Ration 20%

THE SHERWIN-WILLIAMS CO., 101 Prospect Ave. N. W., Cleveland, Ohio

Sherwin-Williams 32% Linseed Oil Meal (A Blend of Expeller and
Solvent Extracted Meals

SILMO CHEMICAL CORP., Vineland, N. J.

(See also Vitamin Carriers)

Silmo Vit-Ad 750
Silmo Vit-Ay 10,000 MS
Silmo Vit-Ay 20,000 MS

THE W. J. SMALL CO., Div. Archer-Daniels-Midland Co., P.O. Box 356,
Kansas City, Mo.

Small's 17% Dehydrated Alfalfa Meal

ALLEN V. SMITH INC., Marcellus Falls, N. Y.

Smith's Barley Feed (Red Tag Brand)

J. HOWARD SMITH, INC., Port Monmouth, N. J.

Smith's Lifeline Fish Meal

SOUTHERN FRUIT DISTRIBUTORS INC., P. O. Box 671, Orlando, Fla.

Bluebird Citrus Pulp

SOUTH WINDSOR GRAIN CO., South Windsor, Conn.

Valley Laying Mash

A. E. STALEY MANUFACTURING CO., Decatur, Ill.

Staley's 21% Corn Gluten Feed
Staley's 41% Corn Gluten Meal
Staley's Corn Oil Meal
Staley's HI-PRO-CON 50% Protein Dehulled Solvent Extracted
Soybean Oil Meal
Staley's 44% Protein Solvent Extracted Soybean Oil Meal

STANDARD BRANDS INC., 625 Madison Ave., New York 22, N. Y.

Fleischmann's FIDY Type 36-F Irradiated Dry Yeast
Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

D. A. STICKELL & SONS, INC., Hagerstown, Md.

Stickell's Horse Feed
Su-Pur Rabbit Pellets

F. W. STOCK & SONS, INC., Hillsdale, Mich.

Stock's Wheat Bran
Stock's Wheat Middlings

SUNI-CITRUS PRODUCTS CO., Haines City, Fla.

Registered by Cocks & Co., Atlanta, Ga.

Suni-Citrolas
Sweet Suni-Citrus Pulp

SUNNY SLOPE FARMS, INC., Box 234, Nazareth, Pa.

Sunny Slope Farms Brand Dehydrated Alfalfa Meal

SWIFT & CO., Box 110, Fostoria, Ohio

Swift's 41% Protein Solvent Extracted Cottonseed Meal or Pellets
Swift's 44% Protein Solvent Extracted Soybean Oil Meal
Swift's 50% Protein Dehulled Solvent Extracted Soybean Oil Meal

TREESWEET PRODUCTS CO., P. O. Box 72, Fort Pierce, Fla.

Treesweet Brand Dried Citrus Pulp

TRI ASSOCIATES, INC., 8500 Pillsbury Ave. South, Minneapolis, Minn.

(See also Vitamin Carriers)

Tri's Grade A Calf Milk Replacer

TROPICANA PRODUCTS, INC., Bradenton, Fla.

Tropicana's Sweetest Dried Citrus Pulp

ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill.

Ultra Brand Poul-Centrate
Ultra-Life Calf Food Pellets
Ultra-Life High Energy Poultry
Ultra-Life Livestock
Ultra-Life 3-Nitro-4-hydroxy Mix Incorp. in Ultra-Life Broiler-Gro
Ultra-Life Pig-Gro

UNITED CO-OPERATIVE FARMERS, INC., 339 Broad St., Fitchburg, Mass.

UCF Breeder Medicated
UCF Calf Meal
UCF Calf Starter
UCF 16% Dairy
UCF 18% Dairy
UCF 20% Dairy
UCF 16% (Plus A) Dairy Medicated
UCF Fitting Ration
UCF Grower Medicated
UCF Hi NRG All Mash Breeder Medicated
UCF Hi NRG All Mash Grower & Layer Medicated
UCF Hi NRG Poultry Finishing Ration Medicated Arsanilic Acid
UCF Hi NRG Poultry Finishing Ration Medicated Glycarbylamide
UCF Hi NRG Poultry Finishing Ration Medicated Nitrofurazone
UCF Hi NRG Poultry Finishing Ration Medicated Nicarbazine
UCF Horse Feed
UCF Layer Medicated
UCF Medicated Booster - Booster 100
UCF Medicated Booster - Booster 200

UNITED CO-OPERATIVE FARMERS, INC., Fitchburg, Mass. - Cont.

UCF Medicated Booster - Booster NF
UCF Pig & Hog Feed
UCF Poultry Fitting Ration
UCF Succulent Dairy
UCF Super Broiler Mash Medicated Arsanilic Acid
UCF Super Broiler Mash Medicated Glycarbylamide
UCF Super Broiler Mash Medicated Nicarbazine
UCF Super Broiler Mash Medicated Nitrofurazone
UCF Super Starter
UCF Super Starter Medicated .002 Glycarbylamide
UCF Super Starter Medicated .003 Glycarbylamide
UCF Super Starter Medicated Nitrofurazone
UCF Super Starter Medicated Sulfaquinoxaline

UNITY FEEDS INC., 177 Milk St., Boston, Mass.

Unity Booster-Ettes Medicated
Unity Broiler Maker Medicated
Unity Complete Rabbit Pellets
Unity Dairy & Fitting Ration
Unity 16% Dairy Ration
Unity Growing & Laying Mash
Unity High Energy Growing & Laying Mash
Unity Horse Feed
Unity Improved Calf Ration
Unity Pig & Hog Ration
Unity Roaster Maker Pellets Medicated
Unity Scratch Feed
Unity Super Starter Medicated
Unity Trim Medicated

UNIVERSAL GRAIN CO. of NEW JERSEY, 425 South St., Newark, N. J.

Superior Cow Brand Dried Brewers Grains

GEORGE URBAN MILLING CO., 332 No. Oak St., Buffalo, N. Y.

Wheat Standard Middlings with Ground Screenings not Exceeding Mill Run

VALLEY POULTRY FARM, Woodstock Valley, Conn.

Valco Broiler Feed

HIRAM WALKER & SONS, INC., Foot of Edmund St., Peoria, Ill.

Corn Distillers' Dried Grains with Solubles

WILLIAM S. WARREN & SON, Eastford, Conn.

Registered by Clyde Milling Corp., Clyde, N. Y.

Warren's Dairy Fitting Ration
Warren's 16 Dairy Ration
Warren's Laying Mash

Registered by Delaware Milling Co., Inc., Deposit, N. Y.

Warren's C & C Breeder Mash
Warren's C & C Complete Growing Mash
Warren's C & C Complete Laying Mash
Warren's C & C Laying Mash
Warren's Chick Starter

WILLIAM S. WARREN & SON, Eastford, Conn. - Cont.

Registered by Delaware Milling Co., Inc., Deposit, N. Y. - Cont.

Warren's Complete Grower
Warren's Fitting Ration
Warren's Indian 16% Dairy
Warren's Laying Mash
Warren's 16% Test Ration

Registered by Harper Feed Mills, Inc., Washington, Pa.

Warren's Complete Growing Mash
Warren's Complete Laying Mash
Warren's Complete Lay Pellets
Warren's Complete Starting Mash
Warren's 20% Laying Mash
Warren's Test Cow 16% Dairy with Pellets

THE WATERTOWN CO-OPERATIVE ASS'N., INC., Watertown, Conn.

Co-op Red Tag 16%
Watertown Co-op 16% Dairy Feed

H. K. WEBSTER CO., Lawrence, Mass.

Blue Seal Advance Broiler Medicated
Blue Seal All-Mash Breeder's Ration
Blue Seal All-Mash Egg Ration
Blue Seal All-Mash Grow & Lay
Blue Seal All-Mash Grow & Lay Medicated
Blue Seal All-Mash Growing Ration
Blue Seal All-Mash Growing Ration Medicated
Blue Seal Calf Starter
Blue Seal Chick Feed
Blue Seal Chick Starter Medicated
Blue Seal Coarse "16" Dairy Ration
Blue Seal Coarse "20" Dairy Ration
Blue Seal "32" Dairy Concentrate
Blue Seal Economizer "16" Dairy Ration
Blue Seal Egg Mash
Blue Seal Fat and Finish Ration
Blue Seal Fat and Finish Ration Medicated
Blue Seal Fitting Ration
Blue Seal Flaked 15
Blue Seal Goat Feed
Blue Seal Growing Mash
Blue Seal Horse Feed
Blue Seal Medicated Chick Booster
Blue Seal Medicated Poultry Zest
Blue Seal Pig Feed
Blue Seal Poultry and Turkey Fitting
Blue Seal Rabbit Pellets
Blue Seal Standard 16 Dairy Ration
Blue Seal Standard 20 Dairy Ration
Blue Seal Standard "14" Fitting Ration
Blue Seal Succulent Feed and Calving Ration
Blue Seal Super Breeder's Mash
Blue Seal Test Ration
Blue Seal Turkey Growing

WESTERN CONDENSING CO., Box 739, Appleton, Wis.

(See also Vitamin Carriers)

Peebles' Free Choice Feed
Peebles' 10-28 Super Calf-Kit

WEST-NESBITT INC., 26-34 Market St., Oneonta, N. Y.

All Pure Milk Ration
Cream-Line 16% Dairy Ration
Cream-Line Dairy Test Ration
Pure Feed Broiler Finisher Medicated
Pure Feed Broiler Starter Medicated
Pure Feed Chick Grains
Pure Feed Complete Grower
Pure Feed Complete Layer-Breeder
Pure Feed Complete Rabbit Pellets
Pure Feed Dairy Ration
Pure Feed Dairy-Test Ration
Pure Feed Egg & Breeder
Pure Feed Egg Maker
Pure Feed 14% Fitting Ration
Pure Feed Grower
Pure Feed Horse Ration
Pure Feed Starter
Pure Feed Starter Medicated
Pure Feed Swine Ration
Pure Feed Turkey Finisher
Pure Feed Turkey Grower
Pure Feed Turkey Starter Medicated

A. C. WETHERELL, Suffield, Conn.

Dewhurst 16% Dairy Ration
Special Dairy Mixture No. 3

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)

Flav-A-Dee
Gro-Tein

THE GEO. WIEDEMANN BREWING CO., 601 Columbia St., Newport, Ky.

Brewers Dried Grains

WILKINS-ROGERS MILLING CO., INC., 3261 K St. N. W., Washington, D. C.

Washington Laying Mash

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE, Winter Garden, Fla.

Wholesun Dried Citrus Pulp

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass.

Rex Wheat Bran (Mfd. by Maple Leaf Milling Co., Toronto, Canada)
Rex Wheat Middlings (Mfd. by Maple Leaf Milling Co., Toronto, Canada)
Dienestrol Diacetate - Nicarbazin - Sodium Arsanilate Mixture in
Wirthmore Finisher 423
Wirthmore All Pellet 16% Dairy Feed
Wirthmore Baby Chick Scratch
Wirthmore Big W 16% Dairy
Wirthmore Big W 20% Dairy

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. - Cont.

Wirthmore Big W Silage Preservative
 Wirthmore Breeder Mash
 Wirthmore 40% Broiler Concentrate
 Wirthmore 40% Broiler Concentrate 497 Medicated Glycarbylamide
 Wirthmore 40% Broiler Concentrate 497 Medicated Nicarbazine
 Wirthmore Broiler Finisher 422 Medicated Glycarbylamide
 Wirthmore Broiler Finisher 422 Medicated Nicarbazine
 Wirthmore Broiler Starter 407 Medicated Glycarbylamide
 Wirthmore Broiler Starter 407 Medicated Nicarbazine
 Wirthmore Calf Starter Meal
 Wirthmore Calving Feed
 Wirthmore Chick Starter
 Wirthmore Chick Starter 400 Medicated
 Wirthmore Chick Starter 401 Medicated Glycarbylamide
 Wirthmore Chick Starter 401 Medicated Nicarbazine
 Wirthmore Coarse Test Dairy Feed
 Wirthmore Coccidiosis Treatment Ration
 Wirthmore Commercial Grower Layer
 Wirthmore Commercial High Calorie Broiler Starter 601 Medicated
 Wirthmore Commercial High Calorie Broiler Starter 610 Medicated
 Wirthmore Commercial Hi-Ener-G Broiler Ration 602 Medicated
 Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Medicated
 Wirthmore Complete Breeder Ration
 Wirthmore Complete Egg Ration
 Wirthmore Complete Egg Ration 412 Medicated
 Wirthmore Complete Growing Ration
 Wirthmore Complete Growing Ration 409 Medicated
 Wirthmore Complete Turkey Breeder Ration
 Wirthmore Complete Turkey Fattening Ration
 Wirthmore Complete Turkey Fattening Ration 443 Medicated
 Wirthmore Complete Turkey Growing Ration
 Wirthmore Complete Turkey Growing Ration 442 Medicated
 Wirthmore 16 Dairy Feed
 Wirthmore 20 Dairy Feed
 Wirthmore 36% Dairy Mixing Feed
 Wirthmore 16 Dairy Record Feed
 Wirthmore 18 Dairy Record Feed
 Wirthmore 32 Dairy Supplement
 Wirthmore Finisher 425 Medicated
 Wirthmore 14 Fitting Feed
 Wirthmore Fodder Greens
 Wirthmore Game Bird Grower Ration
 Wirthmore Game Bird Starter 480 Medicated
 Wirthmore Green Mountain 14
 Wirthmore Green Mountain 16
 Wirthmore Green Mountain 20
 Wirthmore Grow & Egg Mash
 Wirthmore Grow & Egg Mash 415 Medicated
 Wirthmore Growing Scratch
 Wirthmore Hi-Ener-G 16
 Wirthmore Hi-Ener-G 16 456 Medicated
 Wirthmore Hi-Ener-G Breeder
 Wirthmore Hog Grower
 Wirthmore Hog Grower 521 Medicated
 Wirthmore Horse Feed
 Wirthmore Improved Hi-Ener-G Broiler Ration 403 Medicated Glycarbylamide
 Wirthmore Improved Hi-Ener-G Broiler Ration 403 Medicated Nicarbazine

WIRTHMORE FEEDS INC., 343 Winter St., Waltham, Mass. - Cont.

Wirthmore Improved Hi-Ener-G Broiler Ration 404 Medicated Glycarbylamide
 Wirthmore Improved Hi-Ener-G Broiler Ration 404 Medicated Nicarbazine
 Wirthmore Improved Hi-Ener-G Starter & Broiler Ration
 Wirthmore Meatless Mink Food
 Wirthmore Medicated 200
 Wirthmore Medicated Broiler Perk
 Wirthmore Medicated Ketrol
 Wirthmore Medicated Pig Zip
 Wirthmore Medicated Quickies
 Wirthmore Medicated Rabbit Pellets 553
 Wirthmore Medicated Treat 431
 Wirthmore Medicated Turk-E-Perk 435
 Wirthmore Mink Food
 Wirthmore Pig & Sow Feed
 Wirthmore Pig & Sow Feed 520 Medicated
 Wirthmore 36% Poultry Concentrate
 Wirthmore Poultry Fitting
 Wirthmore Poultry Flush
 Wirthmore Poultry Wormer
 Wirthmore Production Scratch
 Wirthmore Rabbit Pellets
 Wirthmore Roaster Finisher 425 Medicated
 Wirthmore Sheep & Goat Feed
 Wirthmore Special Scratch Feed with Cracked Corn
 Wirthmore Special Scratch Feed with Whole Corn
 Wirthmore Stock Feed
 Wirthmore Stock Primer
 Wirthmore Super Layer Ration 458 Medicated
 Wirthmore Super Pellets
 Wirthmore Turkey Breeder Ration
 Wirthmore Turkey Growing Ration
 Wirthmore Turkey Growing Ration 433 Medicated
 Wirthmore Turkey Growing Ration 441 Medicated
 Wirthmore Turkey Starter 419 Medicated
 Wirthmore Twin-Mix Calf Feed

WIRTHMORE FEED CO., Concord, N. H.

Hygrade 16% Dairy

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

Big Y All in All Egg Ration
 Big Y All in All Growing Ration
 Big Y Breeder Mash
 Big Y Calf Starter & Builder
 Big Y Calving Ration
 Big Y Chick Scratch Grain
 Big Y Chlortetracycline Mixture 0.05%
 Big Y Confinement Growing Mash
 Big Y Confinement Growing Mash with Glycarbylamide
 Big Y Controlled Growing Ration
 Big Y Dairy & Fitting Ration
 Big Y 16% Dairy Ration
 Big Y 18% Dairy Ration
 Big Y 20% Dairy Ration
 Big Y Dairy Ration - Purity
 Big Y 32% Dairy Supplement Feed

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn. - Cont.

Big Y Egg Maker
 Big Y Extra Production Laying Mash Medicated
 Big Y Fattening Pellets
 Big Y Hi-Efficiency Breeder Ration
 Big Y Hi-Efficiency Grower
 Big Y Hi-Efficiency Grower with Glycarbylamide
 Big Y Hi-Efficiency Laying Mash
 Big Y Hi-G Dairy Ration
 Big Y Hi-G Scratch Feed
 Big Y Hog & Pig Ration
 Big Y Horse Feed
 Big Y Improved Al-Mo
 Big Y Improved Turkey Starter & Game Bird Feed
 Big Y Improved Turkey Starter & Game Bird Feed with Sulfaquinolaxine
 Big Y Intermediate Chick Grain
 Big Y 20% Laying Mash
 Big Y M & O Growing Feed
 Big Y Meat Pullet & Caponette Ration
 Big Y Peerless Broiler & Starter Ration with Glycarbylamide
 Big Y Poultry Fitting Ration
 Big Y Powerhouse Crumbles Medicated
 Big Y Pre-Starter with Glycarbylamide
 Big Y Rabbit Pellets
 Big Y Scratch Feed
 Big Y Sheep & Goat Feed
 Big Y Stock Feed
 Big Y Super Starter Ration
 Big Y Super Starter with Glycarbylamide
 Big Y Supreme Laying Mash
 Big Y Test Cow Ration
 Big Y Turkey Breeder Mash
 Big Y Turkey Fattener
 Big Y Turkey Growing Feed

YIELDMOR FEEDS, INC., Box 807, Piqua, Ohio

David Small's D. S. H. S. Broiler Feed Medicated (DS-20)
 David Small's D. S. H. S. Broiler Feed Medicated Glycarbylamide
 David Small's D. S. H. S. Broiler Feed Medicated Nicarbazin
 David Small's D. S. H. S. Finishing Feed Medicated (DS-21)
 David Small's D. S. H. S. Finishing Feed Medicated Glycarbylamide
 David Small's D. S. H. S. Finishing Feed Medicated Nicarbazin
 David Small's Growing Mash
 David Small's High Efficiency All Mash Breeder Medicated
 David Small's Male Breeder
 .0023% Dienestrol Diacetate with .0125% Nicarbazin & Arsonic
 Growth Stimulant in Yieldmor 20% Caponette Feed (F-23)
 .0035% Dienestrol Diacetate with .0125% Nicarbazin & Arsonic
 Growth Stimulant in Yieldmor Caponette Finishing Feed (F-35)
 Yieldmor 20% Caponette Feed F-20 Medicated
 Yieldmor 23% Finishing Feed F-325 Medicated
 Yieldmor 23% Finishing Feed F-425 Medicated
 Yieldmor 24% Super Broiler B-34 Medicated
 Yieldmor 24% Super Broiler B-39 Medicated
 Yieldmor 24% Super Broiler B-42 Medicated
 Yieldmor 24% Super Broiler B-43 Medicated
 Yieldmor 24% Super Broiler B-125 Medicated
 Yieldmor 24% Super Broiler B-425 Medicated
 Yieldmor 20% Super Finisher F-2 Medicated

YIELDMOR FEEDS, INC., Box 807, Piqua, Ohio - Cont.

Yieldmor 20% Super Finisher F-12 Medicated
 Yieldmor 20% Super Finisher F-13 Medicated
 Yieldmor 20% Super Finisher F-14 Medicated
 Yieldmor 20% Super Finisher F-125 Medicated
 Yieldmor Sweet Feed

MEYER ZAUSNER INC., New Holland, Pa.

Zausner Condensed Whole Whey

WITAMIN CARRIERS

AMERICAN CYANAMID CO., P. O. Box 672, Princeton, N. J.

(See also Feeds)

Fortafeed 2-2-12-50
 Fortafeed 2-22
 Fortafeed 2-22C
 Fortafeed 2-49-90
 Fortafeed 2-49C
 Fortafeed 4 Riboflavin
 (PA-45) Pantothenic Acid
 Profactor 6-Vit. B₁₂
 Profactor 10

THE BEACON MILLING CO., Inc., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.

(See also Feeds)

Beacon High Vitamin D₂ Mix

THE BORDEN CO., Special Products Div., 350 Madison Ave., New York, N. Y.

(See also Feeds)

Borden's Dry D
 Flaydry Poultry Feed Supplement

CHEMO PURO MFG. CORP., 150 Doremus Ave., Newark, N. J.

Chemo Nutrient Premix Code No. MGS-2

CLINTON CORN PROCESSING CO., Clinton, Iowa

Clinton CFS Concentrate No. 3

COMMERCIAL SOLVENTS CORP., 260 Madison Ave., New York, N. Y.

(See also Feeds)

B-Y-21 Riboflavin Supplement
 B-Y Vitamin Feed Supplement 60

DAWE'S LABORATORIES, INC., 4800 So. Richmond St., Chicago, Ill.

(See also Feeds)

Dawe's Fermentation Flavonne
 Dawe's Pan-Dex 16
 Dawe's Premix No. 1
 Dawe's Premix No. 2
 Dawe's Premix No. 111

DAWE'S LABORATORIES, INC., 4800 So. Richmond St., Chicago, Ill. - Cont.

Dawe's Riboflavin Supplement 4
 Dawe's Vitamek Ruminant Type
 3-Nitro-4-Hydroxy Mixture in Special Broiler Mix No. 571-D

E. I. duPONT deNEMOURS AND COMPANY, Wilmington, Del.

(See also Feeds)

DU PONT DELSTEROL 3000-D, "D"-Activated Animal Sterol
 (Vitamin D₃) in Corn Meal

EASTERN STATES FARMERS' EXCHANGE, INC., West Springfield, Mass.

(See also Feeds)

Calfsaver Tablets

THE FOX CO., Newfield, N. J.

(See also Feeds)

Foxco D Activated Animal Sterol (Source of Vitamin D₃)
 Foxco Flavitein
 Foxco Qualadee A & D Feeding Oil
 Foxco Vitamin D Feeding Oil

GORTON'S OF GLOUCESTER, INC., 327 Main St., Gloucester, Mass.

(See also Feeds)

Gorton's Al-Blend "Junior"

KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New York 16, N. Y.

(See also Feeds)

Kaff-A
 Kaff-A Booster Pellets
 Pex for Broilers
 Pex for Layers - Breeders
 Pex for Poultry
 Pex for Poultry - Block

THE MERCHANTS CREAMERY CO., 536 Livingston St., Cincinnati, Ohio

(See also Feeds)

Blue Ribbon Emulsion
 Blue Ribbon Special

MERCK & CO., INC., Rahway, N. J.

No. 742 Feed Supplement
 No. 659 Vitamin Mixture
 No. 444 Vitamin Mixture

MYZON, INC., 3129 W. 47th St., Chicago, Ill.

Myzon Formula 62 Poultry Builder
 Myzon Poultry Builder
 Myzon Swine Builder

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave. So., Minneapolis 6, Minn.

Calvita Calf Formula

NOPCO CHEMICAL CO., Harrison, N. J.

(See also Feeds)

Niacin 50%
 Nopco-Pak Hi-Lay Premix (Code DDA)
 Nopco-Pak Super Premix (Code DCR)
 Nopdex 3000

CHAS. PFIZER & CO., INC., 11 Bartlett St., Brooklyn, N. Y.

High Lay Premix

SILMO CHEMICAL CORP., Vineland, N. J.

(See also Feeds)

Silmo MFD Vitamin D₂
 Silmo 300 Vitamin A & D Feeding Oil
 Silmo Vit-ad 750
 Silmo Vit-ay 10,000 MS
 Silmo Vit-ay 20,000 MS
 Silmo XX

STABILIZED VITAMINS, INC., 57-59 Commerce St., Brooklyn, N. Y.

Dry D, 15,000
 Perma-Mix C. C. C. No. 1
 Perma-Mix C. C. C. No. 2
 Perma-Mix C. C. C. No. 3

STANDARD BRANDS INC., 625 Madison Ave., New York, N. Y.

Fleischmann's FIDY Type 36-F Irradiated Dry Yeast
 Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

TRI ASSOCIATES, INC., 8500 Pillsbury Ave. South, Minneapolis, Minn.

(See also Feeds)

Tri's Grade A Calf Milk Replacer

U. S. INDUSTRIAL CHEMICALS CO., 99 Park Ave., New York, N. Y.

U.S.I. Brand Riboflavin Supplement No. 4

VITARON CHEMICAL MFG. CO., 146 Monroe St., Garfield, N. J.

Vitaron Vitamin A and D Feeding Oil

WESTERN CONDENSING CO., Box 739, Appleton, Wis.

(See also Feeds)

Peebles' Free Choice Feed
 Peebles' 10-28 Super Calf-Kit

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Complete Starter Premix No. 3
 Dri-Col 1500 D₃
 Flav-A-Dee
 Gro-Tein
 Whitcod 300D-2250A
 Whitcod Pure Cod Liver Oil USP Non Destearinated
 Whitmoyer Quality Vitamin A & D Feeding Oil

THE YANTIC GRAIN & PRODUCTS CO., 3 Cove St., Norwich, Conn.

Big Y Vitamin A and D Feeding Oil

SUMMARY OF INSPECTION

In the calendar year 1958, a total of 2,227 samples was examined. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	159
Check feeds, A. A. F. C. O., etc.	13
Commercial feeding stuffs, official samples	861
Miscellaneous feeds, etc., analyzed for purchasers	178
Pasture grass, etc., samples for Storrs Station	912
Vitamin carriers	104
	<u>2,227</u>

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not for discussion in this report.

Commercial Feeding Stuffs

For the reasons explained in last year's report², while medicated feeds have been analyzed since 1949 it was not until 1957 that such feeds were required to be registered under the Feeding Stuffs Law. In both 1957 and 1958 the Station agent endeavored to locate and sample all brands of feeds - whether medicated or not - on sale in this State, and the guaranties for all declared medicants were checked in the laboratory so far as possible on such samples in addition to making the usual protein, fat and fiber determinations.

The results of our analyses of the official samples can be summarized as follows:

Total number of samples		861
Samples deficient in:		
one item	78	
two items	10	
three items	1	89
Percentage of samples meeting guaranties		90
Total guaranties made		2,764 ³
Guaranties not met:		
protein	13	
fat	46	
fiber	16	
arsanilic acid	9	
nicarbazin	7	
3-nitro-4-hydroxyphenylarsonic acid	6	
sulfaquinoxaline	4	101
Percentage of guaranties met		96

² Conn. Agr. Expt. Sta. Bul. 616, 44 (1958).

³ Fifty-two samples with five guaranties, 84 with four guaranties, 718 with three guaranties and seven with two guaranties (guaranties for antibiotics and other undetermined medicants not included).

The proportion of samples meeting all guaranties was noticeably greater than the 84 per cent found in 1957, and it should be particularly noted that there was a substantial decrease in samples deficient in protein and fat: From 31 to 13 in the case of proteins and from 77 to 46 in the case of fat. The overall percentage of satisfactory guaranties, however, has remained substantially constant (between 95 and 96) since 1955.

Two samples call for special notice: (1), In the case of 5792, Wayne Chick Starter (133) Medicated, 0.0095 per cent of arsanilic acid had been substituted for the declared 0.0025 per cent of 3-nitro-4-hydroxyphenylarsonic acid; and (2), 6054, Clyde R. S. 10, was found to be contaminated with 6.8 parts per million of DDT that had been carried into the feed as a spray residue on its apple pomace constituent. Since there is a zero tolerance for DDT in dairy cattle feeds, this latter feed was suitable only for feeding to beef animals.

Analyses are given in Table 1; deficiencies are shown by wavy underlining as follows: ~~~~. (Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and $\frac{1}{2}$ 20 per cent of guaranty for drugs and other minor ingredients.)

Vitamin Carriers

Seventy-one samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old chicks for poultry feed supplements and rats for supplements for four-footed animals. Forty-four of these samples guaranteed two or more additional vitamins (either riboflavin and niacin or riboflavin, niacin and pantothenic acid), and results for these vitamins are included in Table 2 under the respective samples. This table also lists 33 samples which contained no vitamin D; 22 of these were sold as sources of riboflavin, niacin and pantothenic acid, while two were offered as concentrates of riboflavin plus niacin, and six guaranteed riboflavin only, two niacin only, and one pantothenic acid only.

All of the vitamin D samples met their guaranties for this vitamin or came sufficiently close thereto to be passed. This 100 per cent passing ratio has never been reached in previous years, although the ratio for 1957 was 97 per cent. During the entire 22-year period from 1937 to 1958 inclusive that such vitamin D assays have been run, 1,184 samples have been examined, of which 1,078, or 91 per cent, have been passed.

On the basis of a $\frac{1}{2}$ 20 per cent tolerance, the numbers of samples failing to meet their guaranties for the other vitamins were as follows:

Deficient in	No. of samples
Riboflavin, niacin and pantothenic acid	8
Riboflavin and niacin	10
Niacin and pantothenic acid	5
Riboflavin and pantothenic acid	1
Riboflavin	10
Niacin	2
Pantothenic acid	4
	<u>40</u>

Of the total of 104 samples, 64 (62 per cent) met all guaranties. Two hundred and five out of the total of 277 guaranties, or 74 per cent, were met.

Miscellaneous Feeds

One hundred and seventy-eight unofficial samples of feed and fodder materials were examined. This total included commercial feeds carried over from stock purchased by dealers prior to 1958, other mixed feeds and feed ingredients analyzed at the request of purchasers, dealers, the Federal Correctional Institution at Danbury and the State Supervisor of Purchases, and samples of hay and silage submitted by farmers.

Analyses of two unusual feed materials may be of interest:

4483. Chicken Waste. Connecticut By-Products, Inc., Columbia, Conn. Protein, 24.88; water, 3.09; fat, 64.60, and fiber, 0.50 per cent.

6234. Peanut Hearts. Brooklawn Grain & Feed Co., Bridgeport, Conn. Protein, 29.44; water, 4.32; fat, 45.51, and fiber, 2.30, per cent.

The following medicated feeds contained too much or too little of a declared drug:

4010. Special Mix for Albert Bartizek. Ralston Purina Co., St. Louis, Mo. Sulfaquinoxaline, per cent: Guaranteed, 0.025; found 0.0192.

6348. Super Ma-Co Broiler Finishing Ration, Medicated Crumbles. Maritime Milling Co., Inc., Buffalo, N. Y. Nicarbazine, per cent: Guaranteed, 0.0125; found, 0.0150. Arsanilic acid, per cent: Guaranteed, 0.01; found, 0.0148.

6349. Super Ma-Co Broiler Ration Medicated. Maritime Milling Co., Inc., Buffalo, N. Y. Nicarbazine, per cent: Guaranteed, 0.0125; found, 0.0058. Arsanilic acid, per cent: Guaranteed, 0.01; found, 0.0123.

4843. Wolf's Hi-Speed Starter & Broiler Ration Medicated. Wolf Savitsky & Sons, Inc., Shelton, Conn. (Sample submitted by State Supervisor of Purchases.) Sulfaquinoxaline, per cent: Guaranteed, 0.0175; found, 0.0161. Arsanilic acid, per cent: Guaranteed, 0.0090; found, 0.0122.

It is known that if feeds containing the coccidiostat nicarbazine are fed to laying hens the eggs of such hens may be discolored. This fact led to the submission to us in 1958 of six samples of feeds with requests that they be tested for the presence of undeclared nicarbazine which was suspected of being responsible for abnormal egg production. The drug was detected in the following five (although in minute proportions in some cases):

4732. Dayville High Energy Grower-Layer Pellets. Dayville Grain & Feed Co., Dayville, Conn. Nicarbazine, 0.0102 per cent.

6128. Purina Lay Chow E Checkers. Ralston Purina Co., St. Louis, Mo. Nicarbazine, 0.0004 per cent.

5801. Unknown Brand. William Kauppi, Canterbury, Conn. Nicarbazine, 0.0012 per cent.

6346. Unknown Brand. Joseph Libitzki, Colchester, Conn. Nicarbazine, 0.0030 per cent.

4655. Wirthmore Complete Turkey Breeder Ration. Wirthmore Feeds, Inc., Waltham, Mass. Nicarbazine, 0.0006 per cent.

As usual, a number of materials were submitted because they were suspected of having caused the illness or death of animals. Tests for deleterious substances were completely negative on all feed samples except the following eight:

3103A, 3103B, 3538 and 3539. Big Y Rabbit Pellets. Yantic Grain & Products Co., Norwich, Conn. These four samples were submitted by a rabbit breeder with a complaint that several of her rabbits had died after being put on this feed. Tests for all poisons and for drug ingredients of poultry feeds were negative; microscopic examinations showed only the declared alfalfa meal, wheat bran, ground oats, soya bean meal, wheat middlings, ground corn meal, calcium carbonate and salt; and two rats kept on the feed for four days suffered no ill effect and actually gained weight. However, when two rabbits were placed on the same diet one died in 26 hours, while the other became very quiet and stopped eating and drinking for a while but recovered completely in five days while still on the feed. The explanation that seemed to fit the facts best was that this particular lot of feed (there had been no complaint from other purchasers of the same brand) was a carrier of some disease to which rabbits were susceptible.

6013. Cat Food. Mrs. Paul Arpin, Norwich, Conn. Copper, 12 parts per million.

4318 and 4319. Test Cow Ration. Yantic Grain & Products Co., Norwich, Conn. Steel shaving, fragments of cast iron or steel and particles of slag present.

6072. Unknown Chicken Feed. Peter Markowitz, Putnam, Conn. Nicarbazine, 0.135 per cent, which is 11 times the normal dosage.

Two samples which were not feeds were submitted in connection with animal-poisoning cases. While the results of their analysis were not significant from a poisoning standpoint they may be of interest:

4772. Material for Treating Hay. Frank Denny, Terryville, Conn. Sodium bicarbonate, 75.0; sodium carbonate, 8.3; calcium carbonate, 12.2, and water and undetermined, 4.5 per cent.

5983. Yellow Powder Found in Pasture. William Harper, Torrington, Conn. This powder proved to be straight sulphur.

Biological Specimens Examined for Poisons

One hundred and fifty-nine biological specimens were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 56 of these, poisonous substances were found in sufficient quantity to suggest probable or possible causes of death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Antimony (2), arsenic (1), arsenic with cadmium (1), arsenic with copper (Paris Green) (1), arsenic with cyanide (1), beryllium (22), cadmium (1), chlordane (1), copper (2), cyanide (1), DDE (2), lead (13), lead with thallium (1), mercury (3), mushrooms (3) and zinc (1). The 22 beryllium samples did not represent actual cases of animal poisoning but were air filter mats submitted by the Bureau of Industrial Hygiene of the State Department of Health in connection with factory inspections. Excluding these, the predominant poison was lead, with 14 cases.

The Paris Green (copper acetoarsenite) sample consisted of a chicken bone smeared with this pigment which had caused the death of a dog; no doubt this was a case of malicious poisoning. The one case of chlordane poisoning involved a puppy that had frequented premises treated by a professional pest exterminator; about 0.35 parts per million of this pesticide was found in the combined stomach and liver tissue by the method of Williams.⁴ Copper is not usually thought of as a poisonous element, but copper poisoning in sheep has been reported before⁵, and in both the cases of copper poisoning listed above sheep were involved and the copper contents of the livers were abnormally high (about 100 parts per million). The two specimens in which DDE (a metabolic product of DDT) was found were jays. Of the three cases of mercury poisoning one each was a fox, a dog and an owl.

The three cases of mushroom poisoning were human ones in which the mushrooms themselves were referred by the Poison Control Center of the State Department of Health to this Station for classification as to their relative toxicities. Species identification was first made so far as possible by Mrs. Frances Meyer of the Plant Pathology Department, after which Dr. Lester Hankin of our microbiological laboratory prepared aqueous extracts and injected them into weanling rats. In the case of one sample (5513) identified as *Amanita Russuloides* the extract produced partial paralysis, rapid breathing and slow response to stimuli 30 minutes after injection, slight muscle tremors in another 15 minutes, with beginning recovery in three hours and apparently complete recovery in five hours; upon sacrifice of one animal hemorrhagic areas were noted on the liver and kidneys. A specimen identified as *Amanita Muscaria* or *Spretta* (5493) caused prostration, complete paralysis and no response to stimuli one hour after injection, with partial recovery in two hours and disappearance of all symptoms in three hours. When an extract of the third specimen (5476) - which had been tentatively identified as *Amanita Spretta* - was injected, the animal fell into deep sleep with very heavy breathing within one-half hour, and died an hour later; hemorrhagic areas were found on the liver, kidneys, heart and spleen, and the bladder was distended.

⁴ J. Assoc. Official Agr. Chem., 40, 257. (1957).

⁵ "Keeping Livestock Healthy", Yearbook of Agriculture, 1942, U.S. Dept. of Agriculture, p. 336.

Check Feeds

Twelve feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and one sample of alfalfa was assayed for carotene in a program also sponsored by that association.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
ACME-EVANS CO. INC., Indianapolis, Ind.				
6272	Acme Wheat Bran	10.87	14.00	15.25
4675	Acme Wheat Standard Middlings	11.84	14.00	15.13
5977	Acme Yellow Hominy	12.76	9.00	9.75
ALBERS MILLING CO., Los Angeles, Calif.				
6087	Albers Calf Manna	11.07	25.00	27.00
6089	Albers Rabbit Breeder Ration	10.47	15.00	16.75
6295	Albers Rabbit Family Ration	9.82	18.00	18.00
6088	Suckle	8.88	24.00	26.25
ALLIED MILLS, INC., Chicago, Ill.				
6447	Sucrene 16% Dairy "P"	9.21	16.00	19.38
5777	Wayne Broiler Feed (157) Medicated	13.46	20.00	21.00
7443	Wayne Calf Grower	11.82	15.00	19.75
6450	Wayne Calfnip	6.89	23.00	23.00
7446	Wayne Calf Starter "A"	10.73	16.00	17.38
6110	Wayne Chick Feed	11.92	9.00	9.00
5792	Wayne Chick Starter (133) Medicated	12.73	20.00	23.28
6453	Wayne 16% Dairy	11.06	16.00	19.00
6109	Wayne 26% Egg & Breeder	10.71	26.00	33.75
7269	Wayne Egg (122) Medicated	10.56	22.00	24.13
5775	Wayne 16% Finishing Feed (198) Medicated	14.09	16.00	18.63
6446	Wayne Fitting Ration	10.91	13.00	15.63
6108	Wayne Hog Balancer	10.76	35.00	36.13
7346	Wayne Horse Feed	11.94	9.00	10.75
7037	Wayne Medicated H-A-D (171)	12.16	20.00	20.75
6137	Wayne Mink Meal	11.24	20.00	23.88
6111	Wayne Pork Maker	11.48	14.00	20.38

~~~~~ indicates deficiencies.

INSPECTION OF 1958

| Fat                      |             | Fiber                    |       | Medicant                                                                                                                                                       |
|--------------------------|-------------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                                                                                |
| 3.00                     | 3.92        | 9.50                     | 6.55  |                                                                                                                                                                |
| 3.00                     | 4.46        | 9.50                     | 8.40  |                                                                                                                                                                |
| 7.00                     | 7.57        | 6.00                     | 3.72  |                                                                                                                                                                |
| 3.50                     | 3.52        | 5.50                     | 4.81  |                                                                                                                                                                |
| 2.00                     | 2.32        | 22.00                    | 20.76 |                                                                                                                                                                |
| 3.00                     | 3.29        | 16.00                    | 8.88  |                                                                                                                                                                |
| 5.00                     | <u>4.00</u> | 1.50                     | 0.54  |                                                                                                                                                                |
| 2.50                     | 3.21        | 15.00                    | 9.78  |                                                                                                                                                                |
| 3.00                     | 3.94        | 4.00                     | 3.28  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0043%. Nicarbazine: Guar., 0.01%; found, 0.0102%.                                                 |
| 3.00                     | 3.34        | 9.50                     | 6.94  |                                                                                                                                                                |
| 0.50                     | 0.34        | 0.25                     | 0.22  |                                                                                                                                                                |
| 3.00                     | 3.74        | 7.50                     | 6.01  |                                                                                                                                                                |
| 2.00                     | 3.93        | 4.00                     | 1.56  |                                                                                                                                                                |
| 4.00                     | 3.84        | 5.50                     | 4.81  | Glycarbylamide: Guar., 0.002%; found, 0.0021%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, none. Arsanilic acid: not declared; found, 0.0095%. |
| 3.00                     | 3.13        | 9.00                     | 7.00  |                                                                                                                                                                |
| 4.00                     | <u>2.75</u> | 7.00                     | 4.83  |                                                                                                                                                                |
| 4.00                     | <u>4.34</u> | 4.50                     | 4.15  | Arsanilic acid: Guar., 0.015%; found, 0.016%.                                                                                                                  |
| 4.00                     | 4.72        | 3.50                     | 2.61  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0025%. Nicarbazine: Guar., 0.01%; found, 0.0104%.                                                |
| 3.00                     | 3.18        | 8.50                     | 6.29  |                                                                                                                                                                |
| 1.50                     | 2.46        | 8.00                     | 5.39  |                                                                                                                                                                |
| 2.50                     | 3.19        | 12.00                    | 8.65  |                                                                                                                                                                |
| 5.00                     | 5.14        | 4.00                     | 3.41  | Sulfaquinoxaline: Guar., 0.05%; found, <u>0.039%</u> . Antibiotics guaranteed; not determined.                                                                 |
| 2.00                     | 4.52        | 5.00                     | 3.60  |                                                                                                                                                                |
| 3.00                     | 3.63        | 8.00                     | 6.36  |                                                                                                                                                                |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                    | Manufacturer and brand                                | Moisture | Protein<br>(N x 6.25)    |              |
|------------------------------------------------|-------------------------------------------------------|----------|--------------------------|--------------|
|                                                |                                                       |          | Guaranteed not less than | Found        |
| 6449                                           | Wayne Rabbit Ration                                   | 9.62     | 17.00                    | 18.00        |
| 5776                                           | Wayne Rocket Broiler Starter (186A) Medicated         | 13.62    | 23.00                    | 23.38        |
| 7445                                           | Wayne Starter & Grower "E"                            | 9.73     | 18.00                    | <u>15.00</u> |
| 5793                                           | Wayne Starter & Grower "E" (136E) Medicated           | 11.85    | 18.00                    | 20.13        |
| 6448                                           | Wayne Sweet Bulky Feed "E"                            | 10.46    | 12.00                    | 15.00        |
| 7276                                           | Wayne Tail Curler Medicated                           | 10.81    | 16.00                    | 18.00        |
| 6452                                           | Wayne Test Cow Ration                                 | 9.16     | 16.00                    | 17.63        |
| 7444                                           | Wayne Turkey Grower                                   | 10.50    | 22.00                    | 22.00        |
| 7268                                           | Wayne Universal Egg (128) Medicated                   | 10.82    | 18.00                    | 19.88        |
| 6451                                           | Wayne Universal Grower                                | 11.25    | 16.00                    | 19.38        |
| AMERICAN CRYSTAL SUGAR CO., Denver, Colo.      |                                                       |          |                          |              |
| 6952                                           | Plain Dried Beet Pulp                                 | 9.71     | 8.00                     | 9.25         |
| AMERICAN CYANAMID CO., New York, N. Y.         |                                                       |          |                          |              |
| 5805                                           | Arsanilic Acid 20%                                    |          |                          |              |
| 7496                                           | Megasul 25%                                           | 6.78     | 3.00                     | 34.75        |
| AMERICAN MAIZE-PRODUCTS CO., New York, N. Y.   |                                                       |          |                          |              |
| 6104                                           | Amaizo Gluten Meal                                    | 9.39     | 41.00                    | 46.25        |
| 7390                                           | Cream of Corn Gluten Feed                             | 12.91    | 21.00                    | 21.00        |
| ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn. |                                                       |          |                          |              |
| 6273                                           | Archer Quality 34% Protein Linseed Oil Meal Sol. Ext. | 10.94    | 34.00                    | 34.75        |
| 6082                                           | Archer Quality 44% Protein Sol. Ext. Soybean Oil Meal | 11.83    | 44.00                    | 47.88        |
| ATLANTIC PROCESSING CO., Amagansett, N. Y.     |                                                       |          |                          |              |
| 6247                                           | Smith's Life Line Fish Meal                           | 9.06     | 55.00                    | 66.25        |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|--------------------------|-------------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.00 | 3.54 | 15.00 | 9.56 | |
| 5.00 | 5.56 | 2.50 | 2.33 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. Nicarbazin: Guar., 0.01%; found, 0.0116%. |
| 3.50 | 5.29 | 6.00 | 4.83 | |
| 3.50 | 4.36 | 6.00 | 4.84 | Glycarbylamide: Guar., 0.002%; found, 0.0019%. |
| 1.50 | 3.22 | 15.00 | 10.86 | |
| 3.00 | 3.31 | 5.00 | 4.48 | Arsanilic acid: Guar., 0.01%; found, 0.0079%. Antibiotic guaranteed; not determined. |
| 4.00 | 4.46 | 9.00 | 7.15 | |
| 3.50 | 3.94 | 5.00 | 4.97 | |
| 4.00 | 3.91 | 4.00 | | Arsanilic acid: Guar., 0.01%; found, 0.010%. |
| 3.50 | 3.54 | 4.50 | 3.66 | |
| 0.30 | 0.94 | 22.00 | 18.21 | |
| 7.00 | 28.04 | 13.00 | 7.85 | Arsanilic acid: Guar., 20%; found, 20%. Nitrophenide: Guar., 25%; found, 25%. |
| 1.00 | 2.82 | 6.00 | 3.11 | |
| 2.00 | <u>1.54</u> | 9.50 | 7.47 | |
| 0.50 | 1.39 | 10.00 | 9.73 | |
| 0.50 | 0.99 | 7.00 | 4.92 | |
| 4.00 | 7.13 | 3.00 | 0.28 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|---|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| BAY STATE MILLING CO., Winona, Minn. | | | | |
| 6093 | Wingold Standard Hard Wheat Middlings & Wheat Screenings | 13.50 | 16.00 | 18.00 |
| THE BEACON MILLING CO., INC., Cayuga, N. Y. | | | | |
| 6243 | Auburn "16" Dairy Ration | 11.84 | 16.00 | 17.38 |
| 4726 | Auburn "14" Fitting Ration | 11.15 | 14.00 | 15.31 |
| 5998 | Beacon Balancer Pellets | 10.65 | 20.00 | 20.38 |
| 6619 | Beacon Beef Creep & Fitting Ration | 10.11 | 14.00 | 16.38 |
| 4729 | Beacon Broiler Finisher | 10.61 | 20.00 | 20.06 |
| 7142 | Beacon Broiler Finisher NCA Medicated | 11.10 | 20.00 | 20.88 |
| 7283 | Beacon C-C Pellets | 10.92 | 15.00 | 16.13 |
| 6889 | Beacon Calf Grow | 10.99 | 17.00 | 19.13 |
| 7153 | Beacon Cape-Roaster Finisher NC Medicated | 11.43 | 20.00 | 20.38 |
| 6620 | Beacon Dairy Fitting | 10.16 | 14.00 | 15.88 |
| 6618 | Beacon "16" Dairy Ration | 10.20 | 16.00 | 17.63 |
| 6894 | Beacon Duck Grower Finisher | 11.16 | 16.00 | 16.75 |
| 6870 | Beacon "22" Egg Mash | 8.41 | 22.00 | 23.38 |
| 4728 | Beacon Goat Ration | 10.51 | 16.00 | 17.31 |
| 7391 | Beacon Hog Grower Medicated | 12.41 | 14.00 | 14.00 |
| 5996 | Beacon Horse Feed | 12.04 | 13.00 | 13.63 |
| 5997 | Beacon Market Egg All-Mash | 11.11 | 17.00 | 18.63 |
| 6892 | Beacon Milk Check "16" Dairy Ration | 10.88 | 16.00 | 18.25 |
| 7423 | Beacon Milk Check "20" Dairy Ration | 12.28 | 20.00 | 22.00 |
| 6891 | Beacon Milk Check Fitting Ration | 11.52 | 14.00 | 14.25 |
| 7421 | Beacon "30" Mixer | 12.06 | 30.00 | 30.75 |
| 5713 | Beacon Starter-Broiler NCA Medicated | 12.12 | 23.00 | 23.75 |
| 7422 | Beacon Sweet "16" Dairy Ration | 13.29 | 16.00 | 16.75 |
| 6893 | Beacon "16" Test Cow Ration | 10.99 | 16.00 | 16.00 |
| 4725 | Beacon "18" Test Cow Ration | 11.37 | 18.00 | 18.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                      |       | Fiber                    |       | Medicant                                                                                    |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                             |
| 4.00                     | 4.88  | 9.50                     | 8.92  |                                                                                             |
| 3.00                     | 3.51  | 9.00                     | 9.95  |                                                                                             |
| 3.00                     | 3.31  | 10.00                    | 8.65  |                                                                                             |
| 3.00                     | 3.45  | 6.00                     | 4.46  |                                                                                             |
| 4.00                     | 4.31  | 9.00                     | 6.21  |                                                                                             |
| 5.00                     | 6.21  | 3.50                     | 2.65  |                                                                                             |
| 5.00                     | 5.98  | 3.50                     | 2.56  | Nicarbazin: Guar., 0.0125%; found, 0.0144%. Arsanilic acid: Guar., 0.0099%; found, 0.011%.  |
| 4.50                     | 7.18  | 5.00                     | 4.43  | Sulphur: Guar., 5%; found, 4.98%.                                                           |
| 3.00                     | 3.22  | 9.00                     | 6.41  |                                                                                             |
| 4.50                     | 5.34  | 4.00                     | 2.85  | Nicarbazin: Guar., 0.0125%; found, 0.0124%.                                                 |
| 3.25                     | 3.82  | 9.00                     | 6.55  |                                                                                             |
| 3.50                     | 4.21  | 9.00                     | 6.79  |                                                                                             |
| 3.50                     | 5.62  | 6.50                     | 4.47  |                                                                                             |
| 4.75                     | 5.64  | 5.00                     | 3.36  |                                                                                             |
| 3.00                     | 3.50  | 10.00                    | 7.50  |                                                                                             |
| 3.00                     | 3.59  | 6.00                     | 4.51  | Antibiotic guaranteed; not determined.                                                      |
| 3.00                     | 3.34  | 9.00                     | 8.06  |                                                                                             |
| 4.75                     | 5.50  | 4.50                     | 4.31  |                                                                                             |
| 3.00                     | 3.99  | 10.00                    | 6.76  |                                                                                             |
| 3.00                     | 2.76  | 10.00                    | 8.68  |                                                                                             |
| 3.00                     | 3.32  | 10.00                    | 7.17  |                                                                                             |
| 2.00                     | 2.64  | 10.00                    | 8.57  |                                                                                             |
| 5.00                     | 7.44  | 4.00                     | 2.50  | Nicarbazin: Guar., 0.0125%; found, 0.0120%. Arsanilic acid: Guar., 0.0099%; found, 0.0082%. |
| 3.50                     | 3.59  | 9.00                     | 6.53  |                                                                                             |
| 4.00                     | 4.08  | 9.00                     | 6.93  |                                                                                             |
| 4.00                     | 4.46  | 9.00                     | 6.83  |                                                                                             |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                 | Manufacturer and brand                     | Moisture | Protein<br>(N x 6.25)    |       |
|-------------------------------------------------------------|--------------------------------------------|----------|--------------------------|-------|
|                                                             |                                            |          | Guaranteed not less than | Found |
| 4727                                                        | Beacon Turkey & Game Bird Fitting          | 11.46    | 10.00                    | 10.25 |
| 6890                                                        | Beacon "20" Turkey Grower                  | 9.61     | 20.00                    | 20.00 |
| 7420                                                        | Be-Co-Grower                               | 11.70    | 15.00                    | 16.63 |
| 7298                                                        | Be-Co-Lass                                 | 12.87    | 11.00                    | 11.00 |
| 4724                                                        | Be-Co-Layer                                | 10.56    | 16.00                    | 16.31 |
| 6621                                                        | Be-Co Nurse Milk Replacer                  | 5.46     | 24.00                    | 24.25 |
| 6895                                                        | Bulky Green                                | 12.22    | 11.00                    | 13.88 |
| THE BERKMAN GRAIN CO., North Franklin, Conn.                |                                            |          |                          |       |
| 5987                                                        | Nibco Booster Crumbles Medicated           | 12.66    | 20.00                    | 22.00 |
| 6142                                                        | Nibco Crate Fattener                       | 10.92    | 12.00                    | 14.38 |
| 6185                                                        | Nibco 18% Dairy Ration                     | 9.16     | 18.00                    | 19.63 |
| 6141                                                        | Nibco Fitting Ration                       | 12.99    | 14.00                    | 14.13 |
| 5795                                                        | Nibco Five Star Roaster Feed Medicated     | 11.12    | 16.00                    | 18.25 |
| 5812                                                        | Nibco Five Star Roaster Feed Medicated     | 12.17    | 16.00                    | 18.63 |
| 5779                                                        | Nibco Five Star Roaster NIC Feed Medicated | 14.22    | 16.00                    | 18.00 |
| 5794                                                        | Nibco Five Star Super Starter Medicated    | 12.00    | 25.00                    | 25.50 |
| 5796                                                        | Nibco Five Star Weight Maker Medicated     | 12.11    | 22.00                    | 23.50 |
| 5778                                                        | Nibco Five Star Weight Maker NIC Medicated | 13.08    | 22.00                    | 21.38 |
| 6208                                                        | Nibco High Energy Laying & Growing Mash    | 12.29    | 16.00                    | 17.50 |
| 6143                                                        | Nibco Scratch Feed                         | 12.94    | 10.00                    | 11.13 |
| THE BLOOMFIELD FARMERS' EXCHANGE INC.,<br>Bloomfield, Conn. |                                            |          |                          |       |
| 6685                                                        | Bloomfield 16% Dairy Ration                | 12.11    | 16.00                    | 16.00 |
| 6690                                                        | Bloomfield 16% Dairy Ration                | 10.91    | 16.00                    | 16.63 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 3.06 | 9.00 | 5.48 | |
| 3.50 | 4.94 | 5.50 | 3.13 | |
| 3.00 | 3.78 | 7.50 | 5.97 | |
| 2.00 | 2.39 | 12.00 | 10.32 | |
| 3.00 | 3.97 | 7.00 | 5.90 | |
| 10.00 | 11.03 | 0.25 | 0.23 | |
| 2.00 | 2.79 | 17.00 | 10.33 | |
| 2.50 | 3.00 | 4.50 | 3.50 | Furazolidone: Guar., 0.011%; found, 0.0113%. Antibiotic guaranteed; not determined. |
| 3.50 | 4.90 | 9.00 | 4.03 | |
| 4.00 | 4.33 | 8.00 | 6.88 | |
| 4.00 | 4.15 | 8.00 | 6.28 | |
| 4.50 | 4.68 | 3.00 | 2.22 | Glycarbylamide: Guar., 0.0025%; found, 0.0021%. |
| 4.50 | 4.89 | 3.00 | 2.59 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%. |
| 4.50 | 4.59 | 3.00 | 2.29 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0029%. Nicarbazine: Guar., 0.010%; found, 0.0108%. |
| 7.00 | 6.04 | 2.50 | 2.06 | Glycarbylamide: Guar., 0.0025%; found, 0.0020%. |
| 6.00 | 6.11 | 2.50 | 2.65 | Glycarbylamide: Guar., 0.0025%; found, 0.0022%. |
| 6.00 | 6.01 | 2.50 | 2.48 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.004%. Nicarbazine: Guar., 0.01%; found, 0.0106%. |
| 3.00 | 3.92 | 4.00 | 3.83 | |
| 3.00 | 3.78 | 6.50 | 3.50 | |
| 3.50 | 3.19 | 8.00 | 5.79 | |
| 3.50 | 4.01 | 8.00 | 6.86 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|--|---|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| BROOKLAWN GRAIN & FEED CO., Bridgeport, Conn. | | | | |
| 4752 | Brooklawn Egg Mash | 11.21 | 18.00 | 19.50 |
| 5893 | Brooklawn Sweet Mix | 12.44 | 16.00 | 17.38 |
| BROWN-FORMAN DISTILLERS CORP., Louisville, Ky. | | | | |
| 7474 | B-F Corn Distillers Dried
Solubles | 7.40 | 24.00 | 27.50 |
| THE BUCKEYE COTTON OIL DIV., Cincinnati, Ohio | | | | |
| 6106 | Buckeye 44% Protein Sol. Ext.
Soybean Oil Meal | 9.49 | 44.00 | 45.50 |
| CALVERT DISTILLERS LTD., Amherstburg, Ontario | | | | |
| 7376 | Corn Distiller's Dried Grain | 8.72 | 25.00 | 25.88 |
| 7468 | Corn Distiller's Dried Grain | 6.59 | 25.00 | 25.50 |
| CAMDEN GRAIN CO., Camden, N. J. | | | | |
| 7214 | Camden Brand Dried Brewers
Grain | 7.91 | 24.00 | 25.00 |
| THE C. W. CAMPBELL CO., Westerly, R. I. | | | | |
| 4742 | Best Pig & Hog Ration | 10.43 | 15.00 | 21.13 |
| 6646 | Camco Horse Feed | 10.69 | 10.00 | 11.38 |
| 6648 | Campbell Co. Milk Replacer | 8.14 | 32.00 | 32.38 |
| 6645 | Coarse 16% Dairy Ration | 10.11 | 16.00 | 16.75 |
| 4741 | Dairy 14% Ration | 19.80 | 14.00 | 13.79 |
| 6624 | 16% Dairy Ration | 9.42 | 16.00 | 19.25 |
| 6626 | 18% Dairy Ration | 10.73 | 18.00 | 20.75 |
| 6644 | Economical Stock Feed | 10.16 | 14.00 | 14.50 |
| 6647 | Egg-O Complete Layer All-Mash | 10.20 | 16.00 | 18.63 |
| 6641 | Egg-O Complete Layer Hi Calorie | 11.61 | 17.00 | 17.63 |
| 6643 | Egg-O Grower | 10.36 | 20.00 | 20.75 |
| 6642 | Egg-O Laying Mash | 10.62 | 20.00 | 20.00 |
| 6625 | 12% Fitting Ration | 10.56 | 12.00 | 14.00 |
| 5707 | Medicated Egg-O Special Broiler
Finisher | 13.38 | 19.50 | 20.63 |
| 5708 | Medicated Egg-O Special Broiler
Prime Finisher | 13.52 | 15.00 | 17.50 |
| 6627 | Sheep & Goat Feed | 11.05 | 15.00 | 16.88 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |             | Fiber                               |       | Medicant                                                                                                                         |
|-------------------------------------|-------------|-------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                  |
| 4.00                                | 4.56        | 6.00                                | 5.05  |                                                                                                                                  |
| 3.50                                | 3.40        | 9.00                                | 7.56  |                                                                                                                                  |
| 8.00                                | <u>3.89</u> | 4.00                                | 4.35  |                                                                                                                                  |
| 0.50                                | 1.34        | 7.00                                | 6.30  |                                                                                                                                  |
| 8.00                                | 10.21       | 13.00                               | 7.58  |                                                                                                                                  |
| 8.00                                | 9.23        | 13.00                               | 7.91  |                                                                                                                                  |
| 6.00                                | <u>4.31</u> | 17.00                               | 14.92 |                                                                                                                                  |
| 4.00                                | 4.60        | 8.00                                | 7.68  |                                                                                                                                  |
| 3.00                                | 3.65        | 10.00                               | 5.36  |                                                                                                                                  |
| 2.50                                | 5.16        | 4.50                                | 2.18  |                                                                                                                                  |
| 3.00                                | 3.90        | 8.00                                | 5.50  |                                                                                                                                  |
| 4.00                                | <u>2.96</u> | 9.00                                | 5.60  |                                                                                                                                  |
| 3.00                                | <u>2.94</u> | 8.00                                | 5.21  |                                                                                                                                  |
| 2.50                                | 2.69        | 8.00                                | 5.29  |                                                                                                                                  |
| 1.60                                | 3.23        | 16.00                               | 11.61 |                                                                                                                                  |
| 3.50                                | 3.94        | 4.50                                | 3.96  |                                                                                                                                  |
| 4.00                                | 5.32        | 4.00                                | 2.27  |                                                                                                                                  |
| 3.50                                | 4.86        | 6.00                                | 4.64  |                                                                                                                                  |
| 3.50                                | 4.79        | 6.00                                | 4.41  |                                                                                                                                  |
| 3.00                                | 3.58        | 9.00                                | 5.57  |                                                                                                                                  |
| 4.00                                | 6.29        | 2.75                                | 2.21  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.003%;<br>found, 0.0035%. Nicarbazin:<br>Guar., 0.01%; found, 0.0116%.         |
| 3.75                                | 5.38        | 2.75                                | 2.08  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.002%;<br>found, 0.002%. Nicarbazin:<br>Guar., 0.006%; found, <u>0.0085%</u> . |
| 3.00                                | 3.01        | 9.00                                | 5.09  |                                                                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                           | Manufacturer and brand                                      | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|-----------------------------------------------------------------------|-------------------------------------------------------------|---------------|-------------------------------------|-------|
|                                                                       |                                                             |               | Guaran-<br>teed not<br>less<br>than | Found |
| THE CANADA LINSEED OIL MILLS, LTD.,<br>Montreal, Canada               |                                                             |               |                                     |       |
| 6464                                                                  | Maple Leaf 34% Protein Expeller<br>Linseed Oil Meal         | 10.63         | 34.00                               | 36.88 |
| THE A. B. CAPLE CO., Toledo, Ohio                                     |                                                             |               |                                     |       |
| 5953                                                                  | Alfalfa Crumbles                                            | 11.61         | 13.00                               | 15.38 |
| CARGILL, INCORPORATED, Minneapolis, Minn.                             |                                                             |               |                                     |       |
| 6396                                                                  | Cargill 44% Protein Sol. Ext.<br>Soybean Oil Meal           | 11.15         | 44.00                               | 44.00 |
| CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N. INC.,<br>Manchester, Conn. |                                                             |               |                                     |       |
| 6266                                                                  | Honest Brand Aureomycin Mix                                 | 11.34         | 18.00                               | 19.88 |
| 7165                                                                  | Honest Brand Complete Breeder<br>Mash                       | 11.89         | 16.00                               | 16.38 |
| 6265                                                                  | Honest Brand Complete Ration<br>High Energy Growing Mash    | 11.51         | 15.00                               | 15.00 |
| 7028                                                                  | Honest Brand Complete Ration<br>High Energy Growing Mash SQ | 13.05         | 15.00                               | 15.75 |
| 7164                                                                  | Honest Brand Complete Ration<br>High Energy Laying Mash     | 12.11         | 15.00                               | 16.00 |
| 7493                                                                  | Honest Brand Complete Ration<br>High Energy Laying Mash FZ  | 11.11         | 15.00                               | 15.75 |
| 7494                                                                  | Honest Brand Complete Ration<br>High Energy Laying Mash FZ  | 11.34         | 15.00                               | 15.63 |
| 5774                                                                  | Honest Brand Nu Weigh Hi<br>Broiler Mash with Nicarbazin    | 14.95         | 20.00                               | 21.13 |
| 6264                                                                  | Honest Brand Nu Weigh Hi<br>Finisher Mash                   | 11.14         | 18.00                               | 19.88 |
| 4873                                                                  | Honest Brand Nu Weigh Hi<br>Starter with Sulfaquinoxaline   | 13.57         | 20.00                               | 21.44 |
| CENTRAL SOYA CO. INC., Ft. Wayne, Ind.                                |                                                             |               |                                     |       |
| 6105                                                                  | Central's 50% Soybean Oil Meal<br>Solvent Extracted         | 11.73         | 50.00                               | 51.75 |
| CITRUS FEED CO., Lakeland, Fla.                                       |                                                             |               |                                     |       |
| 6090                                                                  | Florida Crest All Sweet Dried<br>Citrus Pulp                | 10.42         | 6.00                                | 8.63  |
| 6653                                                                  | Fosgate's Ace High All Sweet Dried<br>Citrus Pulp           | 7.77          | 6.00                                | 6.13  |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|-------------------------------------|-------------|-------------------------------------|-------|--|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 4.00 | 4.78 | 9.00 | 7.92 | |
| 1.00 | 1.31 | 33.00 | 30.97 | |
| 0.50 | 1.12 | 7.00 | 6.90 | |
| 3.00 | 3.41 | 4.00 | 3.83 | |
| 3.00 | 3.14 | 5.00 | 3.05 | |
| 3.00 | 4.09 | 4.00 | 3.45 | |
| 4.00 | 3.89 | 3.00 | 2.50 | Sulfaquinoxaline: Guar., 0.0175%;
found, <u>0.0855%</u> . |
| 3.00 | 3.16 | 4.00 | 3.30 | |
| 3.00 | <u>2.44</u> | 4.00 | 2.98 | Furazolidone: Guar., 0.011%;
found, 0.0130%. |
| 3.00 | 2.91 | 4.00 | 2.94 | Furazolidone: Guar., 0.022%;
found, 0.0215%. |
| 3.00 | 4.01 | 4.00 | 2.43 | Nicarbazin: Guar., 0.0125%;
found, 0.0134%. |
| 2.00 | 3.42 | 6.50 | 3.65 | |
| 3.00 | 3.34 | 4.00 | 3.28 | Sulfaquinoxaline: Guar., 0.0175%;
found, 0.0178%. |
| 0.50 | 0.93 | 3.00 | 3.11 | |
| 2.50 | 6.44 | 11.00 | 10.11 | |
| 3.00 | 5.96 | 11.00 | 11.00 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|--|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| CLINTON CORN PROCESSING CO., Clinton, Iowa | | | | |
| 6313 | Clinton C. F. S. Concentrate No. 3 | 10.37 | 25.00 | 26.88 |
| CLYDE MILLING CORP., Clyde, N. Y. | | | | |
| 6487 | C-M-C 30 Dairy Mixing Ration | 12.11 | 30.00 | 28.25 |
| 6267 | Clyde Booster 16 Dairy Ration | 12.61 | 16.00 | 16.00 |
| 6481 | Clyde Complete Layer & Grower Mash | 10.66 | 16.00 | 17.63 |
| 6473 | Clyde Complete Rabbit Pellets | 10.00 | 15.00 | 16.00 |
| 6480 | Clyde Dry & Freshening Ration | 9.50 | 14.00 | 17.00 |
| 7439 | Clyde Fitting Ration | 11.32 | 12.00 | 14.25 |
| 6482 | Clyde Grow-Rite Complete Pullet Ration | 10.99 | 16.00 | 18.13 |
| 6484 | Clyde H-E Complete Breeder Mash | 9.93 | 16.50 | 19.25 |
| 6052 | Clyde Hi-Cal-Re Complete Layer & Grower | 12.75 | 16.50 | 19.25 |
| 6486 | Clyde Horse Feed | 9.99 | 10.00 | 11.25 |
| 6055 | Clyde Life Span 15 Fortified Dairy Ration | 12.61 | 15.00 | 15.75 |
| 7440 | Clyde Market Egg Mash | 11.01 | 20.00 | 20.38 |
| 6485 | Clyde Milk-Flo 16 | 10.85 | 16.00 | 16.25 |
| 6054 | Clyde R.S. 10 | 13.34 | 10.00 | 10.25 |
| 6483 | Clyde Super Egg Mash | 11.04 | 21.00 | 21.25 |
| 6056 | Clyde Test Cow 16 | 12.10 | 16.00 | 18.88 |
| 6010 | Clyde Test Cow 18 | 11.25 | 18.00 | 19.50 |
| 7438 | Clyde Test Cow 20 | 10.96 | 20.00 | 20.50 |
| 6491 | Corn Gluten Feed | 11.24 | 21.00 | 21.25 |
| 6051 | Hominy Feed | 13.63 | 11.00 | 11.38 |
| 6488 | Linseed Oil Meal (Sol. Ext.) | 11.66 | 34.00 | 34.00 |
| 6489 | Soybean Oil Meal (Sol. Ext.) | 11.62 | 44.00 | 45.88 |
| 6053 | Wheat Bran | 13.28 | 15.00 | 16.75 |
| 7337 | Warren's Dairy Fitting Ration | 11.52 | 12.00 | 16.25 |
| 7338 | Warren's 16 Dairy Ration | 11.06 | 16.00 | 16.50 |
| COMMERCIAL SOLVENTS CORP., Peoria, Ill. | | | | |
| 6256 | Corn Distillers Dried Solubles with Grains | 7.13 | 26.00 | 26.00 |
| COMMUNITY SERVICE, INC., Canaan, Conn. | | | | |
| 6455 | Community Service 16% Dairy | 11.35 | 16.00 | 16.38 |
| 6462 | Community Service 18% Dairy | 11.36 | 18.00 | 18.00 |
| 6463 | Community Service Fitting Ration | 10.81 | 14.00 | 16.88 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaranteed not less than | Fat<br>Found | Fiber                    |       | Medicant                            |
|--------------------------|--------------|--------------------------|-------|-------------------------------------|
|                          |              | Guaranteed not more than | Found |                                     |
| 1.00                     | 3.06         | 9.00                     | 8.65  |                                     |
| 2.50                     | 2.16         | 11.00                    | 8.74  |                                     |
| 3.50                     | 3.11         | 9.50                     | 7.38  |                                     |
| 3.00                     | 3.84         | 5.00                     | 6.76  |                                     |
| 3.00                     | 3.38         | 12.00                    | 9.88  |                                     |
| 3.00                     | 4.27         | 8.00                     | 7.29  |                                     |
| 3.00                     | 3.51         | 8.50                     | 7.19  |                                     |
| 3.00                     | 3.71         | 7.00                     | 5.39  |                                     |
| 4.00                     | 5.15         | 4.50                     | 5.36  |                                     |
| 4.00                     | 4.34         | 4.50                     | 4.86  |                                     |
| 2.50                     | 3.38         | 10.00                    | 6.06  |                                     |
| 4.00                     | 4.19         | 8.00                     | 6.34  |                                     |
| 3.00                     | 3.02         | 6.00                     | 5.71  |                                     |
| 3.00                     | 2.70         | 9.00                     | 8.09  |                                     |
| 2.50                     | 2.53         | 24.00                    | 19.69 | DDT not guaranteed: found, 6.8 ppm. |
| 4.00                     | 4.98         | 5.00                     | 5.15  |                                     |
| 3.50                     | 3.78         | 8.50                     | 7.69  |                                     |
| 3.50                     | 3.76         | 8.50                     | 7.79  |                                     |
| 3.50                     | 3.59         | 8.50                     | 8.12  |                                     |
| 1.00                     | 2.49         | 10.00                    | 6.23  |                                     |
| 5.00                     | 5.43         | 6.00                     | 3.48  |                                     |
| 0.50                     | 2.12         | 9.00                     | 8.29  |                                     |
| 0.50                     | 1.54         | 7.00                     | 6.02  |                                     |
| 3.50                     | 4.31         | 10.00                    | 10.19 |                                     |
| 3.00                     | 3.19         | 10.00                    | 10.32 |                                     |
| 3.00                     | 2.84         | 11.00                    | 10.53 |                                     |
| 7.00                     | 7.38         | 10.00                    | 8.88  |                                     |
| 3.50                     | 3.34         | 10.00                    | 6.31  |                                     |
| 4.00                     | 4.43         | 10.00                    | 6.18  |                                     |
| 3.50                     | 4.25         | 9.00                     | 6.09  |                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                 | Manufacturer and brand                                      | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|---------------------------------------------|-------------------------------------------------------------|---------------|-------------------------------------|-------|
|                                             |                                                             |               | Guaran-<br>teed not<br>less<br>than | Found |
| CONNECTICUT BI-PRODUCTS, Columbia, Conn.    |                                                             |               |                                     |       |
| 7425                                        | Hydrolyzed Poultry Feathers                                 | 6.05          | 85.00                               | 89.25 |
| 7426                                        | Poultry By-Product Meal                                     | 2.59          | 55.00                               | 59.75 |
| CONSOLIDATED BLENDERS, INC., Fremont, Nebr. |                                                             |               |                                     |       |
| 6923                                        | 17% Dehydrated Alfalfa Pellets                              | 7.62          | 17.00                               | 17.13 |
| CONSOLIDATED RENDERING CO., Boston, Mass.   |                                                             |               |                                     |       |
| 5928                                        | Corenco Feeding Bone Meal                                   | 4.60          | 10.00                               | 18.75 |
| 7379                                        | Corenco Fish Meal                                           | 7.86          | 60.00                               | 68.63 |
| 5927                                        | Corenco 47% Meat & Bone Scrap                               | 9.31          | 47.00                               | 48.00 |
| 4746                                        | Corenco 50% Meat & Bone Scrap                               | 7.27          | 50.00                               | 50.25 |
| CORN PRODUCTS REFINING CO., New York, N. Y. |                                                             |               |                                     |       |
| 5902                                        | Buffalo Brand 21% Protein Corn<br>Gluten Feed               | 11.11         | 21.00                               | 23.13 |
| 7292                                        | Diamond Brand Corn Gluten Meal                              | 10.04         | 41.00                               | 41.38 |
| C. A. COWLES, INC., Plantsville, Conn.      |                                                             |               |                                     |       |
| 6444                                        | Blue C Feed 14% Dairy Ration                                | 10.04         | 14.00                               | 17.25 |
| 6443                                        | Blue C Feed 16% Dairy Ration                                | 11.48         | 16.00                               | 16.00 |
| 6179                                        | Blue C Feed 20% Dairy Ration                                | 12.26         | 20.00                               | 20.00 |
| 7463                                        | Blue C Feed Growing Mash                                    | 10.92         | 20.00                               | 20.25 |
| 6367                                        | Blue C Feed Hog & Pig Feed                                  | 11.41         | 16.00                               | 17.75 |
| 6180                                        | Blue C Feed Horse Feed with<br>Molasses                     | 12.18         | 10.00                               | 11.38 |
| 6181                                        | Blue C Feed Laying Mash                                     | 10.36         | 20.00                               | 20.25 |
| 6434                                        | Blue C Feed Rabbit Pellets                                  | 9.77          | 15.00                               | 17.38 |
| 5988                                        | Blue C Feed Special Starter &<br>Broiler with Nitrofurazone | 11.91         | 21.00                               | 20.38 |
| 6178                                        | Blue C Feed Starting Mash                                   | 10.62         | 20.00                               | 22.50 |
| 6366                                        | Blue C Feed Super 16% Dairy                                 | 10.36         | 16.00                               | 19.00 |
| 6945                                        | Red C Feed Fitting Ration                                   | 9.89          | 14.00                               | 16.75 |
| 6944                                        | Red C Feed Laying Mash                                      | 10.02         | 16.00                               | 21.25 |
| P. CUTLER, INC., Colchester, Conn.          |                                                             |               |                                     |       |
| 5941                                        | Prosperity Calf & Beef Ration                               | 13.31         | 10.00                               | 12.00 |
| 5932                                        | Prosperity Dairy Ration                                     | 13.47         | 16.00                               | 16.38 |
| 6406                                        | Prosperity Laying Mash                                      | 11.31         | 17.00                               | 18.88 |
| 7383                                        | Prosperity Pig Feed                                         | 11.04         | 10.00                               | 12.63 |
| 7384                                        | Prosperity Sweet Beetrus Mix                                | 12.57         | 12.00                               | 12.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|-------------------------------------|-------|-------------------------------------|-------|-------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 0.50 | 4.24 | 1.50 | 0.64 | |
| 8.00 | 15.04 | 3.00 | 0.89 | |
| 1.50 | 2.75 | 27.00 | 26.58 | |
| -- | -- | 2.00 | 0.10 | |
| 5.00 | 5.31 | -- | -- | |
| 6.00 | 6.84 | 2.00 | 1.56 | |
| 6.00 | 10.56 | -- | -- | |
| 1.00 | 1.74 | 10.00 | 8.46 | |
| 1.00 | 2.19 | 6.00 | 4.89 | |
| 3.50 | 3.80 | 9.00 | 8.22 | |
| 3.50 | 4.88 | 9.00 | 7.56 | |
| 3.00 | 4.49 | 10.00 | 9.25 | |
| 3.00 | 2.84 | 5.00 | 5.53 | |
| 3.00 | 4.54 | 8.00 | 4.75 | |
| 3.00 | 3.48 | 10.00 | 5.65 | |
| 3.00 | 3.34 | 5.00 | 3.93 | |
| 3.00 | 3.76 | 15.00 | 11.00 | |
| 4.00 | 3.60 | 4.00 | 3.21 | Nitrofurazone:Guar., 0.0055%; |
| 3.00 | 4.67 | 6.00 | 4.23 | found, 0.0062%. |
| 3.50 | 3.72 | 7.50 | 6.95 | |
| 3.00 | 4.21 | 11.00 | 8.11 | |
| 3.00 | 3.33 | 8.50 | 5.24 | |
| 3.00 | 3.04 | 9.00 | 4.31 | |
| 3.00 | 3.39 | 10.00 | 7.14 | |
| 3.50 | 3.84 | 10.00 | 6.40 | |
| 3.00 | 3.44 | 12.00 | 5.56 | |
| 2.50 | 1.89 | 15.00 | 11.05 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and Brand | Moist-
ure | Protein
(N x 6.25) | |
|--|---|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| DCA FOOD INDUSTRIES INC., Ellicott City, Md. | | | | |
| 7375 | Domaco Pure Winter Wheat Bran | 11.86 | 13.50 | 14.25 |
| 6254 | Domaco Winter Wheat Standard Middlings | 8.87 | 14.50 | 14.88 |
| R. G. DAVIS & SONS, New Haven, Conn. | | | | |
| 5901 | Davis 16% Dairy Ration | 12.41 | 16.00 | 18.13 |
| 5900 | Davis 14% Fitting | 12.84 | 14.00 | 16.25 |
| DAWE'S LABORATORIES, INC., Chicago, Ill. | | | | |
| 6245 | Dawe's Fermentation Flavonne | 10.06 | 30.00 | 36.75 |
| 5944 | Dawe's Vitamelk | 11.87 | 34.00 | 37.25 |
| 6248 | Dawe's Vitamelk | 11.26 | 34.00 | 36.00 |
| 7277 | New England Broiler Base Premix No. 2 Medicated | | | |
| DAWNWOOD FARMS, Amenia, N. Y. | | | | |
| 6921 | Dawnwood Farms Caf-Star | 7.87 | 26.00 | 27.13 |
| DAYVILLE GRAIN & FEED CO., Dayville, Conn. | | | | |
| 5786 | Dayville High Calorie Broiler Medicated | 13.11 | 25.00 | 25.25 |
| 5787 | Dayville High Energy Broiler Medicated | 11.59 | 22.00 | 24.75 |
| 6184 | Dayville High Energy Grower Layer Crumbles | 10.32 | 16.00 | 18.00 |
| DECATUR MILLING CO. INC., Decatur, Ill. | | | | |
| 7201 | Homco Hominy Feed | 10.77 | 9.00 | 10.25 |
| DELAWARE MILLING CO., INC., Deposit, N. Y. | | | | |
| 6400 | Delaware Broiler-Finisher | 9.81 | 20.00 | 20.25 |
| 5931 | Delaware Fitting Ration | 12.22 | 14.00 | 17.38 |
| 6402 | Delaware Horse Feed | 12.01 | 12.00 | 11.38 |
| 7343 | Delaware Poultry Fitting Ration | 13.19 | 10.00 | 10.50 |
| 7341 | Delaware Scratch Grains | 13.31 | 9.00 | 9.38 |

~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant                                                                                                |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                         |
| 3.25                                | 3.31  | 9.50                                | 8.25  |                                                                                                         |
| 4.25                                | 4.38  | 7.50                                | 7.35  |                                                                                                         |
| 3.50                                | 3.43  | 8.00                                | 6.82  |                                                                                                         |
| 3.50                                | 3.49  | 8.50                                | 6.91  |                                                                                                         |
| 3.00                                | 2.90  | 9.50                                | 7.05  |                                                                                                         |
| 1.00                                | 1.50  | 8.00                                | 5.71  |                                                                                                         |
| 1.00                                | 2.56  | 8.00                                | 6.25  | Arsanilic acid: Guar., 0.39%;<br>found, 0.34%.                                                          |
| 3.00                                | 3.23  | 2.50                                | 1.53  |                                                                                                         |
| 8.00                                | 8.46  | 3.00                                | 2.64  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0126%. Sodium<br>Arsanilate: Guar., 0.0088%;<br>found, 0.0066%. |
| 5.50                                | 6.94  | 3.50                                | 2.50  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0142%. Sodium<br>Arsanilate: Guar., 0.0088%;<br>found, 0.0090%. |
| 3.50                                | 3.53  | 4.50                                | 4.08  |                                                                                                         |
| 5.00                                | 7.19  | 6.00                                | 4.45  |                                                                                                         |
| 5.50                                | 7.00  | 3.50                                | 3.40  |                                                                                                         |
| 3.00                                | 3.76  | 11.00                               | 8.61  |                                                                                                         |
| 3.00                                | 3.03  | 10.00                               | 6.03  |                                                                                                         |
| 2.50                                | 2.71  | 7.00                                | 5.16  |                                                                                                         |
| 2.00                                | 2.03  | 5.00                                | 2.13  |                                                                                                         |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                        | Manufacturer and brand                         | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|--------------------------------------------------------------------|------------------------------------------------|---------------|-------------------------------------|-------|
|                                                                    |                                                |               | Guaran-<br>teed not<br>less<br>than | Found |
| 6398                                                               | Delaware Sweet 16% Dairy Feed                  | 10.66         | 16.00                               | 17.38 |
| 7345                                                               | Delaware Sweet 16% Dairy Feed                  | 11.35         | 16.00                               | 16.75 |
| 6355                                                               | Warren's C&C Complete Growing Mash             | 10.63         | 15.00                               | 17.25 |
| 6350                                                               | Warren's C&C Complete Laying Mash              | 10.97         | 15.00                               | 17.50 |
| 6345                                                               | Warren's C&C Laying Mash                       | 11.49         | 20.00                               | 20.75 |
| 6352                                                               | Warren's Chick Starter                         | 11.06         | 20.00                               | 21.25 |
| 6356                                                               | Warren's Fitting Ration                        | 11.34         | 14.00                               | 16.50 |
| 7340                                                               | Warren's Indian 16% Dairy                      | 11.39         | 16.00                               | 17.88 |
| THE DELPHOS GRAIN & SOYA PRODUCTS CO.,<br>Delphos, Ohio            |                                                |               |                                     |       |
| 7386                                                               | 44% Protein Soybean Oil Meal Solvent Extracted | 12.71         | 44.00                               | 46.13 |
| DERBY FEED STORE, Derby, Conn.                                     |                                                |               |                                     |       |
| 7215                                                               | Litsky's Hi-Energy All Mash Grower             | 10.28         | 16.00                               | 16.13 |
| 6079                                                               | Litsky's Hi-Energy All Mash Layer              | 12.49         | 16.00                               | 18.00 |
| 6066                                                               | Litsky's Hi-Energy Layer                       | 12.56         | 20.00                               | 21.75 |
| 4870                                                               | Litsky's Hi-Energy Starter-Broiler Medicated   | 12.52         | 20.00                               | 21.38 |
| 7209                                                               | Litsky's Sweet 16% Dairy Ration                | 12.59         | 16.00                               | 17.75 |
| EASTERN STATES FARMERS' EXCHANGE, INC.,<br>West Springfield, Mass. |                                                |               |                                     |       |
| 7188                                                               | Alfapels                                       | 7.70          | 15.00                               | 15.00 |
| 7265                                                               | All-Mash Breeder Medicated                     | 10.68         | 16.00                               | 17.75 |
| 7191                                                               | Appiwehy                                       | 41.04         | 9.00                                | 9.50  |
| 7507                                                               | Beefmix with Diethylstilbestrol                | 10.51         | 32.00                               | 34.63 |
| 7259                                                               | Breeder Mash Medicated                         | 10.97         | 22.00                               | 22.75 |
| 7083                                                               | Broiler Starter Medicated                      | 10.97         | 24.00                               | 25.50 |
| 5979                                                               | Calf Starter                                   | 11.34         | 20.00                               | 21.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaran-
teed not
less
than | Fat
Found | Fiber | | Medicant |
|-------------------------------------|--------------|-------------------------------------|--------------|--|
| | | Guaran-
teed not
more
than | Found | |
| 3.50 | 3.71 | 10.00 | 7.43 | |
| 3.50 | 3.39 | 10.00 | 7.07 | |
| 3.00 | 5.65 | 6.00 | 6.23 | |
| 3.00 | 5.32 | 6.00 | 6.58 | |
| 3.00 | 4.29 | 7.50 | 7.18 | |
| 3.00 | 5.31 | 5.00 | 6.00 | |
| 3.00 | 3.63 | 11.00 | 7.85 | |
| 3.00 | 3.24 | 11.00 | 9.61 | |
| 0.50 | 0.53 | 7.00 | 6.09 | |
| 3.50 | 3.59 | 4.00 | 4.02 | |
| 3.50 | 4.07 | 4.00 | 4.01 | |
| 3.25 | 3.93 | 4.50 | 4.07 | |
| 3.50 | 3.56 | 4.00 | 3.80 | Sulfaquinoxaline: Guar., 0.0175%;
found, 0.0190%. |
| 3.00 | <u>2.54</u> | 10.00 | <u>11.45</u> | |
| 1.50 | 2.48 | 30.00 | 25.62 | |
| 4.00 | 4.21 | 4.00 | 3.24 | Arsanilic acid: Guar., 0.0099%;
found, <u>0.0128</u> %. |
| 0.50 | 0.91 | - - | - - | |
| 1.50 | 3.08 | 12.00 | 9.34 | Diethylstilbestrol: Guar.,
0.0011%; not determined. |
| 5.00 | 5.08 | 5.00 | 3.60 | Arsanilic acid: Guar., 0.0132%;
found, 0.0108%. |
| 8.00 | 7.83 | 4.00 | 3.36 | Nicarbazin: Guar., 0.0125%;
found, <u>0.0184</u> %. Arsanilic
acid: Guar., 0.0099%; found,
0.0115%. |
| 3.00 | 3.98 | 6.00 | 4.66 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|-----------------------------|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 6883 | Calving Ration | 11.86 | 13.00 | 15.38 |
| 5789 | Cashmaker Medicated | 13.99 | 16.00 | 18.38 |
| 4864 | Cashmaker-WM Medicated | 12.62 | 16.00 | 17.06 |
| 4664 | Champion | 12.16 | 14.00 | 13.75 |
| 7260 | Choicemaker Medicated | 11.22 | 16.00 | 17.13 |
| 6065 | Class Leader | 11.76 | 14.00 | 16.25 |
| 6882 | Darimore | 8.11 | 16.00 | 20.63 |
| 7189 | Dairypels 16 | 9.92 | 16.00 | 18.00 |
| 7190 | Dairypels 20 | 10.90 | 20.00 | 21.75 |
| 5710 | Finisher Medicated | 12.79 | 17.00 | 18.13 |
| 6885 | Fulpail | 10.68 | 20.00 | 22.00 |
| 7263 | Goalmaker Medicated | 10.68 | 16.00 | 17.63 |
| 7278 | Lay Mix Medicated | 8.61 | 36.00 | 36.63 |
| 5808 | Matchmaker Medicated | 11.23 | 22.00 | 22.75 |
| 5993 | Medicated Broiler Starter | 10.89 | 24.00 | 25.50 |
| 7498 | Medicated Defender | 10.26 | 20.00 | 22.50 |
| 7282 | Medicated Lacto Life | 12.19 | 16.00 | 16.38 |
| 7138 | Medicated Minuteman | 11.79 | 20.00 | 21.88 |
| 7041 | Medicated Minuteman SQ | 11.35 | 20.00 | 21.25 |
| 7506 | Medicated Turkey Finisher F | 11.86 | 16.00 | 17.88 |
| 5986 | Medicated Turkey Starter F | 12.11 | 28.00 | 30.00 |
| 5978 | Milkmore | 8.79 | 16.00 | 17.38 |
| 6881 | Milksaver | 7.39 | 24.00 | 25.13 |
| 5788 | Pig Primer Medicated | 13.69 | 16.00 | 17.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                      |             | Fiber                    |       | Medicant                                                                                          |
|--------------------------|-------------|--------------------------|-------|---------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                   |
| 1.50                     | 2.79        | 12.00                    | 10.11 |                                                                                                   |
| 4.00                     | 4.71        | 4.00                     | 3.44  | Arsanilic acid: Guar., 0.0099%; found, 0.0091%.                                                   |
| 4.00                     | 4.96        | 4.00                     | 3.13  | Arsanilic acid: Guar., 0.0099%; found, 0.0095%. Sulfaquinoxaline: Guar., 0.0125%; found, 0.0100%. |
| 2.50                     | 4.11        | 7.00                     | 5.60  |                                                                                                   |
| 3.50                     | 4.34        | 5.50                     | 4.80  | Arsanilic acid: Guar., 0.0099%; found, 0.0110%.                                                   |
| 3.50                     | 3.98        | 8.00                     | 6.18  |                                                                                                   |
| 2.00                     | 3.79        | 12.00                    | 9.33  |                                                                                                   |
| 3.50                     | 4.66        | 9.00                     | 7.25  |                                                                                                   |
| 3.50                     | 3.59        | 9.00                     | 6.65  |                                                                                                   |
| 5.00                     | 5.84        | 4.00                     | 3.31  | Arsanilic acid: Guar., 0.0099%; found, 0.0111%. Nicarbazin: Guar., 0.0125%; found, 0.0148%.       |
| 3.00                     | 3.11        | 8.00                     | 6.69  |                                                                                                   |
| 4.00                     | <u>3.68</u> | 4.00                     | 2.60  | Arsanilic acid: Guar., 0.0099%; found, <u>0.0475%</u> .                                           |
| 2.00                     | 2.39        | 6.50                     | 5.40  | Arsanilic acid: Guar., 0.0396%; found, 0.0350%.                                                   |
| 4.50                     | 4.94        | 5.00                     | 3.86  | Arsanilic acid: Guar., 0.0132%; found, 0.0148%.                                                   |
| 8.00                     | 7.79        | 4.00                     | 2.81  | Arsanilic acid: Guar., 0.0099%; found, 0.0095%. Nicarbazin: Guar., 0.0125%; found, 0.0150%.       |
| 4.00                     | 4.04        | 5.00                     | 3.87  | Furazolidone: Guar., 0.0165%; found, 0.0155%.                                                     |
| 2.50                     | 2.64        | 8.00                     | 5.54  | Lactic acid: Guar., 2.9%; not determined.                                                         |
| 4.00                     | 4.39        | 4.50                     | 3.13  | Nicarbazin: Guar., 0.0125%; found, 0.0140%.                                                       |
| 4.00                     | 4.38        | 4.50                     | 3.16  | Sulfaquinoxaline: Guar., 0.05%; found, 0.0415%.                                                   |
| 3.00                     | 3.14        | 4.00                     | 3.10  | Furazolidone: Guar., 0.011%; found, 0.011%.                                                       |
| 3.00                     | 3.50        | 5.00                     | 3.41  | Furazolidone: Guar., 0.011%; found, 0.0128%.                                                      |
| 3.50                     | 4.44        | 8.00                     | 6.81  |                                                                                                   |
| 1.00                     | 1.96        | 1.50                     | 0.88  |                                                                                                   |
| 3.00                     | 3.88        | 5.50                     | 4.24  | Arsanilic acid: Guar., 0.0099%; found, <u>0.0073%</u> .                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                             | Manufacturer and brand                                          | Moisture | Protein<br>(N x 6.25)    |       |
|-----------------------------------------|-----------------------------------------------------------------|----------|--------------------------|-------|
|                                         |                                                                 |          | Guaranteed not less than | Found |
| 4666                                    | Pork Builder                                                    | 11.27    | 14.00                    | 15.50 |
| 7266                                    | Medicated Pork Primer                                           | 10.23    | 18.00                    | 20.50 |
| 7090                                    | Pacemaker Medicated                                             | 11.96    | 20.00                    | 21.63 |
| 7499                                    | Poultry Wormer                                                  | 10.96    | 16.00                    | 17.13 |
| 6655                                    | Rabbettes                                                       | 8.13     | 18.00                    | 19.63 |
| 6652                                    | Supmix                                                          | 11.33    | 36.00                    | 39.25 |
| 6654                                    | Sweepstakes                                                     | 10.40    | 16.00                    | 17.00 |
| 4665                                    | Turkey Breeder                                                  | 10.82    | 16.00                    | 16.44 |
| 7170                                    | Turkey Finisher                                                 | 12.01    | 16.00                    | 17.88 |
| 6656                                    | Turkey Grower                                                   | 9.76     | 20.00                    | 22.00 |
| 7033                                    | Turkey Starter Medicated                                        | 10.99    | 28.00                    | 29.25 |
| ECKHART MILLING CO., Chicago, Ill.      |                                                                 |          |                          |       |
| 7167                                    | Standard Wheat Middlings with Ground Recleaned Wheat Screenings | 11.47    | 15.00                    | 15.88 |
| EINHORN GRAIN CO., Colchester, Conn.    |                                                                 |          |                          |       |
| 7084                                    | E-B Broiler Medicated                                           | 10.36    | 22.50                    | 22.88 |
| ELMORE MILLING CO. INC., Oneonta, N. Y. |                                                                 |          |                          |       |
| 7075                                    | Elmore Breeder Mash (1A) Medicated                              | 12.00    | 20.00                    | 20.88 |
| 7049                                    | Elmore Bull Feed                                                | 13.16    | 13.00                    | 14.13 |
| 7417                                    | Elmore Calf Grain Ration                                        | 12.97    | 13.00                    | 13.00 |
| 6337                                    | Elmore Complete Market Egg Mash                                 | 12.06    | 16.00                    | 18.25 |
| 7416                                    | Elmore Complete Rabbit Ration                                   | 10.52    | 16.00                    | 19.63 |
| 7079                                    | Elmore Complete Turkey Breeder Ration (1A) Medicated            | 11.96    | 16.00                    | 19.50 |
| 7280                                    | Elmore Complete Turkey Growing Mash (1H) Medicated              | 11.10    | 17.00                    | 15.38 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaranteed not less than | Fat
Found | Fiber | | Medicant |
|--------------------------|--------------|--------------------------|-------|---|
| | | Guaranteed not more than | Found | |
| 3.00 | 3.76 | 4.00 | 3.13 | |
| 4.50 | 4.53 | 4.50 | 3.47 | Arsanilic acid: Guar., 0.0099%; found, 0.0134%. |
| 5.00 | 5.16 | 4.50 | 3.69 | Arsanilic acid: Guar., 0.0099%; found, 0.0118%. Nicarbazin: Guar., 0.0125%; found, 0.0104%. |
| 4.00 | 4.54 | 4.00 | 2.96 | Phenothiazine: Guar., 0.72%; found, 0.675%. Piperazine: Guar., 0.125%; not determined. |
| 2.00 | 3.33 | 16.00 | 12.69 | |
| 1.50 | 2.24 | 8.00 | 6.27 | |
| 3.00 | 3.78 | 8.00 | 5.86 | |
| 3.00 | 4.28 | 4.50 | 3.60 | |
| 3.00 | 3.39 | 4.00 | 3.17 | |
| 3.00 | 3.58 | 5.00 | 3.63 | |
| 3.00 | 3.41 | 5.00 | 3.02 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0162%. |
| 4.00 | 4.04 | 9.50 | 5.85 | |
| 6.00 | 6.15 | 3.50 | 2.79 | Arsanilic acid: Guar., 0.01%; found, 0.0101%. Nicarbazin: Guar., 0.0125%; found, 0.0132%. |
| 4.00 | 4.14 | 6.00 | 4.56 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. |
| 3.00 | 3.07 | 9.00 | 5.52 | |
| 2.50 | 2.50 | 9.00 | 5.12 | |
| 4.00 | 4.11 | 5.00 | 3.78 | |
| 2.50 | 3.29 | 10.00 | 6.85 | |
| 3.50 | 3.37 | 6.00 | 4.81 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.004%. |
| 3.50 | 4.08 | 5.00 | 4.81 | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0262%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|---|---|---------------|-------------------------------------|--------------|
| | | | Guaran-
teed not
less
than | Found |
| 6336 | Elmore Dry & Freshening Ration | 12.64 | 12.00 | 13.88 |
| 6376 | Elmore Fitting Ration 14% | 10.38 | 14.00 | 22.25 |
| 6338 | Elmore Flaked Pelleted Calf
Starter | 12.09 | 18.00 | <u>15.75</u> |
| 7036 | Elmore Game Bird Grower (1A)
Medicated | 11.80 | 20.00 | <u>17.38</u> |
| 7080 | Elmore Game Bird Grower (1A)
Medicated | 12.01 | 20.00 | 21.50 |
| 6339 | Elmore Grand Champion Ration | 12.51 | 15.00 | 15.50 |
| 6364 | Elmore Hog Ration | 11.39 | 15.00 | 15.50 |
| 6375 | Elmore Horse Feed | 11.34 | 9.00 | 11.25 |
| 6335 | Elmore Milk Grains "Sixteen" | 12.12 | 16.00 | 17.25 |
| 6374 | Elmore Milk Grains "Sixteen" | 9.64 | 16.00 | 18.63 |
| 6377 | Elmore Pacemaker 16% Dairy
Ration | 10.26 | 16.00 | 22.00 |
| 7162 | Elmore Pacemaker Fitting Ration
14% | 11.62 | 14.00 | 22.25 |
| 7419 | Elmore Poultry & Turkey Fitting
Ration | 12.84 | 12.00 | 12.38 |
| 6340 | Elmore Silosweet | 10.71 | 4.50 | 5.00 |
| 7054 | Elmore Super Silage | 13.71 | 11.00 | 11.00 |
| 6334 | Elmore Test Ration 16% | 12.19 | 16.00 | 17.75 |
| 7415 | Elmore Test Ration 18% | 12.24 | 18.00 | 19.75 |
| 6365 | Elmore Turkey Finisher (Fattener) | 10.91 | 16.00 | 19.63 |
| JOHN W. ESHELMAN & SONS, Lancaster, Pa. | | | | |
| 4596 | Lancaster 16 Dairy Feed | 10.14 | 16.00 | 19.13 |
| 6942 | Lancaster 20 Dairy Feed | 9.76 | 20.00 | 24.38 |
| 5898 | Lancaster Scratch Grains | 12.31 | 9.00 | 11.00 |
| 6940 | Pennsy Complete Laying Ration | 9.79 | 16.00 | 19.00 |
| 5967 | Pennsy 16 Dairy Feed | 12.66 | 16.00 | 19.75 |
| 6332 | Pennsy Laying Mash | 11.83 | 20.00 | 22.38 |
| 7176 | Red Rose Breeder Mash | 11.02 | 20.00 | 20.88 |
| 7175 | Red Rose Calf Starter | 11.44 | 18.00 | 21.25 |
| 6333 | Red Rose Chick Grains | 13.06 | 9.00 | 10.63 |
| 5711 | Red Rose Chick Starter (110-A)
Medicated | 13.30 | 22.00 | 23.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant                                                                                                                              |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                       |
| 3.50                                | 4.53  | 9.00                                | 6.85  |                                                                                                                                       |
| 3.50                                | 4.24  | 8.00                                | 5.48  |                                                                                                                                       |
| 2.50                                | 4.32  | 8.00                                | 5.73  |                                                                                                                                       |
| 3.00                                | 4.50  | 8.00                                | 3.46  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0008%. Sulfaquinox-<br>aline: Guar., 0.0175%;<br>found, 0.0098%. |
| 3.00                                | 3.01  | 8.00                                | 4.71  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0028%. Furazolidone:<br>Guar., 0.011%; found, 0.0100%.           |
| 3.50                                | 4.04  | 9.00                                | 5.43  |                                                                                                                                       |
| 3.50                                | 4.46  | 8.00                                | 5.18  |                                                                                                                                       |
| 3.00                                | 3.19  | 11.00                               | 4.18  |                                                                                                                                       |
| 3.50                                | 4.31  | 9.00                                | 8.88  |                                                                                                                                       |
| 3.50                                | 5.32  | 9.00                                | 7.80  |                                                                                                                                       |
| 3.00                                | 4.79  | 10.00                               | 6.73  |                                                                                                                                       |
| 3.00                                | 3.07  | 9.00                                | 7.00  |                                                                                                                                       |
| 3.00                                | 2.91  | 8.00                                | 5.08  |                                                                                                                                       |
| 1.50                                | 1.89  | 20.00                               | 19.45 |                                                                                                                                       |
| 2.00                                | 2.09  | 18.00                               | 13.16 |                                                                                                                                       |
| 4.00                                | 5.25  | 9.00                                | 6.85  |                                                                                                                                       |
| 4.00                                | 3.98  | 9.00                                | 7.36  |                                                                                                                                       |
| 4.00                                | 4.58  | 5.00                                | 3.48  |                                                                                                                                       |
| 2.50                                | 2.81  | 15.00                               | 10.40 |                                                                                                                                       |
| 2.50                                | 4.06  | 12.50                               | 11.44 |                                                                                                                                       |
| 2.00                                | 3.36  | 4.00                                | 2.78  |                                                                                                                                       |
| 3.50                                | 3.85  | 7.00                                | 6.01  |                                                                                                                                       |
| 2.50                                | 3.69  | 15.00                               | 9.46  |                                                                                                                                       |
| 3.50                                | 5.16  | 7.50                                | 5.95  |                                                                                                                                       |
| 4.00                                | 3.89  | 5.00                                | 4.45  |                                                                                                                                       |
| 3.00                                | 3.31  | 8.00                                | 7.57  |                                                                                                                                       |
| 2.00                                | 2.29  | 3.00                                | 2.13  |                                                                                                                                       |
| 4.00                                | 4.34  | 4.50                                | 3.59  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0043%. Nicarbazin:<br>Guar., 0.0125%; found, 0.0055%.            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                | Manufacturer and brand                                                            | Moisture | Protein<br>(N x 6.25)    |       |
|--------------------------------------------|-----------------------------------------------------------------------------------|----------|--------------------------|-------|
|                                            |                                                                                   |          | Guaranteed not less than | Found |
| 6693                                       | Red Rose Complete Growing Ration                                                  | 10.14    | 16.00                    | 21.50 |
| 5712                                       | Red Rose Complete Growing Ration Medicated (113-A)                                | 12.80    | 16.00                    | 18.00 |
| 4598                                       | Red Rose Complete Laying Ration                                                   | 11.65    | 16.00                    | 17.50 |
| 6691                                       | Red Rose 16 Dairy Feed                                                            | 9.13     | 16.00                    | 17.00 |
| 4630                                       | Red Rose 18 Dairy Feed                                                            | 9.84     | 18.00                    | 20.25 |
| 7174                                       | Red Rose 20 Dairy Feed                                                            | 12.09    | 20.00                    | 23.00 |
| 5899                                       | Red Rose Fattening Mash                                                           | 11.48    | 14.00                    | 15.50 |
| 4632                                       | Red Rose Fitting Ration                                                           | 10.10    | 12.00                    | 14.31 |
| 6617                                       | Red Rose Growing Mash                                                             | 10.44    | 20.00                    | 20.63 |
| 4599                                       | Red Rose Hog Meal                                                                 | 10.57    | 16.00                    | 18.75 |
| 4631                                       | Red Rose Horse Feed                                                               | 11.06    | 9.00                     | 9.56  |
| 6331                                       | Red Rose Intermediate Chick Grains                                                | 12.66    | 9.00                     | 11.25 |
| 4629                                       | Red Rose Laying Mash                                                              | 10.70    | 20.00                    | 21.88 |
| 6932                                       | Red Rose Medicated T-C Feed                                                       | 9.47     | 25.00                    | 28.38 |
| 6941                                       | Red Rose Pigeon Feed                                                              | 11.81    | 12.00                    | 15.13 |
| 4723                                       | Red Rose Rabbit Pellets                                                           | 10.84    | 18.00                    | 18.19 |
| 4869                                       | Red Rose Rabbit Pellets (710-A) Medicated                                         | 11.18    | 18.00                    | 20.13 |
| 5981                                       | Red Rose Scratch Grains                                                           | 12.94    | 9.00                     | 9.88  |
| 6692                                       | Red Rose 14 Test Cow Feed                                                         | 9.51     | 14.00                    | 18.25 |
| 7186                                       | S-O-S                                                                             | 11.16    | 11.00                    | 14.25 |
| EVANS MILLING CO. INC., Indianapolis, Ind. |                                                                                   |          |                          |       |
| 6378                                       | Emco Hominy Feed                                                                  | 11.90    | 10.00                    | 16.75 |
| FARM BUREAU ASSOCIATION, Waltham, Mass.    |                                                                                   |          |                          |       |
| 5951                                       | Farm Bureau Complete Market Egg Mash                                              | 12.39    | 16.00                    | 16.50 |
| 5955                                       | Farm Bureau 16% Dairy Ration                                                      | 13.27    | 16.00                    | 16.88 |
| 6950                                       | Farm Bureau Market Egg Mash                                                       | 9.61     | 20.00                    | 22.38 |
| 5952                                       | Farm Bureau 14% Milking Ration                                                    | 12.66    | 14.00                    | 14.38 |
| 5954                                       | Farm Bureau Rabbit Food Pellets                                                   | 10.36    | 18.00                    | 19.25 |
| FARMERS FEED CO., Brooklyn, N. Y.          |                                                                                   |          |                          |       |
| 6381                                       | "Bull Brand" Brewers Dried Grains                                                 | 8.08     | 26.00                    | 29.63 |
| FISH PRODUCTS CO., Tuckerton, N. J.        |                                                                                   |          |                          |       |
| 4714                                       | Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene | 9.61     | 60.00                    | 65.06 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaranteed not less than | Fat
Found | Fiber | | Medicant |
|--------------------------|--------------|--------------------------|-------|--|
| | | Guaranteed not more than | Found | |
| 4.00 | 4.68 | 5.50 | 4.40 | |
| 4.00 | 4.41 | 5.00 | 4.71 | Nicarbazin: Guar., 0.0125%;
found, 0.0072%. |
| 4.00 | 4.95 | 4.50 | 4.18 | |
| 3.50 | 4.11 | 9.50 | 8.06 | |
| 3.50 | 3.89 | 9.50 | 6.90 | |
| 3.00 | 3.28 | 9.50 | 7.85 | |
| 4.00 | 4.44 | 5.50 | 3.27 | |
| 3.50 | 4.60 | 8.00 | 6.98 | |
| 4.00 | 4.15 | 6.50 | 4.56 | |
| 3.50 | 3.24 | 8.00 | 5.28 | |
| 3.00 | 4.00 | 10.00 | 4.60 | |
| 2.00 | 4.83 | 3.00 | 2.03 | |
| 4.00 | 5.01 | 5.00 | 4.40 | |
| 4.00 | 4.65 | 5.00 | 3.70 | |
| 3.00 | 3.42 | 4.00 | 2.91 | |
| 3.00 | 3.79 | 10.00 | 9.25 | |
| 3.00 | 4.15 | 12.00 | 8.38 | Sulfaquinoxaline: Guar., 0.025%;
found, 0.021%. |
| 2.00 | 3.17 | 4.00 | 2.61 | |
| 3.50 | 4.07 | 8.50 | 7.11 | |
| 2.00 | 2.06 | 16.00 | 12.75 | |
| 5.00 | 5.00 | 7.00 | 3.30 | |
| 4.00 | 4.54 | 4.50 | 3.44 | |
| 3.50 | 3.54 | 8.50 | 7.35 | |
| 4.50 | 4.52 | 5.00 | 4.46 | |
| 3.50 | 3.83 | 8.00 | 7.51 | |
| 3.00 | 3.62 | 18.00 | 11.09 | |
| 6.00 | 7.63 | 17.00 | 12.98 | |
| 5.00 | 8.31 | 3.00 | 0.83 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|---|--|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| FLORIDA CITRUS CANNERS, Lake Wales, Fla. | | | | |
| 6876 | Lake Wales Brand Citrus Pulp | 9.12 | 6.00 | 6.88 |
| THE FOX COMPANY, Newfield, N. J. | | | | |
| 6270 | Foxco D-Activated Animal Sterol | 8.94 | 12.00 | 14.38 |
| GENERAL FOODS CORP., Kankakee, Ill. | | | | |
| 4641 | Burt's Hominy Feed | 9.80 | 9.00 | 9.06 |
| GENERAL MILLS, INC., Minneapolis, Minn. | | | | |
| 6684 | Ben Hur Wheat Bran & Ground
Wheat Screenings | 10.98 | 14.00 | 16.13 |
| 4715 | Washburn's Gold Medal Wheat Bran
& Ground Wheat Screenings | 10.31 | 14.00 | 16.31 |
| 6277 | Washburn's Gold Medal Wheat Bran
& Ground Wheat Screenings | 11.07 | 15.00 | 17.75 |
| 6884 | Washburn's Gold Medal Wheat
Standard Middlings & Ground
Wheat Screenings | 10.51 | 15.00 | 17.38 |
| GENERAL MILLS, INC., Larrowe Region, Detroit, Mich. | | | | |
| 6183 | Larro Chick Grains | 12.46 | 9.00 | 10.88 |
| 5785 | Larro SureBroiler Starter 26
(NCB-AGS) Medicated | 12.77 | 26.00 | 25.63 |
| 6436 | Larro SureChick | 11.29 | 20.00 | 21.75 |
| 5814 | Larro SureChick (NCB) Medicated | 11.96 | 20.00 | 20.50 |
| 6435 | Larro SureGrow Complete "H-E" | 9.79 | 16.00 | 18.75 |
| 6177 | Larro SureLay Complete "H-E" | 10.32 | 16.00 | 18.50 |
| 6175 | Larro SureLay "H-E" | 11.64 | 20.00 | 21.75 |
| 6176 | Larro SureMilk 16 | 10.26 | 16.00 | 18.38 |
| 6004 | Larro SureMilk 20 | 10.54 | 20.00 | 21.63 |
| 5806 | Larro SurePork Grower Complete
(AGS) Medicated | 12.06 | 15.00 | 17.63 |
| 6002 | Larro SureRabbit | 9.71 | 15.00 | 16.38 |
| 7503 | Larro SureRabbit Medicated | 9.49 | 15.00 | 17.88 |
| 7462 | Larro SureTurk | 10.55 | 27.00 | 29.63 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant                                                                                                                 |
|-------------------------------------|-------|-------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                          |
| 2.00                                | 3.44  | 16.00                               | 11.12 |                                                                                                                          |
| 0.50                                | 7.53  | 37.00                               | 26.80 |                                                                                                                          |
| 5.00                                | 5.60  | 6.00                                | 3.93  |                                                                                                                          |
| 3.00                                | 3.82  | 12.00                               | 8.59  |                                                                                                                          |
| 3.50                                | 4.48  | 12.00                               | 10.00 |                                                                                                                          |
| 3.50                                | 4.23  | 12.00                               | 9.13  |                                                                                                                          |
| 3.50                                | 4.22  | 9.50                                | 7.00  |                                                                                                                          |
| 2.00                                | 3.33  | 4.00                                | 3.60  |                                                                                                                          |
| 6.50                                | 7.84  | 2.50                                | 2.30  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0051%. Nicarbazin:<br>Guar., 0.01%; found, 0.0116%. |
| 3.50                                | 3.44  | 5.00                                | 3.60  |                                                                                                                          |
| 3.50                                | 3.97  | 5.00                                | 3.91  | Nicarbazin: Guar., 0.01%;<br>found, 0.0106%.                                                                             |
| 3.50                                | 4.23  | 5.50                                | 5.35  |                                                                                                                          |
| 3.50                                | 3.96  | 5.00                                | 3.48  |                                                                                                                          |
| 3.50                                | 4.55  | 5.50                                | 4.05  |                                                                                                                          |
| 3.00                                | 3.58  | 9.00                                | 7.08  |                                                                                                                          |
| 3.00                                | 3.47  | 9.00                                | 7.28  |                                                                                                                          |
| 3.00                                | 4.14  | 6.00                                | 5.22  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0112%.                                                                         |
| 2.00                                | 2.81  | 19.00                               | 17.03 |                                                                                                                          |
| 2.00                                | 2.41  | 19.00                               | 15.68 | Furazolidone: Guar., 0.0055%;<br>found, 0.0054%.                                                                         |
| 2.50                                | 2.51  | 8.50                                | 6.38  |                                                                                                                          |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                 | Manufacturer and brand                                                              | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|                                                             |                                                                                     |               | Guaran-<br>teed not<br>less<br>than | Found |
| THE GLIDDEN CO., Chemurgy Div., Chicago, Ill.               |                                                                                     |               |                                     |       |
| 7377                                                        | Glidden Hi Prosoy 50% Protein<br>Sol. Ext. Soybean Oil Meal                         | 11.01         | 50.00                               | 50.88 |
| GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.             |                                                                                     |               |                                     |       |
| 6312                                                        | Globpro Brand 60% Protein Fish<br>Meal                                              | 9.09          | 60.00                               | 71.13 |
| GORTON-PEW FISHERIES CO., LTD., Gloucester, Mass.           |                                                                                     |               |                                     |       |
| 6146                                                        | Gorton's Al-Blend "Junior"                                                          | 9.32          | 40.00                               | 43.25 |
| D. H. GRANDIN MILLING CO., Jamestown, N. Y.                 |                                                                                     |               |                                     |       |
| 6244                                                        | Grandin's Calf Starter                                                              | 11.36         | 18.00                               | 18.13 |
| 6695                                                        | Grandin's 14% Fitting Ration                                                        | 9.93          | 14.00                               | 19.63 |
| 6008                                                        | Grandin's Hi-Pro Pellets                                                            | 11.05         | 22.00                               | 23.63 |
| 6007                                                        | Grandin's Horse Feed                                                                | 10.04         | 9.00                                | 22.63 |
| 6696                                                        | Grandin's Intermediate Chick<br>Grains                                              | 11.61         | 10.00                               | 9.38  |
| 6005                                                        | Grandin's Laying Mash                                                               | 11.08         | 20.00                               | 22.25 |
| 6241                                                        | Grandin's 14 Milk Maker                                                             | 12.58         | 14.00                               | 15.50 |
| 6223                                                        | Grandin's 16 Milk Maker                                                             | 12.33         | 16.00                               | 17.50 |
| 6694                                                        | Grandin's 20 Milk Maker                                                             | 9.51          | 20.00                               | 21.88 |
| 6009                                                        | Grandin's Rabbit Pellets                                                            | 9.26          | 17.00                               | 19.38 |
| 6006                                                        | Grandin's Start-To-Finish                                                           | 10.18         | 20.00                               | 21.38 |
| 6697                                                        | Grandin's 18 Test Ration                                                            | 10.52         | 18.00                               | 21.13 |
| 7464                                                        | Grandin's 14% Twin Six Dairy<br>Ration                                              | 11.81         | 14.00                               | 16.00 |
| THE GREAT ATLANTIC & PACIFIC TEA CO.,<br>Minneapolis, Minn. |                                                                                     |               |                                     |       |
| 6943                                                        | Daily Egg Laying Mash                                                               | 9.16          | 20.00                               | 23.38 |
| THE GREAT WESTERN SUGAR CO., Denver, Colo.                  |                                                                                     |               |                                     |       |
| 6219                                                        | GW Dried Beet Pulp & Condensed<br>Beet Solubles Product Neutralized<br>with Ammonia | 10.97         | 13.50                               | 16.75 |
| HAFFENREFFER & CO., INC., Boston, Mass.                     |                                                                                     |               |                                     |       |
| 6300                                                        | Haffenreffer & Co. Brewers' Dried<br>Yeast                                          | 9.71          | 40.00                               | 48.25 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|-------------------------------------|-------|-------------------------------------|-------|----------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 0.50 | 0.58 | 3.00 | 3.00 | |
| 8.00 | 11.44 | 1.00 | 0.38 | |
| 6.00 | 7.19 | 8.00 | 7.63 | |
| 3.00 | 3.39 | 10.00 | 7.68 | |
| 3.00 | 3.19 | 10.00 | 7.08 | |
| 3.00 | 2.41 | 5.00 | 5.79 | |
| 3.00 | 3.19 | 11.00 | 7.24 | |
| 2.50 | 2.96 | 5.00 | 1.68 | |
| 2.00 | 2.73 | 4.50 | 5.21 | |
| 3.00 | 3.57 | 10.00 | 7.95 | |
| 3.00 | 3.53 | 10.00 | 6.33 | |
| 3.00 | 3.08 | 10.00 | 6.74 | |
| 3.00 | 2.82 | 18.00 | 12.31 | |
| 2.50 | 2.69 | 6.00 | 7.43 | |
| 3.00 | 3.07 | 10.00 | 7.28 | |
| 3.00 | 2.79 | 10.00 | 7.12 | |
| 3.00 | 3.76 | 7.50 | 8.21 | |
| -- | -- | 20.00 | 16.05 | |
| 0.75 | 0.73 | 5.50 | 3.93 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|--|---|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| HALES & HUNTER CO., Chicago, Ill. | | | | |
| 6092 | Gold Flake 16 Dairy | 11.46 | 16.00 | 18.25 |
| 6933 | Pioneer Bull Feed | 10.78 | 12.00 | 15.13 |
| 5982 | Pioneer Calf Starter | 10.63 | 18.00 | 21.25 |
| 6091 | Pioneer Dairy Fitting Feed | 12.52 | 14.00 | 15.00 |
| 6173 | Pioneer Dairy Production 16 | 11.76 | 16.00 | 17.38 |
| 6094 | Pioneer Dairy Production 18 | 12.16 | 18.00 | 20.13 |
| 6278 | Pioneer Dry & Freshening | 9.79 | 12.00 | 14.38 |
| 7194 | Pioneer Greeno | 12.13 | 12.00 | 12.00 |
| 6102 | Pioneer Horse Feed | 12.33 | 12.00 | 12.50 |
| 5995 | Pioneer Pelleted Flaked 15 Dairy | 12.84 | 15.00 | 16.13 |
| 7197 | Pioneer Rabbit Pellets | 9.72 | 16.00 | 18.63 |
| 6097 | Pioneer Sup-Pel Pellets | 8.58 | 18.00 | 21.00 |
| 7452 | Pioneer Sup-R-Flo Dairy Pellets
16 | 9.91 | 16.00 | 19.88 |
| 6100 | Red Comb Breeder Mash | 10.14 | 20.00 | 20.25 |
| 5791 | Red Comb Broiler Starter GGG
Medicated | 11.71 | 24.00 | 24.75 |
| 6938 | Red Comb Broiler Station
Fattener | 9.59 | 14.00 | 15.13 |
| 6103 | Red Comb C Flakes | 11.62 | 15.00 | 16.38 |
| 6096 | Red Comb Complete Layer | 10.96 | 17.00 | 17.00 |
| 6279 | Red Comb Duck Grower | 9.37 | 16.00 | 16.75 |
| 7447 | Red Comb Duck Starter | 9.48 | 18.00 | 21.38 |
| 6269 | Red Comb Egg Mash | 10.31 | 20.00 | 22.50 |
| 6101 | Red Comb Growing Mash | 12.42 | 18.00 | 18.38 |
| 7148 | Red Comb Growing Mash Z
Medicated | 10.75 | 18.00 | 18.13 |
| 7497 | Red Comb Pioneer Wormer | 10.27 | 20.00 | 20.50 |
| 7382 | Red Comb Scratch Feed | 12.64 | 9.00 | 10.13 |
| 6268 | Red Comb Turkey Grower | 10.06 | 23.00 | 25.50 |
| HARPER FEED MILLS, INC., Washington, Pa. | | | | |
| 6357 | Harco Milk Replacer for Young
Calves | 8.97 | 25.00 | 29.13 |
| 7339 | Warren's Complete Laying Mash | 10.92 | 16.00 | 17.38 |
| 6351 | Warren's 20% Laying Mash | 10.67 | 20.00 | 23.75 |
| 7336 | Warren's Test Cow 16% Dairy | 11.02 | 16.00 | 20.38 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant                                                                                                                           |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                    |
| 2.00                                | 2.43  | 12.00                               | 9.89  |                                                                                                                                    |
| 3.00                                | 3.84  | 9.00                                | 6.66  |                                                                                                                                    |
| 2.50                                | 2.84  | 7.00                                | 5.27  |                                                                                                                                    |
| 2.50                                | 3.41  | 9.00                                | 7.24  |                                                                                                                                    |
| 3.00                                | 3.92  | 8.00                                | 7.28  |                                                                                                                                    |
| 3.00                                | 3.53  | 8.00                                | 7.12  |                                                                                                                                    |
| 2.50                                | 3.23  | 8.00                                | 6.60  |                                                                                                                                    |
| 2.50                                | 1.09  | 18.00                               | 13.85 |                                                                                                                                    |
| 2.50                                | 3.83  | 8.00                                | 7.02  |                                                                                                                                    |
| 2.50                                | 3.19  | 7.00                                | 5.96  |                                                                                                                                    |
| 2.00                                | 2.18  | 15.00                               | 8.52  |                                                                                                                                    |
| 3.00                                | 4.79  | 8.00                                | 6.91  |                                                                                                                                    |
| 3.00                                | 2.99  | 10.00                               | 7.78  |                                                                                                                                    |
| 3.50                                | 5.40  | 6.50                                | 5.76  |                                                                                                                                    |
| 4.00                                | 4.92  | 4.00                                | 2.61  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0046%. Glycarbyla-<br>mide: Guar., 0.003%; found,<br>0.0032%. |
| 3.00                                | 3.29  | 7.00                                | 4.79  |                                                                                                                                    |
| 2.50                                | 4.01  | 5.00                                | 2.64  |                                                                                                                                    |
| 3.00                                | 4.95  | 5.50                                | 4.94  |                                                                                                                                    |
| 3.00                                | 3.43  | 6.00                                | 4.85  |                                                                                                                                    |
| 3.00                                | 3.18  | 6.50                                | 5.32  |                                                                                                                                    |
| 3.50                                | 6.10  | 6.50                                | 5.68  |                                                                                                                                    |
| 3.00                                | 5.00  | 7.00                                | 5.58  |                                                                                                                                    |
| 3.00                                | 4.73  | 7.00                                | 5.81  | Nicarbazin: Guar., 0.02%;<br>found, 0.020%.                                                                                        |
| 3.00                                | 3.24  | 5.00                                | 3.81  | Piperazine guaranteed: not<br>determined.                                                                                          |
| 2.00                                | 3.19  | 5.00                                | 5.29  |                                                                                                                                    |
| 3.00                                | 4.75  | 6.00                                | 4.25  |                                                                                                                                    |
| 3.50                                | 4.96  | 2.50                                | 1.30  |                                                                                                                                    |
| 3.00                                | 3.89  | 6.00                                | 3.99  |                                                                                                                                    |
| 3.00                                | 4.99  | 7.00                                | 4.93  |                                                                                                                                    |
| 3.50                                | 2.94  | 8.50                                | 2.51  |                                                                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                   | Manufacturer and brand                                                 | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|-----------------------------------------------|------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|                                               |                                                                        |               | Guaran-<br>teed not<br>less<br>than | Found |
| HONEYMEAD PRODUCTS CO., Mankato, Minn.        |                                                                        |               |                                     |       |
| 6250                                          | Honeyamead Hexane Solvent Extracted High Energy 48.5% Soybean Oil Meal | 11.19         | 48.50                               | 51.75 |
| H. P. HOOD & SONS, INC., Boston, Mass.        |                                                                        |               |                                     |       |
| 6929                                          | Dried Skimmed Milk                                                     | 9.92          | 28.00                               | 30.63 |
| H. P. HOOD & SONS, Dunedin, Fla.              |                                                                        |               |                                     |       |
| 6613                                          | Hood Citrus Pulp                                                       | 9.41          | 6.00                                | 6.50  |
| HOWARD FEED MILLS, INC., Jacksonville, Fla.   |                                                                        |               |                                     |       |
| 6887                                          | Howard's VeriBest Dried Citrus Pulp                                    | 8.76          | 6.00                                | 6.50  |
| THE HUBINGER CO., Keokuk, Iowa                |                                                                        |               |                                     |       |
| 6623                                          | Ke OK uk Brand 21% Protein Corn Gluten Feed                            | 10.31         | 21.00                               | 23.38 |
| 7469                                          | Ke OK uk Brand Corn Gluten Meal                                        | 7.99          | 41.00                               | 45.88 |
| ILLINOIS CEREAL MILLS INC., Paris, Ill.       |                                                                        |               |                                     |       |
| 4602                                          | Hominy Feed                                                            | 11.31         | 10.00                               | 9.56  |
| INTERNATIONAL MILLING CO., Minneapolis, Minn. |                                                                        |               |                                     |       |
| 5976                                          | Blackhawk Wheat Bran with Ground Mixed Screenings                      | 12.96         | 13.50                               | 16.88 |
| 6454                                          | Blackhawk Wheat Germ Meal                                              | 10.54         | 25.00                               | 28.25 |
| 6182                                          | Blackhawk Wheat Standard Middlings with Ground Mixed Screenings        | 12.44         | 14.00                               | 18.88 |
| 7355                                          | Blackhawk Wheat Standard Middlings with Ground Mixed Screenings        | 10.94         | 14.00                               | 18.25 |
| 5975                                          | Target Wheat Reddog                                                    | 13.19         | 15.00                               | 17.00 |
| HERMAN ISACS, INC., Bridgeport, Conn.         |                                                                        |               |                                     |       |
| 6255                                          | Hi-Test Meat & Bone Meal                                               | 6.29          | 50.00                               | 50.75 |
| JOHN JERVIS GRAIN CO., LTD., Toronto, Canada  |                                                                        |               |                                     |       |
| 6107                                          | Jervis Pure Wheat Shorts                                               | 12.56         | 15.00                               | 15.13 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaran-
teed not
less
than | Fat
Found | Fiber | | Medicant |
|-------------------------------------|--------------|-------------------------------------|-------|----------|
| | | Guaran-
teed not
more
than | Found | |
| 0.50 | 1.34 | 3.00 | 2.33 | |
| 0.75 | 6.41 | - - | - - | |
| 2.75 | 6.59 | 15.00 | 9.81 | |
| 2.50 | 4.33 | 11.00 | 9.36 | |
| 1.00 | 1.69 | 10.00 | 5.88 | |
| 1.00 | <u>0.63</u> | 6.00 | 2.41 | |
| 5.00 | 5.86 | 6.00 | 3.88 | |
| 2.50 | 3.79 | 12.00 | 9.81 | |
| 7.00 | 9.73 | 4.00 | 2.67 | |
| 3.00 | 5.26 | 9.50 | 6.00 | |
| 3.00 | 4.11 | 9.50 | 9.22 | |
| 2.00 | 3.99 | 4.00 | 3.08 | |
| 2.00 | 2.48 | 3.00 | 1.75 | |
| 5.00 | 4.76 | 8.00 | 7.80 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|--|--|---------------|-------------------------------------|--------------|
| | | | Guaran-
teed not
less
than | Found |
| KELLOGG SALES CO., Battle Creek, Mich. | | | | |
| 6304 | Kellogg's Hominy Feed | 11.66 | 9.50 | 9.50 |
| SPENCER KELLOGG & SONS, INC., Buffalo, N. Y. | | | | |
| 6925 | Spencer Kellogg's 44% Protein
Toasted Soybean Oil Meal
Solvent Extracted | 10.37 | 44.00 | 47.38 |
| KENNEL FOOD SUPPLY DIV., Fairfield, Conn. | | | | |
| 6936 | KFS Hi-Protein Mink Ration | 8.18 | 24.00 | 28.38 |
| 5896 | KFS Rabbit Pellets | 9.46 | 19.00 | 20.88 |
| KEYSTONE DEHYDRATORS, Nazareth, Pa. | | | | |
| 7163 | Keystone Super Green Dehydrated
Alfalfa Meal | 7.02 | 17.00 | 18.00 |
| KING MIDAS FLOUR MILLS, Minneapolis, Minn. | | | | |
| 6315 | King Midas Wheat Standard Middlings
& Ground Wheat Screenings | 12.00 | 15.00 | 17.75 |
| KRAFT FOOD DIV., New York, N. Y. | | | | |
| 4635 | Kaff-A Booster Pellets | 9.10 | 29.00 | 28.81 |
| 7473 | Kaff-A Booster Pellets | 7.06 | 29.00 | <u>27.63</u> |
| 6301 | Kraco Dried Whole Whey | 7.89 | 12.00 | 14.38 |
| CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. | | | | |
| 6689 | Badger Yellow Hominy Feed | 10.34 | 10.00 | 11.50 |
| KUDER PULP SALES CO., Lake Alfred, Fla. | | | | |
| 5980 | Kuder Dried Citrus Pulp, High
Sugar | 10.10 | 6.00 | 7.50 |
| 4642 | Kuder Dried Citrus Pulp, High
Sugar, Late Production | 8.10 | 6.00 | 6.06 |
| LAUHOFF GRAIN CO., Danville, Ill. | | | | |
| 6246 | Vermilion Hominy Feed | 11.37 | 9.00 | 9.75 |

 indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaran-
teed not
less
than | Fat
Found | Fiber | | Medicant |
|-------------------------------------|--------------|-------------------------------------|--------------|----------|
| | | Guaran-
teed not
more
than | Found | |
| 6.50 | 6.64 | 4.50 | 4.13 | |
| 0.50 | 0.82 | 7.00 | 5.30 | |
| 3.00 | 3.09 | 3.00 | 2.82 | |
| 2.00 | 4.25 | 11.00 | <u>12.33</u> | |
| 2.00 | 2.71 | 27.00 | 24.05 | |
| 4.00 | 6.00 | 9.50 | 7.98 | |
| 5.00 | 6.00 | 2.00 | 2.13 | |
| 5.00 | 5.79 | 2.00 | <u>3.01</u> | |
| 0.50 | 0.58 | - - | - - | |
| 5.00 | 5.65 | 6.00 | 3.96 | |
| 3.00 | 3.81 | 15.00 | 10.22 | |
| 3.00 | 3.63 | 13.00 | 10.40 | |
| 5.00 | <u>4.68</u> | 6.00 | 4.33 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|---|--|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| LIBNER GRAIN CO., Norwalk, Conn. | | | | |
| 6928 | 12% Libner's Blue Ribbon Fitting Ration | 11.50 | 12.00 | 15.75 |
| 6927 | Libner's Blue Ribbon Growing Mash | 9.96 | 18.00 | 21.88 |
| 6003 | Libner's Blue Ribbon Horse & Calf Ration | 11.40 | 10.50 | 10.75 |
| 6926 | Libner's Blue Ribbon Milk Egg Mash | 9.96 | 20.00 | 22.63 |
| 6931 | 20% Milkflow Dairy Ration | 11.37 | 20.00 | <u>18.00</u> |
| MACHNICKI'S GRAIN STORE, Jewett City, Conn. | | | | |
| 6309 | Machnicki's Hi-Energy All Mash Layer | 12.46 | 15.50 | 17.38 |
| MARITIME MILLING CO., INC., Buffalo, N. Y. | | | | |
| 5797 | Ma-Co 22% Broiler Ration (795-AR-G) Medicated | 13.26 | 22.00 | 26.00 |
| 6948 | Ma-Co Complete Grower & Layer Ration (1025) | 10.37 | 17.00 | 18.50 |
| 6947 | Super Ma-Co Complete Breeder Ration | 11.66 | 18.00 | 19.00 |
| 7502 | Super Ma-Co Complete Chick Starter Ration (805-AR-B) Medicated | 12.49 | 22.00 | 22.13 |
| 6099 | Super Ma-Co Growing & Laying Ration 18% | 12.30 | 18.00 | 20.63 |
| 5990 | Super Ma-Co Complete Growing & Laying Ration 18% (815-B) Medicated | 13.66 | 18.00 | 20.38 |
| 5989 | Super Ma-Co Complete Growing & Laying Ration 18% (815-F) Medicated | 12.16 | 18.00 | 22.63 |
| 7491 | Super Ma-Co Medicated Stress Aid Ration (970-A-2-F) | 11.48 | 22.00 | 23.00 |

~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaranteed not less than | Fat<br>Found | Fiber                    |       | Medicant                                                                                                       |
|--------------------------|--------------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------|
|                          |              | Guaranteed not more than | Found |                                                                                                                |
| 4.00                     | <u>3.58</u>  | 10.00                    | 6.26  |                                                                                                                |
| 4.00                     | 4.96         | 6.00                     | 4.51  |                                                                                                                |
| 3.50                     | 4.04         | 7.00                     | 6.61  |                                                                                                                |
| 3.00                     | 5.06         | 6.50                     | 5.41  |                                                                                                                |
| 4.00                     | <u>3.59</u>  | 9.00                     | 6.52  |                                                                                                                |
| 3.50                     | 3.73         | 4.50                     | 2.70  |                                                                                                                |
| 4.50                     | 5.56         | 3.00                     | 2.00  | Arsanilic acid: Guar., 0.01%; found, 0.0112%. Glycarbylamide: Guar., 0.003%; found, 0.0026%.                   |
| 4.00                     | 4.65         | 4.50                     | 4.47  |                                                                                                                |
| 3.00                     | 3.39         | 3.00                     | 2.01  |                                                                                                                |
| 3.00                     | 3.27         | 3.00                     | 2.15  | Arsanilic acid: Guar., 0.01%; found, 0.0165%. Nitrofurazone plus furazolidone: Guar., 0.0063%; found, 0.0060%. |
| 3.00                     | 3.94         | 3.00                     | 2.90  |                                                                                                                |
| 3.00                     | 3.06         | 3.00                     | 2.98  | Nitrofurazone plus furazolidone: Guar., 0.0063%; found, 0.0068%.                                               |
| 3.00                     | 4.31         | 3.00                     | 2.49  | Furazolidone: Guar., 0.0055%; found, 0.0052%.                                                                  |
| 3.00                     | 3.56         | 3.00                     | 1.96  | Furazolidone: Guar., 0.011%; found, 0.0120%. Antibiotics guaranteed; not determined.                           |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                   | Manufacturer and brand                                        | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|-----------------------------------------------|---------------------------------------------------------------|---------------|-------------------------------------|-------|
|                                               |                                                               |               | Guaran-<br>teed not<br>less<br>than | Found |
| 5946                                          | Red Wing Laying Mash                                          | 11.60         | 18.00                               | 17.13 |
| 6252                                          | Red Wing Pig & Hog Feed                                       | 10.37         | 17.00                               | 17.75 |
| 7370                                          | Red Wing Stock Feed                                           | 12.01         | 10.00                               | 10.38 |
| 7368                                          | Special Balance Growing Mash                                  | 11.16         | 18.00                               | 18.00 |
| 7366                                          | Special Balance High Efficiency<br>Complete Laying Mash       | 12.29         | 16.00                               | 16.75 |
| 7367                                          | Special Balance Laying Mash                                   | 11.21         | 20.00                               | 20.00 |
| 4868                                          | Special Balance Starting Mash<br>Medicated                    | 11.78         | 20.00                               | 20.31 |
| THE MENNEL MILLING CO., Toledo, Ohio          |                                                               |               |                                     |       |
| 7168                                          | Memo Wheat Standard Middlings<br>with Ground Wheat Screenings | 12.01         | 14.00                               | 15.75 |
| MERCK & CO., INC., Rahway, N. J.              |                                                               |               |                                     |       |
| 5790                                          | Glycamide 6%                                                  |               |                                     |       |
| MILLER ALFALFA CO., Defiance, Ohio            |                                                               |               |                                     |       |
| 6275                                          | Miller's Choice Brand 17%<br>Dehydrated Alfalfa Meal          | 8.14          | 17.00                               | 17.00 |
| MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.  |                                                               |               |                                     |       |
| 6886                                          | Choice Steam Cooked Hominy Feed                               | 9.47          | 10.00                               | 11.88 |
| MINNESOTA LINSEED OIL CO., Minneapolis, Minn. |                                                               |               |                                     |       |
| 4679                                          | Minnesota 34% Protein Sol. Ext.<br>Linseed Oil Meal           | 10.76         | 34.00                               | 36.50 |
| MINUTE MAID CORP., Orlando, Fla.              |                                                               |               |                                     |       |
| 4605                                          | Golden Isle Citrus Pulp                                       | 8.91          | 5.50                                | 5.88  |
| GEO. Q. MOON & CO., INC., Binghamton, N. Y.   |                                                               |               |                                     |       |
| 7356                                          | Moon Goat Ration                                              | 11.26         | 16.00                               | 17.88 |
| 6471                                          | Moon Hog Feed                                                 | 10.77         | 15.00                               | 15.75 |
| 6472                                          | Moon Horse Feed                                               | 10.73         | 9.00                                | 12.63 |
| 6470                                          | Moon Laying Mash                                              | 11.33         | 22.00                               | 22.50 |
| 6296                                          | Moon Rabbit Pellets                                           | 10.62         | 15.00                               | 17.38 |
| 6297                                          | Moon Scratch Feed                                             | 12.45         | 10.00                               | 10.75 |
| 6930                                          | Moon Starter Mash                                             | 9.39          | 20.00                               | 20.75 |

~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaran-
teed not
less
than | Fat
Found | Fiber | | Medicant |
|-------------------------------------|--------------|-------------------------------------|-------|--|
| | | Guaran-
teed not
more
than | Found | |
| 3.20 | 2.84 | 8.00 | 8.41 | |
| 3.00 | 3.19 | 7.00 | 5.53 | |
| 2.50 | 2.24 | 11.00 | 9.63 | |
| 3.50 | 3.83 | 6.00 | 5.82 | |
| 3.00 | 3.72 | 5.00 | 4.95 | |
| 3.00 | 3.16 | 6.00 | 5.96 | |
| 3.50 | 3.50 | 6.00 | 5.80 | Sulfaquinoline: Guar.,
0.0175%; found, 0.0150%. |
| 3.50 | 3.79 | 9.50 | 7.52 | |
| 1.50 | 3.14 | 27.00 | 24.25 | Glycarbylamide: Guar., 6%;
found, 6.00%. |
| 5.00 | 5.06 | 5.00 | 3.76 | |
| 0.50 | 1.63 | 10.00 | 8.10 | |
| 2.75 | 2.78 | 15.00 | 9.48 | |
| 3.00 | 3.61 | 8.00 | 8.82 | |
| 3.00 | 3.53 | 7.50 | 6.16 | |
| 1.50 | 2.58 | 10.00 | 7.72 | |
| 4.00 | 4.27 | 6.50 | 5.31 | |
| 2.50 | 3.46 | 12.00 | 8.90 | |
| 2.00 | 2.09 | 5.00 | 2.63 | |
| 4.00 | 4.37 | 6.00 | 4.72 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|---|---|---------------|-------------------------------------|--------------|
| | | | Guaran-
teed not
less
than | Found |
| FRED C. MORSE & SON, Guilford, Conn. | | | | |
| 6433 | Old Mill Complete Growing Mash | 10.69 | 16.00 | 17.75 |
| 7145 | Old Mill Complete Starting Mash
Medicated | 12.28 | 20.00 | 20.25 |
| 4750 | Old Mill 16% Dairy Feed | 17.46 | 16.00 | <u>13.65</u> |
| 6427 | Old Mill Fitting Feed | 11.61 | 14.00 | 14.00 |
| 7361 | Old Mill Growing Mash | 11.37 | 18.00 | 18.38 |
| 7146 | Old Mill Hi-Calorie Broiler
Finisher Medicated | 12.34 | 20.00 | 20.00 |
| MOUNT VERNON MILLING CO., Mt. Vernon, Ind. | | | | |
| 6431 | Old Mill High-Energy Laying Mash | 12.36 | 16.00 | 17.13 |
| 6432 | Old Mill Laying Mash | 9.87 | 20.00 | 21.63 |
| 4748 | Old Mill Rabbit Pellets | 4.07 | 14.00 | 18.19 |
| 4751 | Old Mill Starting Mash | 11.34 | 18.00 | 20.00 |
| MOWAT, WILSON & CO., Detroit, Mich. | | | | |
| 6688 | Poco Hominy Feed | 10.49 | 10.00 | 9.38 |
| 4674 | Dried Beet Pulp | 10.08 | 7.00 | 8.56 |
| 4743 | Dried Beet Pulp | 9.11 | 7.00 | 7.13 |
| 6057 | Dried Beet Pulp | 11.07 | 7.00 | 8.00 |
| 6060 | Dried Beet Pulp | 11.19 | 7.00 | 11.13 |
| 7477 | Dried Beet Pulp | 11.44 | 7.00 | 8.50 |
| 6440 | Dried Molasses - Beet Pulp | 13.50 | 7.00 | 9.88 |
| NATIONAL ALFALFA DEHYDRATING & MILLING CO.,
Lamar, Colo. | | | | |
| 6888 | Jack Rabbit 15% Protein Dehydrated
Alfalfa Meal | 8.61 | 15.00 | 15.63 |
| 7470 | Jack Rabbit 17% Dehydrated
Alfalfa Meal | 7.58 | 17.00 | 18.63 |
| 4597 | Krumbles | 9.87 | 13.00 | 13.81 |
| 7295 | National 20% Broiler-Layer Grade
Dehydrated Alfalfa Meal | 9.80 | 20.00 | <u>18.63</u> |
| NATIONAL BISCUIT CO., Toledo, Ohio | | | | |
| 6437 | Namico | 12.13 | 14.00 | 15.88 |
| 6465 | Pure Wheat Bran | 10.46 | 13.00 | 15.38 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |             | Fiber                               |              | Medicant                                                                                                                  |
|-------------------------------------|-------------|-------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found        |                                                                                                                           |
| 3.50                                | 3.40        | 5.50                                | 4.58         | Nicarbazin: Guar., 0.015%;<br>found, 0.0121%.                                                                             |
| 3.00                                | 3.00        | 5.50                                | 3.81         |                                                                                                                           |
| 2.50                                | 3.82        | 8.00                                | 4.44         |                                                                                                                           |
| 3.00                                | 3.85        | 8.00                                | 4.73         |                                                                                                                           |
| 3.50                                | 3.94        | 6.50                                | 5.81         | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.003%;<br>found, 0.0042%. Nicarbazin:<br>Guar., 0.004%; found, 0.0086%. |
| 6.00                                | 6.41        | 3.00                                | 2.41         |                                                                                                                           |
| 3.00                                | 3.69        | 5.00                                | 3.38         |                                                                                                                           |
| 3.50                                | 3.74        | 7.50                                | 6.05         |                                                                                                                           |
| 3.00                                | 3.91        | 15.00                               | 10.90        |                                                                                                                           |
| 3.50                                | 4.00        | 6.50                                | 5.48         |                                                                                                                           |
| 5.50                                | <u>4.79</u> | 6.00                                | 3.43         |                                                                                                                           |
| 0.30                                | 0.87        | 22.50                               | 18.03        |                                                                                                                           |
| 0.30                                | 0.31        | 22.50                               | 18.05        |                                                                                                                           |
| 0.30                                | 0.38        | 22.50                               | 18.91        |                                                                                                                           |
| 0.30                                | 0.64        | 22.50                               | 19.82        |                                                                                                                           |
| 0.30                                | 0.34        | 22.50                               | 18.65        |                                                                                                                           |
| 0.30                                | 0.42        | 20.00                               | 14.05        |                                                                                                                           |
| 1.50                                | 2.46        | 30.00                               | 27.96        |                                                                                                                           |
| 1.50                                | 3.17        | 27.00                               | 21.73        |                                                                                                                           |
| 1.50                                | 1.75        | 33.00                               | 29.60        |                                                                                                                           |
| 2.50                                | 3.52        | 20.00                               | <u>21.40</u> |                                                                                                                           |
| 3.50                                | 3.83        | 9.00                                | 5.80         |                                                                                                                           |
| 3.00                                | 3.71        | 10.00                               | 9.11         |                                                                                                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                            | Manufacturer and brand                      | Moisture | Protein<br>(N x 6.25)    |       |
|----------------------------------------|---------------------------------------------|----------|--------------------------|-------|
|                                        |                                             |          | Guaranteed not less than | Found |
| THE NEW CENTURY CO., Chicago, Ill.     |                                             |          |                          |       |
| 7357                                   | Brewers Dried Grains                        | 10.06    | 24.00                    | 24.00 |
| NOPCO CHEMICAL CO., Harrison, N. J.    |                                             |          |                          |       |
| 5926                                   | Nopco-Pak Hi-Lay Premix                     | 6.90     | 7.00                     | 14.63 |
| 5925                                   | Nopco-Pak Super Premix                      | 11.62    | 8.00                     | 20.13 |
| 5924                                   | Nopdex "3000"                               | 8.96     | 40.00                    | 48.63 |
| 6299                                   | Nopdex "3000"                               | 10.52    | 10.00                    | 10.88 |
| NORTHERN OHIO SUGAR CO., Denver, Colo. |                                             |          |                          |       |
| 6341                                   | G-W Dried Beet Pulp                         | 11.71    | 8.00                     | 9.00  |
| OGDEN GRAIN CO., Utica, N. Y.          |                                             |          |                          |       |
| 6363                                   | Ogden Complete Grower                       | 12.07    | 16.00                    | 16.63 |
| 6151                                   | Ogden Complete Layer                        | 12.32    | 16.00                    | 16.13 |
| 7453                                   | Ogden Developer Feed                        | 13.40    | 8.50                     | 8.63  |
| 7459                                   | Ogden Hi-Energy Growing Mash                | 10.68    | 16.00                    | 16.38 |
| 7460                                   | Ogden Hi-Energy Laying Mash                 | 10.66    | 16.00                    | 16.25 |
| 5780                                   | Ogden Hi-Energy Starter & Broiler Medicated | 12.59    | 22.00                    | 23.25 |
| 6361                                   | Ogden Horse Feed                            | 13.11    | 10.00                    | 11.25 |
| 6150                                   | Ogden Laying Mash                           | 9.99     | 20.00                    | 21.25 |
| 6358                                   | Ogden Premium 16% Dairy Ration              | 12.01    | 16.00                    | 16.38 |
| 7461                                   | Ogden Premium 14% Fitting Ration            | 12.44    | 14.00                    | 14.00 |
| 6360                                   | Ogden Premium 18% Test Cow Ration           | 11.76    | 18.00                    | 18.13 |
| 6362                                   | Ogden Rabbit Pellets                        | 10.06    | 18.00                    | 18.25 |
| 6149                                   | Ogden Reliable 16% Dairy Feed               | 11.97    | 16.00                    | 17.38 |
| 6152                                   | Ogden Reliable Fitting Feed                 | 11.87    | 14.00                    | 15.13 |
| 6170                                   | Ogden Scratch Grains                        | 13.09    | 9.00                     | 11.13 |
| 6359                                   | Ogden Super Hi-Energy Laying Mash           | 12.08    | 20.00                    | 21.38 |
| 6354                                   | Warren's Complete Laying Mash               | 9.31     | 16.00                    | 18.00 |
| 6353                                   | Warren's 20% Laying Mash                    | 10.37    | 20.00                    | 21.13 |
| 6344                                   | Warren's Reliable 16% Dairy                 | 12.26    | 16.00                    | 19.25 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|--------------------------|-------------|--------------------------|-------------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 5.78 | 18.00 | 15.23 | |
| 2.00 | 3.19 | 20.00 | 16.46 | |
| 0.50 | 3.24 | 20.00 | 13.86 | |
| 0.50 | 1.71 | 9.00 | 4.83 | |
| 0.50 | 2.55 | 37.00 | 35.03 | |
| - - | - - | 22.50 | 18.10 | |
| 3.00 | 3.03 | 4.00 | 3.33 | |
| 3.00 | 3.73 | 4.00 | 3.03 | |
| 3.00 | 3.24 | 3.50 | 1.57 | |
| 4.50 | <u>3.96</u> | 4.00 | 3.20 | |
| 4.50 | <u>4.01</u> | 4.00 | 4.01 | |
| 4.50 | 6.88 | 4.00 | 3.21 | Arsanilic acid: Guar., 0.01%;
found, 0.0090%. Nicarbazin:
Guar., 0.0125%; found, 0.0104%. |
| 3.00 | 4.19 | 9.00 | 6.28 | |
| 3.00 | 3.63 | 6.00 | 5.10 | |
| 3.50 | 4.12 | 9.00 | 6.55 | |
| 3.00 | 3.33 | 9.00 | 6.09 | |
| 3.50 | 3.64 | 9.00 | 6.70 | |
| 3.00 | 3.71 | 12.00 | 9.73 | |
| 3.00 | 3.46 | 10.00 | 8.40 | |
| 3.00 | 3.48 | 10.00 | 8.95 | |
| 3.00 | 4.32 | 6.00 | 3.05 | |
| 4.50 | <u>4.14</u> | 5.00 | 5.03 | |
| 3.00 | 3.90 | 7.00 | 7.00 | |
| 3.00 | 4.23 | 7.00 | <u>8.60</u> | |
| 3.00 | 3.20 | 11.00 | 8.93 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|---|--------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| THE PARK & POLLARD CO., INC., Buffalo, N. Y. | | | | |
| 5942 | Hi-Prime Complete Turkey Finisher | 11.65 | 14.00 | 14.38 |
| 7387 | Hi-Prime Complete Turkey Finisher | 11.57 | 14.00 | 16.50 |
| 6404 | Hi-Prime Complete Turkey Grower | 9.66 | 20.00 | 21.50 |
| 6405 | Hi-Prime Turkey Fitting Ration | 11.36 | 11.00 | 11.63 |
| 5943 | Lay or Bust Complete Grower & Layer | 12.71 | 15.00 | 15.63 |
| 7388 | Lay or Bust Growing & Laying Mash | 11.09 | 20.00 | 20.25 |
| 6879 | Milk-Maid Calf-Starter | 6.66 | 19.00 | 21.25 |
| 4722 | Milk-Maid 16% Dairy Ration | 9.11 | 16.00 | 17.56 |
| 6880 | Milk-Maid 20% Dairy Ration | 8.30 | 20.00 | 21.00 |
| 6877 | Milk-Maid Dri-Fresh Ration | 9.50 | 13.00 | 15.25 |
| 4721 | Milk-Maid Fitting Ration | 10.16 | 14.00 | 16.44 |
| 6403 | Milk-Maid 14% Test Ration | 10.26 | 14.00 | 15.13 |
| 6210 | Milk-Maid 18% Test Ration | 11.29 | 18.00 | 20.63 |
| 6212 | Park & Pollard 16% Dairy | 10.90 | 16.00 | 19.50 |
| 6878 | Park & Pollard Go-Tu-It Pig Grower | 10.80 | 16.00 | 17.38 |
| 5949 | Park & Pollard Hi-Speed Horse Feed | 12.52 | 12.00 | 12.63 |
| 5950 | Park & Pollard Rabbit Pellets | 9.66 | 17.00 | 19.88 |
| 4720 | Super Lay or Bust Egg Mash | 10.73 | 21.00 | 21.31 |
| 6209 | Super Lay or Bust Growing Feed | 11.46 | 20.00 | 23.13 |
| PARRISH & HEIMBECKER, LTD., Toronto, Canada | | | | |
| 6144 | "Parrheim" Pure Wheat Shorts | 11.87 | 14.00 | 16.75 |
| PASCO PACKING CO., Dade City, Fla. | | | | |
| 5945 | O-Mi-O Citrus Pulp | 10.13 | 6.00 | 6.50 |
| 6622 | Sugar Sweet Citrus Pulp | 10.01 | 6.00 | 6.75 |
| PENICK & FORD LTD., INC., Cedar Rapids, Iowa | | | | |
| 6924 | 21% Protein Douglas Corn Gluten Feed | 11.26 | 21.00 | 22.38 |
| 6249 | Douglas Corn Gluten Meal | 8.12 | 41.00 | 45.88 |
| PERRYSBURG ALFALFA MILLS INC., Perrysburg, Ohio | | | | |
| 6490 | 17% Dehydrated Alfalfa Meal | 8.15 | 17.00 | 17.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant |
|-------------------------------------|-------|-------------------------------------|-------|----------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |          |
| 3.50                                | 4.45  | 4.50                                | 4.87  |          |
| 3.00                                | 3.92  | 4.50                                | 4.15  |          |
| 3.50                                | 4.92  | 4.00                                | 3.00  |          |
| 3.50                                | 3.29  | 4.00                                | 3.45  |          |
| 3.00                                | 3.26  | 5.50                                | 5.35  |          |
| 4.00                                | 3.43  | 6.00                                | 3.98  |          |
| 3.00                                | 3.17  | 8.00                                | 4.51  |          |
| 4.00                                | 4.85  | 9.00                                | 8.45  |          |
| 4.00                                | 4.74  | 9.00                                | 7.32  |          |
| 4.00                                | 4.57  | 10.00                               | 7.41  |          |
| 3.00                                | 3.88  | 9.00                                | 8.53  |          |
| 5.00                                | 4.95  | 9.00                                | 7.55  |          |
| 5.00                                | 5.31  | 9.00                                | 7.08  |          |
| 4.00                                | 4.75  | 10.00                               | 7.70  |          |
| 3.00                                | 4.36  | 6.00                                | 4.66  |          |
| 3.00                                | 2.66  | 9.00                                | 6.82  |          |
| 3.00                                | 3.25  | 12.00                               | 12.47 |          |
| 3.00                                | 3.00  | 4.50                                | 4.23  |          |
| 4.00                                | 4.54  | 4.50                                | 4.33  |          |
| 3.50                                | 4.41  | 8.00                                | 7.85  |          |
| 3.00                                | 4.31  | 16.00                               | 10.51 |          |
| 3.00                                | 2.90  | 13.50                               | 10.29 |          |
| 1.00                                | 2.54  | 10.00                               | 6.84  |          |
| 1.50                                | 1.92  | 6.00                                | 4.18  |          |
| 1.50                                | 2.04  | 27.00                               | 29.17 |          |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                        | Manufacturer and brand                               | Moisture | Protein<br>(N x 6.25)    |       |
|------------------------------------|------------------------------------------------------|----------|--------------------------|-------|
|                                    |                                                      |          | Guaranteed not less than | Found |
| RALSTON PURINA CO., St. Louis, Mo. |                                                      |          |                          |       |
| 7217                               | 41% Protein Solvent Extracted Cottonseed Meal        | 10.08    | 41.00                    | 41.13 |
| 6612                               | 34% Protein Expeller Process Linseed Oil Meal        | 10.94    | 34.00                    | 40.00 |
| 5971                               | Purina B & M Cow Chow D                              | 13.18    | 16.00                    | 16.00 |
| 6495                               | Purina Breeder Lay Chow E                            | 9.81     | 23.00                    | 24.50 |
| 4590                               | Purina Breeder Layena (Complete Ration) E            | 11.54    | 16.50                    | 17.19 |
| 5811                               | Purina Broiler Chow Medicated                        | 11.37    | 18.00                    | 19.38 |
| 4876                               | Purina Broiler Chow 3 NC No. 2 Medicated             | 12.62    | 18.00                    | 24.50 |
| 4877                               | Purina Broiler Chow Finisher 3 NC No. 2 Medicated    | 12.87    | 20.00                    | 19.56 |
| 7255                               | Purina Broiler Chow Finisher (E) 3 NC Medicated      | 9.81     | 20.00                    | 20.63 |
| 5783                               | Purina Broiler Chow Starter (D) 3 NC No. 2 Medicated | 13.01    | 24.00                    | 28.38 |
| 7086                               | Purina Broiler Chow Starter (E) 3 NC Medicated       | 10.61    | 23.00                    | 23.13 |
| 5784                               | Purina Broiler Chow Starter (E) 3 NC No. 2 Medicated | 12.69    | 26.00                    | 26.50 |
| 4593                               | Purina Bulky Las                                     | 8.67     | 10.00                    | 11.69 |
| 6493                               | Purina Calf Startena                                 | 9.62     | 19.00                    | 19.00 |
| 7087                               | Purina Capena 3 NC Medicated                         | 12.33    | 20.00                    | 21.63 |
| 6616                               | Purina Chick Chow (Coarse)                           | 9.92     | 9.00                     | 9.75  |
| 6001                               | Purina Chick Chow (Fine)                             | 12.30    | 10.00                    | 10.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 1.00 | 2.46 | 14.00 | 10.55 | |
| 5.00 | 2.02 | 8.00 | 8.51 | |
| 2.50 | 3.04 | 10.00 | 5.18 | |
| 4.00 | 4.88 | 5.00 | 4.51 | |
| 4.00 | 5.11 | 4.50 | 4.13 | |
| 3.00 | 4.18 | 7.00 | 4.41 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0056%. |
| 3.00 | 4.21 | 7.00 | 4.40 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0058%. Nicarbazin: Guar., 0.0125%; found, 0.0146%. |
| 4.50 | 5.39 | 3.00 | 2.75 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0052%. Nicarbazin: Guar., 0.0125%; found, 0.0144%. |
| 5.00 | 6.89 | 4.50 | 2.90 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0061%. Nicarbazin: Guar., 0.0125%; found, 0.0144%. |
| 8.00 | 9.34 | 4.00 | 3.19 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. Nicarbazin: Guar., 0.0125%; found, 0.0130%. |
| 5.00 | 7.32 | 4.50 | 3.51 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0044%. Nicarbazin: Guar., 0.0125%; found, 0.0132%. |
| 8.00 | 9.07 | 4.00 | 3.10 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. Nicarbazin: Guar., 0.0125%; found, 0.0114%. |
| 1.50 | 1.84 | 15.00 | 13.05 | |
| 3.00 | 3.33 | 8.00 | 6.36 | |
| 4.50 | 4.14 | 4.50 | 2.41 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. Nicarbazin: Guar., 0.0125%; found, 0.0124%. |
| 2.00 | 2.90 | 4.00 | 1.36 | |
| 2.00 | 2.72 | 4.00 | 1.33 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 4591 | Purina Chick Growena | 10.84 | 17.00 | 18.50 |
| 4874 | Purina Chick Growena NC Medicated | 12.96 | 17.00 | 17.31 |
| 5781 | Purina Chick Growena NC No. 2 Medicated | 12.62 | 17.00 | 18.50 |
| 7284 | Purina Complete Sow & Pig Chow | 11.50 | 16.00 | 16.63 |
| 5970 | Purina Cow Chow D 16% | 12.76 | 16.00 | 16.38 |
| 6953 | Purina Cow Chow D 20% | 10.65 | 20.00 | 21.25 |
| 4595 | Purina D&F Chow | 10.81 | 12.50 | 12.81 |
| 7285 | Purina Duck Growena | 10.81 | 18.00 | 18.50 |
| 7218 | Purina Eggena | 10.46 | 16.00 | 16.38 |
| 6171 | Purina Fitting Ration | 11.92 | 14.00 | 14.88 |
| 6213 | Purina Game Bird Growena | 10.84 | 20.00 | 21.50 |
| 6954 | Purina Goat Chow | 10.86 | 16.00 | 17.88 |
| 5999 | Purina Lay Chow E | 10.81 | 23.00 | 23.88 |
| 4592 | Purina Layena (Complete Ration) E | 11.87 | 16.50 | 18.06 |
| 7495 | Purina Medicated Chek-R-Aid | 10.42 | 20.00 | 20.00 |
| 4594 | Purina Milk Chow D 16% | 11.93 | 16.00 | 16.13 |
| 6615 | Purina Mink Breeder Chow | 9.51 | 20.00 | 24.75 |
| 6422 | Purina Mink Developer Chow | 10.07 | 20.00 | 22.75 |
| 6955 | Purina Nursing Chow | 11.77 | 25.00 | 26.25 |
| 7089 | Purina of Broiler Chow Finisher (V) 3 NC Medicated | 12.46 | 20.00 | 20.38 |
| 4670 | Purina Omolene | 12.63 | 10.00 | 10.00 |
| 6492 | Purina Pigeon Chow Checkers | 10.26 | 15.00 | 15.13 |
| 7048 | Purina Poultry Booster Chow | 10.81 | 24.00 | 25.25 |
| 5969 | Purina Pullet Developer | 12.69 | 13.00 | 13.75 |
| 4875 | Purina Pullet Developer NC Medicated | 12.69 | 13.00 | 14.25 |
| 6614 | Purina Rabbit Chow Checkers (Complete Ration) E | 12.99 | 15.00 | 16.63 |
| 7220 | Purina Range Checkers E | 10.46 | 20.00 | 21.25 |
| 6411 | Purina Roaster Chow | 10.60 | 17.00 | 17.50 |
| 7219 | Purina Special Steer Fatena 32% | 10.56 | 32.00 | 32.50 |
| 7081 | Purina Squab Broiler Chow 3 NC Medicated | 11.16 | 20.00 | 20.13 |
| 5810 | Purina Super Chick Startena Medicated | 11.96 | 23.00 | 24.88 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                      |       | Fiber                    |       | Medicant                                                                                                        |
|--------------------------|-------|--------------------------|-------|-----------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                 |
| 3.00                     | 4.33  | 7.00                     | 5.28  |                                                                                                                 |
| 3.00                     | 3.37  | 7.00                     | 4.25  | Nicarbazin: Guar., 0.01%; found, 0.0110%.                                                                       |
| 3.00                     | 3.99  | 7.00                     | 4.00  | Nicarbazin: Guar., 0.0125%; found, 0.0145%.                                                                     |
| 2.50                     | 3.16  | 6.00                     | 4.30  |                                                                                                                 |
| 2.50                     | 3.00  | 8.00                     | 4.31  |                                                                                                                 |
| 2.50                     | 3.08  | 8.00                     | 4.37  |                                                                                                                 |
| 2.50                     | 2.20  | 11.00                    | 8.53  |                                                                                                                 |
| 3.00                     | 4.21  | 5.00                     | 4.08  |                                                                                                                 |
| 3.50                     | 3.89  | 7.00                     | 5.72  |                                                                                                                 |
| 2.50                     | 3.84  | 12.00                    | 6.13  |                                                                                                                 |
| 3.00                     | 3.55  | 7.00                     | 4.98  |                                                                                                                 |
| 3.00                     | 3.31  | 9.00                     | 6.72  |                                                                                                                 |
| 3.50                     | 3.98  | 5.00                     | 4.29  |                                                                                                                 |
| 3.50                     | 5.06  | 4.50                     | 3.50  |                                                                                                                 |
| 4.50                     | 4.93  | 4.50                     | 3.06  | Furazolidone: Guar., 0.011%; found, 0.0099%. Antibiotic guaranteed, not determined.                             |
| 2.50                     | 2.90  | 10.00                    | 6.28  |                                                                                                                 |
| 3.00                     | 5.38  | 5.00                     | 3.26  |                                                                                                                 |
| 2.50                     | 4.11  | 5.00                     | 4.43  |                                                                                                                 |
| 2.50                     | 2.59  | 1.50                     | 0.92  |                                                                                                                 |
| 4.50                     | 4.93  | 4.50                     | 2.87  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.005%. Nicarbazin: Guar., 0.0125%; found, 0.0122%.  |
| 3.00                     | 4.01  | 9.00                     | 6.38  |                                                                                                                 |
| 2.50                     | 3.21  | 4.00                     | 2.96  |                                                                                                                 |
| 2.50                     | 2.89  | 6.50                     | 4.07  |                                                                                                                 |
| 2.50                     | 4.95  | 8.00                     | 5.05  |                                                                                                                 |
| 2.50                     | 4.16  | 8.00                     | 5.15  | Nicarbazin: Guar., 0.01%; found, 0.0116%.                                                                       |
| 2.00                     | 3.06  | 18.00                    | 14.64 |                                                                                                                 |
| 2.00                     | 2.69  | 10.00                    | 6.77  |                                                                                                                 |
| 4.00                     | 5.58  | 6.50                     | 3.25  |                                                                                                                 |
| 2.00                     | 2.19  | 12.00                    | 6.50  |                                                                                                                 |
| 3.50                     | 3.84  | 4.50                     | 3.35  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0043%. Nicarbazin: Guar., 0.0125%; found, 0.0136%. |
| 4.50                     | 4.94  | 4.00                     | 3.12  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0028%.                                            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                    | Manufacturer and brand                                         | Moisture | Protein<br>(N x 6.25)    |              |
|------------------------------------------------|----------------------------------------------------------------|----------|--------------------------|--------------|
|                                                |                                                                |          | Guaranteed not less than | Found        |
| 5782                                           | Purina Super Chick Startena 3 NC Medicated                     | 13.44    | 23.00                    | 24.38        |
| 6000                                           | Purina Turkey Fatena                                           | 10.80    | 15.50                    | 16.75        |
| 6408                                           | Purina Turkey Fatena                                           | 10.36    | 17.00                    | 18.13        |
| 6407                                           | Purina Turkey Finisher No. 1                                   | 10.42    | 15.00                    | 16.38        |
| 7172                                           | Purina Turkey Finisher No. 2                                   | 11.34    | 13.50                    | 14.75        |
| 6494                                           | Purina Turkey Growena No. 1                                    | 9.11     | 23.00                    | 23.00        |
| 6409                                           | Purina Turkey Growena No. 2                                    | 10.04    | 20.00                    | 20.63        |
| 6410                                           | Purina Turkey Startena                                         | 10.71    | 28.00                    | 28.00        |
| READING MILLING CO. INC., Reading, Pa.         |                                                                |          |                          |              |
| 6080                                           | Faramel All Mash Layer                                         | 12.28    | 16.00                    | 16.00        |
| 7213                                           | Faramel Rabbit Food Pellets                                    | 8.83     | 13.00                    | 14.25        |
| RELIABLE GRAIN & FUEL CO., Ansonia, Conn.      |                                                                |          |                          |              |
| 4678                                           | Reliable 16% Dairy Feed                                        | 11.87    | 16.00                    | <u>14.25</u> |
| JAMES RICHARDSON & SONS, LTD., Toronto, Canada |                                                                |          |                          |              |
| 6145                                           | Canadian Pure Bran                                             | 11.28    | 15.00                    | 15.38        |
| ROBIN HOOD FLOUR MILLS LTD., Moose Jaw, Canada |                                                                |          |                          |              |
| 6081                                           | Superior Wheat Bran                                            | 14.00    | 14.00                    | 16.75        |
| RUSSELL-MILLER MILLING CO., Minneapolis, Minn. |                                                                |          |                          |              |
| 5894                                           | Occident Wheat Bran                                            | 12.19    | 14.50                    | 17.88        |
| 4737                                           | Occident Wheat Red Dog                                         | 11.06    | 16.50                    | 16.50        |
| 4600                                           | Occident Wheat Standard Middlings with Ground Wheat Screenings | 11.79    | 15.00                    | 18.00        |
| WOLF SAVITSKY & SONS, INC., Shelton, Conn.     |                                                                |          |                          |              |
| 6084                                           | Wolf's Calf Ration                                             | 12.77    | 18.00                    | 18.38        |
| 5809                                           | Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated              | 12.01    | 16.00                    | 17.50        |
| 6085                                           | Wolf's Egg Mash                                                | 12.90    | 20.00                    | 20.63        |
| 4871                                           | Wolf's Hi-Speed Starter & Broiler Ration Medicated             | 12.71    | 20.50                    | 21.63        |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaranteed not less than | Fat
Found | Fiber | | Medicant |
|--------------------------|--------------|--------------------------|-------|--|
| | | Guaranteed not more than | Found | |
| 4.50 | 5.28 | 4.00 | 3.33 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0026%. Nicarbazin: Guar., 0.01%; found, 0.0116%. |
| 4.50 | 5.53 | 5.00 | 3.26 | |
| 3.50 | 5.06 | 5.50 | 3.83 | |
| 4.00 | 5.14 | 4.50 | 3.00 | |
| 4.00 | 5.42 | 4.00 | 3.05 | |
| 3.50 | 4.23 | 6.00 | 4.50 | |
| 3.50 | 3.93 | 5.50 | 4.50 | |
| 3.00 | 3.48 | 5.50 | 4.25 | |
| 3.50 | 4.19 | 4.50 | 5.01 | |
| 3.00 | 3.64 | 15.00 | 15.35 | |
| 3.50 | <u>2.45</u> | 9.00 | 7.30 | |
| 3.50 | 4.57 | 11.50 | 8.00 | |
| 3.50 | 4.81 | 11.50 | 10.16 | |
| 4.00 | 4.29 | 11.00 | 10.68 | |
| 3.50 | 4.46 | 4.00 | 3.83 | |
| 4.00 | 5.57 | 9.50 | 7.58 | |
| 3.00 | 3.40 | 9.00 | 7.66 | |
| 3.00 | 3.41 | 4.00 | 3.77 | Arsanilic acid: Guar., 0.0090%; found, 0.0107%. |
| 3.00 | 3.23 | 5.00 | 4.52 | |
| 3.00 | 3.46 | 4.00 | 3.88 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0190%. Arsanilic acid: Guar., 0.0090%; found, 0.0105%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|---|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 6922 | Wolf's Horse Feed | 11.17 | 12.00 | 14.25 |
| 7449 | Wolf's Horse Feed | 12.66 | 12.00 | 14.13 |
| 6276 | Wolf's Perfor Mo-Las | 10.59 | 10.00 | 13.38 |
| 7450 | Wolf's Pig & Hog Feed | 11.49 | 16.00 | 17.00 |
| 6294 | Wolf's Sweetened 14% Dairy Ration | 11.63 | 14.00 | 15.00 |
| 6086 | Wolf's Sweetened 16% Dairy Ration | 12.06 | 16.00 | 16.50 |
| 7451 | Wolf's Sweetened 20% Dairy Ration | 11.18 | 20.00 | 20.00 |
| SCHENLEY DISTILLERS, INC., New York, N. Y. | | | | |
| 4740 | Schenley Mark of Merit Corn Distillers Dried Grains with Solubles | 9.74 | 24.00 | 25.94 |
| 7166 | Schenley Soludri Corn Distillers Solubles Dried | 10.00 | 22.00 | 24.75 |
| SCHOENECK FARMS, INC., Nazareth, Pa. | | | | |
| 7378 | Schoeneck 17% Super-Green Dehydrated Alfalfa Meal | 8.16 | 17.00 | 17.00 |
| 7293 | Schoeneck Super-Green Dehydrated Alfalfa Meal | 9.46 | 20.00 | 20.63 |
| JOSEPH E. SEAGRAM & SONS, INC., New York, N. Y. | | | | |
| 5948 | Seagram's Corn Distillers Dried Grains | 9.89 | 26.00 | 27.00 |
| 7467 | Seagram's Distillers Dried Solubles | 8.71 | 25.00 | 26.50 |
| SEYMOUR GRAIN & COAL CO., Seymour, Conn. | | | | |
| 6909 | Miracle All-In-One Hog Ration | 10.11 | 15.00 | 18.63 |
| 6914 | Miracle 14% Calf Grower | 10.51 | 14.00 | 14.88 |
| 4677 | Miracle Dairy 16% | 11.72 | 16.00 | 15.75 |
| 4718 | Miracle Fitting Ration | 10.57 | 14.00 | 14.88 |
| 6912 | Miracle Hi-Efficiency Grower | 10.40 | 16.00 | 18.75 |
| 6908 | Miracle Hi-Energy All-Mash Layer | 10.04 | 16.50 | 17.88 |
| 4717 | Miracle 20% Laying Mash | 10.80 | 20.00 | 20.94 |
| 6916 | Miracle 20% Turkey Grower | 9.17 | 20.00 | 21.38 |
| 6913 | See-More Milk Dairy Ration 18% | 9.94 | 18.00 | 19.25 |
| 6898 | See-More Milk Dairy Ration 20% | 11.81 | 20.00 | 20.00 |

~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Guaranteed not less than | Fat Found | Fiber                    |       | Medicant |
|--------------------------|-----------|--------------------------|-------|----------|
|                          |           | Guaranteed not more than | Found |          |
| 2.75                     | 2.91      | 10.00                    | 8.11  |          |
| 2.75                     | 2.87      | 10.00                    | 7.54  |          |
| 2.00                     | 3.46      | 16.00                    | 11.60 |          |
| 3.00                     | 3.04      | 5.00                     | 5.00  |          |
| 3.00                     | 3.92      | 9.00                     | 6.60  |          |
| 3.00                     | 3.81      | 10.00                    | 7.07  |          |
| 3.00                     | 3.59      | 9.00                     | 6.93  |          |
| 5.00                     | 6.69      | 13.00                    | 6.78  |          |
| 3.00                     | 3.91      | 4.00                     | 3.35  |          |
| 2.00                     | 2.31      | 27.00                    | 24.17 |          |
| 2.00                     | 3.28      | 27.00                    | 20.05 |          |
| 8.00                     | 8.44      | 11.00                    | 7.41  |          |
| 5.00                     | 8.59      | 5.00                     | 3.28  |          |
| 3.00                     | 3.62      | 7.00                     | 4.16  |          |
| 3.00                     | 2.91      | 8.00                     | 5.85  |          |
| 3.00                     | 4.01      | 9.00                     | 6.75  |          |
| 3.00                     | 4.00      | 8.00                     | 6.70  |          |
| 3.00                     | 3.78      | 5.50                     | 3.94  |          |
| 4.25                     | 4.22      | 4.75                     | 2.99  |          |
| 3.00                     | 3.49      | 6.50                     | 4.20  |          |
| 3.00                     | 4.00      | 7.50                     | 4.24  |          |
| 3.00                     | 3.11      | 9.50                     | 6.61  |          |
| 3.00                     | 2.69      | 9.50                     | 5.96  |          |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                     | Manufacturer and brand                                                      | Moisture | Protein<br>(N x 6.25) |       |
|-------------------------------------------------|-----------------------------------------------------------------------------|----------|-----------------------|-------|
|                                                 |                                                                             |          | Guaranteed less than  | Found |
| THE W. J. SMALL CO., DIV., Kansas City, Mo.     |                                                                             |          |                       |       |
| 6397                                            | 17% Dehydrated Alfalfa Meal                                                 | 9.72     | 17.00                 | 19.13 |
| SOUTHERN COTTON OIL DIV., Goldsboro, N. C.      |                                                                             |          |                       |       |
| 7448                                            | Sco-Co Brand 41% Protein Cottonseed Meal Prime Quality                      | 11.22    | 41.00                 | 41.63 |
| SOUTHERN FRUIT DISTRIBUTORS INC., Orlando, Fla. |                                                                             |          |                       |       |
| 4716                                            | Bluebird Citrus Pulp                                                        | 7.82     | 6.00                  | 7.88  |
| SOUTH WINDSOR GRAIN CO., South Windsor, Conn.   |                                                                             |          |                       |       |
| 6939                                            | Valley Laying Mash                                                          | 9.36     | 20.00                 | 21.25 |
| A. E. STALEY MFG. CO., Decatur, Ill.            |                                                                             |          |                       |       |
| 5940                                            | Staley's 21% Corn Gluten Feed                                               | 11.06    | 21.00                 | 21.75 |
| 6308                                            | Staley's Hi-Pro-Con 50% Protein Dehulled Solvent Extracted Soybean Oil Meal | 10.43    | 50.00                 | 52.13 |
| 6298                                            | Staley's 44% Protein Solvent Extracted Soybean Oil Meal                     | 11.46    | 44.00                 | 47.50 |
| D. A. STICKELL & SONS, INC., Hagerstown, Md.    |                                                                             |          |                       |       |
| 5930                                            | Stickell's Horse Feed                                                       | 12.83    | 10.00                 | 10.50 |
| 6399                                            | Stickell's Su-Pur Rabbit Pellets                                            | 9.51     | 17.00                 | 19.38 |
| F. W. STOCK & SONS, INC., Hillsdale, Mich.      |                                                                             |          |                       |       |
| 6442                                            | Stock's Wheat Bran                                                          | 11.88    | 13.00                 | 14.75 |
| SUNI CITRUS PRODUCTS CO., Haines City, Fla.     |                                                                             |          |                       |       |
| 7475                                            | Suni-Citrolas                                                               | 9.66     | 6.25                  | 7.13  |
| 6445                                            | Sweet Suni-Citrus Pulp                                                      | 9.44     | 6.00                  | 7.13  |
| SUNNY SLOPE FARMS, INC., Nazareth, Pa.          |                                                                             |          |                       |       |
| 7362                                            | Sunny Slope Farms Dehydrated Alfalfa Meal                                   | 7.57     | 17.00                 | 18.50 |
| SWIFT & CO., Chicago, Ill.                      |                                                                             |          |                       |       |
| 6253                                            | Swift's 50% Dehulled Solvent Extracted Soybean Oil Meal                     | 9.37     | 50.00                 | 51.38 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|--------------------------|-------|--------------------------|-------|----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 1.50 | 4.34 | 27.00 | 25.00 | |
| 4.00 | 5.03 | 13.00 | 11.50 | |
| 3.50 | 7.36 | 17.00 | 12.95 | |
| 4.00 | 4.09 | 8.50 | 3.70 | |
| 1.50 | 3.09 | 8.00 | 6.21 | |
| 0.50 | 0.93 | 3.00 | 2.50 | |
| 0.50 | 1.50 | 7.00 | 5.85 | |
| 3.00 | 3.01 | 9.00 | 4.79 | |
| 2.50 | 4.23 | 12.00 | 11.25 | |
| 2.75 | 3.26 | 12.00 | 8.34 | |
| 2.50 | 2.73 | 15.75 | 13.14 | |
| 3.50 | 6.45 | 15.00 | 12.66 | |
| 2.00 | 3.34 | 27.00 | 22.41 | |
| 0.50 | 1.31 | 3.00 | 2.70 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|--|---|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill. | | | | |
| 6911 | Ultra-Lifed Calf-Food Pellets | 9.61 | 21.00 | 23.88 |
| 6910 | Ultra-Life High Energy Poultry | 9.66 | 19.50 | 23.50 |
| 6083 | Ultra-Life Livestock | 8.71 | 23.00 | 27.63 |
| UNITED CO-OPERATIVE FARMERS, INC.,
Fitchburg, Mass. | | | | |
| 7161 | UCF Calf Meal | 8.57 | 25.00 | 28.25 |
| 7060 | UCF Calf Starter | 12.11 | 20.00 | 20.00 |
| 7057 | UCF 16% Dairy | 12.91 | 16.00 | 17.25 |
| 7058 | UCF 18% Dairy | 12.25 | 18.00 | 19.13 |
| 7059 | UCF 20% Dairy | 12.48 | 20.00 | 20.75 |
| 5908 | UCF Fitting Ration | 12.71 | 14.00 | 14.88 |
| 7257 | UCF Grower Medicated | 11.03 | 20.00 | 21.25 |
| 7258 | UCF Hi-NRG All Mash Breeder
Medicated | 10.75 | 16.00 | 17.38 |
| 7267 | UCF Hi-NRG All Mash Breeder
Medicated | 11.38 | 16.00 | 17.50 |
| 7256 | UCF Hi-NRG All Mash Grower &
Layer Medicated | 10.60 | 16.50 | 17.00 |
| 7063 | UCF Horse Feed | 13.10 | 9.00 | 10.50 |
| 5804 | UCF Layer Medicated | 10.58 | 20.00 | 20.00 |
| 7335 | UCF Medicated Booster 200 | 10.31 | 17.00 | 18.13 |
| 5984 | UCF Medicated Booster NF | 12.86 | 17.00 | 16.75 |
| 7061 | UCF Pig & Hog Feed | 11.87 | 20.00 | 21.25 |
| 5907 | UCF Poultry Fitting Ration | 11.91 | 12.00 | 14.13 |
| 7055 | UCF Succulent Dairy | 11.00 | 9.00 | 10.38 |
| 5906 | UCF Super Starter | 11.65 | 20.00 | 20.63 |
| 7035 | UCF Super Starter Medicated | 11.77 | 20.00 | 21.75 |
| UNITY FEEDS INC., Boston, Mass. | | | | |
| 4744 | Unity Complete Rabbit Pellets | 10.94 | 16.00 | 17.44 |
| 7193 | Unity Dairy & Fitting Ration | 12.50 | 14.00 | 14.25 |
| 7192 | Unity 16% Dairy Ration | 12.46 | 16.00 | 17.63 |
| 6064 | Unity Growing & Laying Mash | 12.63 | 20.00 | 20.63 |
| 6063 | Unity High Energy Growing &
Laying Mash | 12.63 | 15.00 | 15.75 |
| 4745 | Unity Improved Calf Ration | 15.76 | 20.00 | 17.29 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant                                             |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                      |
| 2.50                                | 2.69  | 7.00                                | 6.19  |                                                      |
| 5.00                                | 8.21  | 5.50                                | 4.11  |                                                      |
| 1.50                                | 1.71  | 4.50                                | 3.78  |                                                      |
| 1.00                                | 6.49  | 2.00                                | 1.45  |                                                      |
| 3.00                                | 3.04  | 6.00                                | 4.66  |                                                      |
| 3.50                                | 3.74  | 9.00                                | 6.76  |                                                      |
| 3.50                                | 3.24  | 9.00                                | 7.01  |                                                      |
| 3.00                                | 3.47  | 9.00                                | 6.67  |                                                      |
| 3.50                                | 3.86  | 9.00                                | 6.96  |                                                      |
| 4.00                                | 4.03  | 5.00                                | 5.17  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0092%.   |
| 4.00                                | 4.71  | 4.50                                | 4.10  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0100%.   |
| 4.00                                | 5.22  | 4.50                                | 3.39  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0122%.   |
| 5.00                                | 5.01  | 4.50                                | 3.80  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0108%.   |
| 3.00                                | 3.04  | 9.00                                | 4.24  |                                                      |
| 5.00                                | 6.86  | 5.00                                | 4.23  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0118%.   |
| 5.00                                | 4.59  | 4.50                                | 4.24  | Antibiotic guaranteed; not<br>determined.            |
| 5.00                                | 5.53  | 4.50                                | 3.54  | Furazolidone: Guar., 0.0110%;<br>found, 0.0111%.     |
| 3.00                                | 3.58  | 7.00                                | 6.17  |                                                      |
| 2.50                                | 3.27  | 7.00                                | 5.64  |                                                      |
| 2.00                                | 2.94  | 17.00                               | 13.51 |                                                      |
| 4.50                                | 5.46  | 4.00                                | 3.66  |                                                      |
| 4.50                                | 4.74  | 4.00                                | 3.27  | Sulfaquinoxaline: Guar., 0.0150%;<br>found, 0.0174%. |
| 3.00                                | 4.15  | 20.00                               | 9.28  |                                                      |
| 3.50                                | 3.89  | 9.00                                | 6.25  |                                                      |
| 3.50                                | 3.54  | 9.00                                | 7.67  |                                                      |
| 3.00                                | 3.88  | 6.00                                | 4.21  |                                                      |
| 4.00                                | 4.46  | 4.00                                | 3.50  |                                                      |
| 3.50                                | 3.97  | 6.00                                | 5.96  |                                                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                               | Manufacturer and brand                          | Moisture | Protein<br>(N x 6.25)    |       |
|-----------------------------------------------------------|-------------------------------------------------|----------|--------------------------|-------|
|                                                           |                                                 |          | Guaranteed not less than | Found |
| 6174                                                      | Unity Pig & Hog Ration                          | 12.16    | 17.00                    | 19.88 |
| 6172                                                      | Unity Scratch Feed                              | 13.41    | 9.00                     | 10.50 |
| 5992                                                      | Unity Super Starter Medicated                   | 11.71    | 20.00                    | 20.38 |
| 5813                                                      | Unity Trim Medicated                            | 11.41    | 15.50                    | 16.75 |
| GEORGE URBAN MILLING CO., Buffalo, N. Y.                  |                                                 |          |                          |       |
| 6211                                                      | Wheat Standard Middlings with Ground Screenings | 11.98    | 15.00                    | 17.75 |
| 6401                                                      | Wheat Standard Middlings with Ground Screenings | 11.18    | 15.00                    | 18.13 |
| THE WATERTOWN CO-OPERATIVE ASS'N., INC., Watertown, Conn. |                                                 |          |                          |       |
| 7053                                                      | Watertown Co-op 16% Dairy Feed                  | 12.36    | 16.00                    | 17.88 |
| H. K. WEBSTER CO., Lawrence, Mass.                        |                                                 |          |                          |       |
| 7171                                                      | Blue Seal All-Mash Breeder's Ration             | 11.96    | 16.00                    | 16.88 |
| 6330                                                      | Blue Seal All-Mash Egg Ration                   | 12.46    | 16.00                    | 17.13 |
| 5919                                                      | Blue Seal All-Mash Grow & Lay                   | 12.04    | 16.00                    | 17.13 |
| 7034                                                      | Blue Seal All-Mash Grow & Lay Medicated         | 12.31    | 16.00                    | 16.88 |
| 6934                                                      | Blue Seal All-Mash Growing Ration               | 10.66    | 16.00                    | 16.50 |
| 6469                                                      | Blue Seal Calf Starter                          | 11.96    | 19.00                    | 19.38 |
| 6466                                                      | Blue Seal Chick Feed                            | 12.14    | 10.00                    | 10.63 |
| 7029                                                      | Blue Seal Chick Starter Medicated               | 12.01    | 20.00                    | 22.38 |
| 6458                                                      | Blue Seal Coarse 16 Dairy Ration                | 10.46    | 16.00                    | 17.63 |
| 6871                                                      | Blue Seal Coarse 20 Dairy Ration                | 9.69     | 20.00                    | 21.50 |
| 5920                                                      | Blue Seal Egg Mash                              | 11.10    | 20.00                    | 21.13 |
| 6946                                                      | Blue Seal Fat & Finish Ration                   | 10.00    | 18.00                    | 20.25 |
| 6061                                                      | Blue Seal Fitting Ration                        | 11.93    | 14.00                    | 17.63 |
| 6935                                                      | Blue Seal Flaked 15                             | 11.76    | 15.00                    | 16.50 |
| 7211                                                      | Blue Seal Flaked 15                             | 12.36    | 15.00                    | 15.63 |
| 7296                                                      | Blue Seal Goat Feed                             | 11.65    | 16.00                    | 16.63 |
| 6460                                                      | Blue Seal Growing Mash                          | 11.87    | 18.00                    | 18.00 |
| 6324                                                      | Blue Seal Horse Feed                            | 11.59    | 10.00                    | 13.88 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 4.45 | 6.00 | 3.98 | Nitrophenide: Guar., 0.018%; found, 0.0168%.
3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0056%. |
| 2.50 | 3.96 | 5.00 | 3.50 | |
| 3.00 | 5.29 | 4.00 | 3.26 | |
| 3.00 | 4.68 | 6.00 | 4.21 | |
| 3.50 | 4.49 | 9.50 | 6.38 | |
| 3.50 | 4.15 | 9.50 | 6.65 | |
| 4.00 | 4.25 | 9.00 | 6.79 | |
| 3.50 | 3.84 | 3.50 | 2.50 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0175%. |
| 3.00 | 3.92 | 3.50 | 3.28 | |
| 3.00 | 3.76 | 4.50 | 3.79 | |
| 3.00 | 3.77 | 4.50 | 3.66 | |
| 3.00 | 3.62 | 3.50 | 2.79 | Arsanilic acid: Guar., 0.01%; found, 0.0091%. Sulfaquinoxaline: Guar., 0.0175%; found, 0.0210%. |
| 3.00 | 3.13 | 8.00 | 5.79 | |
| 2.50 | 3.34 | 4.00 | 1.71 | |
| 3.50 | 3.87 | 4.50 | 3.04 | |
| 3.50 | 4.22 | 9.00 | 7.31 | |
| 3.50 | 3.64 | 9.00 | 6.98 | |
| 3.50 | 4.04 | 6.00 | 3.91 | |
| 4.50 | 4.79 | 3.50 | 2.76 | |
| 3.50 | 4.15 | 9.00 | 8.14 | |
| 3.00 | 3.47 | 9.00 | 5.91 | |
| 3.00 | 3.07 | 9.00 | 6.32 | |
| 3.50 | 4.51 | 9.00 | 6.74 | |
| 3.50 | 3.76 | 6.00 | 3.15 | |
| 3.00 | 3.94 | 9.00 | 5.18 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|------------------------------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 7085 | Blue Seal Medicated Chick Booster | 12.09 | 20.00 | 22.00 |
| 5985 | Blue Seal Medicated Poultry Zest | 12.39 | 20.00 | 21.63 |
| 5714 | Blue Seal Nicarbazine Mixture Incorp. in Advance Broiler | 12.00 | 22.00 | 22.00 |
| 6949 | Blue Seal Pig Feed | 10.31 | 15.00 | 15.88 |
| 6459 | Blue Seal Rabbit Pellets | 9.77 | 20.00 | 21.38 |
| 6326 | Blue Seal Standard 16 Dairy Ration | 11.53 | 16.00 | 17.38 |
| 6872 | Blue Seal Standard 20 Dairy Ration | 9.69 | 20.00 | 21.00 |
| 6325 | Blue Seal Standard 14 Fitting Ration | 11.41 | 14.00 | 16.50 |
| 7212 | Blue Seal Succulent Feed & Calving Ration | 11.76 | 12.00 | 12.00 |
| 7331 | Blue Seal Super Breeder's Mash | 11.91 | 20.00 | 20.25 |
| 7299 | Blue Seal Test Ration | 12.36 | 18.00 | 19.00 |
| 6468 | Blue Seal Turkey Growing | 10.78 | 20.00 | 20.63 |
| WEST-NESBITT, INC., Oneonta, N. Y. | | | | |
| 6139 | All Pure Milk Ration | 11.71 | 20.00 | 20.88 |
| 6370 | Cream-Line Dairy-Test Ration | 9.75 | 18.00 | 20.63 |
| 5807 | Pure Feed Broiler Finisher Medicated | 12.41 | 19.50 | 23.63 |
| 6368 | Pure Feed Chick Grains | 12.39 | 9.00 | 10.75 |
| 6372 | Pure Feed Complete Grower | 11.22 | 16.00 | 20.63 |
| 4667 | Pure Feed Complete Layer-Breeder | 11.38 | 17.00 | 18.13 |
| 4671 | Pure Feed Complete Rabbit Pellets | 10.46 | 16.00 | 18.13 |
| 6058 | Pure Feed Dairy Test Ration | 12.21 | 18.00 | 19.25 |
| 6140 | Pure Feed Egg & Breeder | 11.41 | 22.00 | 24.88 |
| 4668 | Pure Feed Egg Maker | 10.90 | 22.00 | 24.00 |
| 6062 | Pure Feed 14% Fitting Ration | 13.37 | 14.00 | 14.75 |
| 6371 | Pure Feed Grower | 10.91 | 18.00 | 18.00 |
| 4669 | Pure Feed Horse Ration | 10.56 | 9.00 | 10.75 |
| 6138 | Pure Feed Starter | 11.07 | 20.00 | 21.50 |
| 6059 | Pure Feed Swine Ration | 12.27 | 16.00 | 16.25 |
| 6373 | Pure Feed Turkey Finisher | 9.11 | 16.00 | 20.63 |
| 6369 | Pure Feed Turkey Grower | 9.86 | 20.00 | 23.75 |
| A. C. WETHERELL, Suffield, Conn. | | | | |
| 7359 | Dewhurst 16% Dairy Ration | 12.17 | 16.00 | 16.63 |
| 7360 | Special Dairy Mixture No. 3 | 13.01 | 16.00 | 16.88 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                      |             | Fiber                    |       | Medicant                                                                                          |
|--------------------------|-------------|--------------------------|-------|---------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                   |
| 4.00                     | <u>3.14</u> | 4.00                     | 3.04  | Nicarbazin: Guar., 0.0125%; found, 0.0128%. Furazolidone: Guar., 0.011%; found, 0.0107%.          |
| 4.00                     | 4.55        | 4.00                     | 2.46  | Furazolidone: Guar., 0.011%; found, 0.0110%. Nicarbazine: Guar., 0.0125%; found, <u>0.0092%</u> . |
| 5.00                     | 5.38        | 3.50                     | 2.96  |                                                                                                   |
| 4.00                     | 4.69        | 6.00                     | 4.38  |                                                                                                   |
| 3.00                     | 4.14        | 12.00                    | 8.52  |                                                                                                   |
| 3.50                     | 5.08        | 9.00                     | 7.55  |                                                                                                   |
| 3.50                     | 3.84        | 9.00                     | 7.41  |                                                                                                   |
| 3.50                     | 4.08        | 9.00                     | 7.05  |                                                                                                   |
| 2.00                     | 2.04        | 16.00                    | 12.15 |                                                                                                   |
| 4.00                     | 3.89        | 3.50                     | 1.07  |                                                                                                   |
| 3.50                     | 3.44        | 9.00                     | 7.47  |                                                                                                   |
| 4.50                     | <u>3.83</u> | 4.00                     | 2.97  |                                                                                                   |
| 3.50                     | 3.66        | 10.00                    | 7.50  |                                                                                                   |
| 3.50                     | 3.85        | 8.50                     | 6.55  |                                                                                                   |
| 3.50                     | 4.14        | 4.00                     | 3.06  | Arsanilic acid: Guar., 0.0095%; found, 0.0107%.                                                   |
| 2.50                     | 2.51        | 3.00                     | 1.03  |                                                                                                   |
| 3.50                     | 4.13        | 4.50                     | 3.13  |                                                                                                   |
| 3.00                     | 4.09        | 4.50                     | 3.80  |                                                                                                   |
| 3.00                     | 4.35        | 15.00                    | 9.28  |                                                                                                   |
| 3.50                     | 3.38        | 8.50                     | 6.67  |                                                                                                   |
| 3.00                     | 4.59        | 5.00                     | 4.20  |                                                                                                   |
| 3.00                     | 4.50        | 5.50                     | 5.50  |                                                                                                   |
| 3.50                     | 3.31        | 8.50                     | 6.71  |                                                                                                   |
| 3.00                     | 4.50        | 5.00                     | 3.78  |                                                                                                   |
| 3.00                     | 3.84        | 11.00                    | 6.00  |                                                                                                   |
| 3.00                     | 4.69        | 5.00                     | 3.40  |                                                                                                   |
| 3.50                     | 4.52        | 8.00                     | 5.72  |                                                                                                   |
| 3.00                     | 4.11        | 6.00                     | 4.20  |                                                                                                   |
| 3.00                     | 4.43        | 5.00                     | 3.58  |                                                                                                   |
| 3.50                     | 3.63        | 10.00                    | 7.63  |                                                                                                   |
| 3.50                     | 3.78        | 9.00                     | 7.15  |                                                                                                   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                        | Manufacturer and brand                             | Moist-<br>ure | Protein<br>(N x 6.25)               |       |
|--------------------------------------------------------------------|----------------------------------------------------|---------------|-------------------------------------|-------|
|                                                                    |                                                    |               | Guaran-<br>teed not<br>less<br>than | Found |
| WHITMOYER LABORATORIES, INC., Myerstown, Pa.                       |                                                    |               |                                     |       |
| 6147                                                               | Flav-A-Dee                                         | 10.03         | 26.00                               | 32.88 |
| 6148                                                               | Gro-Tein                                           | 8.55          | 42.00                               | 51.00 |
| WILKINS-ROGERS MILLING CO., INC., Washington, D. C.                |                                                    |               |                                     |       |
| 6937                                                               | Washington Laying Mash                             | 9.16          | 20.00                               | 21.50 |
| WINTER GARDEN CITRUS PRODUCTS CO-OPERATIVE,<br>Winter Garden, Fla. |                                                    |               |                                     |       |
| 7056                                                               | Wholesun Dried Citrus Pulp                         | 9.76          | 6.00                                | 6.50  |
| WIRTHMORE FEEDS, INC., Waltham, Mass.                              |                                                    |               |                                     |       |
| 6951                                                               | Big W 16% Dairy Feed                               | 10.79         | 16.00                               | 19.88 |
| 5968                                                               | Big W 20% Dairy Feed                               | 12.72         | 20.00                               | 22.50 |
| 7052                                                               | Wirthmore 16% All Pelleted Dairy                   | 10.67         | 16.00                               | 20.00 |
| 7199                                                               | Wirthmore Baby Chick Scratch                       | 13.09         | 9.50                                | 10.25 |
| 5904                                                               | Wirthmore Breeder Mash                             | 11.74         | 20.00                               | 22.63 |
| 5715                                                               | Wirthmore Broiler Starter 407<br>Medicated         | 12.88         | 25.00                               | 25.00 |
| 4673                                                               | Wirthmore Calving Feed                             | 10.93         | 14.00                               | 15.19 |
| 7205                                                               | Wirthmore Chick Starter                            | 10.59         | 20.00                               | 20.00 |
| 4866                                                               | Wirthmore Chick Starter 400<br>Medicated           | 13.52         | 20.00                               | 21.44 |
| 7051                                                               | Wirthmore Coarse Test Dairy Feed                   | 12.71         | 16.00                               | 15.25 |
| 4872                                                               | Wirthmore Coccidiosis Treatment<br>Ration 411      | 12.47         | 22.00                               | 22.50 |
| 4633                                                               | Wirthmore Complete Egg Ration                      | 10.96         | 16.00                               | 16.63 |
| 5923                                                               | Wirthmore Complete Growing<br>Ration               | 11.00         | 13.50                               | 15.88 |
| 7031                                                               | Wirthmore Complete Growing<br>Ration 409 Medicated | 11.91         | 13.50                               | 16.38 |
| 6423                                                               | Wirthmore Complete Turkey<br>Fattening Ration      | 10.16         | 16.00                               | 19.50 |
| 7287                                                               | Wirthmore Complete Turkey<br>Growing Ration        | 12.76         | 18.00                               | 18.25 |
| 5921                                                               | Wirthmore 16 Dairy Feed                            | 11.36         | 16.00                               | 17.50 |
| 6874                                                               | Wirthmore 20 Dairy Feed                            | 8.37          | 20.00                               | 22.13 |
| 5922                                                               | Wirthmore 14 Dairy Fitting Feed                    | 12.22         | 14.00                               | 22.63 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat | | Fiber | | Medicant |
|-------------------------------------|-------------|-------------------------------------|-------------|---|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 12.00 | 12.23 | 8.00 | 5.65 | |
| 6.00 | 8.24 | 5.00 | 1.35 | |
| 3.00 | 5.23 | 6.50 | 5.26 | |
| 2.50 | 5.85 | 16.00 | 11.91 | |
| 2.50 | 3.27 | 11.00 | 10.09 | |
| 2.50 | 2.74 | 11.00 | 7.71 | |
| 3.25 | 3.28 | 10.00 | 6.52 | |
| 2.50 | <u>1.99</u> | 4.00 | 1.85 | |
| 3.50 | 4.84 | 5.50 | 4.32 | |
| 8.00 | 8.36 | 3.50 | 2.94 | Sodium Arsanilate: Guar.,
0.0088%; found, 0.0099%.
Nicarbazin: Guar., 0.0125%;
found, 0.0130%. |
| 3.50 | 4.34 | 10.00 | 7.43 | |
| 4.00 | 4.01 | 5.00 | 4.17 | |
| 4.00 | 4.61 | 5.00 | 4.23 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0200%. |
| 4.00 | 4.08 | 9.00 | 7.00 | |
| 5.50 | 5.74 | 4.00 | 2.85 | Sulfaquinoxaline: Guar.,
0.01%; found, 0.0100%. |
| 3.50 | 3.31 | 5.00 | 3.80 | |
| 3.00 | 3.78 | 7.00 | 5.11 | |
| 3.00 | 4.16 | 7.00 | 4.92 | Sulfaquinoxaline: Guar.,
0.0125%; found, 0.0145%. |
| 4.00 | 5.73 | 5.00 | 4.88 | |
| 4.00 | <u>3.31</u> | 5.50 | <u>9.75</u> | |
| 3.50 | <u>3.82</u> | 9.00 | <u>6.69</u> | |
| 3.50 | 3.84 | 9.00 | 7.05 | |
| 3.50 | 4.00 | 8.50 | 6.41 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|-------------|--|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 7050 | Wirthmore 36% Dairy Mixing Feed | 11.81 | 36.00 | 40.25 |
| 4634 | Wirthmore 16 Dairy Record Feed | 9.00 | 16.00 | 17.88 |
| 4604 | Wirthmore 18 Dairy Record Feed | 10.22 | 18.00 | 19.25 |
| 5700 | Wirthmore Finisher 425 Medicated | 14.62 | 16.00 | 19.63 |
| 5905 | Wirthmore Fodder Greens | 12.75 | 10.00 | 11.88 |
| 6875 | Wirthmore Green Mountain 14 | 9.04 | 14.00 | 16.75 |
| 4601 | Wirthmore Green Mountain 16 | 11.11 | 16.00 | 16.81 |
| 6220 | Wirthmore Green Mountain 20 | 10.16 | 20.00 | 22.63 |
| 6425 | Wirthmore Grow & Egg Mash | 11.07 | 20.00 | 22.00 |
| 6426 | Wirthmore Hi-Ener-G 16 | 11.51 | 16.00 | 18.50 |
| 4865 | Wirthmore Hi-Ener-G 16 456
Medicated | 13.20 | 16.00 | 17.31 |
| 6222 | Wirthmore Hi-Ener-G Breeder | 11.46 | 16.00 | 17.75 |
| 7392 | Wirthmore Hog Grower Medicated | 11.57 | 15.00 | 17.13 |
| 6687 | Wirthmore Horse Feed | 10.29 | 10.00 | 11.50 |
| 4879 | Wirthmore Improved Hi-Ener-G
Broiler Ration 404 Medicated | 11.56 | 22.00 | 23.38 |
| 6873 | Wirthmore Meatless Mink Food | 8.68 | 12.00 | 13.88 |
| 7088 | Wirthmore Medicated Broiler
Perk 406 | 12.54 | 22.00 | 22.25 |
| 6098 | Wirthmore Medicated Quickies | 11.77 | 20.00 | 21.88 |
| 7492 | Wirthmore Medicated Treat 431 | 10.66 | 20.00 | 21.25 |
| 7207 | Wirthmore Mink Food | 9.42 | 23.00 | 25.38 |
| 6221 | Wirthmore Poultry Fitting | 12.36 | 11.50 | 13.63 |
| 7411 | Wirthmore Poultry Flush | 10.57 | 15.00 | 15.63 |
| 7501 | Wirthmore Poultry Wormer | 11.10 | 17.50 | 18.25 |
| 4603 | Wirthmore Production Scratch | 12.53 | 9.50 | 9.75 |
| 4672 | Wirthmore Rabbit Pellets | 10.71 | 17.00 | 17.94 |
| 6242 | Wirthmore Sheep & Goat Feed | 8.11 | 16.00 | 18.88 |
| 6424 | Wirthmore Stock Primer | 10.44 | 15.00 | 19.25 |
| 4676 | Wirthmore Super Pellets | 11.71 | 23.00 | 23.63 |
| 6686 | Wirthmore Turkey Growing Ration | 10.01 | 23.00 | 23.13 |
| 7281 | Wirthmore Turkey Growing Ration
441 Medicated | 10.25 | 23.00 | 24.13 |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |       | Medicant                                                                                                |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                         |
| 2.00                                | 2.44  | 9.00                                | 7.54  |                                                                                                         |
| 3.50                                | 4.00  | 8.50                                | 7.35  |                                                                                                         |
| 3.50                                | 3.44  | 8.50                                | 7.48  |                                                                                                         |
| 4.50                                | 6.41  | 4.00                                | 2.80  | Sodium Arsanilate: Guar.,<br>0.0088%; found, 0.0077%.<br>Nicarbazin: Guar., 0.0125%;<br>found, 0.0136%. |
| 2.00                                | 2.43  | 18.00                               | 16.35 |                                                                                                         |
| 3.00                                | 4.18  | 10.00                               | 8.29  |                                                                                                         |
| 3.00                                | 3.41  | 10.00                               | 7.60  |                                                                                                         |
| 3.00                                | 3.11  | 10.00                               | 7.90  |                                                                                                         |
| 4.00                                | 5.48  | 5.00                                | 4.68  |                                                                                                         |
| 4.00                                | 4.15  | 4.50                                | 3.80  |                                                                                                         |
| 4.00                                | 4.33  | 4.50                                | 3.58  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0127%.                                                    |
| 3.50                                | 4.23  | 4.50                                | 3.50  |                                                                                                         |
| 4.00                                | 4.43  | 6.00                                | 5.10  | Antibiotic not determined.                                                                              |
| 3.50                                | 3.93  | 9.00                                | 5.67  |                                                                                                         |
| 5.50                                | 5.71  | 3.50                                | 2.73  | Sodium Arsanilate: Guar.,<br>0.0088%; found, 0.0082%.<br>Nicarbazin: Guar., 0.0125%;<br>found, 0.0150%. |
| 6.00                                | 6.97  | 5.00                                | 4.34  |                                                                                                         |
| 5.50                                | 5.64  | 4.00                                | 2.96  | Furazolidone: Guar., 0.011%;<br>found, 0.0094%. Nicarbazin:<br>Guar., 0.0125%; found, 0.012%.           |
| 3.50                                | 5.41  | 4.50                                | 4.46  | Antibiotic guaranteed; not<br>determined.                                                               |
| 3.50                                | 4.41  | 4.50                                | 3.60  | Furazolidone: Guar., 0.022%;<br>found, 0.020%.                                                          |
| 7.00                                | 7.73  | 4.00                                | 3.92  |                                                                                                         |
| 2.50                                | 2.73  | 6.50                                | 5.68  |                                                                                                         |
| 2.50                                | 3.33  | 6.00                                | 6.00  |                                                                                                         |
| 4.00                                | 4.28  | 4.50                                | 3.39  | Piperazine guaranteed; not<br>determined.                                                               |
| 2.50                                | 3.61  | 4.00                                | 3.40  |                                                                                                         |
| 3.00                                | 3.80  | 11.00                               | 8.95  |                                                                                                         |
| 3.25                                | 3.94  | 10.00                               | 7.20  |                                                                                                         |
| 3.00                                | 3.96  | 10.00                               | 6.25  |                                                                                                         |
| 3.50                                | 4.16  | 5.50                                | 4.33  |                                                                                                         |
| 3.50                                | 3.96  | 6.00                                | 4.67  |                                                                                                         |
| 3.50                                | 4.89  | 6.00                                | 5.54  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found, 0.0258%.                                            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                     | Manufacturer and brand                                      | Moist-<br>ure | Protein<br>(N x 6.25)               |              |
|-------------------------------------------------|-------------------------------------------------------------|---------------|-------------------------------------|--------------|
|                                                 |                                                             |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 7032                                            | Wirthmore Turkey Starter 419<br>Medicated                   | 11.31         | 28.00                               | 28.38        |
| 5903                                            | Wirthmore Twin-Mix Calf Feed                                | 10.72         | 18.00                               | 20.00        |
| WIRTHMORE FEED CO., Concord, N. H.              |                                                             |               |                                     |              |
| 6218                                            | Hygrade 16% Dairy                                           | 10.93         | 16.00                               | 17.38        |
| THE YANTIC GRAIN & PRODUCTS CO., Norwich, Conn. |                                                             |               |                                     |              |
| 6303                                            | Big Y Calf Starter & Builder                                | 10.05         | 17.50                               | 18.88        |
| 7466                                            | Big Y Calving Ration                                        | 10.65         | 14.00                               | 14.38        |
| 6920                                            | Big Y Chick Scratch Grain                                   | 10.67         | 10.00                               | 11.13        |
| 6698                                            | Big Y Confinement Growing Mash                              | 10.16         | 15.00                               | 17.38        |
| 6649                                            | Big Y Controlled Growing Ration                             | 9.22          | 15.00                               | 15.75        |
| 4627                                            | Big Y Dairy & Fitting Ration                                | 10.96         | 14.00                               | 15.13        |
| 4637                                            | Big Y 16% Dairy Ration                                      | 10.19         | 16.00                               | 17.75        |
| 5972                                            | Big Y Dairy Ration 18%                                      | 11.71         | 18.00                               | 18.88        |
| 4628                                            | Big Y 20% Dairy Ration (Extra M)                            | 10.02         | 20.00                               | 22.00        |
| 6650                                            | Big Y Dairy Ration Purity                                   | 10.01         | 16.00                               | 16.50        |
| 7465                                            | Big Y Dairy Ration Purity                                   | 9.00          | 16.00                               | 18.00        |
| 6343                                            | Big Y 32% Dairy Supplement Feed                             | 11.26         | 32.00                               | 32.00        |
| 7264                                            | Big Y Extra Production Laying<br>Mash Medicated             | 9.86          | 16.00                               | 16.38        |
| 6217                                            | Big Y Fattening Pellets                                     | 12.61         | 10.00                               | 14.50        |
| 7471                                            | Big Y Hi-Efficiency Breeder<br>Ration                       | 10.38         | 15.00                               | 15.63        |
| 6214                                            | Big Y Hi-Efficiency Laying Mash                             | 11.59         | 16.00                               | 17.13        |
| 6919                                            | Big Y Hi-G Dairy Ration                                     | 10.96         | 16.00                               | 20.38        |
| 6216                                            | Big Y Hi-G Scratch Feed                                     | 12.21         | 9.00                                | 12.88        |
| 6302                                            | Big Y High Efficiency Grower                                | 9.82          | 15.00                               | 16.00        |
| 6917                                            | Big Y Hog & Pig Ration                                      | 10.26         | 17.00                               | 17.50        |
| 5973                                            | Big Y Horse Feed                                            | 14.50         | 10.00                               | 10.75        |
| 7198                                            | Big Y Improved Al-Mo                                        | 10.68         | 10.00                               | 10.75        |
| 5703                                            | Big Y Improved Broiler & Starter<br>Ration Medicated        | 13.09         | 21.00                               | <u>20.00</u> |
| 4867                                            | Big Y Improved Turkey Starter &<br>Game Bird Feed Medicated | 11.11         | 28.00                               | 29.31        |
| 5974                                            | Big Y Intermediate Chick Grain                              | 13.71         | 10.00                               | 11.63        |
| 6215                                            | Big Y 20% Laying Mash                                       | 10.31         | 20.00                               | 20.50        |
| 6918                                            | Big Y M&O Growing Feed                                      | 9.91          | 18.00                               | 18.00        |
| 6699                                            | Big Y Meat Pullet & Caponette<br>Ration                     | 7.56          | 20.00                               | 21.50        |

       indicates deficiencies.

INSPECTION OF 1958 - Continued

| Fat                                 |       | Fiber                               |             | Medicant                                                                                                                                                         |
|-------------------------------------|-------|-------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found       |                                                                                                                                                                  |
| 4.00                                | 4.08  | 5.50                                | 4.36        | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0148%.                                                                                                             |
| 3.00                                | 3.39  | 8.00                                | 6.04        |                                                                                                                                                                  |
| 3.50                                | 3.81  | 9.00                                | 7.90        |                                                                                                                                                                  |
| 2.50                                | 3.59  | 7.50                                | 7.63        |                                                                                                                                                                  |
| 3.50                                | 3.59  | 11.00                               | 9.47        |                                                                                                                                                                  |
| 2.00                                | 2.29  | 4.00                                | 1.41        |                                                                                                                                                                  |
| 3.50                                | 5.48  | 5.00                                | 4.30        |                                                                                                                                                                  |
| 3.00                                | 4.22  | 10.00                               | 9.68        |                                                                                                                                                                  |
| 3.50                                | 4.76  | 9.00                                | 8.33        |                                                                                                                                                                  |
| 3.50                                | 4.07  | 8.50                                | 7.45        |                                                                                                                                                                  |
| 3.00                                | 3.06  | 8.50                                | 8.18        |                                                                                                                                                                  |
| 3.00                                | 4.03  | 8.50                                | 7.73        |                                                                                                                                                                  |
| 3.50                                | 3.55  | 9.00                                | 8.82        |                                                                                                                                                                  |
| 3.50                                | 4.09  | 9.00                                | 8.65        |                                                                                                                                                                  |
| 3.00                                | 2.76  | 8.00                                | 7.10        |                                                                                                                                                                  |
| 4.00                                | 4.09  | 5.00                                | 5.20        | Arsanilic acid: Guar., 0.01%;<br>found, <u>0.0160%</u> .                                                                                                         |
| 3.50                                | 4.44  | 3.00                                | 3.03        |                                                                                                                                                                  |
| 3.50                                | 4.06  | 4.00                                | 3.11        |                                                                                                                                                                  |
| 3.50                                | 3.64  | 4.00                                | 3.08        |                                                                                                                                                                  |
| 3.00                                | 3.67  | 14.00                               | 9.40        |                                                                                                                                                                  |
| 2.00                                | 3.77  | 5.00                                | <u>6.65</u> |                                                                                                                                                                  |
| 3.50                                | 4.97  | 5.00                                | 4.45        |                                                                                                                                                                  |
| 3.50                                | 3.89  | 8.00                                | 6.31        |                                                                                                                                                                  |
| 2.50                                | 4.01  | 9.00                                | 6.32        |                                                                                                                                                                  |
| 1.50                                | 2.43  | 17.00                               | 12.50       |                                                                                                                                                                  |
| 5.00                                | 5.59  | 4.00                                | 2.82        | Arsanilic acid: Guar., 0.0095%;<br>found, 0.0114%. Nicarbazin:<br>Guar., 0.010%; found, 0.0112%.<br>Sulfaquinoxaline: Guar.,<br>0.0175%; found, <u>0.0634%</u> . |
| 4.50                                | 5.19  | 5.00                                | 3.30        |                                                                                                                                                                  |
| 2.50                                | 3.00  | 5.00                                | 2.00        |                                                                                                                                                                  |
| 3.50                                | 4.36  | 6.00                                | 5.28        |                                                                                                                                                                  |
| 3.50                                | 4.02  | 6.00                                | 5.07        |                                                                                                                                                                  |
| 3.50                                | 4.73  | 5.00                                | 3.99        |                                                                                                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                       | Manufacturer and brand                                                               | Moisture | Protein<br>(N x 6.25)    |              |
|-----------------------------------|--------------------------------------------------------------------------------------|----------|--------------------------|--------------|
|                                   |                                                                                      |          | Guaranteed not less than | Found        |
| 5701                              | Big Y Nicarbazin Mixture Incorp. in Big Y Improved Peerless Broiler & Starter Ration | 13.51    | 23.00                    | 23.13        |
| 6305                              | Big Y Poultry Fitting Ration                                                         | 10.46    | 10.00                    | 15.13        |
| 6869                              | Big Y Poultry Fitting Ration                                                         | 9.57     | 10.00                    | 12.25        |
| 4878                              | Big Y Pre-Starter Medicated                                                          | 11.91    | 26.00                    | 25.38        |
| 4639                              | Big Y Rabbit Pellets                                                                 | 10.17    | 16.00                    | 17.25        |
| 4638                              | Big Y Scratch Feed                                                                   | 12.27    | 9.00                     | 10.19        |
| 6651                              | Big Y Sheep & Goat Feed                                                              | 8.57     | 16.00                    | 21.38        |
| 5929                              | Big Y Stock Feed                                                                     | 10.70    | 9.00                     | 12.63        |
| 7297                              | Big Y Super Starter Ration                                                           | 11.14    | 20.00                    | 21.13        |
| 6867                              | Big Y Supreme Laying Mash                                                            | 7.61     | 16.00                    | 17.38        |
| 4636                              | Big Y Turkey Fattener                                                                | 11.84    | 17.00                    | 18.31        |
| 6868                              | Big Y Turkey Growing Feed                                                            | 9.17     | 20.00                    | 20.00        |
| YIELDMOR FEEDS, INC., Piqua, Ohio |                                                                                      |          |                          |              |
| 7144                              | David Small's D. S. H. S. Broiler Feed Medicated                                     | 11.41    | 24.00                    | <u>21.25</u> |
| 7143                              | David Small's D. S. H. S. Finishing Feed Medicated                                   | 11.10    | 20.00                    | 20.38        |
| 7078                              | David Small's High Efficiency All Mash Breeder Medicated                             | 13.35    | 16.00                    | 16.00        |

~~~~~ indicates deficiencies.

INSPECTION OF 1958 - Concluded

| Fat | | Fiber | | Medicant |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.50 | 6.11 | 4.00 | 3.07 | Nicarbazin: Guar., 0.01%; found, 0.0098%. Arsanilic acid: Guar., 0.0095%; found, 0.0095%. |
| 3.00 | 3.79 | 8.00 | 7.48 | |
| 3.00 | 3.11 | 8.00 | 4.73 | |
| 8.00 | 8.50 | 3.00 | 2.70 | Nicarbazin: Guar., 0.010%; found, 0.0137%. Arsanilic acid: Guar., 0.0095%; found, 0.0090%. |
| 3.00 | 3.71 | 10.00 | 9.25 | |
| 2.00 | 3.66 | 5.00 | 2.10 | |
| 3.00 | 3.24 | 8.50 | 6.77 | |
| 2.50 | 3.43 | 15.00 | 9.79 | |
| 3.50 | 4.83 | 4.50 | 3.63 | |
| 5.00 | 6.47 | 4.00 | 3.38 | |
| 3.50 | 3.54 | 6.00 | 4.60 | |
| 3.50 | 4.16 | 6.00 | 4.39 | |
| 7.50 | 7.71 | 4.00 | 2.35 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. Nicarbazin: Guar., 0.0125%; found, 0.0134%. |
| 7.50 | 7.81 | 3.50 | 2.43 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0043%. Nicarbazin: Guar., 0.0125%; found, 0.0134%. |
| 3.00 | 5.06 | 4.50 | 3.50 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0041%. |

TABLE 2. VITAMIN CARRIERS

| Station No | Manufacturer and brand | Place, date of sampling and control number |
|--|---|--|
| AJAX DOG FOOD CO., Dedham, Mass. | | |
| 6019 | Ajax Kibbled Biscuits | Norwalk, 10/10 |
| AMERICAN CYANAMID CO., New York, N. Y. | | |
| 5314 | Fortafeed Feed Supplement 2-49-C | Norwich, 6/18 |
| 4827 | Fortafeed Feed Supplement 2-49-90 | Pawcatuck, 5/7, 2128-1 |
| THE BORDEN CO., New York, N. Y. | | |
| 4030 | Borden's Dry D | Pawcatuck, 2/24, LHBSO |
| CHEMO PURO MFG. CORP., Newark, N. J. | | |
| 5749 | Chemo Nutrient Premix Code No. MGS-2 | Norwich, 9/11, 8753 |
| CLINTON CORN PROCESSING CO., Clinton, Iowa | | |
| 5750 | Clinton C. F. S. Concentrate No. 3 | Jewett City, 9/11 |
| COMMERCIAL SOLVENTS CORP., Terre Haute, Ind. | | |
| 4450 | B-Y-21 Riboflavin Supplement | Norwich, 4/8, None |
| 5313 | B-Y-21 Riboflavin Supplement | Norwich, 6/18 |
| 4290 | B-Y Vitamin Feed Supplement 60 | Shelton, 3/19 |
| DAWE'S LABORATORIES, INC., Chicago, Ill. | | |
| 3785 | Dawe's Fermentation Flavonne | Middletown, 1/16, 8693 |
| 4031 | Dawe's Fermentation Flavonne | Guilford, 2/24, 7972 |
| 4056 | Dawe's Fermentation Flavonne | Middletown, 2/27, 9612 |
| 4442 | Dawe's Fermentation Flavonne | Middletown, 4/1, 9612 |
| 4448 | Dawe's Fermentation Flavonne | Plantsville, 4/3, 1170 |
| 4898 | Dawe's Fermentation Flavonne | Middletown, 5/16, 1725 |
| 5727 | Dawe's Fermentation Flavonne | Middletown, 9/3, 3393 |
| 4394 | Dawe's Pan-Dex 16 | Manchester, 3/26, 9216 |
| 4393 | Dawe's Riboflavin Supplement-4 | Manchester, 3/26, 9564 |
| 4441 | Dawe's Vitamelk (Ruminant Type) | Middletown, 4/1, 8029 |
| 4897 | Dawe's Vitamelk (Ruminant Type) | Middletown, 5/16, 1674 |
| 5728 | Dawe's Vitamelk (Ruminant Type) | Middletown, 9/3, 1512-1584 |
| 3784 | 3-Nitro-4-hydroxy Mixture Special Broiler Mix No. 571-D | Middletown, 1/16, 8694 |
| 4443 | 3-Nitro-4-hydroxy Mixture Special Broiler Mix No. 571-D | Middletown, 4/1, 8694 |

~~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D, units/lb. |              | Riboflavin, mg/lb. |             | Niacin, mg/lb. |             | Pantothenic acid, mg/lb. |             |
|----------------------|--------------|--------------------|-------------|----------------|-------------|--------------------------|-------------|
| Guar.                | Found        | Guar.              | Found       | Guar.          | Found       | Guar.                    | Found       |
|                      |              | 31.7               | <u>0.74</u> | 180            | <u>18.3</u> | 66                       | <u>2.61</u> |
|                      |              | 2000               | 2130        | 9000           | 9233        | 4000                     | 4312        |
|                      |              | 2000               | 2100        | 9000           | 9307        | 4000                     | 3699        |
| 681,000              | Satisfactory |                    |             |                |             |                          |             |
| 68,100               | Satisfactory | 250                | 288         | 2.06           | 2.09        | 4342                     | 4008        |
|                      |              | 10                 | <u>28</u>   | 100            | <u>164</u>  | 20                       | <u>32</u>   |
|                      |              | 3630               | 3768        |                |             |                          |             |
|                      |              | 3630               | 3765        |                |             |                          |             |
|                      |              | 2000               | 2111        | 9000           | 10078       | 3680                     | 3223        |
| 18,160               | Satisfactory | 22.7               | <u>54.5</u> | 90             | <u>145</u>  | 33                       | 37          |
| 18,160               | Satisfactory | 22.7               | <u>41.3</u> | 90             | <u>205</u>  | 33                       | 49          |
| 18,160               | Satisfactory | 22.7               | <u>53.6</u> | 90             | <u>179</u>  | 33                       | <u>37</u>   |
|                      |              | 45                 | <u>44</u>   | 140            | <u>159</u>  | 40                       | 32          |
|                      |              | 45                 | 49          | 140            | 145         | 40                       | 35          |
| 18,160               | Satisfactory | 45                 | <u>64</u>   | 140            | <u>172</u>  | 40                       | 45          |
| 18,160               | Satisfactory | 45                 | <u>61</u>   | 140            | <u>223</u>  | 40                       | 35          |
|                      |              |                    |             |                |             | 16                       | 16.6        |
|                      |              | 4000               | 4177        |                |             |                          |             |
|                      |              | 15.4               | <u>51.6</u> | 90             | 97          | 16.3                     | <u>26.9</u> |
|                      |              | 15.4               | <u>25.5</u> | 90             | <u>119</u>  | 16.3                     | <u>16.3</u> |
|                      |              | 15.4               | <u>20.0</u> | 90             | <u>123</u>  | 16.3                     | <u>39.8</u> |
| 14,528               | Satisfactory | 42                 | 46          | 180            | <u>247</u>  | 61                       | 71          |
| 14,528               | Satisfactory | 42                 | 46          | 180            | <u>229</u>  | 61                       | <u>76</u>   |

TABLE 2. VITAMIN CARRIERS - Continued

| Station No.                                                        | Manufacturer and brand              | Place, date of sampling and control number               |
|--------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|
|                                                                    |                                     |                                                          |
| 5733                                                               | Premix No. 1 File No. 1637-D        | Manchester, 9/8, 3661                                    |
| 5732                                                               | Premix No. 2 File No. 1638-C        | Manchester, 9/8, 3662                                    |
| 5731                                                               | Premix No. 111 File No. 1639-C      | Manchester, 9/8, 3663                                    |
| E. I. duPONT deNEMOURS & CO., Wilmington, Del.                     |                                     |                                                          |
| 4902                                                               | duPont Delsterol 3000-D             | Derby, 5/19, None                                        |
| EASTERN STATES FARMERS' EXCHANGE, INC.,<br>West Springfield, Mass. |                                     |                                                          |
| 6186                                                               | Appiwhhey                           | Putnam, 10/30, BH806                                     |
| 4386                                                               | Calfsaver Tablets                   | North Haven, 3/25, 9950<br>007-108                       |
| THE FOX CO., Newfield, N. J.                                       |                                     |                                                          |
| 5734                                                               | Foxco D-Activated Animal Sterol     | Derby, 9/9, 31858                                        |
| 5736                                                               | Foxco D-Activated Animal Sterol     | Derby, 9/9, 61958                                        |
| 3787                                                               | Foxco Qualadee A & D Feeding<br>Oil | New Haven, 1/16, 12757                                   |
| 4289                                                               | Foxco Qualadee A & D Feeding<br>Oil | Derby, 3/19, 12957                                       |
| 4908                                                               | Foxco Qualadee A & D Feeding<br>Oil | New Haven, 5/20, 4158                                    |
| 5735                                                               | Foxco Qualadee A & D Feeding<br>Oil | Derby, 9/9, 52658                                        |
| 6190                                                               | Foxco Qualadee A & D Feeding<br>Oil | Derby, 10/31, 31858                                      |
| GORTON-PEW FISHERIES CO., LTD., Gloucester, Mass.                  |                                     |                                                          |
| 3786                                                               | Gorton's Al-Blend "Junior"          | Wallingford, 1/16, 21924-<br>21927-21921-21929-<br>21918 |
| 4444                                                               | Gorton's Al-Blend "Junior"          | Wallingford, 4/1, 21919-<br>21914-21913-21916-<br>21911  |
| 4899                                                               | Gorton's Al-Blend "Junior"          | Wallingford, 5/16, None                                  |
| KRAFT FOODS DIV., New York, N. Y.                                  |                                     |                                                          |
| 5316                                                               | G-AN-EN Dog Food Supplement         | Norwich, 6/18,                                           |
| 4029                                                               | Kaff-A Booster Pellets              | Mt. Carmel, 2/19, None                                   |
| 5318                                                               | Pex for Layers-Breeders             | Norwich, 6/18, None                                      |

~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS - Continued

| Vitamin D, units/lb. | | Riboflavin, mg/lb. | | Niacin, mg/lb. | | Pantothenic acid, mg/lb. | |
|----------------------|--------------|--------------------|-------------|----------------|-------------|--------------------------|-------------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| | 14, 528 | | | | | | |
| | Satisfactory | | | | | | |
| | 170, 300 | 100 | <u>122</u> | 5200 | 4892 | 700 | 564 |
| | Satisfactory | | | | | | |
| | 102, 100 | 150 | <u>202</u> | 5800 | 6061 | 600 | 581 |
| | Satisfactory | | | | | | |
| | 103, 100 | 350 | <u>322</u> | 4500 | 4532 | 800 | <u>1060</u> |
| | | | | | | | |
| 1, 362, 000 | Satisfactory | | | | | | |
| | | | | | | | |
| | | 11.5 | <u>14.9</u> | 18.0 | 15.6 | | |
| | | | | 50 | 53 | | |
| | | | | | | | |
| 681, 000 | Passed | | | | | | |
| 681, 000 | Satisfactory | | | | | | |
| | | | | | | | |
| 136, 200 | Satisfactory | | | | | | |
| | | | | | | | |
| 136, 200 | Satisfactory | | | | | | |
| | | | | | | | |
| 136, 200 | Satisfactory | | | | | | |
| | | | | | | | |
| 136, 200 | Satisfactory | | | | | | |
| | | | | | | | |
| 136, 200 | Satisfactory | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 8, 000 | Satisfactory | 18 | <u>28</u> | 200 | <u>249</u> | | |
| | | | | | | | |
| 8, 000 | Satisfactory | 18 | <u>32</u> | 200 | <u>259</u> | | |
| 8, 000 | Satisfactory | 18 | <u>35</u> | 200 | <u>226</u> | | |
| | | | | | | | |
| | | | | | | | |
| 3, 600 | Satisfactory | 10 | <u>16.8</u> | 35 | <u>58.8</u> | | |
| | | | | | | | |
| | | 4.5 | <u>6.8</u> | | | | |

TABLE 2. VITAMIN CARRIERS - Continued

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|--|---|--|
| | | |
| McMILLEN FEED MILLS, Ft. Wayne, Ind. | | |
| 5834 | Master Mix Dogburger | Pawcatuck, 9/29 |
| THE MERCHANTS CREAMERY CO., Cincinnati, Ohio | | |
| 4395 | Blue Ribbon Emulsion | Manchester, 3/26 |
| MERCK & CO., INC., Rahway, N. J. | | |
| 5746 | No. 718 Feed Supplement Improved Premix | Norwich, 9/11, M-1141-8 |
| 6168 | No. 742 Feed Supplement Improved Premix Medicated | Norwich, 10/28, M1457-8 |
| 4288 | No. 659 Vitamin Mixture | Derby, 3/19 |
| MYZON, INC., Chicago, Ill. | | |
| 4388 | Myzon Poultry Builder | Manchester, 3/26 |
| 5317 | Myzon Poultry Builder | Norwich, 6/18 |
| NOPCO CHEMICAL CO., Harrison, N. J. | | |
| 5315 | Nopco Niacin 50% | Norwich, 6/18, BGM-V5067-510-12024 |
| 3790 | Nopco-Pak Hi-Lay Premix | Norwich, 1/17, DDA-527-11514-1610-12/57 |
| 4055 | Nopco-Pak Hi-Lay Premix | Norwich, 2/27, 527-11514-DDA-1610-12/57 |
| 4451 | Nopco-Pak Hi-Lay Premix | Norwich, 4/8, DDA-527-11514-810-3/58 |
| 3789 | Nopco-Pak Super Premix | Norwich, 1/17, DCR-527-11507-510-11/57 |
| 4054 | Nopco-Pak Super Premix | Norwich, 2/27, DCR-527-11507-510-11/57 |
| 4452 | Nopco-Pak Super Premix | Norwich, 4/8, DCR-527-11507-510-11/57 |
| 4053 | Nopdex "3000" | Norwich, 2/27, None |
| CHAS. PFIZER & CO. INC., Terre Haute, Ind. | | |
| 5748 | High Lay Premix | Norwich, 9/11, AK1848 |
| 6167 | High Lay Premix | Norwich, 10/28, AK2598 |

~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS - Continued

| Vitamin D, units/lb. | | Riboflavin, mg/lb. | | Niacin, mg/lb. | | Pantothenic acid, mg/lb. | |
|----------------------|--------------|--------------------|------------|----------------|-------------|--------------------------|------------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| | | 2.5 | 2.6 | 20 | 20 | 5 | 8 |
| | | 4.5 | <u>3.5</u> | | | | |
| 85, 125 | Satisfactory | 500 | <u>608</u> | 3750 | <u>5148</u> | 460 | <u>617</u> |
| 85, 125 | Satisfactory | 500 | 486 | 3750 | 4035 | 460 | 545 |
| | | 1000 | 1022 | 6660 | 7264 | 1224 | 1223 |
| 164, 000 | Satisfactory | 160 | <u>127</u> | 640 | 757 | 160 | 157 |
| | | 160 | <u>153</u> | 640 | 749 | 160 | 179 |
| | | | | 50 | 52 | | |
| 400, 000 | Satisfactory | 800 | 872 | 8000 | 9307 | | |
| | | 800 | <u>835</u> | 8000 | 9534 | 1472 | 1604 |
| 400, 000 | Satisfactory | 800 | 913 | 8000 | 8036 | 1472 | 1608 |
| 170, 300 | Satisfactory | 1000 | 958 | 7500 | 8626 | | |
| 170, 300 | Satisfactory | 1000 | 1049 | 7500 | 8944 | 920 | 842 |
| | | 1000 | 993 | 7500 | 6673 | 920 | 925 |
| 1, 360, 800 | Satisfactory | | | | | | |
| 1, 000, 000 | Passed | 2000 | 2096 | 20000 | 21526 | 3680 | 3318 |
| 1, 000, 000 | Satisfactory | 2000 | 1855 | 20000 | 21387 | 3680 | 3415 |

TABLE 2. VITAMIN CARRIERS - Continued

| Station No | Manufacturer and brand | Place, date of sampling and control number | Vitamin D, units/lb. | | Riboflavin, mg/lb. | | Niacin, mg/lb. | | Pantothenic acid, mg/lb. | |
|---|---|--|---------------------------|--------------|--------------------|-------|----------------|-------|--------------------------|-------|
| | | | Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| SILMO CHEMICAL CORP., Vineland, N. J. | | | | | | | | | | |
| 3793 | Silmo XX Vitamin A & D Feeding Oil | Shelton, 1/17, 33DA18 | 136, 200 | Satisfactory | | | | | | |
| 4032 | Silmo XX Vitamin A & D Feeding Oil | Pawcatuck, 2/24, None | 136, 200 | Satisfactory | | | | | | |
| 4033 | Silmo XX Vitamin A & D Feeding Oil | Fairfield, 2/25, 33DA18 | 136, 200 | Satisfactory | | | | | | |
| 4903 | Silmo XX Vitamin A & D Feeding Oil | Shelton, 5/19, 33DA23 | 136, 200 | Satisfactory | | | | | | |
| 4906 | Silmo XX Vitamin A & D Feeding Oil | Fairfield, 5/19, 33DA24 | 136, 200 | Satisfactory | | | | | | |
| 4385 | Silmo Vitamin D ₂ | North Haven, 3/25, 309 | 30, 000, 000 ¹ | Satisfactory | | | | | | |
| STABILIZED VITAMINS, INC., Brooklyn, N. Y. | | | | | | | | | | |
| 4392 | D-Activated Animal Sterol Dry D | Manchester, 3/26, 10246 | 6, 810, 000 | Satisfactory | | | | | | |
| 3780 | Perma-Mix C. C. C. No. 1 | Manchester, 1/16, 16673 | 1, 703, 000 | Satisfactory | 4 | 3.8 | 53 | 55 | 6 | 5.4 |
| 3783 | Perma-Mix C. C. C. No. 1 | Manchester, 1/16, 16862 | | | 4 | 3.8 | 53 | 51 | 6 | 5.4 |
| 4036 | Perma-Mix C. C. C. No. 1 | Manchester, 2/26, 17075 | 1, 703, 000 | Satisfactory | 4 | 7 | 53 | 40 | 6 | 6.5 |
| 4389 | Perma-Mix C. C. C. No. 1 | Manchester, 3/26, 17295 | 1, 703, 000 | Satisfactory | 4 | 4.4 | 53 | 60 | 6 | 5.1 |
| 4893 | Perma-Mix C. C. C. No. 1 | Manchester, 5/16, 1794 | 1, 703, 000 | Satisfactory | 4 | 5.4 | 53 | 48.5 | 6 | 5.7 |
| 5729 | Perma-Mix C. C. C. No. 1 | Manchester, 9/8, 19072 | 1, 703, 000 | Satisfactory | 4 | 4 | 53 | 58 | 6 | 4.8 |
| 6166 | Perma-Mix C. C. C. No. 1 | Manchester, 10/27, 1948-5 | 1, 703, 000 | Satisfactory | 4 | 4.4 | 53 | 57 | 6 | 6.2 |
| 3781 | Perma-Mix C. C. C. No. 2 | Manchester, 1/16, 1685 | 1, 021, 000 | Satisfactory | 4.5 | 5.3 | 54 | 58 | 5.5 | 5.3 |
| 4035 | Perma-Mix C. C. C. No. 2 | Manchester, 2/26, 1710 | 1, 021, 000 | Satisfactory | 4.5 | 4.3 | 54 | 65 | 5.5 | 5.4 |
| 4390 | Perma-Mix C. C. C. No. 2 | Manchester, 3/26, 1734 | 1, 021, 000 | Satisfactory | 4.5 | 4.7 | 58 | 65 | 5.5 | 5.1 |
| 4894 | Perma-Mix C. C. C. No. 2 | Manchester, 5/16, 1795 | 1, 021, 000 | Satisfactory | 4.5 | 5.8 | 58 | 62 | 5.5 | 5.7 |
| 6165 | Perma-Mix C. C. C. No. 2 | Manchester, 10/27, 1938-1 | 1, 021, 000 | Satisfactory | 4.5 | 4.7 | 58 | 61 | 5.5 | 6.8 |
| 3782 | Perma-Mix C. C. C. No. 3 | Manchester, 1/16, 1684 | 1, 031, 000 | Satisfactory | 6.5 | 7.4 | 45 | 55 | 7.4 | 8.4 |
| 4034 | Perma-Mix C. C. C. No. 3 | Manchester, 2/26, 1711 | 1, 031, 000 | Satisfactory | 6.5 | 6.4 | 45 | 40 | 7.4 | 6.8 |
| 4037 | Perma-Mix C. C. C. No. 3 | Manchester, 2/26, 1652 | | | 6.5 | 4.1 | 45 | 52 | 7.4 | 6.0 |
| 4391 | Perma-Mix C. C. C. No. 3 | Manchester, 3/26, 1735 | 1, 031, 000 | Satisfactory | 6.5 | 6.1 | 45 | 57 | 7.4 | 5.3 |
| 5730 | Perma-Mix C. C. C. No. 3 | Manchester, 9/8, 1871 | 1, 031, 000 | Satisfactory | 6.5 | 7.1 | 45 | 44 | 7.4 | 6.3 |
| VITARON CHEMICAL MFG. CO. INC., Brooklyn, N. Y. | | | | | | | | | | |
| 5737 | Vitamin A & D Feeding Oil | Shelton, 9/9, 10568 | 136, 200 | Satisfactory | | | | | | |
| 5739 | Vitamin A & D Feeding Oil | Shelton, 9/9, 10638 | 136, 200 | Satisfactory | | | | | | |
| 5833 | Vitamin A & D Feeding Oil | Pawcatuck, 9/29, 10739 | 136, 200 | Satisfactory | | | | | | |
| WARNER DOG FOOD CO. INC., Brooklyn, N. Y. | | | | | | | | | | |
| 5757 | Warner's Dog Food Golden Special Kibble | Meriden, 9/12 | | | 1 | 1.6 | .5 | 19.5 | 1.8 | 2.4 |

~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS - Continued

| Station No                                      | Manufacturer and brand                  | Place, date of sampling and control number | Vitamin D, units/lb.      |              | Riboflavin, mg/lb. |       | Niacin, mg/lb. |       | Pantothenic acid, mg/lb. |       |
|-------------------------------------------------|-----------------------------------------|--------------------------------------------|---------------------------|--------------|--------------------|-------|----------------|-------|--------------------------|-------|
|                                                 |                                         |                                            | Guar.                     | Found        | Guar.              | Found | Guar.          | Found | Guar.                    | Found |
| SILMO CHEMICAL CORP., Vineland, N. J.           |                                         |                                            |                           |              |                    |       |                |       |                          |       |
| 3793                                            | Silmo XX Vitamin A & D Feeding Oil      | Shelton, 1/17, 33DA18                      | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 4032                                            | Silmo XX Vitamin A & D Feeding Oil      | Pawcatuck, 2/24, None                      | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 4033                                            | Silmo XX Vitamin A & D Feeding Oil      | Fairfield, 2/25, 33DA18                    | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 4903                                            | Silmo XX Vitamin A & D Feeding Oil      | Shelton, 5/19, 33DA23                      | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 4906                                            | Silmo XX Vitamin A & D Feeding Oil      | Fairfield, 5/19, 33DA24                    | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 4385                                            | Silmo Vitamin D <sub>2</sub>            | North Haven, 3/25, 309                     | 30, 000, 000 <sup>1</sup> | Satisfactory |                    |       |                |       |                          |       |
| STABILIZED VITAMINS, INC., Brooklyn, N. Y.      |                                         |                                            |                           |              |                    |       |                |       |                          |       |
| 4392                                            | D-Activated Animal Sterol Dry D         | Manchester, 3/26, 10246                    | 6, 810, 000               | Satisfactory |                    |       |                |       |                          |       |
| 3780                                            | Perma-Mix C. C. C. No. 1                | Manchester, 1/16, 16673                    | 1, 703, 000               | Satisfactory | 4                  | 3.8   | 53             | 55    | 6                        | 5.4   |
| 3783                                            | Perma-Mix C. C. C. No. 1                | Manchester, 1/16, 16862                    |                           |              | 4                  | 3.8   | 53             | 51    | 6                        | 5.4   |
| 4036                                            | Perma-Mix C. C. C. No. 1                | Manchester, 2/26, 17075                    | 1, 703, 000               | Satisfactory | 4                  | 7     | 53             | 40    | 6                        | 6.5   |
| 4389                                            | Perma-Mix C. C. C. No. 1                | Manchester, 3/26, 17295                    | 1, 703, 000               | Satisfactory | 4                  | 4.4   | 53             | 60    | 6                        | 5.1   |
| 4893                                            | Perma-Mix C. C. C. No. 1                | Manchester, 5/16, 1794                     | 1, 703, 000               | Satisfactory | 4                  | 5.4   | 53             | 48.5  | 6                        | 5.7   |
| 5729                                            | Perma-Mix C. C. C. No. 1                | Manchester, 9/8, 19072                     | 1, 703, 000               | Satisfactory | 4                  | 4     | 53             | 58    | 6                        | 4.8   |
| 6166                                            | Perma-Mix C. C. C. No. 1                | Manchester, 10/27, 1948-5                  | 1, 703, 000               | Satisfactory | 4                  | 4.4   | 53             | 57    | 6                        | 6.2   |
| 3781                                            | Perma-Mix C. C. C. No. 2                | Manchester, 1/16, 1685                     | 1, 021, 000               | Satisfactory | 4.5                | 5.3   | 54             | 58    | 5.5                      | 5.3   |
| 4035                                            | Perma-Mix C. C. C. No. 2                | Manchester, 2/26, 1710                     | 1, 021, 000               | Satisfactory | 4.5                | 4.3   | 54             | 65    | 5.5                      | 5.4   |
| 4390                                            | Perma-Mix C. C. C. No. 2                | Manchester, 3/26, 1734                     | 1, 021, 000               | Satisfactory | 4.5                | 4.7   | 58             | 65    | 5.5                      | 5.1   |
| 4894                                            | Perma-Mix C. C. C. No. 2                | Manchester, 5/16, 1795                     | 1, 021, 000               | Satisfactory | 4.5                | 5.8   | 58             | 62    | 5.5                      | 5.7   |
| 6165                                            | Perma-Mix C. C. C. No. 2                | Manchester, 10/27, 1938-1                  | 1, 021, 000               | Satisfactory | 4.5                | 4.7   | 58             | 61    | 5.5                      | 6.8   |
| 3782                                            | Perma-Mix C. C. C. No. 3                | Manchester, 1/16, 1684                     | 1, 031, 000               | Satisfactory | 6.5                | 7.4   | 45             | 55    | 7.4                      | 8.4   |
| 4034                                            | Perma-Mix C. C. C. No. 3                | Manchester, 2/26, 1711                     | 1, 031, 000               | Satisfactory | 6.5                | 6.4   | 45             | 40    | 7.4                      | 6.8   |
| 4037                                            | Perma-Mix C. C. C. No. 3                | Manchester, 2/26, 1652                     |                           |              | 6.5                | 4.1   | 45             | 52    | 7.4                      | 6.0   |
| 4391                                            | Perma-Mix C. C. C. No. 3                | Manchester, 3/26, 1735                     | 1, 031, 000               | Satisfactory | 6.5                | 6.1   | 45             | 57    | 7.4                      | 5.3   |
| 5730                                            | Perma-Mix C. C. C. No. 3                | Manchester, 9/8, 1871                      | 1, 031, 000               | Satisfactory | 6.5                | 7.1   | 45             | 44    | 7.4                      | 6.3   |
| VITARON CHEMICAL MFG. CO. INC., Brooklyn, N. Y. |                                         |                                            |                           |              |                    |       |                |       |                          |       |
| 5737                                            | Vitamin A & D Feeding Oil               | Shelton, 9/9, 10568                        | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 5739                                            | Vitamin A & D Feeding Oil               | Shelton, 9/9, 10638                        | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| 5833                                            | Vitamin A & D Feeding Oil               | Pawcatuck, 9/29, 10739                     | 136, 200                  | Satisfactory |                    |       |                |       |                          |       |
| WARNER DOG FOOD CO. INC., Brooklyn, N. Y.       |                                         |                                            |                           |              |                    |       |                |       |                          |       |
| 5757                                            | Warner's Dog Food Golden Special Kibble | Meriden, 9/12                              |                           |              | 1                  | 1.6   | .5             | 19.5  | 1.8                      | 2.4   |

~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS - Concluded

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|---|---|---|
| WHITMOYER LABORATORIES, INC., Myerstown, Pa. | | |
| 4896 | Complete Starter Premix No. 3 | Manchester, 5/16, 45824 |
| 4901 | Dri-Col (1500-D ₃) | Derby, 5/19, 31458 |
| 3792 | Flav-A-Dee | Bridgeport, 1/17, None |
| 4445 | Flav-A-Dee | Central Village, 4/2, None |
| 4905 | Flav-A-Dee | Bridgeport, 5/19, None |
| 5740 | Flav-A-Dee | Bridgeport, 9/9, None |
| 4446 | Gro-Tein | Central Village, 4/2 |
| 4447 | Whitcod Cod Liver Oil | Central Village, 4/2,
3758 |
| 4900 | Whitmoyer Quality Vitamin A & D Feeding Oil | Derby, 5/19, 31858 |
| WIRTHMORE FEEDS INC., Waltham, Mass. | | |
| 6078 | Wirthmore Hog Grower Medicated | Watertown, 10/21 |
| 5891 | Wirthmore Meatless Mink Food | Danbury, 10/2, 282406-
282401-282383-282402-
282376 |
| 6188 | Wirthmore Mink Food | New Haven, 10/31, B19974-
954-900-968-957 |
| 6187 | Wirthmore Pig & Sow Feed | Putnam, 10/30, B169980-
B169985-B169921 |
| 4387 | Wirthmore Twin-Mix Calf Feed | Amston, 3/25, U938946-
U938947-U938949 |
| THE YANTIC GRAIN & PRODUCTS CO., Norwich, Conn. | | |
| 3791 | Big Y Vitamin A & D Feeding Oil | Norwich, 1/17, 3413 |
| 4453 | Big Y Vitamin A & D Feeding Oil | Norwich, 4/8, M400 |

~~~~~ indicates deficiencies.

<sup>1</sup> U.S.P. units per lb; assayed by feeding to rats.

TABLE 2. VITAMIN CARRIERS - Concluded

| Vitamin D, units/lb. |              | Riboflavin, mg/lb. |            | Niacin, mg/lb. |            | Pantothenic acid, mg/lb. |            |
|----------------------|--------------|--------------------|------------|----------------|------------|--------------------------|------------|
| Guar.                | Found        | Guar.              | Found      | Guar.          | Found      | Guar.                    | Found      |
| 1,031,000            | Satisfactory | 3.5                | 3.3        | 45             | 47         | 8                        | 8          |
| 681,000              | Satisfactory |                    |            |                |            |                          |            |
| 54,480               | Satisfactory | 100                | 94         | 700            | <u>854</u> | 92                       | <u>60</u>  |
| 54,480               | Satisfactory | 100                | 102        | 700            | <u>804</u> | 100                      | <u>104</u> |
| 54,480               | Satisfactory | 100                | 117        | 700            | <u>842</u> | 100                      | <u>127</u> |
| 54,480               | Satisfactory | 100                | 99         | 700            | <u>789</u> | 100                      | <u>114</u> |
|                      |              | 20                 | 20         |                |            |                          |            |
| 136,000              | Satisfactory |                    |            |                |            |                          |            |
| 136,000              | Satisfactory |                    |            |                |            |                          |            |
|                      |              | 2                  | <u>2.9</u> | 20             | <u>25</u>  | 6                        | <u>7.4</u> |
|                      |              | 4.5                | 5.0        | 20             | <u>35</u>  | 7                        | <u>10</u>  |
|                      |              | 4.5                | <u>7.1</u> | 20             | <u>27</u>  | 7                        | <u>9</u>   |
|                      |              | 2                  | <u>3.3</u> | 20             | <u>25</u>  | 6                        | 7.1        |
| 2,000 <sup>1</sup>   | Satisfactory | 3                  | 2.5        | 3              | <u>23</u>  | .92                      | <u>6.2</u> |
| 136,080              | Satisfactory |                    |            |                |            |                          |            |
| 136,080              | Satisfactory |                    |            |                |            |                          |            |