

Commercial
FEEDING STUFFS

1959 Report on Inspection

H. J. FISHER
Chief Chemist

Bulletin 633

July 1960



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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

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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. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

Section 22-116 of the 1959 Revision of the General Statutes delegates the enforcement provisions of the feed law to the Commissioner of Consumer Protection.

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.

¹ Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Raymond West, Mr. Walter Oliver and Miss Helen Kocaba; 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 "condi-

tioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental 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, 1959 to December 31, 1959, 192 firms registered 1,463 brands of feeding stuffs, and 19 firms registered 53 brands of vitamin carriers.

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

Acme Wheat Bran
Acme Wheat Standard Middlings with Screenings
Acme Yellow Hominy Feed

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

Albers Calf Manna
Albers Medicated Rapid-Ade
Albers Rabbit Breeder Ration
Albers Rabbit Family Ration
Albers Sho-Glo
Albers Suckle

ALBION ALFALFA MILL, INC., Albion, Nebr.

Beaver Brand Dehydrated Alfalfa Meal

ALLIED CHEMICAL CORP., Nitrogen Division, Hopewell, Va.

"Arcadian" Urea Feed Mixture

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago, Ill.

Egg Producer "E"
Sucrene 16% Dairy "P"
Universal Scratch Feed
Wayne Breeder Medicated
Wayne Calf Grower
Wayne Calfnip
Wayne Calf Starter "A"
Wayne Chick Feed
Wayne Chick Starter Medicated (1100-11)
Wayne Chick Starter Medicated (1100-39)
Wayne Complete Egg Medicated
Wayne 16% Dairy
Wayne 20% Dairy
Wayne Egg Medicated
Wayne 16% Finishing Feed Medicated
Wayne Fitting Ration
Wayne Hog Finisher Medicated
Wayne Horse Feed
Wayne Medicated Bio-Ruminutra
Wayne Medicated H-A-D
Wayne Medicated H-A-D (170)
Wayne Medicated H-A-D (171)
Wayne Medicated Poultry Res-Q
Wayne Medicated Stress Diet
Wayne Medicated Stress Diet (176)
Wayne Medicated Turkey Developer
Wayne Medicated Turkey Pre-Starter
Wayne Mink Meal
Wayne Pigeon Feed

ALLIED MILLS, INC., 110 No. Wacker Drive, Chicago, Ill. - Cont.

Wayne Pullet Developer
 Wayne Pullet Developer Medicated
 Wayne Pullet Grower
 Wayne Pullet Grower Medicated
 Wayne Rabbit Ration
 Wayne Rocket Broiler Feed Medicated
 Wayne Rocket Broiler Finisher
 Wayne Rocket Broiler Finisher Medicated
 Wayne Rocket Broiler Starter Medicated
 Wayne Scratch Feed
 Wayne Starter and Grower "E"
 Wayne Starter and Grower "E" Medicated
 Wayne Sweet Bulky Feed "E"
 Wayne Tail Curler Medicated
 Wayne Tail Curler Medicated (753)
 Wayne Test Cow
 Wayne Turkey Breeder Medicated
 Wayne Turkey Developer Medicated Nithiazide
 Wayne Turkey Developer Medicated p-Ureidobenzene arsonic acid
 Wayne Turkey Developer (225) Medicated
 Wayne Turkey Developer (227) Medicated
 Wayne Turkey Developer (228) Medicated
 Wayne Turkey Finisher
 Wayne Turkey Finisher Medicated Nithiazide
 Wayne Turkey Finisher Medicated p-Ureidobenzene arsonic acid
 Wayne Turkey Grower
 Wayne Turkey Grower Medicated Nithiazide
 Wayne Turkey Grower Medicated p-Ureidobenzene arsonic acid
 Wayne Turkey Pre-Starter (220) Medicated
 Wayne Turkey Pre-Starter (222) Medicated
 Wayne Universal Breeder Medicated
 Wayne Universal Egg Medicated
 Wayne Universal Pullet Grower
 Wayne Universal Pullet Grower Medicated
 Wayne Universal Turkey Breeder Medicated
 Wayne Universal Turkey Grower
 Wayne Universal Turkey Grower Medicated Nithiazide
 Wayne Universal Turkey Grower Medicated p-Ureidobenzene arsonic acid

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

Dried Beet Pulp with Beet Molasses
 Plain Dried Beet Pulp

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

(See also Vitamin Carriers)

Arsanilic Acid 20%
 Arzene Premix 4%
 Enheptin 15%
 Megasul 25%
 Pantothenic Acid (PA-45)
 Profactor 6 Vitamin B₁₂
 Profactor 10

AMERICAN FEED CO., W. 177th St. & Harlem River, New York, N. Y.

AFCO Wafer Meal

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

Amaizo Corn Gluten Meal
 Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis, Mo.

Brewers' Dried Grains

ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.

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

ARCHER-DANIELS-MIDLAND CO., Alfalfa Div., P.O. Box 356, Kansas City, Mo.

17% Dehydrated Alfalfa Meal
 Small's 20% Fine Ground Dehydrated Alfalfa Meal

ARMOUR and CO., 401 N. Wabash Ave., Chicago, Ill.

Top-Pelt Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

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

B'n W brand Dried Citrus Pulp

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

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 Medicated Appetizer Mash
 Fort Orange Special Test Ration

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

Beacon Balancer Pellets
 Beacon Beef Creep & Fitting Ration
 Beacon Broiler Finisher
 Beacon Broiler Finisher NCA Medicated
 Beacon Broiler Finisher UN3 Medicated
 Beacon C-C Pellets
 Beacon Calf Grow
 Beacon Cape-Roaster Finisher NC Medicated
 Beacon Cape-Roaster Finisher UN3 Medicated
 Beacon "15" Coarse Test Cow Ration
 Beacon Complete Rabbit Pellets
 Beacon Complete Starter
 Beacon Complete Starter NC Medicated
 Beacon Complete Starter UN3 Medicated
 Beacon Dairy Breeder Pellets
 Beacon Dairy Fitting
 Beacon Dairy Fitting Ration with Sodium Propionate
 Beacon Duck Breeder
 Beacon Duck Grower-Finisher
 Beacon Duck Starter

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

Beacon Egg Check A Medicated
Beacon "22" Egg Mash
Beacon Goat Ration
Beacon Grower All-Mash
Beacon Grower All-Mash NC Medicated
Beacon "18" Growing Mash
Beacon Hi-Energy Test Pel-ets
Beacon Hog Finisher Pellets
Beacon Horse Feed
Beacon Keep Sweet Silage Preservative
Beacon Market Egg All-Mash A Medicated
Beacon Medicated Poultry Mix 1CT-FZ
Beacon Medicated Poultry Mix 2CT
Beacon Medicated "20" Turkey Grower AC-AN
Beacon Milk Check "16" Dairy Ration
Beacon Milk Check "18" Dairy Ration
Beacon Milk Check "20" Dairy Ration
Beacon Milk Check Fitting Ration
Beacon "24" Mixer
Beacon Pig Grower Pellets Medicated
Beacon Pig Starter Pellets Medicated
Beacon Poultry Finisher with Dienestrol Diacetate & Nicarbazin
Beacon Poultry Finisher NC Medicated
Beacon Poultry Fitting
Beacon Starter-Broiler
Beacon Starter-Broiler NCA Medicated
Beacon Starter-Broiler UN3 Medicated
Beacon Sweet "16" Dairy Ration
Beacon "16" Test Cow Ration
Beacon "18" Test Cow Ration
Beacon Turkey Breeder All-Mash
Beacon Turkey Finisher All-Mash
Beacon Turkey & Game Bird Breeder
Beacon Turkey & Game Bird Fitting
Beacon "22" Turkey & Game Bird Grower
Beacon "20" Turkey Grower
Beacon "20" Turkey Grower C Medicated
Beacon Turkey Starter SQA Medicated
Beacon Worm Mash
Be-Co Breeder A Medicated
Be-Co Grower
Be-Co Grower NC Medicated
Be-Co-Lass
Be-Co Layer A Medicated
Be-Co Nurse Milk Replacer
Bulky Green

THE BERKMAN GRAIN CO., North Franklin, Conn.

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

THE BERKMAN GRAIN CO., North Franklin, Conn. - Cont.

Nibco Medicated Booster Feed
Nibco Pullet Starter Medicated
Nibco Scratch Feed

DAVID BILGORE & CO., Clearwater, Fla.

Registered by Cocke & Co., Atlanta, Ga.

Bilgore's (Brand) Citrus Pulp

BLATCHFORD CALF MEAL CO., Waukegan, Ill.

Blatchford's Calf Meal

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

Bloomfield 16% Dairy Ration

HAROLD C. BRANDT, Annville, Pa.

Registered by Reading Milling Co., Inc., Reading, Pa.

Pure Winter Wheat Middlings

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

Brooklawn Sweet Mix

BROWN-FORMAN DISTILLERS CORP., P.O. Box 1080, Louisville, Ky.

Brown-Forman Corn Distillers Dried Grains
Brown-Forman Corn Distillers Solubles

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

Camden Brand Dried Brewers Grain

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

Maple Leaf 34% Protein Expeller Linseed Oil Meal

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

17% Capex Dehydrated Alfalfa Meal
Sun-cured Alfalfa Crumbles

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
Cargill, Inc. 50% Protein Solvent Extracted Dehulled Soybean Oil Meal

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

Carling Brewers Dried Grains

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

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 Laying Mash
Honest Brand Nu Weigh-Hi Broiler Mash Medicated
Honest Brand Nu Weigh-Hi Finisher Mash
Honest Brand Nu Weigh-Hi Starter Mash Medicated

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

Central's 44% Soybean Oil Meal Solvent Extracted
Thrifty-Fifty

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

(See also Vitamin Carriers)

Chemo - Nutrient Premix MGS-3
JR No. 6 Mix

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

Fosgate's Ace High All Sweet Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

Clinton 21% Protein Corn Gluten Feed
Clinton 41% Protein Corn Gluten Meal

CLYDE MILLING CORP., Clyde, N. Y.

Clyde Booster 16 Dairy Ration
Clyde C. L. Special 15
Clyde C. L. Special 16
Clyde Complete Calf Starter Medicated
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 & Grower
Clyde Hi-Cal-Re Complete Layer & Grower
Clyde Horse Feed
Clyde Life Span 15
Clyde Life Span 18
Clyde Life Span 30
Clyde Market Egg Mash
Clyde Meat Bird Finisher Pellets Medicated
Clyde Milk-Flo 16 Dairy Ration
Clyde R. S. 10
Clyde Super Egg Mash
Clyde Tastee Station Pellets
Clyde Test Cow 16
Clyde Test Cow 18
Clyde Turkey Grower Mash
Dewhurst's 16% Dairy Ration
Dried Apple Pomace
Warren's Calf Starter (Mfd. for William S. Warren & Son, Eastford, Conn.)
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.)
Warren's Test Cow 16 (Mfd. for William S. Warren & Son, Eastford, Conn.)
Wheat Bran

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

Bilgore's (Brand) Citrus Pulp (Mfd. by David Bilgore & Co., Clearwater, Fla.)
Sweet Suni-Citrus Pulp (Mfd. by Suni-Citrus Products, Haines City, Fla.)

COLBY COOPERATIVE STARCH CO., Caribou, Maine

Co-Star Brand Dried Potato Pulp and Molasses

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

Corn Distillers Dried Solubles with Grains (Soluferm Basic)

COMMUNITY SERVICE, INC., Canaan, Conn.

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

CONNECTICUT BI-PRODUCTS, INC., 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 Distillers Dried Solubles

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC.,

Ithaca, N. Y.

Registered by Eastern States Farmers' Exchange, Inc., West
Springfield, Mass.

GLF All-Mash Laying Ration

GLF Fitting Ration

GLF 16% Milk Maker

GLF Trim

GLF Turkey Starter

CORN PRODUCTS CO., 717 Fifth Ave., New York, N. Y.

Buffalo Brand 21% Protein Corn Gluten Feed
Diamond Brand Corn Gluten Meal
Diamond Brand 41% Corn Gluten Meal

C. A. COWLES, INC., Plantsville, Conn.

Blue C Feed 16% Dairy Ration
Blue C Feed 20% Dairy Ration
Blue C Feed Fitting Ration
Blue C Feed Growing Mash
Blue C Feed Horse Feed with Molasses
Blue C Feed Laying Mash
Blue C Feed Rabbit Pellets
Blue C Feed Super 16% Dairy Ration
C. A. Cowles Turkey Starting Mash
16% Dairy Delight
16% Dairy Delight (Coarse)

P. CUTLER, INC., Colchester, Conn.

Prosperity Calf & Beef Ration
 Prosperity Dairy Ration
 Prosperity Laying Mash
 Prosperity Pig Feed
 Prosperity Sweet Beetrus Mix

DCA FOOD INDUSTRIES, INC., Ellicott City, Md.

Domaco Pure Winter Wheat Bran
 Domaco Winter Wheat Standard Middlings

DAIRYMEN'S LEAGUE CO-OPERATIVE ASS'N. INC., 400 Park St., Syracuse, N. Y.

Dairylea Skim Milk Powder for Animal Feed

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

(See also Vitamin Carriers)

Dawe's Fermentation Flavonne
 Dawe's Vitamelk (Ruminant Type)
 Premix No. 1
 Premix No. 2
 Premix No. 111
 Special Broiler Mix No. 571-D

DAWNWOOD FARMS, Amenia, N. Y.

Dawnwood Farms Caf-Star

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 Pig & Hog Feed
 Delaware Rabbit Pellets
 Delaware Scratch Grains
 Eastern Conn. Grain Associates Broiler Finisher Mash Medicated
 Warren's C & C Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's C & C Complete Breeder 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 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 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 Grow & Lay
 Litsky's Hi-Energy All Mash Layer
 Litsky's Hi-Energy Layer
 Litsky's Hi-Energy Starter-Broiler Medicated
 Litsky's Sweet 16% Dairy Ration

DEWHURST'S GRAIN STORE, Southwick, Mass.

Registered by Clyde Milling Corp., Clyde, N. Y.
 Dewhurst's 16% Dairy Ration

DISTILLERS CORPORATION Ltd., LaSalle, Quebec, Canada

Distilco Corn Distillers' Dried Grains

DUFFY-MOTT CO., INC., 370 Lexington Ave., New York, N. Y.

Dried Apple Pomace

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

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
 Appiweh Emulsion
 Beefmix with Diethylstilbestrol
 Breeder Mash Medicated
 Broiler Finisher Medicated
 Broiler Grower Medicated
 Broiler Starter Medicated
 Calf Starter
 Calving Ration
 Cashmaker Medicated
 Cashmaker-WM Medicated
 Champion
 Choicemaker Medicated
 Class Leader
 Darimore
 Dairypels 16
 Dairypels 20
 Fulpail
 Gee-Mix
 Goalmaker Medicated
 Grasslander
 Lay-Mix Medicated
 Master Mix Dairy Ration
 Matchmaker Medicated
 Medicated Defender
 Medicated Lacto-Life
 Medicated Minuteman
 Medicated Minuteman SQ
 Medicated Sentinel
 Medicated Turkey Starter F
 Milkmore
 Milkmore-WA Medicated

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

Milksaver
 Pacemaker Medicated
 Pork Breeder
 Pork Builder
 Pork Gainer Medicated
 Porklets
 Porkmix
 Pork Primer Medicated
 Poultry Wormer
 Rabettes
 Roaster Finisher Medicated
 Supmix
 Sweepstakes
 Tastibulk
 Turkey Breeder
 Turkey Finisher
 Turkey Finisher C Medicated
 Turkey Grower
 Turkey Grower C Medicated
 Turkey Starter Medicated

ECKHART MILLING CO., 1300 W. Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran
 Standard Wheat Middlings with Ground Recleaned Wheat

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

Elmore Broiler Finisher Pellets (1N)
 Elmore Bull Feed
 Elmore Calf Grain Ration
 Elmore Chixsaver (1N)
 Elmore Chixsaver (1S)
 Elmore Chixsaver (2S)
 Elmore Complete Breeder Mash (1A)
 Elmore Complete Calf Milk Replacer
 Elmore Complete Growing Ration (1A)
 Elmore Complete Growing Ration (1N)
 Elmore Complete Laying Mash
 Elmore Complete Market Egg Ration
 Elmore Complete Market Egg Ration (1A)
 Elmore Complete Rabbit Ration Pellets
 Elmore Complete Turkey Growing Mash (1A)
 Elmore Complete Turkey Growing Mash (1H)
 Elmore Complete Turkey Growing Mash (1S)
 Elmore Dry & Freshening Ration
 Elmore Egg Mash (1A)
 Elmore Fair Acres Dairy Ration
 Elmore Fitting Ration 14%
 Elmore Flaked Pelleted Calf Starter
 Elmore Fleshing Pellets
 Elmore Game Bird Grower
 Elmore Game Bird Growing (1H)
 Elmore Game Bird Starter (1S)
 Elmore Grand Champion Ration
 Elmore Growing Mash (1A)
 Elmore Growing Mash (1N)
 Elmore Hog Ration
 Elmore 20% Laying Mash
 Elmore Makemgrow Little Pig Ration

ELMORE MILLING CO., INC., 52 Main St., Oneonta, N. Y. - Cont.

Elmore Milk Grains "Sixteen"
 Elmore Milk Grains "Twenty"
 Elmore Pacemaker 16% Dairy Ration
 Elmore Pacemaker 18% Dairy Ration
 Elmore Picker-Upper Mash (2A)
 Elmore Poultry & Turkey Fitting Ration
 Elmore Restricted Grower
 Elmore Silosweet
 Elmore Stock Feed
 Elmore Super Broiler Ration (1N)
 Elmore Super Silage
 Elmore 30% Supplemental Dairy Ration
 Elmore Test Ration 16%
 Elmore Test Ration 18%
 Elmore Turkey Breeder Mash (1A)
 Elmore Turkey Finisher (Fattener)
 Elmore Turkey Growing Mash (1A)
 Elmore Turkey Growing Mash (1H)
 Elmore Turkey Starting Mash (1S)

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 Medicated
 Red Rose Calf Grower
 Red Rose Calf Starter
 Red Rose Cattle Supplement
 Red Rose Chick Grains
 Red Rose Complete Breeder Ration
 Red Rose Complete Growing Ration
 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 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 Milk Replacer
 Red Rose Pigeon Feed
 Red Rose Porkmaker
 Red Rose Rabbit Pellets
 Red Rose Scratch Grains
 Red Rose Starter & Grower
 Red Rose 14 Test-Cow Feed
 Red Rose Turkey Starter
 Red Rose Wild Bird Feed
 S-O-S

EVANS MILLING CO., INC., 1730 W. Michigan St., Indianapolis, Ind.
Emco Hominy Feed

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

Farm Bureau Complete Developer Mash or Pellets
Farm Bureau Complete Market Egg Mash or Pellets
Farm Bureau 16% Dairy Ration
Farm Bureau 14% Milking Ration
Farm Bureau Rabbit Food Pellets
Farm Bureau Special Hominy (Registered by Litchfield County
Co-operative Ass'n., Torrington, Conn.)
Milk Replacer

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

"Bull Brand" Brewers Dried Grains
"Bull Brand" Brewers Dried Grains and Dried Potato Pulp Added

FISH PRODUCTS CO., Fort Miles Rd., Lewes, Del.

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

FISH PRODUCTS CO. of NEW JERSEY, 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., North Main St., Bangor, Pa.

Flory 20% Grower
Flory Horse Feed
Flory 20% Layer
Flory Medicated Stim-U-Lets
Flory Poultry Wormer
Flory Rabbit Pellets
Flory Record 16% Dairy Feed
Flory Scratch 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
Fox Fish Meal

GENERAL FOODS CORP., 180 So. Dearborn Ave., Kankakee, Ill.

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

Ben Hur Wheat Bran
General Mills 44% Protein Solvent (Hexane) Extracted Soybean Oil Meal
General Mills 50% Protein Dehulled Soybean Oil Meal
General Mills Toasted Soybean Millfeed
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., Larro Region, 15800 W. McNichols Rd., Detroit, Mich.

Gold Medal Karmel Grist
Gold Medal Stock Champ
Larro All Purpose Poultry Wormer
Larro Chick Grains
Larro .0032% Dienestrol Diacetate Mix in Special SureBroiler Starter (NCB-AGS) Medicated
Larro .0046% Dienestrol Diacetate Mix in Special SureBroiler Starter (NCB-AGS) Medicated
Larro .0023% Dienestrol Diacetate Mix in SureBroiler Caponette 20 (NCB-AGS) Medicated
Larro .007% Dienestrol Diacetate Mix in SureBroiler Caponette 20 (NCB-AGS) Medicated
Larro .0022% Diethylstilbestrol Mix in SureBeef 50
Larro .0015% 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 SureStart (AGS)
Larro Medicated SureTurk Grower Complete (.0495 ENH)
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 SureBeef 50
Larro SureBroiler 42
Larro SureBroiler 42 (NCB-AGS) Medicated
Larro SureBroiler Caponette 20 (NCB-AGS) Medicated
Larro SureBroiler Finisher
Larro SureBroiler Finisher (NCB-AGS) Medicated
Larro SureBroiler Finisher 23 (NCB-AGS) Medicated
Larro SureBroiler Finisher 41
Larro SureBroiler Finisher 41 (NCB-AGS) Medicated
Larro SureBroiler Starter (NCB-AGS) Medicated
Larro SureBroiler Starter 26 (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 (NCB) Medicated

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

Larro SureChick 38 (NCB) Medicated
 Larro SureDuck
 Larro SureDuckling
 Larro SureFat No. 1
 Larro SureGrow Complete "H-E"
 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 Grower Complete (AGS) Medicated
 Larro SurePork Grower Complete (AGS-HYG) Medicated
 Larro SurePork Super 40
 Larro SurePork Super 40 (AGS) Medicated
 Larro SurePork Super 40 (AGS-HYG) Medicated
 Larro SurePork Super 40 (HYG) Medicated
 Larro SurePoult
 Larro SurePoult 38
 Larro SurePoult (CBS) Medicated
 Larro SurePoult (SQ) Medicated
 Larro SurePoult Pre-Starter (AGS) Medicated
 Larro SurePoult Pre-Starter (CBS) Medicated
 Larro SurePoult Pre-Starter (SQ-AGS) Medicated
 Larro SureRabbit Medicated
 Larro SureRaise
 Larro SureSow 35
 Larro SureTasty 16 Pellets
 Larro SureTurk
 Larro SureTurk (CBS) Medicated
 Larro SureTurk 38
 Larro SureTurk Finisher Complete
 Larro SureTurk Finisher Complete (CBS) Medicated
 Larro SureTurk Fryer Complete (CBS) Medicated
 Larro SureTurk Grower Complete
 Larro SureTurk Grower Complete (CBS) Medicated
 Larro SureVeal
 Larro Turkey SureHatch
 Larro Turkey SureHatch 38
 Larro Turkey SureHatch Complete
 Larro Wormer

Registrations

GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass.

Globpro Brand 60% Protein Fish Meal

GOLDENROD OIL MEAL SALES CO., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal Prime Quality

W. R. GRACE & CO., Grace Chemical Div., 501 Home Federal Bldg.,
 Memphis, Tenn.

Grace Micro Prilled Urea Feed Compound

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

Grandin's 14 Fitting Ration

Grandin's Horse Feed

Grandin's Intermediate Chick Grains

Grandin's Laying Mash

Grandin's 20 Milk Maker

Grandin's Rabbit Pellets

Grandin's Start-To-Finish

Grandin's 18 Test Ration

Grandin's 14% Twin Six Dairy Ration

GRAND ISLAND CITRUS COOPERATIVE, Umatilla, Fla.

Golden Gems Dried Citrus Pulp

Golden Gems Sweet Dried Citrus Pulp

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

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal

HAFFENREFFER & CO., 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 Bulky Mix

Pioneer Bull Feed

Pioneer Calf Starter

Pioneer Dairy Fitting Feed

Pioneer Dairy Production 16

Pioneer Dairy Production 18

Pioneer Dry & Freshening

Pioneer Greeno

Pioneer Hog Finisher

Pioneer Horse Feed

Pioneer Pelleted Flaked 15 Dairy

Pioneer Pig Gro-Pel Medicated

Pioneer Rabbit Pellets

Pioneer Sup-Pel Pellets

Pioneer Sup-R-Flo Dairy Pellets 16

Pioneer Sup-R-Flo Dairy Pellets 18

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

Pioneer Sup-R-Flo Dry & Freshening Dairy Pellets
 Pioneer Vig-R-Calf
 Red Comb Breeder Mash
 Red Comb Broiler Finisher Z3 Medicated
 Red Comb Broiler Starter Z3 Medicated
 Red Comb C Flakes
 Red Comb Chick Starter
 Red Comb Complete Breeder
 Red Comb Complete Grower
 Red Comb Complete Layer
 Red Comb Complete Turkey Grower
 Red Comb Duck Grower
 Red Comb Duck Starter
 Red Comb Egg Mash
 Red Comb Growing Mash
 Red Comb Growing Mash Z Medicated
 Red Comb Medicated Sup-Pel
 Red Comb Pullet Developer
 Red Comb Scratch Feed
 Red Comb Turkey Finisher
 Red Comb Turkey Grower
 Red Comb Turkey Starter

HARPER FEED MILLS, Washington, Pa.

Harco Milk Replacer for Young Calves
 Warren's Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Breeder Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Growing Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Laying Mash & Pellets (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Complete Starting Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's 16% Dairy Ration (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's 20% Laying Mash (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)
 Warren's Test Cow 16% Dairy (Mfd. for Wm. S. Warren & Son, Eastford, Conn.)

HESPENHEIDE & THOMPSON INC., York, Pa.

Premier Scratch Grains

HIGHLAND PRODUCTS, INC., 525 North 4th St., Minneapolis, Minn.

Highland's Hi-Nutra

HOKE OIL & FERTILIZER CO., INC., Raeford, N. C.

HOCO Brand 41% Cottonseed Meal

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

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

H. P. HOOD & SONS, INC., Dunedin, Florida

Hood Citrus Pulp

THE HUBINGER CO., Keokuk, Iowa

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

ILLINOIS CEREAL MILLS, INC., Paris, Ill.

Hominy Feed

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

Dried Beet Pulp

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

Blackhawk Wheat Bran with Ground Mixed Screenings
 Blackhawk Wheat Standard Middlings with Ground Mixed Screenings
 Target Wheat Red Dog

HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat & Bone Meal

KELLOGG SALES CO., Battle Creek, Mich.

Kellogg's Hominy Feed
 Kellogg's Kel-Blend
 Kellogg's Mink Mix
 Kellogg's Mink Ration

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

Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed Oil Meal
 Spencer Kellogg's 44% Protein Soybean Oil Meal Solvent Extracted
 Spencer Kellogg's 50% Protein Dehulled 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 with BHT
 Keystone Super Green Dehydrated Alfalfa Meal with Santoquin in Vegetable Fat Product

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

(See also Vitamin Carriers)

Kaff-A Booster Pellets
 Kaff-A Milk Replacer for Calves Medicated
 Kraco Dried Whole Whey
 Pex Condensed for Poultry
 Pex Self Feeder Block for Broilers
 Pex Self Feeder Block for Layers & Breeders
 Pex Self Feeder Block for Poultry
 Pex Self Feeder Whey Block for Poultry

CHAS. A. KRAUSE MILLING CO., 404 E. State St., Milwaukee, Wis.
Badger Yellow Hominy Feed

KUDER PULP SALES CO., Lake Alfred, Fla.
Kuder Dried Citrus Pulp, High Sugar

LAKE STATE YEAST & CHEMICAL, Div. of Rhinelander Paper Co.,
Rhinelander, Wis.
Dried Torula Yeast

LAUHOFF GRAIN CO., Danville, Ill.
Vermilion Hominy Feed

LAUHOFF SOYA CO., Danville, Ill.
44% Protein Solvent Extracted Soybean Oil Meal

LIBBY, McNEILL & LIBBY, 200 So. Michigan Ave., Chicago, Ill.
Headliner Dried Citrus Pulp

THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.
Libner's Blue Ribbon 12% Fitting Ration
Libner's Blue Ribbon Growing Mash with Cod Liver Oil
Libner's Blue Ribbon Horse & Calf Ration
Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil
Libner's 20% Milk Flow Dairy Ration

L. B. LOVITT & CO., Memphis, Tenn.
"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

MACHNICKI'S GRAIN STORE, Jewett City, Conn.
Machnicki's Hi-Energy All-Mash Layer
Master Made Hi-Calorie Broiler Finisher Medicated

MAINE REDUCTION CO. INC., Brooks, Maine
Poultry By Products Meal

MAK MOR CORP., P.O. Box 123, Clinton, Mass.
Mak Mor Morea ^(R) M-30

THE MANITOBA SUGAR CO., Winnipeg, Manitoba, Canada
(Registered by Mowat, Wilson & Co., Detroit, Mich.)
Dried Beet Pulp
Molasses Dried Beet Pulp

MAPLE LEAF MILLING CO., Ltd., Toronto, Ontario, Canada
(Registered by Wirthmore Feeds Inc., Waltham, Mass.)
Rex Wheat Bran
Rex Wheat Standard Middlings

MARION MILLING CO., Marion, Ohio
Cloverleaf Wheat Middlings & Ground Wheat Screenings

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

B-B 16% Dairy Ration
B-B Green Acres 14%
Ma-Co Complete Breeder Ration Medicated 975-AR
Ma-Co Complete Grower & Layer Ration Medicated 1025-AR
Ma-Co Complete Grower & Layer Ration Medicated 1025-ARZ
Ma-Co Pullet Developer Feed Medicated 1005-ARZ
Ma-Co Wormer Crumbles 980-P
Marmico 16% Protein Dairy Feed
Super Ma-Co Breeder Mash
Super Ma-Co Broiler Finishing Ration Medicated 810-AR-N
Super Ma-Co Broiler Ration Medicated 800-AR-N
Super Ma-Co Complete Breeder Ration Medicated 845-AR
Super Ma-Co Complete Chick Starter Ration Medicated 805-AR
Super Ma-Co Complete Chick Starter Ration Medicated 805-ARZ
Super Ma-Co Complete Growing & Laying Ration 18% Medicated 815-AR
Super Ma-Co Complete Growing & Laying Ration 18% Medicated 815-AR-F
Super Ma-Co Complete Growing & Laying Ration 18% Medicated 815-ARZ
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 Mash Medicated 820-N
Super Ma-Co Medicated Stress-Aid Ration 970-A-2-F
Super Ma-Co Medicated Stress-Aid Ration 970-A-3-F
Super Ma-Co Stress-Aid Ration Medicated 970-A-1

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

Maxon 16% Dairy
Maxon 18% Dairy
Maxon 14% Fitting
Maxon 16% Test
Maxon 18% Test

MCCABE GRAIN CO. LTD., 409 Grain Exchange Bldg., Winnipeg, Canada
Ground Mixed Screenings

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

Master Made Hi-Calorie All Mash Layer 215-03A
Master Mix All Mash Pullet Developer
Master Mix All Mash Pullet Grower 135-21D Medicated
Master Mix All Mash Turkey Grower 421
Master Mix Beef Concentrate
Master Mix Bulky Feed
Master Mix Calflac
Master Mix Calf-Mixer
Master Mix Calf Starter
Master Mix Chick Concentrate 153-21B Medicated
Master Mix Chick Starter 103-21D Medicated
Master Mix Complete Rabbit Pellets
Master Mix Complete Turkey Finisher
Master Mix Dairy Developer Concentrate 651
Master Mix 14% Dairy Feed
Master Mix 16% Dairy Feed
Master Mix 20% Dairy Feed
0.0011% Diethylstilbestrol Mix Inc. in Master Mix Beef Concentrate (37A)
0.0011% Diethylstilbestrol Mix Inc. in Master Mix Beef Concentrate (45A)
Master Mix Egg Concentrate
Master Mix Egglac Pellets

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

Master Mix Egg Mash
 Master Mix Fitting Feed
 Master Mix Flaked Soybean Hulls
 Master Mix Hi-Calorie All Mash Layer
 Master Mix Hi-Calorie Breeder Concentrate
 Master Mix Hi-Calorie Broiler Finisher Concentrate
 Master Mix Hi-Calorie Broiler Starter 307-77L Medicated
 Master Mix Hi-Calorie Broiler Starter Concentrate 351-77M Medicated
 Master Mix Hi-Calorie 17% Egglac Pellets
 Master Mix Hi-Calorie 17% Egglac Pellets (41B) Medicated
 Master Mix 35% Hog Concentrate
 Master Mix Horse Feed
 Master Mix Master Blend Dairy Concentrate
 Master Mix Medicated Biofeed 100 (91A)
 Master Mix Medicated Biofeed 200 (89A)
 Master Mix Prime Finisher 77B Medicated
 Master Mix Sweet 16% Dairy
 Master Mix Sweet Flakes

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
 Quality Brand Complete Grower & Layer
 Red Wing Calf Starter & Grower
 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 Rabbit Pellets
 Red Wing Starting Mash
 Red Wing Stock Feed
 Special Balance Growing Mash
 Special Balance High Efficiency Complete Growing Mash
 Special Balance High Efficiency Complete Laying Mash
 Special Balance Laying Mash
 Special-Balance Needy-Pen Antibiotic Laying Mash

MILLER ALFALFA CO., Mark Center, Defiance, Ohio

Miller's Choice Brand Dehydrated Alfalfa Meal 17%

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

Choice Steam Cooked Hominy Feed

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

Golden Isle Citrus Pulp

MOLSON'S BREWERY, LTD., Montreal, Canada

Molson's Brewers Dried Grains

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

Moon Complete Growing Mash
 Moon Complete Laying Mash
 Moon Dairy Fitting Ration
 Moon Growing Mash
 Moon Hog Feed
 Moon Horse Feed
 Moon Laying Mash
 Moon Rabbit Pellets
 Moon Scratch Feed
 Moon Starter Mash

THE EMORY MORSE CO., Guilford, Conn.

OLD GUILFORD Rabbit Pellets

MOWAT, WILSON & CO., Detroit 35, Mich.

Dried Beet Pulp
 Dried Beet Pulp (Mfd. by Manitoba Sugar Co., Manitoba, Canada)
 Molasses Dried Beet Pulp (Mfd. by Manitoba Sugar Co., Manitoba, Canada)
 Dried Beet Pulp and Feeding Beet Molasses

NAPOLEON ALFALFA MILLS, INC., Napoleon, Ohio

17% Dehydrated Alfalfa Meal, Evergreen Brand

NATIONAL ALFALFA DEHYDRATING & MILLING CO., Lamar, Colo.

Krumbles
 National 20% Dehydrated Alfalfa Meal (Broiler Layer Grade)
 National 15% Protein Dehydrated Alfalfa Meal
 National 17% Protein Dehydrated Alfalfa Meal

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, N. Y.

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

NEW JERSEY FLOUR MILLS CO., 1-11 Chester St., Clifton, N. J.

Clifton Wheat Bran

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

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

NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(See also Vitamin Carriers)
 Hi-Lay Premix Code DDA
 Nopdex "3000"

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

GW Dried Beet Pulp
GW Dried Molasses Beet Pulp

OGDEN GRAIN CO., Utica, N. Y.

Ogden Big "O" Hi-Energy Laying Mash Medicated
Ogden Broiler Finisher Feed Medicated
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 Milk Replacement
Ogden Poultry & Turkey Fitting Ration
Ogden Premium 14% Fitting Ration
Ogden Premium 18% Test Cow Ration
Ogden Rabbit Pellets
Ogden Reliable 16% Dairy Feed
Ogden Reliable 20% Dairy Feed
Ogden Reliable Fitting Feed
Ogden Scratch Grains
Ogden Super Hi-Energy Laying Mash
Ogden Super Pig Ration

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

Pabst Blue Ribbon Brewers Dried Grains
Pabst Yellow Hominy Feed

THE PARK & POLLARD CO., INC., Buffalo 2, N. Y.

Hi-Prime Complete Turkey Finisher
Hi-Prime Complete Turkey Grower Medicated 330-AR
Hi-Prime Complete Turkey Grower Medicated 330-H
Hi-Prime Turkey Starter Medicated 300-AR-S
Hi-Prime Turkey Starter Medicated 300-H
Lay or Bust Complete Breeder
Lay or Bust Complete Chick Starter Medicated 225-ARZ
Lay or Bust Complete Grower & Layer
Lay or Bust Complete Grower & Layer Medicated 230-ARZ
Lay or Bust Growing & Laying Mash
Lay or Bust Growing & Laying Mash Medicated 205-ARZ
Lay or Bust Hi-Valu Pellets
Medicated Lay or Bust D-Wormer Crumbles 165-P
Milk-Maid Calf Starter
Milk-Maid 16% Dairy Ration
Milk-Maid 18% Dairy Ration
Milk-Maid 20% Dairy Ration
Milk-Maid Dri-Fresh Fitting Ration
Milk-Maid Milk Replacer
Milk-Maid 14% Test Ration
Milk-Maid 18% Test Ration
Park & Pollard Go-Tu-It Pig Grower

THE PARK & POLLARD CO., INC., Buffalo 2, N. Y. - Cont.

Park & Pollard Go-Tu-It Pig Grower Medicated 560-AR
Park & Pollard Go-Tu-It Pig Starter Medicated 555-AR
Park & Pollard Hi-Speed Horse Feed
Park & Pollard Rabbit Pellets
Red Ribbon 16% Dairy Ration
Super Hi-Power Broiler Finisher Medicated 125-AR-N
Super Hi-Power 24% Broiler Ration Medicated 120-AR-N
Super Lay or Bust All-Mash Breeder Medicated 140-AR
Super Lay or Bust All-Mash Grower & Layer Medicated 130-AR
Super Lay or Bust All-Mash Grower & Layer Medicated 130-ARZ
Super Lay or Bust Chick Starter Medicated 100-ARZ
Super Lay or Bust Egg Mash
Super Lay or Bust Growing Feed
Super Lay or Bust Growing Feed Medicated 105-ARZ

PASCO PACKING CO., Dade City, Fla.

OMIO Citrus Pulp
Sugar Sweet Citrus Pulp

PATENT CEREALS CO., Geneva, N. Y.

Hominy Feed

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

Douglas Corn Gluten Meal
21% Douglas Corn Gluten Feed

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

Pennsylvania Meat & Bone Scraps

THE PHILADELPHIA SEED CO., INC., Philadelphia 5, Pa.

Pigeonets by PURGRAIN

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

Pierce Complete Breeder
Pierce Complete Layer
Pierce 22% Layer

THE PILLSBURY CO., Minneapolis, Minn.

Pillsbury's XX Daisy
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

PILLSBURY of CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

PITTSBURGH PLATE GLASS CO., Red Wing, Minn.

Red Wing 34% Protein Solvent Extracted Linseed Oil Meal

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

Ful-O-Pep Calf Ration
 Ful-O-Pep Calf Starter
 Ful-O-Pep Chick Starter
 Ful-O-Pep Chick Starter (Q2)
 Ful-O-Pep Derwood Horse Crunch
 Ful-O-Pep Egg Breeder Mash
 Ful-O-Pep Egg Breeder Ration
 Ful-O-Pep Egg Ration
 Ful-O-Pep Goat Feed
 Ful-O-Pep Gro-Pork (280K)
 Ful-O-Pep Growing Mash
 Ful-O-Pep Growing Mash (Q3)
 Ful-O-Pep Growing Ration
 Ful-O-Pep Growing Ration (Q1)
 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 Super Greens Pellets (C2D1)
 Ful-O-Pep Milking Feed
 Ful-O-Pep Pig-N-Sow Ration
 Ful-O-Pep Pig Starter (KP)
 Ful-O-Pep Poultry Wormer
 Ful-O-Pep Pullet Developer
 Ful-O-Pep Pullet Developer (Q1)
 Ful-O-Pep Rabbit Ration (C4)
 Ful-O-Pep Scratch Grains
 Ful-O-Pep Super Egg Breeder Ration (A)
 Ful-O-Pep Super Greens Pellets
 Ful-O-Pep Super Laying Ration (A)
 Ful-O-Pep Sweet 20 Dairy Feed
 Muffets Shredded Wheat Feed
 Quaker Sugared Schumacher Feed
 Vim Oat Mill By-Product
 Yellow Hominy Feed

QUAKER OATS CO. of CANADA LTD., Peterborough, Ontario, Canada

Bell Cow Wheat Bran

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

Checkerboard Pasture Ration
 Corn & Oat Provender
 Dairy Premix 36%
 Northeastern Scratch Feed
 Northeastern Scratch Feed (For Pullets)
 36% Protein Cottonseed Meal
 41% Protein 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 Layena (Complete Ration) E
 Purina Broiler Chow Medicated
 Purina Broiler Chow 3 NC Medicated
 Purina Broiler Chow UN Medicated
 Purina Broiler Chow Finisher E Medicated
 Purina Broiler Chow Finisher (E) AB Medicated
 Purina Broiler Chow Finisher (E) AB BF Medicated

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

Purina Broiler Chow Finisher (E) AB NC Medicated
 Purina Broiler Chow Finisher (E) 3 NC Medicated
 Purina Broiler Chow Finisher (E) NON
 Purina Broiler Chow Finisher (E) UN Medicated
 Purina Broiler Chow Starter E Medicated
 Purina Broiler Chow Starter (E) AB BF Medicated
 Purina Broiler Chow Starter (E) AB NC Medicated
 Purina Broiler Chow Starter (E) 3 NC Medicated
 Purina Broiler Chow Starter (E) UN Medicated
 Purina Broiler Fattener E
 Purina Bulky Las
 Purina Calf Startena
 Purina Capena 3 NC Medicated
 Purina Capena UN Medicated
 Purina Chick Chow (Coarse)
 Purina Chick Chow (Fine)
 Purina Chicken Fatena Checkers E
 Purina Chick Growena
 Purina Chick Growena NC Medicated
 Purina Chick Growena UN Medicated
 Purina Chick Growing Chow
 Purina Chick Startena Medicated
 Purina Chick Startena NC Medicated
 Purina Complete Sow Chow
 Purina Cow Chow Concentrate
 Purina Cow Chow D 16%
 Purina Cow Chow D 20%
 Purina Cow Chow Supplement
 Purina D & F Chow
 Purina D & F Chow (Coarse)
 Purina Dairy Chow L 16%
 Purina Dienestrol Diacetate in Purina Broiler Chow Finisher E Medicated
 Purina Dienestrol Diacetate Mixture in Purina Broiler Chow Finisher (E) BF Medicated
 Purina Dienestrol Diacetate Mixture in Purina Roaster Chow (E) BF Medicated
 Purina Dienestrol Diacetate Mixture in Purina Roaster Chow (E) NC Medicated
 Purina .0011% Diethylstilbestrol Mix in Purina Special Steer Fatena 32%
 Purina Duck Breeder Layena
 Purina Duck Growena
 Purina Egg Chow
 Purina Eggena
 Purina Fitting Ration
 Purina Fox Chow
 Purina Fox Chow (Without Meat Meal)
 Purina Game Bird Breeder Layena (Complete Ration)
 Purina Game Bird Growena
 Purina Game Bird Startena
 Purina Goat Chow
 Purina Goat Chow (Special)
 Purina Guinea Pig Chow
 Purina Hog Fatena Medicated
 Purina Hog Finisher No. 1 Medicated
 Purina Lamb Creep Chow
 Purina Lay Chow E
 Purina Layena (Complete Ration) E
 Purina Meat Pullet Fattening Chow BF Medicated

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

Purina Meat Pullet Fattening Chow NC Medicated
 Purina Medicated Chek-R-Aid
 Purina Medicated D & F Chow D
 Purina Medicated D & F Chow D (Coarse)
 Purina Medicated Mix-R-Mycin
 Purina Medicated Poultry Aid
 Purina Milk Chow D 16%
 Purina Milk Chow D 16% (Coarse)
 Purina Milk Chow D 20%
 Purina Milk Chow D 20% (Coarse)
 Purina Mink Breeder Chow
 Purina Mink Developer Chow
 Purina Nursing Chow
 Purina OF Broiler Chow Finisher V Medicated
 Purina OF Broiler Chow Finisher (V) AB Medicated
 Purina OF Broiler Chow Finisher (V) AB BF Medicated
 Purina OF Broiler Chow Finisher (V) 3 NC Medicated
 Purina OF Broiler Chow Finisher (V) UN Medicated
 Purina OF Broiler Chow Starter V Medicated
 Purina OF Broiler Chow Starter (V) AB BF Medicated
 Purina OF Broiler Chow Starter (V) 3 NC Medicated
 Purina OF Broiler Chow Starter (V) UN Medicated
 Purina Omolene
 Purina Pigeon Chow Checkers
 Purina Pig-Plus Medicated
 Purina Pig Startena Medicated
 Purina Poultry Booster Chow
 Purina Poultry Wormer
 Purina Pullet Developer
 Purina Pullet Developer NC Medicated
 Purina Pullet Developer UN 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 SQ (Complete Ration) Medicated
 Purina Rabbit Chow Checkers WO
 Purina Range Checkers
 Purina Roaster Chow E
 Purina Roaster Chow (E) NC Medicated
 Purina Roaster Chow (E) UN Medicated
 Purina Rolled Oats (Steam Cooked)
 Purina Special Steer Fatena 32%
 Purina Squab Broiler Chow 3 NC Medicated
 Purina Squab Broiler Chow UN Medicated
 Purina Super Breeder Layena (Complete Ration)
 Purina Super Layena (Complete Ration)
 Purina Turkey Breeder Layena
 Purina Turkey Breeder Layena HZ Medicated
 Purina Turkey Broiler Finisher
 Purina Turkey Fatena
 Purina Turkey Fatena HZ Medicated
 Purina Turkey Fatena SQ Medicated
 Purina Turkey Finisher No. 1
 Purina Turkey Finisher No. 1 HZ Medicated
 Purina Turkey Finisher No. 2
 Purina Turkey Finisher No. 2 HZ Medicated
 Purina Turkey Growena No. 1
 Purina Turkey Growena No. 1 HZ Medicated
 Purina Turkey Growena No. 1 SQ Medicated

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

Purina Turkey Growena No. 2
 Purina Turkey Growena No. 2 HZ Medicated
 Purina Turkey Growena No. 2 SQ Medicated
 Purina Turkey Pre-Starter
 Purina Turkey Startena
 Purina Turkey Startena HZ Medicated
 Purina Turkey Startena SQ Medicated

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

Faramel All Mash Grower
 Faramel All Mash Layer
 Faramel Rabbit Food Pellets

RUSSELL-MILLER MILLING CO., 860 Grain Exchange, Minneapolis, 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%

SALADA SHIRRIFF HORSEY, INC., W. Haines St., Plant City, Fla.

Horsey Brand Dried Citrus Pulp

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

Wolf's Broiler Finisher Medicated
 Wolf's Calf Starter
 Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
 Wolf's Complete Hi-Eff Growing Mash
 Wolf's Complete Hi-Eff Growing Mash Medicated
 Wolf's Complete Hi-Eff Profit Builder Medicated
 Wolf's Complete Hi-Eff Profit Builder Medicated AR SQ
 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 Super Hi-Eff Starter & Broiler Ration Medicated
 Wolf's Sweetened 14% Dairy Ration
 Wolf's Sweetened 16% Dairy Ration
 Wolf's Sweetened 18% Dairy Ration
 Wolf's Sweetened 20% Dairy Ration
 Wolf's Test Cow 12% Dairy Ration
 Wolf's Test Cow 16% Dairy Ration

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

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

SCHOENECK FARMS, INC., Nazareth, Pa.

Schoeneck's Super-Green Dehydrated Alfalfa Meal

SEACOAST PRODUCTS CO., Lewes, Del.

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

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

Unity Broiler Maker Medicated
 Unity Broiler Starter Medicated
 Unity Bulky Mix Ration
 Unity Dairy & Fitting Ration
 Unity 16% Dairy Ration
 Unity Growing & Laying Mash
 Unity High Energy Laying Mash
 Unity Medicated Hen-Biotic
 Unity Pig & Hog Ration
 Unity Roaster Maker Pellets Medicated
 Unity Super Starter Medicated
 Unity Trim Medicated
 Unity Turkey & Game Bird Growing Mash

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

Superior Cow Brand Dried Brewers Grains

GEORGE URBAN MILLING CO., Buffalo, N. Y.

Registered by The Park & Pollard Co., Buffalo, N. Y.
 Wheat Standard Middlings

VEGE FAT, INC., P. O. Box 254, Dupon, Ill.

VegeFat

HIRAM WALKER & SONS, INC., Peoria, Ill.

Corn Distillers' Dried Grains with Solubles

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

Watertown Co-op 16% Dairy

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

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 All-Mash Pullet Framer
 Blue Seal All-Mash Pullet Framer Medicated
 Blue Seal A-5-4 Broiler 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 "30" Dairy Concentrate
 Blue Seal Economizer "16" Dairy Ration
 Blue Seal Egg Mash
 Blue Seal Fat & Finish Ration Medicated
 Blue Seal Fat & Finish Ration Medicated 129
 Blue Seal A-5-4 Finisher Medicated
 Blue Seal Fitting Ration
 Blue Seal Flaked 15
 Blue Seal Growing Mash
 Blue Seal Horse Feed
 Blue Seal Medicated Chick Booster

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

Blue Seal Medicated CW-Mix
 Blue Seal Medicated NF-Mix
 Blue Seal Medicated ORO-Mix
 Blue Seal Medicated SQ-Mix
 Blue Seal Pig Feed
 Blue Seal Pig Feed Medicated
 Blue Seal Poultry & Turkey Fitting
 Blue Seal Poultry Wormer
 Blue Seal Producer's Grow & Lay
 Blue Seal Rabbit Pellets
 Blue Seal Rabbit Pellets Medicated
 Blue Seal Standard 16 Dairy Ration
 Blue Seal Standard 20 Dairy Ration
 Blue Seal Standard "14" Fitting Ration
 Blue Seal Succulent Feed & Calving Ration
 Blue Seal Super Breeder's Mash
 Blue Seal Sweet Sixteen
 Blue Seal Test Ration
 Blue Seal Turkey Growing
 Sheppard's All-Mash Grow & Lay

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

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

WEST-NESBITT, INC., Oneonta, N. Y.

All Pure Milk Ration
 Cream-Line 16% Dairy Ration
 Cream-Line Dairy-Test Ration
 Pure Feed Broiler Starter Medicated
 Pure Feed Calf Grower
 Pure Feed Complete Grower
 Pure Feed Complete Layer-Breeder
 Pure Feed Complete Rabbit Pellets
 Pure Feed 16% 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
 West-Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Conn.

Special Dairy Mixture No. 3

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)
 Flav-A-Dee

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

Washington Coarse Scratch Feed
Washington Laying Mash

WILSON'S CORN PRODUCTS, INC., East 4th St., Rochester, Ind.

Wilson's Hominy Feed

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE, Winter Garden, Fla.

Wholesun Dried Citrus Pulp

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

Big W 16% Dairy Feed
Big W 20% Dairy Feed
Big W Silage Preservative
Dienestrol Diacetate, Nicarbazine, Sodium Arsanilate Mixture in
Wirthmore Finisher 424
O. P. M. Scratch
Wirthmore All Pellet 14% Dairy Feed
Wirthmore All Pellet 16% Dairy Feed
Wirthmore All Pellet 20% Dairy Feed
Wirthmore Baby Chick Scratch
Wirthmore Breeder Mash
Wirthmore Broiler Starter 407 Medicated
Wirthmore Broiler Starter 410 Medicated
Wirthmore Cage Layer Ration Medicated
Wirthmore Calf Starter Meal
Wirthmore Calving Feed
Wirthmore Chick Starter
Wirthmore Chick Starter 400 Medicated
Wirthmore Chick Starter 401 Medicated
Wirthmore Chick Starter 408 Medicated
Wirthmore Chick Starter 417 Medicated
Wirthmore Coarse Test Dairy Feed
Wirthmore Coccidiosis Treatment Ration 411 Medicated
Wirthmore Commercial Grower Layer
Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Medicated
Wirthmore Commercial High Calorie Broiler Starter 610 Medicated
Wirthmore Complete Breeder-Layer A
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 14 Dairy Feed
Wirthmore 16 Dairy Feed
Wirthmore 20 Dairy Feed
Wirthmore 16 Dairy Fine Feed
Wirthmore 20 Dairy Fine Feed
Wirthmore 14 Dairy Fitting Feed
Wirthmore 36% Dairy Mixing Feed
Wirthmore 16 Dairy Record Feed
Wirthmore 18 Dairy Record Feed
Wirthmore 30 Dairy Supplement
Wirthmore 32 Dairy Supplement

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

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 Hi-Ener-G 16
Wirthmore Hi-Ener-G 16 456 Medicated
Wirthmore Hi-Ener-G 16 Medicated ARSAN
Wirthmore Hi-Ener-G Breeder
Wirthmore Hi-Ener-G Breeder Medicated ARSAN
Wirthmore Hog Grower
Wirthmore Horse Feed
Wirthmore Improved Hi-Ener-G Broiler Ration 404 Medicated
Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated
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
Wirthmore Medicated Treat
Wirthmore Medicated Turk-E-Perk
Wirthmore Mink Food
Wirthmore New Hope Horse Feed
Wirthmore Pig & Sow Feed
Wirthmore Pig & Sow Feed 520 Medicated
Wirthmore 36% Poultry Concentrate
Wirthmore Poultry Fitting
Wirthmore Poultry Flush
Wirthmore Poultry Wormer
Wirthmore Rabbit Pellets
Wirthmore 14 Record Fitting Feed
Wirthmore Roaster Finisher 425 Medicated
Wirthmore Roaster Finisher 426 Medicated
Wirthmore Scratch
Wirthmore Stock Primer
Wirthmore Super Layer Ration 458 Medicated
Wirthmore Super Pellets
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 STORE, 560 Grand Ave., New Haven, Conn.

Davis 16% Dairy Ration
Davis Horse Feed

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

(See also Vitamin Carriers)

Big Y Breeder Mash
Big Y Calf & Beef Ration

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

Big Y Calf Starter & Builder
 Big Y Calving Ration
 Big Y Chick Scratch Grain
 Big Y Chlortetracycline (Aureomycin) Mixture
 Big Y Confinement Growing Mash
 Big Y Confinement Growing Mash with Megasul Nitrophenide
 Big Y Controlled Growing Ration
 Big Y Dairy & Fitting Ration
 Big Y Dairy Ration 16%
 Big Y 18% Dairy Ration
 Big Y 20% Dairy Ration
 Big Y Dairy Ration Purity
 Big Y 32% Dairy Supplement Feed
 Big Y Egg Maker
 Big Y Extra Production Laying Mash
 Big Y Fitting Ration
 Big Y Grower-Layer Mash
 Big Y Hi-Efficiency Breeder Ration
 Big Y Hi-Efficiency Laying Mash
 Big Y High Efficiency Grower
 Big Y High Efficiency Grower Medicated Nicarbazin & Arsanilic Acid
 Big Y High Efficiency Grower Medicated Sulfaquinoxaline
 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 Broiler Finisher with Nicarbazin
 Big Y Improved Broiler & Starter Ration with Nicarbazin
 Big Y Improved Finisher
 Big Y Improved Turkey Starter & Game Bird Feed
 Big Y Improved Turkey Starter & Game Bird Feed with Sulfaquinoxaline
 Big Y Intermediate Chick Grain
 Big Y 20% Laying Mash
 Big Y M & O Growing Feed
 Big Y Peerless Broiler & Starter Ration with Nicarbazin
 Big Y Poultry Fitting Ration
 Big Y Powerhouse Crumbles Medicated
 Big Y Pre-Starter Medicated
 Big Y Rabbit Pellets
 Big Y Scratch Feed
 Big Y Sheep & Goat Feed
 Big Y Station Fattener Pellets
 Big Y Stock Feed
 Big Y Starter Ration with Nicarbazin & Arsanilic Acid
 Big Y Super Starter Ration with Sulfaquinoxaline
 Big Y Supreme Laying Mash
 Big Y Test Cow Ration
 Big Y Turkey Fattener
 Big Y Turkey Fattener with 4-Nitrophenylarsonic Acid
 Big Y Turkey Grower with 4-Nitrophenylarsonic Acid
 Big Y Turkey Growing Feed
 Big Y Worming Mash

YIELDMOR FEEDS, INC., Piqua, Ohio

David Small's Broiler Feed Medicated
 David Small's Finishing Feed Medicated
 David Small's Growing Mash
 David Small's High Efficiency All Mash Breeder Medicated

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

Yieldmor Broiler Booster Medicated M-24
 Yieldmor 20% Caponette Feed F-20 Medicated
 Yieldmor Hi-Energy Layer-Grower Mash C-21
 Yieldmor 24% Super Broiler Medicated B-38
 Yieldmor 24% Super Broiler Medicated B-44
 Yieldmor 24% Super Broiler Medicated B-125
 Yieldmor 24% Super Broiler Medicated B-200
 Yieldmor 20% Super Finisher Medicated F-40
 Yieldmor 20% Super Finisher Medicated F-125
 Yieldmor 20% Super Finisher Medicated F-725

MEYER ZAUSNER INC., New Holland, Pa.

Zausner Condensed WholeWhey

VITAMIN CARRIERS

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

(See also Feeds)

Pantothenic Acid (PA-45)
 Profactor 6 Vitamin B₁₂
 Profactor 10

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

(See also Feeds)

Chemo Nutrient Premix MGS-3

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

(See also Feeds)

Dawe's Fermentation Flavonne
 Dawe's Vitamelk (Ruminant Type)
 Premix No. 1
 Premix No. 2
 Premix No. 111
 Special Broiler Mix No. 571-D

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

(See also Feeds)

Calfsaver Tablets

THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, Calif.

Custom High Energy Pre-Mix

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
 Vitamin 2-4-9-C Supplement

PETER HAND FOUNDATION, 1000 North Ave., Chicago, Ill.

Custom W. M. Plain Premix No. 2717
 Custom Roaster Premix No. 2634

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

(See also Feeds)

Kaff-A Booster Pellets
Kaff-A Milk Replacer for Calves Medicated
Pex Condensed for Poultry
Pex Self Feeder Block for Broilers
Pex Self Feeder Block for Layers & Breeders
Pex Self Feeder Block for Poultry

MARINE PRODUCTS CO., 333 West First St., Boston, Mass.

Vitamin A & D Feeding Oil

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

No. 752 Feed Supplement
No. 812 Feed Supplement Improved Premix Medicated
Glycamide 12%
FM659 - No. 659 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, Minn.

Calvita Calf Formula

NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.

(See also Feeds)

Hi-Lay Premix Code DDA
Mix No. 3 - Starter Premix Code DTL
Nopdex "3000" Source of Vitamin D₃
Super Premix Code DMW

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

6+ Vitamin B₁₂ Supplement
Derby Feeds Poultry Mix
High Lay Premix
R-4

STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N. J.

Perma-D-1500
Perma-D-15,000
Perma-Mix C. C. C. No. 1
Perma-Mix C. C. C. No. 2
Perma-Mix C. C. C. No. 3
Perma-Mix C. C. C. No. 4

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

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

VITARON CHEMICAL MFG. CO., INC., 142 Monroe St., Garfield, N. J.

Vitamin A & D Feeding Oil

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Flav-A-Dee
Whitcod Pure Cod Liver Oil USP Non Destearinated

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

(See also Feeds)

Big Y Vitamin A & D Feeding Oil

SUMMARY OF INSPECTION

In the calendar year 1959, a total of 1,535 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	162
Check feeds, A. A. F. C. O.	16
Commercial feeding stuffs, official samples	727
Miscellaneous feeds, etc., analyzed for purchasers	154
Pasture grass, etc., samples for Storrs Station	412
Vitamin carriers	64
	<hr/> 1,535

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 Stuff

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

Total number of samples	727
Samples deficient in:	
one item	77
two items	18
four items	1
four items	96
Percentage of samples meeting guaranties	87
Total guaranties made	2,374 ²
Guaranties not met:	
protein	30
fat	42
fiber	8
arsanilic acid	10
furazolidone	1
nicarbazin	6
nitrofurazone-furazolidone	1
3-nitro-4-hydroxyphenylarsonic acid	5
4-nitrophenylarsonic acid	1
phenothiazine	1
sulfaquinoxaline	6
	111
Percentage of guaranties met	95

The proportion of samples meeting all guaranties was half way between the 84 per cent found in 1957 and the 90 per cent of 1958. The overall percentage of satisfactory guaranties has remained substantially constant (between 95 and 96) since 1955.

As was the case last year, one sample of Clyde R. S. 10 (Sample 7353) was found to contain 6 parts per million of DDT and 29 p. p. m.

² Seven samples with six guaranties, 42 with five guaranties, 88 with four guaranties, and 590 with three guaranties (guaranties for antibiotics and other undetermined medicants not included).

of lead derived from its apple pomace constituent; this product was not therefore suitable as a feed for dairy cattle. Two samples of dried apple pomace from the same manufacturer (7352 and 7353) averaged 49 p. p. m. of DDT and 43 p. p. m. of lead.

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

Vitamin Carriers

Forty-nine samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old White Leghorn chicks for poultry feed supplements and white rats of the Osborne-Mendel strain for supplements for four-footed animals. Twenty-six of these samples guaranteed one to three additional vitamins (niacin, riboflavin plus 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 15 samples which either bore no vitamin D guaranty or were not assayed for this vitamin. Of these, nine were sold as sources of niacin, pantothenic acid and riboflavin and two as sources of niacin, pantothenic acid, riboflavin and thiamine, while one sample each bore claims for: Niacin; niacin plus riboflavin; niacin, riboflavin and thiamine; and riboflavin only.

All except one of the vitamin D samples met their guaranties for this vitamin or came sufficiently close thereto to be passed. This 98 per cent passing ratio had never been reached before last year, when all samples passed. During the entire 23-year period from 1937 to 1959 inclusive that such vitamin D assays have been run, 1233 samples have been examined, of which 1,126, or 91 per cent, have been passed.

On the basis of a \pm 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
Niacin, pantothenic acid, riboflavin and thiamine	1
Niacin, pantothenic acid and riboflavin	3
Niacin, riboflavin and thiamine	1
Niacin and pantothenic acid	1
Niacin and riboflavin	1
Niacin and thiamine	1
Pantothenic acid and riboflavin	1
Niacin	1
Pantothenic acid	2
Riboflavin	1
	<hr/> 13

Of the total of 64 samples, 50, or 78 per cent, met all guaranties; this was a decided improvement over the 62 per cent of satisfactory samples found last year. One hundred and thirty-seven of the total of 166 guaranties, or 83 per cent, were met.

Miscellaneous Feeds

One hundred and fifty-four unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and purchasers, the Federal Correctional Institution at Danbury, the State Supervisor of Purchases and the Food and Drug Commission, as well as samples of hay and silage whose analysis was requested by farmers. Ten feed samples were tested for the Federal Correctional Institution, eight for the Supervisor of Purchases and seven for the Food and Drug Commission.

Four commercial mixed feeds were too high or too low in drug content or otherwise deficient:

7155. Eastern Connecticut Grain Associates Broiler Finisher Mash. Delaware Mills, Inc., Deposit, N. Y. Arsanilic acid, per cent: Guaranteed, 0.005; found, 0.0088.

7434. Purina Breeder Layena (Complete Ration) E. Ralston Purina Co., St. Louis, Mo. Protein, per cent: Guaranteed, 16.50; found, 14.75.

7043. Purina Rabbit Chow Checkers (20%), Special Mix for Albert Bartizek. Ralston Purina Co., St. Louis, Mo. Sulfaquinoline, per cent: Guaranteed, 0.025; found, 0.0182.

9558. Wirthmore Complete Turkey Fattening Ration 443, Pellets. Wirthmore Feeds, Inc., Waltham, Mass. 4-Nitrophenylarsonic acid, per cent: Guaranteed, 0.025; found, 0.0355.

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 except 12 of these samples.

Six of the 12 samples containing toxic or objectionable ingredients comprised a group of three silages, two samples of Sudan grass and one of hay that gave positive tests for cyanide. It is known that under certain growing conditions Sudan grass may accumulate enough of a cyanogenetic glucoside to become hazardous, and the evidence was pretty conclusive that the samples examined by us had caused the deaths of one or more cows. The two samples of Sudan grass that were analyzed quantitatively for cyanide showed 4 and 8 parts per million respectively of hydrocyanic acid. However, two other samples of grass from the same field (of which only one gave a positive test for cyanide) contained nitrate equivalent to 1.91 and 3.65 per cent of potassium nitrate (dry basis), so it is possible that nitrate rather than cyanide poisoning was the chief cause of death.

The other six samples found to contain toxic or deleterious ingredients were the following:

7906. Apple Pomace. V. Tenedine & Sons, Inc., North Haven, Conn. DDT, 16 parts per million.

9800. Corn Silage. William Wenzel, North Haven, Conn. DDT, 6 parts per million.

7749. Green Vegetables. Hoyt E. Baum, West Haven, Conn. Contaminated with sodium nitrite.

8058. Grit. Sam Panciera, Stafford Springs, Conn. Analysis showed that this grit, which had caused the deaths of 21 pigeons, contained 17.48 per cent of salt.

7181. Meat Balls. Antonio Napoli, Dog Warden, Waterbury, Conn. Dried lima beans impregnated with yellow phosphorus had been inserted into these meat balls. This was undoubtedly a case of malicious poisoning.

8382. Whitewash. Augur's Turkey Farm, Northford, Conn. DDT, 460 parts per million.

Biological Specimens Examined for Poisons

One hundred and sixty-two biological specimens were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 71 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: Arsenic (1), arsenic with cyanide and lead (2), arsenic with lead (3), ball of yarn (1), barium (2), barium with chromium and lead (1), beryllium (11), chlordane (1), chromium (1), chromium with mercury (1), copper (3), crayon (1), cyanide (2), DDT (5), endrin (6), hexachlorophene (1), lead (12), lead with thallium (1), lead with zinc (1), mercury (8), salt (2), strychnine (2) and thallium (3). Only one of the 11 beryllium samples represented a case of animal poisoning; the others were air filter mats submitted by the Bureau of Industrial Hygiene of the State Department of Health in connection with factory inspections. As usual, the predominant poison was lead, with 15 cases.

The six endrin cases consisted of five field mice and one rabbit picked up by the State Board of Fisheries and Game from orchards that had been treated with this pesticide for the control of field mice; the endrin contents of the mice averaged 3 parts per million, while the rabbit viscera contained more than 20 p.p.m.

Four of the five cases of DDT poisoning were those of birds, whose viscera contained between 2 and 38 parts per million of this pesticide. The fifth sample comprised earthworms from the New Haven Green; analysis showed 56 p.p.m. of DDT and 14 p.p.m. of DDE.

The four samples containing thallium were submitted by Larry Polacheck, M. D., of the Grace-New Haven Community Hospital in New Haven, and involved two small children who had eaten the blue-dyed whole Spanish peanuts impregnated with one per cent of thallium sulphate that are sold under the name of "Mo-Go" by O. E. Linck Co., Inc., Clifton, N. J. In the case of one child (a boy) the urine contained 4.6 parts per million of thallium and the hair and nails 0.4 microgram of this element on October 22, while by November 18 the thallium content had gone down to 0.8 p.p.m. The urine of the other child (a girl) contained 0.5 p.p.m. of thallium on October 27.

The two strychnine cases both involved dogs, whose stomach contents contained respectively 92 and 2,000 parts per million of this alkaloid. Of the three cases of copper poisoning, one was a

calf whose stomach contents were colored green with 100 parts per million of this element, while the other two were white swans whose livers also contained 100 p.p.m. One of the salt-poisoning cases involved a duck, whose liver was found to contain 1.15 per cent of sodium chloride. The cases in which the ball of cotton yarn, crayons and hexachlorophene (in "Dial" soap) were involved were all those of dogs.

Check Feeds

Thirteen feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and three samples of alfalfa were assayed for carotene in a program also sponsored by that association.

Sample No.	Feed Name	Carotene (ppm)	Other Data
1001	Wagon Brand Alfalfa	12.5	
1002	Wagon Brand Alfalfa	12.5	
1003	Wagon Brand Alfalfa	12.5	
1004	Wagon Brand Alfalfa	12.5	
1005	Wagon Brand Alfalfa	12.5	
1006	Wagon Brand Alfalfa	12.5	
1007	Wagon Brand Alfalfa	12.5	
1008	Wagon Brand Alfalfa	12.5	
1009	Wagon Brand Alfalfa	12.5	
1010	Wagon Brand Alfalfa	12.5	
1011	Wagon Brand Alfalfa	12.5	
1012	Wagon Brand Alfalfa	12.5	
1013	Wagon Brand Alfalfa	12.5	
1014	Wagon Brand Alfalfa	12.5	
1015	Wagon Brand Alfalfa	12.5	
1016	Wagon Brand Alfalfa	12.5	
1017	Wagon Brand Alfalfa	12.5	
1018	Wagon Brand Alfalfa	12.5	
1019	Wagon Brand Alfalfa	12.5	
1020	Wagon Brand Alfalfa	12.5	
1021	Wagon Brand Alfalfa	12.5	
1022	Wagon Brand Alfalfa	12.5	
1023	Wagon Brand Alfalfa	12.5	
1024	Wagon Brand Alfalfa	12.5	
1025	Wagon Brand Alfalfa	12.5	
1026	Wagon Brand Alfalfa	12.5	
1027	Wagon Brand Alfalfa	12.5	
1028	Wagon Brand Alfalfa	12.5	
1029	Wagon Brand Alfalfa	12.5	
1030	Wagon Brand Alfalfa	12.5	
1031	Wagon Brand Alfalfa	12.5	
1032	Wagon Brand Alfalfa	12.5	
1033	Wagon Brand Alfalfa	12.5	
1034	Wagon Brand Alfalfa	12.5	
1035	Wagon Brand Alfalfa	12.5	
1036	Wagon Brand Alfalfa	12.5	
1037	Wagon Brand Alfalfa	12.5	
1038	Wagon Brand Alfalfa	12.5	
1039	Wagon Brand Alfalfa	12.5	
1040	Wagon Brand Alfalfa	12.5	
1041	Wagon Brand Alfalfa	12.5	
1042	Wagon Brand Alfalfa	12.5	
1043	Wagon Brand Alfalfa	12.5	
1044	Wagon Brand Alfalfa	12.5	
1045	Wagon Brand Alfalfa	12.5	
1046	Wagon Brand Alfalfa	12.5	
1047	Wagon Brand Alfalfa	12.5	
1048	Wagon Brand Alfalfa	12.5	
1049	Wagon Brand Alfalfa	12.5	
1050	Wagon Brand Alfalfa	12.5	

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.			
8749	Acme Wheat Bran	12.22	14.00	17.00
8724	Acme Wheat Standard Middlings with Screenings	13.07	14.00	16.00
9326	Acme Yellow Hominy Feed	11.07	9.00	10.13
	ALBERS MILLING CO. Los Angeles, Calif.			
9241	Albers Calf Manna	9.55	25.00	26.50
9560	Albers Rabbit Breeder Ration	8.81	15.00	16.13
9566	Albers Rabbit Family Ration	9.66	18.00	21.13
9565	Albers Suckle	6.61	24.00	28.13
	ALBION ALFALFA MILL, INC. Albion, Nebr.			
9161	Beaver Brand Dehydrated Alfalfa Meal	9.39	17.00	<u>16.13</u>
	ALLIED MILLS, INC. Chicago, Ill.			
8899	Egg Producer "E"	11.31	20.00	22.00
8898	Sucrene 16% Dairy "P"	11.07	16.00	17.88
9433	Wayne Calfnip	6.71	23.00	23.88
9431	Wayne Calf Starter "A"	11.19	16.00	18.13
9639	Wayne Chick Feed	13.05	9.00	9.25
9880	Wayne Complete Egg Medicated	10.72	16.00	19.00
9240	Wayne 16% Dairy	10.04	16.00	18.25
9699	Wayne Egg Medicated	10.59	22.00	24.25
8897	Wayne Fitting Ration	12.32	14.00	15.00
9879	Wayne Hog Finisher Medicated	10.42	12.00	14.63
8896	Wayne Horse Feed	12.52	9.00	10.50
9621	Wayne Mink Meal	9.23	20.00	23.25
9622	Wayne Pigeon Feed	7.26	12.00	13.75
8903	Wayne Rabbit Ration	11.02	17.00	19.75
9239	Wayne Scratch Feed	12.63	9.00	9.38
9432	Wayne Scratch Feed	12.21	9.00	10.13

 indicates deficiencies.

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Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	4.94	9.50	6.91	
3.00	4.52	9.50	3.62	
7.00	7.33	6.00	3.76	
3.50	3.83	5.50	4.77	
2.00	2.21	22.00	20.58	
2.50	2.53	16.00	13.73	
5.00	5.13	0.50	0.46	
3.50	<u>2.67</u>	27.00	26.83	
4.00	4.68	7.00	5.82	
2.50	3.83	15.00	9.01	
0.50	0.52	0.25	0.06	
3.00	3.35	7.50	5.72	
2.00	2.31	4.00	1.00	
3.50	3.35	4.50	4.19	Arsanilic acid: Guar., 0.010%; found, 0.012%.
3.00	3.78	9.00	7.57	
4.00	4.51	4.50	4.40	Arsanilic acid: Guar., 0.015%; found, <u>0.0102%</u> .
3.00	3.79	8.00	7.49	
2.50	3.27	4.50	3.65	Arsanilic acid: Guar., 0.010%; found, 0.0108%.
2.50	3.73	12.00	6.91	
2.00	3.67	5.00	4.07	
2.00	2.12	5.00	2.53	
2.00	2.69	15.00	9.36	
2.00	2.66	5.00	1.57	
2.00	2.98	5.00	2.90	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
8900	Wayne Starter & Grower "E"	10.61	18.00	20.75
8895	Wayne Sweet Bulky Feed "E"	12.46	12.00	14.25
8901	Wayne Turkey Grower	11.86	22.00	22.00
9821	Wayne Universal Egg Medicated	11.21	18.00	18.50
	AMERICAN CRYSTAL SUGAR CO. Denver, Colo.			
9396	Plain Dried Beet Pulp	10.39	8.00	9.88
	AMERICAN FEED CO. New York, N. Y.			
8820	AFCO Wafer Meal	9.76	10.00	11.00
	ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.			
9228	Archer Quality 34% Protein Linseed Oil Meal	10.13	34.00	35.88
8731	Archer Quality 44% Protein Sol. Ext. Soybean Oil Meal	12.14	44.00	47.13
	ARCHER-DANIELS-MIDLAND CO., Alfalfa Div. Kansas City, Mo.			
9344	Small's 20% Fine Ground Dehy- drated Alfalfa Meal	7.61	20.00	22.13
9349	Small's 20% Fine Ground Dehy- drated Alfalfa Meal	8.86	20.00	20.38
	ATLANTIC PROCESSING CO. Amagansett, N. Y.			
9217	Smith's Life Line Fish Meal	7.16	60.00	66.13
	B & W CANNING CO., INC. Groveland, Fla.			
9652	B'n W brand Dried Citrus Pulp	9.57	6.00	5.50

~~~~~ indicates deficiencies

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| Fat                      |             | Fiber                    |       | Medicants                                         |
|--------------------------|-------------|--------------------------|-------|---------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                   |
| 3.50                     | 3.56        | 6.00                     | 4.67  | Arsanilic acid: Guar., 0.010%;<br>found, 0.0108%. |
| 1.50                     | 2.00        | 15.00                    | 10.70 |                                                   |
| 3.50                     | 4.33        | 6.00                     | 5.55  |                                                   |
| 4.00                     | 4.18        | 4.00                     | 4.43  |                                                   |
| 0.30                     | 0.41        | 22.00                    | 18.19 |                                                   |
| 8.50                     | <u>7.76</u> | 2.00                     | 1.13  |                                                   |
| 0.50                     | 1.72        | 10.00                    | 7.54  |                                                   |
| 0.50                     | 1.24        | 7.00                     | 6.96  |                                                   |
| 1.75                     | 4.36        | 20.00                    | 17.54 |                                                   |
| 1.50                     | 5.32        | 20.00                    | 18.02 |                                                   |
| 5.00                     | 7.44        | 3.00                     | 0.08  |                                                   |
| 3.00                     | 2.99        | 13.00                    | 10.14 |                                                   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                 | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                        |          | Guaranteed not less than | Found |
| 9738        | THE BEACON MILLING CO.<br>Cayuga, N. Y.<br>Beacon Broiler Finisher NCA | 11.01    | 20.00                    | 21.25 |
| 9948        | Beacon Broiler Finisher UN3                                            | 11.96    | 20.00                    | 20.25 |
| 9934        | Beacon C-C Pellets                                                     | 10.47    | 15.00                    | 15.75 |
| 9406        | Beacon Calf Grow                                                       | 10.76    | 17.00                    | 17.00 |
| 9403        | Beacon Dairy Fitting                                                   | 11.32    | 14.00                    | 15.00 |
| 9851        | Beacon Dairy Fitting Ration with Sodium Propionate                     | 11.57    | 14.00                    | 16.38 |
| 9813        | Beacon Egg Check A Medicated                                           | 11.62    | 15.00                    | 16.00 |
| 9287        | Beacon "22" Egg Mash                                                   | 9.94     | 22.00                    | 23.75 |
| 9721        | Beacon Market Egg All-Mash A Medicated                                 | 10.31    | 17.00                    | 17.50 |
| 8815        | Beacon Milk Check "16" Dairy Ration                                    | 12.39    | 16.00                    | 17.00 |
| 8853        | Beacon Milk Check "18" Dairy Ration                                    | 12.46    | 18.00                    | 18.00 |
| 9405        | Beacon Milk Check "20" Dairy Ration                                    | 10.26    | 20.00                    | 20.75 |
| 8817        | Beacon Milk Check Fitting Ration                                       | 12.23    | 14.00                    | 15.13 |
| 9933        | Beacon Poultry Finisher with Dienestrol diacetate & Nicarbazine        | 11.36    | 15.00                    | 15.75 |
| 8819        | Beacon Poultry Fitting                                                 | 13.46    | 11.00                    | 13.13 |
| 9304        | Beacon Sweet "16" Dairy Ration                                         | 11.07    | 16.00                    | 17.00 |
| 9286        | Beacon "16" Test Cow Ration                                            | 9.69     | 16.00                    | 17.50 |
| 9408        | Beacon "18" Test Cow Ration                                            | 10.50    | 18.00                    | 19.50 |
| 9407        | Beacon Turkey Finisher All-Mash                                        | 10.61    | 18.00                    | 18.88 |
| 8855        | Beacon Turkey & Game Bird Breeder                                      | 11.52    | 24.00                    | 23.25 |

~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 5.51 | 4.00 | 2.76 | Nicarbazin: Guar., 0.0125%; found, 0.0150%. Arsanilic acid: Guar., 0.009%; found, 0.0103%. |
| 5.00 | 5.31 | 4.00 | 2.49 | 3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.0215%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0280%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%. Sulphur: Guar., 5.00%; found, 4.93%. |
| 4.50 | 8.95 | 5.00 | 4.50 | |
| 3.00 | 3.23 | 9.00 | 6.42 | |
| 3.25 | 3.39 | 9.00 | 6.42 | |
| 3.00 | 3.18 | 9.00 | 6.86 | Sodium Propionate: Guar., 2.5%; not determined. |
| 2.50 | 3.45 | 6.00 | 4.46 | Arsanilic acid: Guar., 0.009%; found, 0.0100%. |
| 4.00 | 5.53 | 6.00 | 4.40 | |
| 4.50 | 4.34 | 5.00 | 2.38 | Arsanilic acid: Guar., 0.009%; found, 0.0064%. |
| 3.00 | 3.93 | 10.00 | 8.45 | |
| 3.00 | 4.01 | 10.00 | 7.47 | |
| 3.00 | 3.61 | 10.00 | 7.73 | |
| 3.00 | 3.70 | 10.00 | 6.90 | |
| 4.00 | 4.00 | 4.50 | 3.32 | Dienestrol diacetate: Guar., 0.007%; not determined. Nicarbazine: Guar., 0.0125%; found, 0.0142%. |
| 2.50 | 3.82 | 7.50 | 3.67 | |
| 3.50 | 3.60 | 9.00 | 6.93 | |
| 4.00 | 4.13 | 9.00 | 6.94 | |
| 4.00 | 4.10 | 9.00 | 8.43 | |
| 3.25 | 4.53 | 5.50 | 3.38 | |
| 4.00 | 4.88 | 6.50 | 4.55 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|--|---|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 9300 | Beacon Turkey & Game Bird Fitting | 12.34 | 10.00 | 12.63 |
| 8854 | Beacon "22" Turkey & Game Bird Grower | 11.07 | 22.00 | 22.00 |
| 9302 | Beacon "20" Turkey Grower | 10.49 | 20.00 | 20.63 |
| 8816 | Be-Co Grower | 12.21 | 14.00 | 14.25 |
| 8818 | Be-Co-Lass | 12.43 | 11.00 | 11.00 |
| 9410 | Be-Co Nurse Milk Replacer | 5.39 | 24.00 | 25.50 |
| 9404 | Bulky Green | 10.17 | 11.00 | 12.38 |
| THE BERKMAN GRAIN CO.
North Franklin, Conn. | | | | |
| 9350 | Nibco Cratè Fattener | 14.20 | 12.00 | 13.13 |
| 9342 | Nibco 18% Dairy Ration | 11.98 | 18.00 | 17.25 |
| 9345 | Nibco Fitting Ration | 12.23 | 14.00 | 14.00 |
| 9733 | Nibco Five Star Roaster Feed Medicated | 11.82 | 16.00 | 18.13 |
| 9734 | Nibco Five Star Super Starter | 11.16 | 25.00 | <u>23.88</u> |
| 9735 | Nibco Five Star Weight Maker | 10.73 | 22.00 | 22.00 |
| 9732 | Nibco Five Star Weight Maker Medicated | 10.86 | 22.00 | 22.13 |
| 9341 | Nibco High Energy Growing & Laying Mash | 11.21 | 16.00 | 16.13 |
| 9731 | Nibco Medicated Booster Feed | 11.89 | 20.00 | <u>19.00</u> |
| BLATCHFORD CALF MEAL CO.
Waukegan, Ill. | | | | |
| 9638 | Blatchford's Calf Meal | 10.50 | 25.00 | 27.00 |

 indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 2.99 | 9.00 | 4.60 | |
| 3.25 | 3.80 | 5.75 | 4.43 | |
| 3.25 | 3.93 | 5.50 | 4.01 | |
| 3.00 | 5.03 | 8.00 | 7.48 | |
| 2.00 | 3.28 | 12.00 | 6.83 | |
| 10.00 | 10.12 | 0.25 | 0.09 | |
| 2.00 | 3.09 | 15.00 | 11.56 | |
| 3.50 | 3.77 | 9.00 | 7.28 | |
| 4.00 | 4.44 | 8.00 | 6.25 | |
| 4.00 | <u>3.36</u> | 8.00 | 6.05 | |
| 4.50 | <u>4.09</u> | 3.00 | 2.38 | Nicarbazin: Guar., 0.010%;
found, 0.0108%. |
| 7.00 | <u>7.50</u> | 2.50 | 1.93 | Nicarbazin: Guar., 0.010%;
found, 0.0116%. 3-Nitro-4-
hydroxyphenylarsonic acid:
Guar., 0.0050%; found, <u>0.0038%</u> . |
| 6.00 | 6.43 | 2.50 | 2.01 | Nicarbazin: Guar., 0.010%;
found, 0.0120%. 3-Nitro-4-
hydroxyphenylarsonic acid:
Guar., 0.0050%; found, <u>0.0037%</u> . |
| 6.00 | 6.03 | 2.50 | 2.05 | Nicarbazin: Guar., 0.010%;
found, 0.0106%. 3-Nitro-4-
hydroxyphenylarsonic acid:
Guar., 0.0050%; found, <u>0.0021%</u> . |
| 3.00 | 5.14 | 4.00 | 3.24 | Dienestrol diacetate: Guar.,
0.0023%; not determined. |
| 3.00 | 3.61 | 4.50 | 2.26 | Nicarbazin: Guar., 0.010%;
found, 0.0082%. Terramycin
hydrochloride: Guar., 0.022%;
not determined. |
| 2.50 | 2.57 | 6.00 | 3.81 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | THE BLOOMFIELD FARMERS' EXCHANGE INC.
Bloomfield, Conn. | | | |
| 9489 | Bloomfield 16% Dairy Ration | 12.72 | 16.00 | 16.88 |
| 9491 | Bloomfield 16% Dairy Ration | 11.86 | 16.00 | 17.13 |
| | BROOKLAWN GRAIN & FEED CO.
Bridgeport, Conn. | | | |
| 8759 | Brooklawn Sweet Mix | 13.10 | 16.00 | 17.38 |
| | THE A. B. CAPLE CO.
Toledo, Ohio | | | |
| 9435 | Sun-Cured Alfalfa Crumbles | 9.72 | 13.00 | 14.75 |
| | CARGILL, INCORPORATED
Minneapolis, Minn. | | | |
| 9219 | Cargill, Inc. 44% Protein Solvent
Extracted Soybean Oil Meal | 10.64 | 44.00 | 44.25 |
| 9641 | Cargill, Inc. 50% Protein Sol. Ext.
Dehulled Soybean Oil Meal | 10.54 | 50.00 | 54.75 |
| | CARLING BREWING CO. INC.
Cleveland, Ohio | | | |
| 8761 | Carling Brewers Dried Grains | 9.89 | 26.00 | 29.88 |
| | CENTRAL CONN. CO-OPERATIVE
FARMERS' ASS'N. INC.
Manchester, Conn. | | | |
| 9529 | Honest Brand Aureomycin Mix
200 grams | 11.36 | 18.00 | 20.00 |
| 8827 | Honest Brand Complete Breeder
Mash | 12.21 | 20.00 | 17.25 |
| 8825 | Honest Brand Complete Ration
High Energy Growing Mash | 12.38 | 15.00 | 16.00 |
| 8826 | Honest Brand Complete Ration
High Energy Laying Mash | 12.15 | 15.00 | 15.25 |
| 9872 | Honest Brand Nu Weigh-Hi
Broiler Mash Medicated | 11.19 | 20.00 | 18.63 |
| 9919 | Honest Brand Nu Weigh-Hi
Broiler Mash Medicated | 11.56 | 22.00 | 22.63 |

~~~~~ indicates deficiencies.

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| Fat                      |       | Fiber                    |       | Medicants                                      |
|--------------------------|-------|--------------------------|-------|------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                |
| 3.50                     | 3.93  | 8.00                     | 6.45  |                                                |
| 3.50                     | 3.58  | 8.00                     | 6.13  |                                                |
| 3.50                     | 3.28  | 9.00                     | 6.54  |                                                |
| 1.00                     | 1.61  | 33.00                    | 27.46 |                                                |
| 0.50                     | 2.19  | 7.00                     | 6.55  |                                                |
| 0.50                     | 1.03  | 3.00                     | 3.36  |                                                |
| 5.00                     | 5.98  | 15.00                    | 12.07 |                                                |
| 3.00                     | 3.24  | 4.00                     | 3.07  |                                                |
| 4.00                     | 4.04  | 8.00                     | 3.06  |                                                |
| 3.00                     | 3.63  | 4.00                     | 3.06  |                                                |
| 3.00                     | 3.90  | 4.00                     | 3.10  |                                                |
| 6.00                     | 6.64  | 3.00                     | 2.40  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0144%. |
| 6.00                     | 6.10  | 3.00                     | 2.42  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0146%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                           | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------------|----------|--------------------------|-------|
|             |                                                  |          | Guaranteed not less than | Found |
| 9871        | Honest Brand Nu Weigh-Hi Starter Mash Medicated  | 11.62    | 20.00                    | 21.75 |
|             | CENTRAL SOYA CO. INC.<br>Ft. Wayne, Ind.         |          |                          |       |
| 9136        | Central's 44% Soybean Oil Meal Solvent Extracted | 11.84    | 44.00                    | 50.50 |
| 7373        | Thrifty-Fifty                                    | 11.47    | 50.00                    | 50.88 |
| 8830        | Thrifty-Fifty                                    | 9.78     | 50.00                    | 51.50 |
|             | CLYDE MILLING CORP.<br>Clyde, N. Y.              |          |                          |       |
| 9537        | Clyde C. L. Special 15                           | 13.04    | 15.00                    | 15.38 |
| 8792        | Clyde C. L. Special 16                           | 13.25    | 16.00                    | 18.25 |
| 9626        | Clyde C. L. Special 16                           | 11.84    | 16.00                    | 17.88 |
| 9627        | Clyde Dry & Freshening Ration                    | 12.21    | 14.00                    | 14.00 |
| 8810        | Clyde H-E Complete Breeder Mash                  | 11.99    | 16.50                    | 16.50 |
| 9539        | Clyde Hi-Cal-Re Complete Layer & Grower          | 11.54    | 16.50                    | 18.13 |
| 8784        | Clyde Horse Feed                                 | 11.78    | 10.00                    | 11.25 |
| 8812        | Clyde Life Span 15                               | 13.21    | 15.00                    | 16.38 |
| 9653        | Clyde Life Span 18                               | 12.22    | 18.00                    | 18.50 |
| 9540        | Clyde Life Span 30                               | 10.87    | 30.00                    | 27.00 |
| 8814        | Clyde Market Egg Mash                            | 11.11    | 20.00                    | 21.00 |
| 9654        | Clyde Milk Flo 16 Dairy Ration                   | 12.35    | 16.00                    | 16.50 |
| 7353        | Clyde R. S. 10                                   | 13.54    | 10.00                    | 12.00 |
| 8790        | Clyde R. S. 10                                   | 11.71    | 10.00                    | 12.00 |
| 9538        | Clyde Tastee Station Pellets                     | 11.54    | 14.00                    | 16.00 |
| 8787        | Clyde Turkey Grower Mash                         | 11.14    | 22.00                    | 22.00 |
| 8789        | Dewhurst's 16% Dairy Ration                      | 10.21    | 16.00                    | 16.75 |
| 7352        | Dried Apple Pomace                               | 11.89    | 5.00                     | 5.50  |
| 7354        | Dried Apple Pomace                               | 11.41    | 5.00                     | 5.00  |
| 8786        | Warren's Calf Starter                            | 11.34    | 18.00                    | 18.38 |
| 9542        | Warren's Dairy Fitting Ration                    | 12.41    | 12.00                    | 14.13 |
| 8778        | Warren's 16% Dairy Ration                        | 11.44    | 16.00                    | 17.25 |
| 8811        | Wheat Bran                                       | 12.16    | 15.00                    | 15.00 |
| 8775        | Warren's Test Cow 16                             | 10.51    | 16.00                    | 17.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.48 | 4.00 | 3.07 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0188%. |
| 0.50 | 1.19 | 7.00 | 2.88 | |
| 0.50 | 1.93 | 3.00 | 2.48 | |
| 0.50 | 1.66 | 3.00 | 2.95 | |
| 3.50 | 3.13 | 9.00 | 7.58 | |
| 3.50 | 3.34 | 8.50 | 2.52 | |
| 3.50 | 3.39 | 8.50 | 7.86 | |
| 3.00 | 3.58 | 8.00 | 5.91 | |
| 4.00 | 4.19 | 4.50 | 4.22 | |
| 4.00 | 3.93 | 4.50 | 3.41 | |
| 2.50 | 3.83 | 10.00 | 5.53 | |
| 3.50 | 4.84 | 8.00 | 6.47 | |
| 3.50 | 3.63 | 8.00 | 6.33 | |
| 2.00 | 2.51 | 8.00 | 6.05 | |
| 3.00 | 3.66 | 6.00 | 5.56 | |
| 3.00 | 3.59 | 9.00 | 6.23 | |
| 2.50 | 3.14 | 24.00 | 16.09 | DDT, 6 ppm; lead, 29 ppm. |
| 2.50 | 3.15 | 24.00 | 12.55 | |
| 3.50 | 3.41 | 4.50 | 4.52 | |
| 4.00 | 4.72 | 5.50 | 5.07 | |
| 3.50 | 3.61 | 9.00 | 8.44 | |
| 3.50 | 5.01 | 19.00 | 16.43 | DDT, 48 ppm; lead, 49 ppm. |
| 3.50 | 4.99 | 19.00 | 17.39 | DDT, 50 ppm; lead, 36 ppm. |
| 3.00 | 3.53 | 8.00 | 5.99 | |
| 3.00 | 4.79 | 10.00 | 9.15 | |
| 3.00 | 3.24 | 11.00 | 10.57 | |
| 3.50 | 4.94 | 10.00 | 7.69 | |
| 3.50 | 3.08 | 8.50 | 10.19 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | COMMUNITY SERVICE, INC.
Canaan, Conn. | | | |
| 9247 | Community Service 16% Dairy Ration | 12.18 | 16.00 | 16.38 |
| 9244 | Community Service 18% Dairy Ration | 13.00 | 18.00 | 18.25 |
| 9246 | Community Service Fitting Ration | 12.38 | 14.00 | 15.25 |
| | CONNECTICUT BI-PRODUCTS,
INC., Columbia, Conn. | | | |
| 9658 | Hydrolyzed Poultry Feathers | 4.55 | 85.00 | 91.63 |
| 9657 | Poultry By-Product Meal | 4.19 | 55.00 | 61.50 |
| | CONSOLIDATED BLENDERS,
INC., Fremont, Nebr. | | | |
| 9567 | 17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Greenules | 8.46 | 17.00 | 17.00 |
| | CONSOLIDATED RENDERING CO.
Boston, Mass. | | | |
| 8851 | Corenco Feeding Bone Meal | 4.67 | 10.00 | 14.75 |
| 8752 | Corenco 47% Meat & Bone Scrap | 8.16 | 47.00 | 47.38 |
| | CONTINENTAL DISTILLING
CORP., Philadelphia, Pa. | | | |
| 8821 | Corn Distillers Dried Solubles | 8.19 | 28.00 | 28.00 |
| | CORN PRODUCTS CO.
New York, N. Y. | | | |
| 8732 | Buffalo Brand 21% Protein Corn Gluten Feed | 9.34 | 21.00 | 23.63 |
| 9570 | Diamond Brand 41% Corn Gluten Meal | 9.96 | 41.00 | 43.50 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.63 | 10.00 | 5.77 | |
| 4.00 | 3.82 | 10.00 | 6.62 | |
| 3.50 | 4.26 | 9.00 | 6.23 | |
| 0.50 | 3.72 | 1.50 | 0.42 | |
| 8.00 | 13.32 | 3.00 | 1.07 | |
| 1.50 | 2.00 | 27.00 | 25.67 | |
| - - | - - | 2.00 | 9.61 | |
| 6.00 | 9.38 | 2.00 | 1.38 | |
| 8.00 | 8.46 | 5.00 | 3.03 | |
| 1.00 | 2.74 | 10.00 | 9.18 | |
| 1.00 | 2.67 | 6.00 | 3.12 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|-------------|---|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| | C. A. COWLES, INC.
Plantsville, Conn. | | | |
| 8904 | Blue C Feed 16% Dairy Ration | 13.20 | 16.00 | 15.38 |
| 9204 | Blue C Feed 20% Dairy Ration | 11.15 | 20.00 | 20.63 |
| 9164 | Blue C Feed Fitting Ration | 12.48 | 14.00 | 16.63 |
| 9206 | Blue C Feed Growing Mash | 11.82 | 20.00 | 20.38 |
| 8905 | Blue C Feed Horse Feed with
Molasses | 14.54 | 10.00 | 12.50 |
| 9158 | Blue C Feed Laying Mash | 11.46 | 20.00 | 20.88 |
| 9159 | Blue C Feed Rabbit Pellets | 11.74 | 15.00 | 16.38 |
| 9163 | Blue C Feed Super 16% Dairy
Ration | 12.91 | 16.00 | 16.50 |
| 9160 | C. A. Cowles Turkey Starting
Mash | 12.24 | 24.00 | 20.00 |
| 9205 | 16% Dairy Delight | 11.40 | 16.00 | 18.63 |
| 9203 | 16% Dairy Delight (Coarse) | 11.47 | 16.00 | 16.00 |
| | DCA FOOD INDUSTRIES, INC.
Ellicott City, Md. | | | |
| 9642 | Domaco Pure Winter Wheat Bran | 10.94 | 13.50 | 13.50 |
| 8822 | Domaco Winter Wheat Standard
Middlings | 10.71 | 14.50 | 15.13 |
| | DAWE'S LABORATORIES, INC.
Chicago, Ill. | | | |
| 8847 | Dawe's Fermentation Flavonne | 11.91 | 30.00 | 35.38 |
| | DAWNWOOD FARMS
Amenia, N. Y. | | | |
| 9481 | Dawnwood Farms Caf-Star | 7.95 | 26.00 | 28.75 |
| | DELAWARE MILLING CO., INC.
Deposit, N. Y. | | | |
| 8782 | Delaware Scratch Grains | 14.38 | 9.00 | 9.38 |
| 9922 | Eastern Conn. Grain Associates
Broiler Finisher Mash Medicated | 11.97 | 19.00 | 19.38 |
| 8788 | Warren's C & C Complete Breeder
Mash | 10.10 | 16.00 | 19.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                                 |       | Fiber                               |       | Medicants                                                                                            |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                      |
| 3.50                                | 3.79  | 9.00                                | 4.87  |                                                                                                      |
| 3.00                                | 4.64  | 10.00                               | 7.64  |                                                                                                      |
| 3.00                                | 4.43  | 9.00                                | 7.53  |                                                                                                      |
| 3.00                                | 3.94  | 5.00                                | 5.08  |                                                                                                      |
| 3.00                                | 3.46  | 10.00                               | 6.31  |                                                                                                      |
| 3.00                                | 2.84  | 5.00                                | 4.65  |                                                                                                      |
| 3.00                                | 3.13  | 15.00                               | 9.02  |                                                                                                      |
| 3.50                                | 4.34  | 7.50                                | 6.09  |                                                                                                      |
| 5.00                                | 2.82  | 8.00                                | 4.65  |                                                                                                      |
| 3.50                                | 4.99  | 7.50                                | 6.90  |                                                                                                      |
| 3.00                                | 4.79  | 9.00                                | 5.57  |                                                                                                      |
| 3.25                                | 3.69  | 9.50                                | 8.24  |                                                                                                      |
| 4.25                                | 4.11  | 7.50                                | 7.49  |                                                                                                      |
| 2.00                                | 3.73  | 9.50                                | 6.44  |                                                                                                      |
| 3.00                                | 3.44  | 2.50                                | 1.96  |                                                                                                      |
| 2.00                                | 3.56  | 5.00                                | 2.51  |                                                                                                      |
| 5.50                                | 5.44  | 3.00                                | 2.80  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0162%. Arsanilic<br>acid: Guar., 0.0050%; found,<br>0.0098%. |
| 3.00                                | 5.27  | 6.00                                | 6.46  |                                                                                                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                                       | Manufacturer and brand                       | Moisture | Protein<br>(N x 6.25)    |       |
|-------------------------------------------------------------------|----------------------------------------------|----------|--------------------------|-------|
|                                                                   |                                              |          | Guaranteed not less than | Found |
| 8779                                                              | Warren's C & C Complete Laying Mash          | 11.16    | 15.00                    | 16.00 |
| 8777                                                              | Warren's C & C Laying Mash                   | 9.44     | 20.00                    | 21.38 |
| 9543                                                              | Warren's C & C Laying Mash                   | 11.47    | 20.00                    | 22.50 |
| 9545                                                              | Warren's Fitting Ration                      | 11.94    | 14.00                    | 15.00 |
| 8780                                                              | Warren's Indian 16% Dairy                    | 11.74    | 16.00                    | 17.75 |
| 8783                                                              | Warren's 16% Test Ration                     | 12.12    | 16.00                    | 16.75 |
| DERBY FEED STORE<br>Derby, Conn.                                  |                                              |          |                          |       |
| 8728                                                              | Litsky's Hi-Energy All-Mash Grower           | 12.20    | 16.00                    | 16.75 |
| 8729                                                              | Litsky's Hi-Energy All-Mash Layer            | 12.19    | 16.00                    | 16.00 |
| 8730                                                              | Litsky's Hi-Energy Layer                     | 11.71    | 20.00                    | 21.25 |
| 9876                                                              | Litsky's Hi-Energy Starter-Broiler Medicated | 11.14    | 20.00                    | 20.00 |
| 9220                                                              | Litsky's Sweet 16% Dairy Ration              | 10.37    | 16.00                    | 17.50 |
| DISTILLERS CORPORATION Ltd.<br>Montreal, Canada                   |                                              |          |                          |       |
| 8849                                                              | Distilco Corn Distillers' Dried Grains       | 11.16    | 25.00                    | 26.00 |
| EASTERN STATES FARMERS' EXCHANGE, INC.<br>West Springfield, Mass. |                                              |          |                          |       |
| 9438                                                              | Alfapels                                     | 8.25     | 15.00                    | 15.63 |
| 9818                                                              | All-Mash Breeder Medicated                   | 10.97    | 16.00                    | 17.88 |
| 9884                                                              | Breeder Mash Medicated                       | 10.67    | 22.00                    | 23.50 |
| 9690                                                              | Broiler Finisher Medicated                   | 10.44    | 22.00                    | 23.13 |
| 9742                                                              | Broiler Finisher Medicated                   | 9.94     | 22.00                    | 23.25 |
| 9765                                                              | Broiler Starter Medicated                    | 11.66    | 24.00                    | 24.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|---|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | | |
| 3.00 | 5.44 | 6.00 | 7.08 | |
| 3.00 | 4.08 | 7.50 | 6.71 | |
| 3.00 | 4.24 | 7.50 | 7.71 | |
| 3.00 | 3.69 | 11.00 | 8.02 | |
| 3.50 | 4.28 | 11.00 | 8.37 | |
| 3.50 | 4.33 | 10.00 | 8.00 | |
| DERBY FEED STORE
Derby, Conn. | | | | |
| 3.50 | 3.84 | 4.00 | 4.05 | |
| 3.50 | 3.83 | 4.00 | 3.53 | |
| 3.25 | 3.54 | 4.50 | 4.55 | |
| 3.50 | 3.35 | 4.00 | 3.70 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0183%. |
| 3.00 | 3.94 | 10.00 | 6.04 | |
| DISTILLERS CORPORATION Ltd.
Montreal, Canada | | | | |
| 8.00 | 9.80 | 12.00 | 7.43 | |
| EASTERN STATES FARMERS' EXCHANGE, INC.
West Springfield, Mass. | | | | |
| 1.50 | 2.79 | 30.00 | 26.45 | |
| 4.00 | 4.40 | 4.00 | 3.26 | Arsanilic acid: Guar., 0.0099%; found, 0.0112%. |
| 4.00 | 3.88 | 5.00 | 4.46 | Arsanilic acid: Guar., 0.0132%; found, 0.0128%. |
| 8.00 | 8.94 | 4.00 | 2.51 | Arsanilic acid: Guar., 0.0099%; found, 0.0098%. Nicarbazin: Guar., 0.0125%; found, 0.0136%. |
| 8.00 | 8.59 | 4.00 | 3.45 | Arsanilic acid: Guar., 0.0099%; found, 0.0105%. Nicarbazin: Guar., 0.0125%; found, 0.0150%. |
| 5.00 | 5.28 | 4.00 | 2.97 | Arsanilic acid: Guar., 0.0099%; found, 0.0092%. Nicarbazin: Guar., 0.0125%; found, 0.0122%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-ure | Protein
(N x 6.25) | |
|-------------|----------------------------|-----------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 9121 | Calf Starter | 13.42 | 18.00 | 18.63 |
| 9688 | Cashmaker Medicated | 11.92 | 16.00 | 17.00 |
| 9382 | Cashmaker WM Medicated | 11.10 | 16.00 | 17.50 |
| 9117 | Champion | 12.68 | 14.00 | 14.46 |
| 9689 | Choicemaker Medicated | 11.62 | 16.00 | 18.13 |
| 9076 | Class Leader | 13.44 | 14.00 | 16.75 |
| 9414 | Darimore | 10.96 | 16.00 | 18.00 |
| 9074 | 16% Dairy Feed | 12.66 | 16.00 | 17.75 |
| 9075 | Dairypels 16 | 11.63 | 16.00 | 18.25 |
| 9077 | Fulpail | 12.66 | 20.00 | 21.25 |
| 8888 | GLF All-Mash Laying Ration | 13.09 | 17.00 | 17.50 |
| 8883 | GLF Fitting Ration | 11.97 | 14.00 | 14.13 |
| 8884 | GLF 16% Milk Maker | 12.06 | 16.00 | 17.38 |
| 8885 | GLF Trim | 13.06 | 12.00 | 12.00 |
| 8887 | GLF Turkey Starter | 12.48 | 28.00 | 23.75 |
| 9698 | Goalmaker Medicated | 10.61 | 16.00 | 16.75 |
| 9316 | Matchmaker Medicated | 10.65 | 22.00 | 22.75 |
| 9854 | Medicated Defender | 10.92 | 20.00 | 21.63 |
| 9870 | Medicated Lacto-Life | 11.41 | 16.00 | 18.63 |
| 9759 | Medicated Minuteman | 11.47 | 24.00 | 25.13 |
| 9883 | Medicated Minuteman SQ | 10.10 | 24.00 | 24.88 |
| 9237 | Medicated Sentinel | 10.36 | 20.00 | 22.75 |
| 9115 | Milkmore | 12.29 | 16.00 | 18.50 |
| 9238 | Milksaver | 7.74 | 24.00 | 24.63 |
| 9697 | Pacemaker Medicated | 11.26 | 20.00 | 20.00 |
| 8833 | Pork Breeder | 11.15 | 15.00 | 15.88 |
| 9413 | Pork Builder | 11.96 | 14.00 | 15.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                                 |       | Fiber                               |       | Medicants                                            |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                      |
| 3.00                                | 3.09  | 6.00                                | 3.99  | Arsanilic acid:Guar., 0.0099%;<br>found, 0.0100%.    |
| 4.00                                | 4.44  | 4.00                                | 3.21  |                                                      |
| 4.00                                | 4.53  | 4.00                                | 2.93  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0116%. |
| 2.50                                | 3.09  | 7.00                                | 6.18  | Arsanilic acid:Guar., 0.0099%;<br>found, 0.0103%.    |
| 3.50                                | 3.54  | 5.50                                | 4.04  | Arsanilic acid:Guar., 0.0099%;<br>found, 0.0089%.    |
| 3.50                                | 4.53  | 8.00                                | 6.50  | Arsanilic acid:Guar., 0.0099%;<br>found, 0.0102%.    |
| 2.00                                | 3.83  | 12.00                               | 9.17  |                                                      |
| 2.50                                | 2.94  | 10.00                               | 8.38  |                                                      |
| 3.50                                | 4.66  | 9.00                                | 6.67  |                                                      |
| 3.00                                | 4.33  | 8.00                                | 4.94  |                                                      |
| 4.00                                | 3.43  | 4.50                                | 3.16  |                                                      |
| 3.25                                | 4.59  | 10.00                               | 6.37  |                                                      |
| 4.00                                | 4.49  | 10.00                               | 6.99  |                                                      |
| 3.00                                | 4.19  | 10.00                               | 7.01  |                                                      |
| 3.50                                | 4.61  | 5.00                                | 2.74  |                                                      |
| 4.00                                | 4.93  | 4.00                                | 2.72  |                                                      |
| 4.00                                | 4.08  | 5.00                                | 4.19  |                                                      |
| 4.00                                | 4.11  | 4.50                                | 3.65  |                                                      |
| 2.50                                | 4.04  | 8.00                                | 6.24  |                                                      |
| 5.00                                | 5.35  | 4.50                                | 3.07  |                                                      |
| 5.00                                | 5.24  | 4.50                                | 3.20  |                                                      |
| 4.00                                | 4.94  | 4.50                                | 3.08  |                                                      |
| 3.00                                | 4.90  | 8.50                                | 6.50  |                                                      |
| 1.00                                | 2.39  | 1.50                                | 0.59  |                                                      |
| 4.00                                | 4.27  | 4.50                                | 2.88  |                                                      |
| 2.50                                | 3.60  | 8.00                                | 5.02  |                                                      |
| 3.00                                | 3.85  | 3.50                                | 2.83  |                                                      |

Furazolidone: Guar., 0.022%;  
found, 0.0185%.

Lactic acid guaranteed; not  
determined.

Nicarbazin: Guar., 0.0125%;  
found, 0.0136%.

Sulfaquinoxaline: Guar.,  
0.050%; found, 0.036%.

Antibiotic guaranteed; not  
determined.

Arsanilic acid:Guar., 0.0099%;  
found, 0.0100%. Nicarbazine:  
Guar., 0.0125%; found, 0.0116%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                     | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------|----------|--------------------------|-------|
|             |                                            |          | Guaranteed not less than | Found |
| 9817        | Pork Gainer Medicated                      | 12.18    | 16.00                    | 17.13 |
| 9820        | Pork Primer Medicated                      | 10.37    | 18.00                    | 19.38 |
| 8836        | Rabbittes                                  | 10.11    | 18.00                    | 17.50 |
| 9764        | Roaster Finisher Medicated                 | 11.96    | 16.00                    | 17.63 |
| 9120        | Supmix                                     | 12.95    | 36.00                    | 37.13 |
| 9116        | Sweepstakes                                | 12.20    | 16.00                    | 16.75 |
| 9501        | Tastibulk                                  | 12.60    | 9.00                     | 10.63 |
| 9118        | Turkey Breeder                             | 11.37    | 16.00                    | 17.38 |
| 9119        | Turkey Finisher                            | 11.08    | 16.00                    | 18.13 |
| 9428        | Turkey Grower                              | 10.64    | 20.00                    | 22.13 |
| 9931        | Turkey Grower C Medicated                  | 10.42    | 20.00                    | 22.63 |
|             | ECKHART MILLING CO.<br>Chicago, Ill.       |          |                          |       |
| 9592        | Ecko Pure Wheat Bran                       | 10.71    | 14.00                    | 17.38 |
|             | ELMORE MILLING CO., INC.<br>Oneonta, N. Y. |          |                          |       |
| 9386        | Elmore Calf Grain Ration                   | 10.65    | 13.00                    | 13.00 |
| 9756        | Elmore Chixsaver (1S)                      | 12.57    | 20.00                    | 19.00 |
| 9634        | Elmore Complete Calf Milk Replacer         | 9.36     | 25.00                    | 25.75 |
| 9848        | Elmore Complete Growing Ration (1A)        | 10.49    | 16.00                    | 18.63 |
| 9371        | Elmore Complete Laying Mash                | 9.21     | 16.00                    | 18.50 |
| 9324        | Elmore Complete Market Egg Ration          | 11.14    | 16.00                    | 15.38 |
| 9844        | Elmore Complete Market Egg Ration (1A)     | 11.93    | 16.00                    | 16.13 |
| 9424        | Elmore Complete Rabbit Ration              | 9.94     | 16.00                    | 19.50 |
| 9323        | Elmore Dry & Freshening Ration             | 11.81    | 12.00                    | 13.50 |

~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 5.02 | 4.50 | 2.98 | Arsanilic acid: Guar., 0.0099%; found, 0.0112%. Antibiotic guaranteed, not determined. |
| 4.50 | 4.50 | 4.50 | 3.35 | Arsanilic acid: Guar., 0.0099%; found, 0.0138%. |
| 2.00 | 3.67 | 16.00 | 7.23 | |
| 3.00 | 3.54 | 4.00 | 3.01 | Nicarbazin: Guar., 0.0125%; found, 0.0128%. |
| 1.50 | 2.44 | 8.00 | 6.35 | |
| 3.00 | 3.33 | 8.00 | 6.51 | |
| 2.00 | 2.47 | 12.00 | 9.03 | |
| 3.00 | 3.43 | 4.00 | 3.31 | |
| 3.00 | 4.24 | 4.00 | 3.05 | |
| 3.00 | 3.36 | 5.00 | 3.57 | |
| 3.00 | 3.45 | 5.00 | 3.63 | p-Ureidobenzeneearsonic acid: Guar., 0.0375%; found, 0.0344%. |
| 3.50 | 5.24 | 12.00 | 8.10 | |
| 2.50 | 4.09 | 9.00 | 6.10 | |
| 3.00 | 3.39 | 5.00 | 3.55 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0028%.
3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0047%. |
| 4.00 | 6.03 | 2.00 | 1.88 | |
| 3.00 | 3.78 | 6.00 | 3.16 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0046%. |
| 3.00 | 3.53 | 6.00 | 4.63 | |
| 4.00 | 4.33 | 5.00 | 4.52 | |
| 4.00 | 3.79 | 5.00 | 3.53 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0050%. |
| 2.50 | 4.04 | 10.00 | 7.36 | |
| 3.50 | 3.66 | 9.00 | 5.55 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|---|-------------------------------------|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 9319 | Elmore Fair Acres Dairy Ration | 11.47 | 15.00 | 16.25 |
| 9312 | Elmore Fitting Ration 14% | 11.21 | 14.00 | 15.00 |
| 9322 | Elmore Flaked Pelleted Calf Starter | 12.02 | 18.00 | 19.25 |
| 9320 | Elmore Game Bird Grower | 10.37 | 20.00 | 20.00 |
| 9311 | Elmore Grand Champion Ration | 9.21 | 15.00 | 15.00 |
| 9385 | Elmore 20% Laying Mash | 10.19 | 20.00 | 20.25 |
| 9425 | Elmore Milk Grains "Sixteen" | 11.15 | 16.00 | 16.00 |
| 9368 | Elmore Pacemaker 16% Dairy Ration | 10.49 | 16.00 | 19.25 |
| 9555 | Elmore Restricted Grower | 11.31 | 14.00 | 14.25 |
| 9325 | Elmore Stock Feed | 11.76 | 9.00 | 11.75 |
| 9736 | Elmore Super Broiler Ration (1N) | 11.73 | 22.00 | <u>19.88</u> |
| 9554 | Elmore Super Silage | 12.06 | 11.00 | 11.00 |
| 9310 | Elmore Test Ration 16% | 11.56 | 16.00 | 16.00 |
| 9369 | Elmore Test Ration 18% | 10.71 | 18.00 | 19.38 |
| 9370 | Elmore Turkey Finisher (Fattener) | 10.71 | 16.00 | 16.00 |
| 9849 | Elmore Turkey Growing Mash (1H) | 11.36 | 20.00 | <u>17.25</u> |
| JOHN W. ESHELMAN & SONS
Lancaster, Pa. | | | | |
| 9303 | Lancaster 16 Dairy Feed | 9.98 | 16.00 | 18.63 |
| 9111 | Lancaster 20 Dairy Feed | 11.18 | 20.00 | 20.00 |
| 9301 | Lancaster Scratch Grains | 12.35 | 9.00 | 9.75 |
| 9112 | Pennsy Complete Laying Ration | 11.41 | 16.00 | 16.75 |
| 9429 | Pennsy 16 Dairy Feed | 9.82 | 16.00 | 18.50 |
| 9099 | Pennsy Laying Mash | 10.74 | 20.00 | 20.00 |
| 9846 | Red Rose Broiler Finisher | 11.47 | 21.00 | <u>19.50</u> |
| 9358 | Red Rose Calf Grower | 11.51 | 14.00 | 16.88 |
| 9359 | Red Rose Cattle Supplement | 10.26 | 32.00 | <u>22.50</u> |
| 9409 | Red Rose Chick Grains | 11.70 | 9.00 | 10.00 |
| 9098 | Red Rose Complete Growing Ration | 11.47 | 16.00 | 16.63 |
| 8736 | Red Rose Complete Laying Ration | 12.79 | 16.00 | 16.00 |

 indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.59 | 9.00 | 7.17 | |
| 3.50 | 3.53 | 8.00 | 6.11 | |
| 2.50 | 3.04 | 8.00 | 5.77 | |
| 3.00 | 3.94 | 10.00 | 6.71 | |
| 3.50 | 3.84 | 9.00 | 5.91 | |
| 3.25 | 3.39 | 6.00 | 5.13 | |
| 3.50 | 3.94 | 9.00 | 6.59 | |
| 3.00 | 3.00 | 10.00 | 6.88 | |
| 3.00 | 4.23 | 12.00 | 6.44 | |
| 3.00 | 3.28 | 11.00 | 6.02 | |
| 4.50 | <u>3.17</u> | 4.00 | 2.98 | Nicarbazin: Guar., 0.0125%;
found, <u>0.0170%</u> . 3-Nitro-4-
hydroxyphenylarsonic acid:
Guar., 0.005%; found, <u>0.0035%</u> . |
| 2.00 | 2.10 | 18.00 | 17.30 | |
| 4.00 | 5.03 | 9.00 | 6.23 | |
| 4.00 | 4.18 | 9.00 | 6.27 | |
| 4.00 | 4.04 | 6.00 | 3.86 | |
| 3.50 | 3.73 | 8.00 | 5.10 | 4-Nitrophenylarsonic acid:
Guar., 0.025%; found, <u>0.0142%</u> . |
| 2.50 | 3.88 | 13.00 | 4.34 | |
| 2.50 | 3.73 | 12.50 | 11.23 | |
| 2.00 | 2.00 | 4.00 | 2.64 | |
| 3.50 | 3.82 | 7.00 | 5.48 | |
| 2.50 | 2.53 | 15.00 | 10.75 | |
| 3.50 | 3.81 | 7.50 | 5.10 | |
| 5.50 | <u>4.76</u> | 3.50 | 3.85 | 3-Nitro-4-hydroxyphenylar-
sonic acid: Guar., 0.005%;
found, 0.0051%. |
| 3.00 | 3.84 | 8.50 | 6.45 | |
| 2.00 | 3.44 | 9.50 | 8.37 | |
| 2.00 | 2.78 | 3.00 | 1.38 | |
| 4.00 | 4.01 | 6.00 | 4.39 | |
| 4.00 | 5.03 | 5.00 | 3.71 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 8714 | Red Rose 18 Dairy Feed | 12.10 | 18.00 | 20.63 |
| 8734 | Red Rose Fitting Ration | 13.18 | 12.00 | 13.13 |
| 9097 | Red Rose Growing Mash | 10.89 | 20.00 | 20.38 |
| 8735 | Red Rose Hog Meal | 12.72 | 16.00 | 17.13 |
| 9100 | Red Rose Horse Feed | 12.21 | 9.00 | 9.38 |
| 9430 | Red Rose Intermediate Chick Grains | 13.00 | 9.00 | 9.25 |
| 9305 | Red Rose Laying Mash | 10.49 | 20.00 | 21.00 |
| 9114 | Red Rose Porkmaker | 11.56 | 14.00 | 16.00 |
| 8733 | Red Rose Rabbit Pellets | 11.21 | 18.00 | 18.00 |
| 9113 | Red Rose Scratch Grains | 13.74 | 9.00 | 9.25 |
| 9360 | Red Rose 14 Test Cow Feed | 10.48 | 14.00 | 16.13 |
| 9190 | S-O-S | 11.83 | 11.00 | 14.00 |
| | EVANS MILLING CO. INC.
Indianapolis, Ind. | | | |
| 9533 | Emco Hominy Feed | 11.11 | 10.00 | 11.38 |
| | FARM BUREAU ASSOCIATION
Waltham, Mass. | | | |
| 8915 | Farm Bureau 16% Dairy Ration | 12.19 | 16.00 | 16.50 |
| 8913 | Farm Bureau 14% Milking Ration | 11.48 | 14.00 | 15.38 |
| 9503 | Milk Replacer | 7.13 | 24.00 | 24.88 |
| | FARMERS FEED CO.
Brooklyn, N. Y. | | | |
| 8922 | "Bull Brand" Brewers Dried Grains | 10.62 | 26.00 | 28.13 |
| | FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N. J. | | | |
| 8750 | Smith's Lifeline Fish Meal Stabilized with (Food Grade) Butylated-Hydroxy-Toluene | 9.46 | 60.00 | 64.38 |
| | FLORIDA CITRUS CANNERS COOPERATIVE
Lake Wales, Fla. | | | |
| 9110 | Lake Wales Brand Citrus Pulp | 11.91 | 6.00 | 6.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |       | Fiber                    |       | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |           |
| 3.50                     | 3.81  | 9.50                     | 7.49  |           |
| 3.50                     | 4.16  | 8.00                     | 7.06  |           |
| 4.00                     | 4.07  | 7.00                     | 4.49  |           |
| 3.50                     | 3.64  | 8.00                     | 5.09  |           |
| 3.00                     | 3.38  | 10.00                    | 4.97  |           |
| 2.00                     | 2.48  | 3.00                     | 1.35  |           |
| 4.00                     | 4.46  | 5.50                     | 4.03  |           |
| 3.50                     | 3.86  | 7.00                     | 6.16  |           |
| 3.00                     | 3.89  | 10.00                    | 8.63  |           |
| 2.00                     | 2.77  | 4.00                     | 2.65  |           |
| 3.50                     | 3.83  | 8.50                     | 7.41  |           |
| 2.00                     | 3.28  | 16.00                    | 13.79 |           |
| 5.00                     | 5.10  | 7.00                     | 3.61  |           |
| 3.50                     | 4.24  | 8.50                     | 6.77  |           |
| 3.50                     | 4.51  | 8.00                     | 6.75  |           |
| 2.00                     | 1.77  | 1.50                     | 0.85  |           |
| 6.00                     | 8.00  | 17.00                    | 11.51 |           |
| 5.00                     | 8.46  | 3.00                     | 0.11  |           |
| 2.00                     | 2.25  | 16.00                    | 10.41 |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                       | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|----------------------------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                                              |          | Guaranteed not less than | Found |
| 8918        | GENERAL FOODS CORP.<br>Kankakee, Ill.<br>Burt's Hominy Feed                                  | 14.09    | 9.00                     | 9.88  |
| 8723        | GENERAL MILLS, INC.<br>Minneapolis, Minn.<br>Ben Hur Wheat Bran                              | 12.21    | 14.00                    | 14.88 |
| 9250        | Washburn's Gold Medal Wheat<br>Adrian Red Dog                                                | 13.17    | 16.00                    | 17.00 |
| 8760        | Washburn's Gold Medal Wheat<br>Bran & Ground Wheat Screenings                                | 12.65    | 15.00                    | 15.50 |
| 9157        | GENERAL MILLS, INC.<br>Larroe Region<br>Detroit, Mich.<br>Gold Medal Karmel Grist            | 11.01    | 16.00                    | 19.00 |
| 8906        | Gold Medal Stock Champ                                                                       | 13.70    | 10.00                    | 10.38 |
| 9623        | Larro Chick Grains                                                                           | 12.26    | 9.00                     | 11.50 |
| 9208        | Larro Medicated SureLift                                                                     | 10.96    | 16.00                    | 18.50 |
| 9624        | Larro SureCalf                                                                               | 11.17    | 20.00                    | 20.13 |
| 9729        | Larro SureGrow Complete "H-E"<br>(NCB) Medicated                                             | 10.79    | 16.00                    | 18.38 |
| 9162        | Larro SureLay Complete "H-E"                                                                 | 11.21    | 16.00                    | 17.63 |
| 9929        | Larro SureLay Complete "H-E"<br>(.00275 FRZ) Medicated                                       | 10.81    | 16.00                    | 18.00 |
| 9156        | Larro SureMilk 16                                                                            | 12.00    | 16.00                    | 17.88 |
| 9712        | Larro SureRabbit Medicated                                                                   | 9.69     | 15.00                    | 15.88 |
| 9207        | Larro SureTurk                                                                               | 10.59    | 27.00                    | 30.38 |
| 9138        | GLOUCESTER BY-PRODUCTS,<br>INC., Gloucester, Mass.<br>Globpro Brand 60% Protein Fish<br>Meal | 8.61     | 60.00                    | 63.75 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 5.24 | 6.00 | 3.90 | |
| 2.50 | 4.37 | 12.00 | 5.15 | |
| 3.50 | <u>3.18</u> | 4.00 | 1.97 | |
| 3.00 | 4.69 | 12.00 | 9.08 | |
| 1.00 | 2.43 | 24.00 | 19.38 | |
| 3.00 | 3.58 | 8.00 | 5.41 | |
| 2.00 | 4.71 | 4.00 | 1.77 | |
| 3.00 | 3.43 | 3.50 | 3.48 | Antibiotics guaranteed; not determined. |
| 2.50 | 3.03 | 9.00 | 6.38 | Nicarbazin: Guar., 0.010%; found, 0.0102%. |
| 3.50 | 3.34 | 5.50 | 4.94 | |
| 3.50 | 4.34 | 5.00 | 3.72 | |
| 3.50 | 3.97 | 5.00 | 3.03 | Furazolidone: Guar., 0.00275%; found, 0.00226%. |
| 3.00 | 3.13 | 9.00 | 6.61 | |
| 2.00 | 3.08 | 19.00 | 15.07 | Furazolidone: Guar., 0.0055%; found, 0.0061%. |
| 2.50 | 2.81 | 8.50 | 6.68 | |
| 8.00 | 11.59 | 1.00 | 0.18 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | D. H. GRANDIN MILLING CO.
Jamestown, N. Y. | | | |
| 9364 | Grandin's Horse Feed | 10.62 | 9.00 | 12.75 |
| 9366 | Grandin's Laying Mash | 9.99 | 20.00 | 21.75 |
| 9367 | Grandin's Rabbit Pellets | 10.29 | 17.00 | 19.25 |
| 9365 | Grandin's Start-To-Finish | 9.76 | 20.00 | 22.13 |
| | GRAND ISLAND CITRUS
COOPERATIVE, Umatilla, Fla. | | | |
| 8834 | Golden Gems Sweet Dried Citrus Pulp | 10.79 | 6.00 | 6.00 |
| | THE GREAT ATLANTIC &
PACIFIC TEA CO.
Minneapolis, Minn. | | | |
| 9659 | Daily Egg Laying Mash | 9.97 | 20.00 | 23.63 |
| | HAFFENREFFER & CO.
Boston, Mass. | | | |
| 9103 | Haffenreffer & Co's. Brewers' Dried Yeast | 10.04 | 40.00 | 46.25 |
| | HALES & HUNTER CO.
Chicago, Ill. | | | |
| 9127 | Big-R-Buy 16 Dairy | 13.24 | 16.00 | 18.38 |
| 9293 | Pioneer Calf Starter | 11.16 | 18.00 | 19.13 |
| 9123 | Pioneer Dairy Fitting Feed | 12.43 | 14.00 | 15.75 |
| 8771 | Pioneer Dairy Production 16 | 11.64 | 16.00 | 17.25 |
| 9122 | Pioneer Dairy Production 18 | 12.67 | 18.00 | 19.63 |
| 8770 | Pioneer Dry & Freshening | 11.26 | 12.00 | 14.50 |
| 9292 | Pioneer Hog Finisher | 10.56 | 12.00 | 12.88 |
| 9295 | Pioneer Horse Feed | 11.00 | 12.00 | 13.63 |
| 8768 | Pioneer Pelleted Flaked 15 Dairy | 11.60 | 15.00 | 17.25 |
| 9806 | Pioneer Pig Gro-Pel Medicated | 11.24 | 16.00 | 19.25 |
| 9298 | Pioneer Rabbit Pellets | 10.22 | 16.00 | 17.13 |
| 9507 | Red Comb Breeder Mash | 10.54 | 20.00 | 20.00 |
| 9509 | Red Comb C Flakes | 11.97 | 15.00 | 15.75 |
| 9294 | Red Comb Complete Layer | 9.92 | 17.00 | 18.13 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.13 | 11.00 | 7.12 | |
| 2.00 | 3.52 | 4.50 | 5.07 | |
| 3.00 | 3.41 | 18.00 | 11.52 | |
| 2.50 | 4.07 | 6.00 | 5.87 | |
| 2.50 | 4.63 | 11.00 | 6.87 | |
| 3.00 | 3.01 | 7.50 | 7.42 | |
| 0.75 | 0.50 | 5.50 | 0.27 | |
| 2.00 | 2.28 | 13.00 | 6.86 | |
| 2.50 | 3.00 | 7.00 | 4.48 | |
| 3.00 | 3.46 | 8.00 | 7.29 | |
| 3.00 | 3.17 | 8.00 | 7.15 | |
| 3.00 | 3.44 | 8.00 | 6.47 | |
| 2.50 | 3.28 | 8.00 | 5.17 | |
| 3.00 | 3.61 | 8.00 | 4.49 | |
| 2.50 | 3.84 | 8.00 | 6.57 | |
| 3.00 | 3.38 | 7.00 | 6.62 | |
| 3.00 | 3.99 | 6.00 | 4.12 | Arsanilic acid: Guar., 0.01%;
found, 0.0103%. |
| 2.00 | 3.04 | 15.00 | 6.91 | |
| 3.50 | 5.38 | 6.50 | 5.01 | |
| 3.50 | 4.03 | 4.00 | 2.43 | |
| 3.50 | 3.88 | 5.50 | 4.92 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|-------------|---|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 8758 | Red Comb Complete Turkey
Grower | 10.86 | 18.00 | 19.00 |
| 8772 | Red Comb Duck Grower | 10.27 | 16.00 | 17.75 |
| 9564 | Red Comb Duck Starter | 10.28 | 18.00 | 19.38 |
| 9493 | Red Comb Egg Mash | 10.28 | 20.00 | 20.88 |
| 9492 | Red Comb Growing Mash | 10.96 | 18.00 | 19.88 |
| 9508 | Red Comb Medicated Sup-Pel | 11.43 | 21.00 | 22.25 |
| 9297 | Red Comb Pullet Developer | 9.52 | 12.00 | 15.50 |
| 9296 | Red Comb Scratch Feed | 11.22 | 9.00 | 10.25 |
| | HARPER FEED MILLS
Washington, Pa. | | | |
| 9544 | Harco Milk Replacer for Young
Calves | 8.94 | 25.00 | 29.50 |
| 8776 | Warren's Complete Laying Mash | 10.36 | 16.00 | 18.38 |
| 8774 | Warren's 20% Laying Mash | 10.74 | 20.00 | 20.00 |
| 8781 | Warren's Test Cow 16% Dairy | 11.90 | 16.00 | 20.75 |
| | HIGHLAND PRODUCTS, INC.
Minneapolis, Minn. | | | |
| 9321 | Highland's Hi-Nutra | 9.82 | 25.00 | 25.00 |
| | H. P. HOOD & SONS, INC.
Boston, Mass. | | | |
| 9593 | Powdered Skim Milk | 5.71 | 32.00 | 38.25 |
| | THE HUBINGER CO.
Keokuk, Iowa | | | |
| 9591 | Ke OK uk Brand Corn Gluten Meal | 9.59 | 41.00 | 45.00 |
| | ILLINOIS CEREAL MILLS, INC.
Paris, Ill. | | | |
| 9536 | Hominy Feed | 10.85 | 10.00 | 11.00 |
| | INDUSTRIAL MOLASSES CORP.
Minneapolis, Minn. | | | |
| 9132 | Dried Beet Pulp | 11.71 | 7.00 | 8.63 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 3.00 | 4.00 | 6.00 | 5.12 | Antibiotic guaranteed, not
determined. |
| 3.00 | 3.43 | 6.00 | 4.61 | |
| 3.00 | 3.50 | 6.50 | 4.54 | |
| 3.50 | 4.83 | 6.50 | 5.37 | |
| 3.50 | 4.99 | 7.00 | 8.24 | |
| 4.00 | 4.74 | 6.50 | 5.38 | |
| 3.00 | 3.79 | 18.00 | 11.91 | |
| 2.00 | 3.43 | 5.00 | 3.55 | |
| 3.50 | 3.54 | 2.00 | 1.21 | |
| 3.00 | 3.74 | 7.00 | 6.34 | |
| 3.00 | 3.70 | 6.00 | 4.84 | |
| 3.50 | 5.14 | 8.50 | 7.16 | |
| 4.00 | 4.34 | 2.00 | 1.79 | |
| 0.50 | 0.54 | -- | -- | |
| 1.00 | 1.99 | 6.00 | 2.41 | |
| 5.00 | 5.77 | 6.00 | 4.34 | |
| 0.30 | 0.58 | 22.50 | 19.99 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 8751 | INTERNATIONAL MILLING CO.
Minneapolis, Minn.
Blackhawk Wheat Bran with
Ground Mixed Screenings | 11.41 | 13.50 | 15.75 |
| 9343 | Blackhawk Wheat Standard Mid-
dlings with Ground Mixed
Screenings | 10.39 | 14.00 | 18.63 |
| 9502 | Target Wheat Red Dog | 12.03 | 15.00 | 18.00 |
| 8823 | HERMAN ISACS, INC.
Bridgeport, Conn.
Hi-Test Meat & Bone Meal | 7.04 | 50.00 | 50.00 |
| 8856 | KELLOGG SALES CO.
Battle Creek, Mich.
Kellogg's Hominy Feed | 11.76 | 9.50 | 11.00 |
| 9530 | KEYSTONE DEHYDRATORS
Nazareth, Pa.
Keystone Super Green Dehydrated
Alfalfa Meal with Santoquin in
Vegetable Fat Product | 8.04 | 17.00 | 20.38 |
| 9152 | KRAFT FOODS DIV.
New York, N. Y.
Kaff-A Booster Pellets | 10.85 | 26.00 | 26.75 |
| 9568 | Kaff-A Milk Replacer for Calves
Medicated | 6.57 | 21.00 | 24.38 |
| 9488 | CHAS. A. KRAUSE MILLING CO.
Milwaukee, Wis.
Badger Yellow Hominy Feed | 10.70 | 10.00 | 11.00 |
| 8716 | KUDER PULP SALES CO.
Lake Alfred, Fla.
Kuder Dried Citrus Pulp, High
Sugar | 10.54 | 6.00 | 6.38 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants                                 |
|--------------------------|-------------|--------------------------|-------|-------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                           |
| 3.50                     | 5.83        | 12.00                    | 10.12 |                                           |
| 3.00                     | 6.44        | 9.50                     | 7.59  |                                           |
| 2.00                     | 3.03        | 4.00                     | 3.34  |                                           |
| 2.00                     | 2.03        | 3.00                     | 1.36  |                                           |
| 6.50                     | 6.29        | 4.50                     | 3.68  |                                           |
| 2.00                     | 2.51        | 27.00                    | 21.84 |                                           |
| 5.00                     | 6.24        | 3.50                     | 2.84  |                                           |
| 10.50                    | <u>9.18</u> | 2.00                     | 0.71  | Antibiotic guaranteed, not<br>determined. |
| 5.00                     | 5.27        | 6.00                     | 3.97  |                                           |
| 3.00                     | 3.24        | 15.00                    | 5.17  |                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                   | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|------------------------------------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                                                          |          | Guaranteed not less than | Found        |
| 9625        | LAUHOFF GRAIN CO.<br>Danville, Ill.<br>Vermilion Hominy Feed                             | 10.94    | 9.00                     | 10.88        |
| 9631        | LAUHOFF SOYA CO.<br>Danville, Ill.<br>44% Protein Solvent Extracted<br>Soybean Oil Meal  | 10.05    | 44.00                    | 47.25        |
| 9083        | THE LIBNER GRAIN CO.<br>Norwalk, Conn.<br>Libner's Blue Ribbon 12% Fitting<br>Ration     | 14.16    | 12.00                    | 16.25        |
| 9081        | Libner's Blue Ribbon Growing<br>Mash with Cod Liver Oil                                  | 12.16    | 18.00                    | 24.13        |
| 9082        | Libner's Blue Ribbon Horse &<br>Calf Ration                                              | 14.87    | 10.50                    | 11.00        |
| 9080        | Libner's Blue Ribbon Milk Egg<br>Mash with Cod Liver Oil                                 | 12.97    | 20.00                    | 23.88        |
| 9415        | Libner's 20% Milk Flow Dairy<br>Ration                                                   | 11.47    | 20.00                    | <u>17.63</u> |
| 9134        | MACHNICKI'S GRAIN STORE<br>Jewett City, Conn.<br>Machnicki's Hi-Energy All-Mash<br>Layer | 12.11    | 16.00                    | 17.50        |
| 9692        | Master Made Hi-Calorie Broiler<br>Finisher Medicated                                     | 12.22    | 19.00                    | 21.00        |
| 9347        | MAINE REDUCTION CO. INC.<br>Brooks, Maine<br>Poultry By-Products Meal                    | 4.24     | 55.00                    | 60.50        |
| 9506        | THE MANITOBA SUGAR CO.<br>Winnipeg, Canada<br>Molasses Dried Beet Pulp                   | 9.50     | 7.00                     | 10.13        |

           indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants                                                                                       |
|--------------------------|-------------|--------------------------|-------|-------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                 |
| 5.00                     | 4.88        | 6.00                     | 4.65  |                                                                                                 |
| 4.00                     | 4.89        | 7.00                     | 4.93  |                                                                                                 |
| 4.00                     | <u>3.15</u> | 10.00                    | 6.01  |                                                                                                 |
| 4.00                     | 4.67        | 6.00                     | 6.33  |                                                                                                 |
| 3.50                     | 3.41        | 7.00                     | 6.25  |                                                                                                 |
| 3.00                     | 4.82        | 6.50                     | 6.00  |                                                                                                 |
| 4.00                     | <u>3.61</u> | 9.00                     | 6.51  |                                                                                                 |
| 3.50                     | <u>3.23</u> | 3.50                     | 3.00  |                                                                                                 |
| 4.50                     | 4.61        | 3.50                     | 1.70  | Arsanilic acid:Guar., 0.0088%;<br>found, 0.0093%. Nicarbazin:<br>Guar., 0.0125%;found, 0.0122%. |
| 12.00                    | 13.80       | 2.50                     | 1.32  |                                                                                                 |
| 0.30                     | 0.50        | 20.00                    | 14.04 |                                                                                                 |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                        | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|-----------------------------------------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                                                               |          | Guaranteed not less than | Found        |
| 9569        | MARION MILLING CO.<br>Marion, Ohio<br>Cloverleaf Wheat Middlings &<br>Ground Wheat Screenings | 11.92    | 14.00                    | 14.75        |
| 9487        | MARITIME MILLING CO., INC.<br>Buffalo, N. Y.<br>B-B 16% Dairy Ration                          | 11.32    | 16.00                    | 16.00        |
| 9505        | B-B Green Acres 14%                                                                           | 11.21    | 14.00                    | 16.63        |
| 9857        | Ma-Co Complete Grower & Layer<br>Ration Medicated 1025-AR                                     | 10.72    | 17.00                    | 17.00        |
| 9130        | Marmico 16% Protein Dairy Feed                                                                | 10.21    | 16.00                    | 17.25        |
| 9858        | Super Ma-Co Complete Breeder<br>Ration Medicated 845-AR                                       | 11.96    | 18.00                    | 18.00        |
| 9601        | MAXON MILLS, INC.<br>Wassaic, N. Y.<br>Maxon 14% Fitting                                      | 12.01    | 14.00                    | 16.50        |
| 9600        | Maxon 16% Test                                                                                | 12.49    | 16.00                    | 17.38        |
| 9602        | Maxon 18% Test                                                                                | 13.10    | 18.00                    | <u>16.75</u> |
| 9494        | McMILLEN FEED MILLS<br>Ft. Wayne, Ind.<br>Master Made Hi-Calorie All Mash<br>Layer 215-03A    | 12.29    | 17.00                    | 18.75        |
| 9143        | Master Mix All Mash Pullet<br>Developer                                                       | 11.72    | 14.50                    | 14.63        |
| 9145        | Master Mix All Mash Turkey<br>Grower 421                                                      | 12.30    | 18.00                    | 18.63        |
| 9613        | Master Mix Calflac                                                                            | 4.63     | 18.00                    | 18.63        |
| 9728        | Master Mix Chick Starter 103-21D<br>Medicated                                                 | 10.86    | 21.00                    | 23.00        |
| 8756        | Master Mix Complete Rabbit<br>Pellets                                                         | 10.93    | 15.00                    | 17.38        |
| 9144        | Master Mix Complete Turkey<br>Finisher                                                        | 12.51    | 16.00                    | <u>15.13</u> |
| 9165        | Master Mix 14% Dairy Feed                                                                     | 11.86    | 14.00                    | <u>15.75</u> |
| 9135        | Master Mix 16% Dairy Feed                                                                     | 12.37    | 16.00                    | 17.50        |
| 9606        | Master Mix Egg Mash                                                                           | 10.51    | 20.00                    | 20.00        |
| 9636        | Master Mix Flaked Soybean Hulls                                                               | 10.54    | 9.00                     | 10.25        |

           indicates deficiencies.

INSPECTION OF 1959

| Fat                      |              | Fiber                    |             | Medicants                                         |
|--------------------------|--------------|--------------------------|-------------|---------------------------------------------------|
| Guaranteed not less than | Found        | Guaranteed not more than | Found       |                                                   |
| 3.00                     | 4.17         | 9.00                     | 6.40        |                                                   |
| 4.00                     | 5.22         | 10.00                    | 8.94        |                                                   |
| 3.00                     | 3.96         | 12.00                    | 9.00        |                                                   |
| 4.00                     | 4.26         | 4.50                     | 4.13        | Arsanilic acid: Guar., 0.010%;<br>found, 0.0120%. |
| 3.00                     | 3.81         | 12.00                    | 8.84        |                                                   |
| 3.00                     | 3.83         | 3.00                     | <u>4.03</u> | Arsanilic acid: Guar., 0.010%;<br>found, 0.0105%. |
| 3.50                     | 3.67         | 10.00                    | 6.40        |                                                   |
| 4.00                     | 4.31         | 9.00                     | 5.33        |                                                   |
| 4.00                     | 4.38         | 9.00                     | 5.99        |                                                   |
| 4.50                     | 5.01         | 3.50                     | 2.54        | Antibiotic guaranteed, not<br>determined.         |
| 3.50                     | 3.88         | 3.50                     | <u>4.83</u> |                                                   |
| 3.50                     | 4.27         | 5.00                     | 4.28        |                                                   |
| 11.50                    | <u>11.19</u> | 0.50                     | 0.21        |                                                   |
| 3.50                     | 3.74         | 5.00                     | 4.32        | Nicarbazin: Guar., 0.0125%;<br>found, 0.0124%.    |
| 2.00                     | 3.27         | 16.00                    | 12.96       |                                                   |
| 3.50                     | 3.67         | 6.00                     | 4.08        |                                                   |
| 3.00                     | <u>2.54</u>  | 10.00                    | 10.61       |                                                   |
| 3.50                     | <u>3.19</u>  | 10.00                    | 7.08        |                                                   |
| 2.50                     | <u>3.78</u>  | 7.00                     | 6.80        |                                                   |
| 2.00                     | 2.03         | 38.00                    | 31.87       |                                                   |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                            | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                                   |          | Guaranteed not less than | Found |
| 9166        | Master Mix Hi-Calorie Broiler Finisher Concentrate                                | 10.56    | 41.00                    | 41.50 |
| 9709        | Master Mix Hi-Calorie Broiler Starter 307-77L Medicated                           | 12.12    | 24.00                    | 24.63 |
| 9612        | Master Mix Horse Feed                                                             | 11.52    | 10.00                    | 12.63 |
| 9925        | Master Mix Prime Finisher 77B Medicated                                           | 12.24    | 15.00                    | 15.75 |
| 9137        | Master Mix Sweet Flakes<br>MEECH & STODDARD, INC.<br>Middletown, Conn.            | 11.38    | 7.00                     | 9.75  |
| 9650        | M & S Economy Dairy Feed                                                          | 12.21    | 16.00                    | 17.50 |
| 8837        | Quality Brand Complete Grower & Layer                                             | 12.51    | 16.00                    | 17.50 |
| 8701        | Red Wing Calf Starter & Grower                                                    | 13.59    | 16.00                    | 18.25 |
| 8846        | Red Wing Calf Starter & Grower                                                    | 13.06    | 16.00                    | 16.63 |
| 8698        | Red Wing 16% Dairy Feed                                                           | 15.18    | 16.00                    | 16.25 |
| 8697        | Red Wing Fitting Ration                                                           | 11.37    | 14.00                    | 14.13 |
| 8845        | Red Wing Growing Mash                                                             | 12.04    | 17.00                    | 19.38 |
| 8842        | Red Wing Horse Feed                                                               | 13.49    | 9.00                     | 11.00 |
| 8843        | Red Wing Laying Mash                                                              | 11.96    | 18.00                    | 20.13 |
| 8844        | Red Wing Pig & Hog Feed                                                           | 13.04    | 17.00                    | 16.13 |
| 8700        | Red Wing Rabbit Pellets                                                           | 11.89    | 19.50                    | 16.50 |
| 9651        | Red Wing Rabbit Pellets                                                           | 11.29    | 19.50                    | 19.25 |
| 8852        | Red Wing Starting Mash                                                            | 12.71    | 18.00                    | 19.13 |
| 8840        | Red Wing Stock Feed                                                               | 11.59    | 10.00                    | 10.50 |
| 8838        | Special Balance Growing Mash                                                      | 11.43    | 18.00                    | 17.75 |
| 8699        | Special Balance High Efficiency Complete Growing Mash                             | 13.56    | 15.00                    | 15.75 |
| 8841        | Special Balance High Efficiency Complete Laying Mash                              | 11.91    | 16.00                    | 17.88 |
| 9649        | Special Balance Laying Mash                                                       | 11.41    | 20.00                    | 20.00 |
| 9079        | MINER-HILLARD MILLING CO.<br>Wilkes-Barre, Pa.<br>Choice Steam Cooked Hominy Feed | 12.84    | 10.00                    | 9.38  |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |              | Medicants                                                                                                                  |
|--------------------------|-------------|--------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found        |                                                                                                                            |
| 10.00                    | 10.29       | 3.50                     | 2.54         | Nicarbazin: Guar., 0.0125%;<br>found, 0.0118%. 3-Nitro-4-<br>hydroxyphenylarsonic acid:<br>Guar., 0.0050%; found, 0.0040%. |
| 6.00                     | 6.29        | 3.00                     | 1.99         |                                                                                                                            |
| 3.00                     | 3.94        | 9.00                     | 5.50         | Nicarbazin: Guar., 0.010%;<br>found, 0.0152%. 3-Nitro-4-<br>hydroxyphenylarsonic acid:<br>Guar., 0.0050%; found, 0.0046%.  |
| 4.50                     | 4.68        | 4.00                     | 2.95         |                                                                                                                            |
| 1.50                     | 1.59        | 25.00                    | <u>26.72</u> |                                                                                                                            |
| 3.50                     | <u>3.18</u> | 10.00                    | 8.32         |                                                                                                                            |
| 4.00                     | 4.26        | 4.50                     | 2.97         |                                                                                                                            |
| 3.00                     | 3.76        | 8.00                     | 7.35         |                                                                                                                            |
| 3.00                     | 3.81        | 8.00                     | 4.13         |                                                                                                                            |
| 3.50                     | 4.49        | 9.00                     | 4.30         |                                                                                                                            |
| 3.50                     | 4.56        | 9.00                     | 7.69         |                                                                                                                            |
| 3.00                     | 3.79        | 8.00                     | 6.74         |                                                                                                                            |
| 3.20                     | 3.69        | 7.00                     | 5.16         |                                                                                                                            |
| 3.00                     | 3.59        | 8.00                     | 6.48         |                                                                                                                            |
| 3.00                     | 3.19        | 7.00                     | 4.09         |                                                                                                                            |
| 3.00                     | 3.69        | 10.00                    | 8.25         |                                                                                                                            |
| 3.00                     | 3.44        | 10.00                    | 7.69         |                                                                                                                            |
| 3.30                     | 3.62        | 6.50                     | 5.90         |                                                                                                                            |
| 2.50                     | 2.59        | 11.00                    | 6.71         |                                                                                                                            |
| 3.50                     | 3.48        | 6.00                     | 6.57         |                                                                                                                            |
| 3.50                     | 4.94        | 5.00                     | 5.10         |                                                                                                                            |
| 3.00                     | 3.48        | 5.00                     | 5.00         |                                                                                                                            |
| 3.00                     | 3.09        | 6.00                     | 5.42         |                                                                                                                            |
| 5.00                     | <u>4.43</u> | 5.00                     | 3.46         |                                                                                                                            |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                             | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|----------------------------------------------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                                                                    |          | Guaranteed not less than | Found        |
| 8769        | MINUTE MAID CORP.<br>Leesburg, Fla.<br>Golden Isle Citrus Pulp                                     | 9.98     | 5.50                     | 5.50         |
| 9281        | MOLSON'S BREWERY, LTD.<br>Montreal, Canada<br>Molson's Brewers Dried Grains                        | 9.36     | 22.00                    | 22.88        |
| 9086        | GEO. Q. MOON & CO. INC.<br>Binghamton, N. Y.<br>Moon Complete Growing Mash                         | 11.54    | 16.00                    | 16.25        |
| 9087        | Moon Complete Laying Mash                                                                          | 10.45    | 16.00                    | 17.00        |
| 9485        | Moon Horse Feed                                                                                    | 12.48    | 9.00                     | 11.88        |
| 9484        | Moon Laying Mash                                                                                   | 10.01    | 22.00                    | 22.25        |
| 9085        | Moon Rabbit Pellets                                                                                | 11.53    | 15.00                    | 16.88        |
| 8757        | Moon Scratch Feed                                                                                  | 14.38    | 10.00                    | 10.00        |
| 9107        | MOWAT, WILSON & CO.<br>Detroit, Mich.<br>Dried Beet Pulp                                           | 11.76    | 7.00                     | 7.00         |
| 9218        | NAPOLEON ALFALFA MILLS,<br>INC., Napoleon, Ohio<br>17% Dehydrated Alfalfa Meal,<br>Evergreen Brand | 7.48     | 17.00                    | <u>15.13</u> |
| 8920        | NATIONAL ALFALFA DEHY-<br>DRATING & MILLING CO.<br>Lamar, Colo.<br>Krumbles                        | 9.15     | 13.00                    | 13.13        |
| 9528        | National 17% Protein Dehydrated<br>Alfalfa Meal                                                    | 7.80     | 17.00                    | 18.88        |
| 8767        | NATIONAL BISCUIT CO.<br>Toledo, Ohio<br>Pure Wheat Bran                                            | 11.96    | 13.00                    | 16.00        |

           indicates deficiencies

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants |
|--------------------------|-------------|--------------------------|-------|-----------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |           |
| 2.75                     | 2.64        | 15.00                    | 10.29 |           |
| 7.00                     | <u>5.44</u> | 15.00                    | 10.94 |           |
| 4.50                     | <u>4.19</u> | 6.50                     | 5.73  |           |
| 4.50                     | 4.44        | 6.50                     | 5.41  |           |
| 1.50                     | 3.00        | 10.00                    | 7.21  |           |
| 4.00                     | 4.13        | 6.50                     | 4.82  |           |
| 2.50                     | 3.09        | 12.00                    | 11.29 |           |
| 2.00                     | 2.86        | 5.00                     | 2.71  |           |
| 0.30                     | 0.91        | 22.50                    | 19.57 |           |
| 1.25                     | 2.48        | 27.00                    | 23.96 |           |
| 1.50                     | 3.43        | 33.00                    | 28.36 |           |
| 1.50                     | 3.49        | 27.00                    | 21.97 |           |
| 3.00                     | 4.18        | 10.00                    | 9.02  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                           |          | Guaranteed not less than | Found |
|             | NATIONAL DISTILLERS PRODUCTS CO.<br>New York, N. Y.       |          |                          |       |
| 9346        | Nadrisol Brand Corn Distillers Dried Solubles             | 8.30     | 25.00                    | 27.88 |
| 9571        | Produlac Brand Corn Distillers Dried Solubles with Grains | 10.32    | 25.00                    | 26.63 |
|             | NEW JERSEY FLOUR MILLS CO.<br>Clifton, N. J.              |          |                          |       |
| 9640        | Clifton Wheat Bran                                        | 11.51    | 14.20                    | 14.19 |
|             | NOPCO CHEMICAL CO.<br>Newark, N. J.                       |          |                          |       |
| 9599        | Hi-Lay Premix Code DDA                                    | 6.66     | 7.00                     | 9.88  |
| 9598        | Super Premix Code EAZ Medicated                           | 10.72    | 6.00                     | 12.25 |
| 9101        | Nopdex "3000"                                             | 10.28    | 10.00                    | 10.13 |
| 9597        | Nopdex "3000"                                             | 8.70     | 10.00                    | 10.00 |
|             | NORTHERN OHIO SUGAR CO.<br>Denver, Colo.                  |          |                          |       |
| 9106        | GW Dried Beet Pulp                                        | 11.68    | 8.00                     | 8.00  |
|             | OGDEN GRAIN CO.<br>Utica, N. Y.                           |          |                          |       |
| 9920        | Ogden Broiler Finisher Feed Medicated                     | 11.86    | 19.00                    | 19.00 |
| 9486        | Ogden Complete Layer                                      | 10.05    | 16.00                    | 16.63 |
| 8813        | Ogden Growing Mash                                        | 11.87    | 18.00                    | 18.00 |
| 9213        | Ogden Hi-Energy Growing Mash                              | 10.69    | 16.00                    | 17.25 |
| 9209        | Ogden Hi-Energy Laying Mash                               | 10.69    | 16.00                    | 18.13 |
| 9921        | Ogden Hi-Energy Starter & Broiler Medicated               | 12.61    | 22.00                    | 22.00 |
| 9620        | Ogden Horse Feed                                          | 12.56    | 10.00                    | 11.38 |
| 9541        | Ogden Laying Mash                                         | 11.71    | 20.00                    | 21.63 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants                                                                                          |
|--------------------------|-------------|--------------------------|-------|----------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                    |
| 8.00                     | 9.21        | 4.00                     | 4.02  |                                                                                                    |
| 8.00                     | 8.81        | 9.00                     | 5.98  |                                                                                                    |
| 3.00                     | 4.85        | 9.80                     | 7.93  |                                                                                                    |
| 2.00                     | 2.33        | 20.00                    | 20.37 |                                                                                                    |
| 1.00                     | 2.10        | 20.00                    | 15.92 | Antibiotic guaranteed, not determined.                                                             |
| 0.50                     | 1.74        | 40.00                    | 34.44 |                                                                                                    |
| 0.50                     | 2.38        | 40.00                    | 34.81 |                                                                                                    |
| - -                      | - -         | 22.50                    | 20.35 |                                                                                                    |
| 5.00                     | <u>4.38</u> | 3.00                     | 2.85  | Nicarbazin: Guar., 0.0125%; found, 0.0152%. Para-aminobenzoic acid: Guar., 0.010%; found, 0.0102%. |
| 3.00                     | 3.53        | 4.00                     | 3.54  |                                                                                                    |
| 3.00                     | 4.09        | 6.50                     | 5.06  |                                                                                                    |
| 4.50                     | 4.92        | 4.00                     | 3.21  |                                                                                                    |
| 4.50                     | 4.53        | 4.00                     | 3.41  |                                                                                                    |
| 4.50                     | 4.94        | 4.00                     | 2.85  | Nicarbazin: Guar., 0.0125%; found, 0.0138%. Para-aminobenzoic acid: Guar., 0.010%; found, 0.0088%. |
| 3.00                     | 3.93        | 9.00                     | 5.69  |                                                                                                    |
| 3.00                     | 3.03        | 6.00                     | 4.12  |                                                                                                    |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                    | Manufacturer and brand                              | Moisture | Protein<br>(N x 6.25)    |       |
|------------------------------------------------|-----------------------------------------------------|----------|--------------------------|-------|
|                                                |                                                     |          | Guaranteed not less than | Found |
| 9216                                           | Ogden Milk Replacement                              | 5.31     | 21.00                    | 21.88 |
| 9210                                           | Ogden Premium 14% Fitting Ration                    | 9.11     | 14.00                    | 15.63 |
| 9211                                           | Ogden Premium 18% Test Cow Ration                   | 11.50    | 18.00                    | 19.50 |
| 9215                                           | Ogden Rabbit Pellets                                | 10.08    | 18.00                    | 19.25 |
| 8791                                           | Ogden Reliable 16% Dairy Feed                       | 11.52    | 16.00                    | 16.25 |
| 9619                                           | Ogden Reliable 16% Dairy Feed                       | 11.68    | 16.00                    | 14.25 |
| 8793                                           | Ogden Scratch Grains                                | 11.77    | 9.00                     | 10.50 |
| 9212                                           | Ogden Super Hi-Energy Laying Mash                   | 10.51    | 20.00                    | 20.00 |
| 9214                                           | Ogden Super Pig Ration                              | 10.36    | 14.00                    | 14.13 |
| THE PARK & POLLARD CO., INC.<br>Buffalo, N. Y. |                                                     |          |                          |       |
| 9333                                           | Lay or Bust Complete Grower & Layer                 | 10.93    | 16.00                    | 17.75 |
| 9332                                           | Milk-Maid Calf Starter                              | 11.33    | 19.00                    | 18.38 |
| 9131                                           | Milk-Maid 16% Dairy Ration                          | 10.92    | 16.00                    | 18.38 |
| 9328                                           | Milk-Maid 20% Dairy Ration                          | 10.93    | 20.00                    | 20.00 |
| 9499                                           | Milk-Maid Dri-Fresh Fitting Ration                  | 12.28    | 14.00                    | 16.50 |
| 9327                                           | Milk-Maid 14% Test Ration                           | 10.88    | 14.00                    | 16.75 |
| 9498                                           | Park & Pollard Go-Tu-It Pig Grower                  | 10.47    | 16.00                    | 17.88 |
| 9807                                           | Park & Pollard Go-Tu-It Pig Grower Medicated 560-AR | 11.51    | 16.00                    | 17.75 |
| 9395                                           | Park & Pollard Hi-Speed Horse Feed                  | 10.94    | 12.00                    | 14.75 |
| 9394                                           | Park & Pollard Rabbit Pellets                       | 9.84     | 17.50                    | 18.25 |
| 9331                                           | Red Ribbon 16% Dairy Ration                         | 10.11    | 16.00                    | 16.00 |
| 9330                                           | Super Lay or Bust Egg Mash                          | 11.31    | 21.00                    | 21.00 |
| 9393                                           | Super Lay or Bust Growing Feed                      | 10.17    | 20.00                    | 22.38 |
| PASCO PACKING CO.<br>Dade City, Fla.           |                                                     |          |                          |       |
| 8746                                           | Sugar Sweet Citrus Pulp                             | 11.23    | 6.00                     | 6.00  |
| PENICK & FORD LTD. INC.<br>Cedar Rapids, Iowa  |                                                     |          |                          |       |
| 8829                                           | Douglas Corn Gluten Meal                            | 9.21     | 41.00                    | 44.50 |
| 8850                                           | 21% Douglas Corn Gluten Feed                        | 9.76     | 21.00                    | 23.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 8.50 | 8.14 | 0.50 | 0.27 | |
| 3.00 | 3.90 | 9.00 | 6.76 | |
| 3.50 | 3.53 | 9.00 | 6.71 | |
| 3.00 | 3.00 | 12.00 | 11.54 | |
| 3.00 | 3.03 | 9.00 | 10.06 | |
| 3.00 | 3.70 | 9.00 | 6.50 | |
| 3.00 | 3.18 | 6.00 | 2.77 | |
| 4.50 | 4.77 | 4.50 | 4.15 | |
| 3.50 | 4.21 | 7.00 | 5.09 | |
| 4.00 | 5.94 | 5.50 | 4.94 | |
| 3.00 | 4.23 | 8.00 | 5.73 | |
| 4.00 | 4.20 | 9.00 | 8.54 | |
| 4.00 | 5.46 | 9.00 | 6.15 | |
| 4.00 | 4.03 | 9.00 | 7.58 | |
| 5.00 | 5.13 | 9.00 | 4.22 | |
| 3.00 | 3.11 | 6.00 | 4.38 | |
| 3.00 | 3.09 | 6.00 | 4.83 | Arsanilic acid: Guar., 0.010%;
found, 0.0102%. |
| 3.00 | 3.52 | 9.00 | 7.27 | |
| 3.00 | 3.34 | 15.00 | 11.40 | |
| 3.00 | 4.00 | 12.00 | 5.52 | |
| 4.00 | 3.61 | 4.50 | 3.08 | |
| 4.00 | 3.81 | 4.50 | 3.06 | |
| 3.00 | 2.54 | 13.50 | 10.57 | |
| 1.50 | 1.84 | 6.00 | 4.58 | |
| 1.00 | 2.28 | 10.00 | 8.78 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| | PIERCE FEED CO., INC.
Brooklyn, Conn. | | | |
| 9387 | Pierce Complete Layer | 11.16 | 17.00 | 17.00 |
| 9388 | Pierce 22% Layer | 10.03 | 22.00 | 22.75 |
| | THE PILLSBURY CO.
Minneapolis, Minn. | | | |
| 9497 | Pillsbury's Wheat Germ Meal | 11.25 | 25.00 | 26.38 |
| | PILLSBURY of CANADA LTD.
Midland, Canada | | | |
| 9226 | Dandy Wheat Bran | 9.98 | 14.00 | 16.38 |
| | PITTSBURGH PLATE GLASS CO.
Red Wing, Minn. | | | |
| 9090 | Red Wing 34% Protein Solvent
Extracted Linseed Oil Meal | 11.66 | 34.00 | 37.00 |
| | THE QUAKER OATS CO.
Chicago, Ill. | | | |
| 8902 | Ful-O-Pep Derwood Horse Crunch | 9.86 | 15.00 | 15.88 |
| 9504 | Yellow Hominy Feed | 12.46 | 10.00 | <u>8.63</u> |
| | QUAKER OATS CO. of CANADA
LTD., Peterborough, Canada | | | |
| 9573 | Bell Cow Wheat Bran | 11.81 | 15.00 | 18.13 |
| | RALSTON PURINA CO.
St. Louis, Mo. | | | |
| 8703 | Checkerboard Pasture Ration | 11.46 | 16.00 | 16.13 |
| 9307 | Northeastern Scratch Feed | 9.86 | 9.00 | 9.25 |
| 9224 | 41% Protein Cottonseed Meal | 9.28 | 41.00 | 43.25 |
| 9231 | 44% Protein Solvent Extracted
Soybean Oil Meal | 10.46 | 44.00 | 47.25 |
| 8737 | Purina B & M Cow Chow D | 12.89 | 16.00 | 16.75 |
| 8707 | Purina Breeder Layena (Complete
Ration) E | 12.52 | 16.50 | 17.25 |
| 9845 | Purina Broiler Chow Medicated | 10.67 | 20.00 | <u>18.75</u> |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants                                                            |
|--------------------------|-------------|--------------------------|-------|----------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                      |
| 3.00                     | 3.19        | 4.50                     | 2.97  |                                                                      |
| 3.00                     | 4.24        | 5.00                     | 3.90  |                                                                      |
| 8.00                     | 8.89        | 4.00                     | 3.69  |                                                                      |
| 3.50                     | 4.90        | 11.50                    | 10.06 |                                                                      |
| 0.50                     | 1.74        | 10.00                    | 7.65  |                                                                      |
| 4.00                     | 5.62        | 10.00                    | 9.64  |                                                                      |
| 5.00                     | <u>4.67</u> | 6.00                     | 2.34  |                                                                      |
| 3.50                     | 4.38        | 11.50                    | 9.46  |                                                                      |
| 3.00                     | 4.23        | 13.00                    | 6.20  |                                                                      |
| 2.00                     | 2.04        | 5.00                     | 4.52  |                                                                      |
| - -                      | 2.43        | - -                      | 8.93  |                                                                      |
| 0.50                     | 0.70        | 7.00                     | 6.35  |                                                                      |
| 2.50                     | 2.90        | 10.00                    | 4.62  |                                                                      |
| 4.00                     | 4.87        | 4.50                     | 3.92  |                                                                      |
| 3.00                     | 5.29        | 5.00                     | 2.63  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0060%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                         | Moisture | Protein (N x 6.25)       |       |
|-------------|------------------------------------------------|----------|--------------------------|-------|
|             |                                                |          | Guaranteed not less than | Found |
| 9715        | Purina Broiler Chow UN Medicated               | 9.89     | 20.00                    | 22.75 |
| 9739        | Purina Broiler Chow Finisher (E) 3NC Medicated | 10.14    | 20.00                    | 21.50 |
| 9308        | Purina Broiler Chow Finisher (E) NON           | 10.51    | 20.00                    | 20.00 |
| 9741        | Purina Broiler Chow Starter (E) 3NC Medicated  | 9.99     | 23.00                    | 26.50 |
| 8739        | Purina Bulky Las                               | 12.79    | 10.00                    | 10.63 |
| 9230        | Purina Calf Startena                           | 10.16    | 19.50                    | 21.00 |
| 9229        | Purina Chick Chow (Coarse)                     | 12.71    | 9.00                     | 9.63  |
| 9356        | Purina Chick Chow (Fine)                       | 12.13    | 10.00                    | 10.25 |
| 8738        | Purina Chicken Fatena Checkers E               | 11.90    | 14.00                    | 14.75 |
| 8930        | Purina Chick Growena                           | 12.01    | 17.00                    | 17.75 |
| 9952        | Purina Chick Growena                           | 9.86     | 17.00                    | 18.88 |
| 9814        | Purina Chick Growena Medicated                 | 10.10    | 17.00                    | 18.75 |
| 9716        | Purina Chick Growena UN Medicated              | 9.80     | 17.00                    | 17.00 |
| 9852        | Purina Chick Startena UN Medicated             | 11.37    | 20.00                    | 21.63 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|-------|--------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.00                     | 5.13  | 5.00                     | 2.79  | Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0292%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0040%. 3, 5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0292%. Nicarbazin: Guar., 0.0125%; found, 0.0140%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0049%.                                                                                                                                |
| 5.00                     | 7.00  | 4.50                     | 2.55  | Nicarbazin: Guar., 0.0125%; found, 0.0122%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0040%.                                                                                                                                                                                                                                                                                                                                    |
| 5.00                     | 8.76  | 4.50                     | 4.00  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.00                     | 6.04  | 4.50                     | 2.62  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1.50                     | 2.12  | 15.00                    | 12.73 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.00                     | 3.06  | 8.00                     | 6.39  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2.00                     | 2.52  | 4.00                     | 1.52  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2.00                     | 2.99  | 4.00                     | 1.13  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.00                     | 4.13  | 6.00                     | 4.72  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.00                     | 4.48  | 7.00                     | 5.04  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.00                     | 4.08  | 7.00                     | 4.76  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.00                     | 3.33  | 7.00                     | 5.39  | Sulfaquinoxaline: Guar., 0.10%; found, 0.070%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0324%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. 3, 5-Dinitrobenzamide: Guar., 0.025%; found, 0.0321%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0336%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0055%. 3, 5-Dinitrobenzamide: Guar., 0.025%; found, 0.0285%. |
| 3.00                     | 4.13  | 7.00                     | 5.19  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2.50                     | 4.17  | 7.00                     | 4.47  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                        | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                               |          | Guaranteed not less than | Found |
| 9605        | Purina Complete Sow Chow                                      | 11.61    | 16.00                    | 17.25 |
| 8927        | Purina Cow Chow D 16%                                         | 12.00    | 16.00                    | 17.25 |
| 9233        | Purina D & F Chow (Coarse)                                    | 10.73    | 12.50                    | 12.63 |
| 9353        | Purina Duck Growena                                           | 9.47     | 18.00                    | 20.50 |
| 9225        | Purina Egg Chow                                               | 9.58     | 20.00                    | 20.63 |
| 9552        | Purina Eggena                                                 | 9.92     | 16.00                    | 16.50 |
| 9351        | Purina Game Bird Breeder Layena (Complete Ration)             | 8.74     | 20.00                    | 22.50 |
| 9352        | Purina Game Bird Growena                                      | 9.18     | 20.00                    | 21.25 |
| 9355        | Purina Game Bird Startena                                     | 8.89     | 30.00                    | 32.75 |
| 9360        | Purina Goat Chow                                              | 12.96    | 16.00                    | 17.38 |
| 9603        | Purina Goat Chow (Special)                                    | 11.07    | 16.00                    | 17.25 |
| 9714        | Purina Hog Finisher No. 1 Medicated                           | 11.63    | 14.00                    | 15.00 |
| 9354        | Purina Lay Chow E                                             | 9.31     | 23.00                    | 23.50 |
| 8705        | Purina Layena (Complete Ration) E                             | 11.66    | 16.50                    | 18.13 |
| 9713        | Purina Medicated Chek-R-Aid                                   | 10.39    | 20.00                    | 21.88 |
| 8704        | Purina Milk Chow D 16%                                        | 12.96    | 16.00                    | 17.50 |
| 9397        | Purina Mink Developer Chow                                    | 10.18    | 20.00                    | 24.13 |
| 9412        | Purina Nursing Chow                                           | 7.01     | 25.00                    | 26.25 |
| 9924        | Purina OF Broiler Chow Finisher (V) UN Medicated              | 12.31    | 20.00                    | 21.13 |
| 9073        | Purina Omolene                                                | 13.56    | 10.00                    | 11.13 |
| 9357        | Purina Pigeon Chow Checkers                                   | 9.86     | 15.00                    | 17.13 |
| 9553        | Purina Poultry Booster Chow                                   | 10.21    | 24.00                    | 24.88 |
| 8702        | Purina Pullet Developer                                       | 12.65    | 13.00                    | 13.63 |
| 9089        | Purina Rabbit Chow Checkers (20%)                             | 10.54    | 20.00                    | 20.63 |
| 9309        | Purina Rabbit Chow Checkers (Complete Ration)                 | 11.51    | 15.00                    | 15.50 |
| 9815        | Purina Rabbit Chow Checkers NF SQ (Complete Ration) Medicated | 10.44    | 15.00                    | 16.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 3.44 | 6.00 | 3.50 | |
| 2.50 | 2.79 | 8.00 | 4.42 | |
| 2.50 | 2.54 | 11.00 | 8.44 | |
| 3.00 | 3.88 | 5.00 | 3.63 | |
| 3.50 | 4.43 | 7.00 | 5.99 | |
| 3.50 | 4.27 | 7.00 | 5.07 | |
| 3.00 | 3.11 | 7.00 | 5.24 | |
| 3.00 | 4.08 | 7.00 | 4.58 | |
| 3.00 | 3.33 | 6.50 | 4.60 | |
| 3.00 | 4.08 | 9.00 | 7.48 | |
| 2.00 | 3.45 | 6.00 | 3.76 | |
| 2.50 | 2.85 | 7.00 | 3.06 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0024%. |
| 3.50 | 4.39 | 5.00 | 4.02 | |
| 3.50 | 4.83 | 4.50 | 3.95 | |
| 4.50 | 5.23 | 4.50 | 3.48 | Furazolidone: Guar., 0.011%; found, 0.0103%. |
| 2.50 | 3.50 | 10.00 | 6.40 | |
| 2.50 | 4.20 | 5.00 | 3.48 | |
| 2.50 | 2.51 | 1.50 | 0.88 | |
| 5.00 | 5.23 | 4.50 | 2.82 | Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0296%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0043%. 3, 5-Dinitrobenzamide: Guar., 0.025%; found, 0.0225%. |
| 3.00 | 3.94 | 9.00 | 7.87 | |
| 2.50 | 3.14 | 4.00 | 3.89 | |
| 2.50 | 3.36 | 6.50 | 4.65 | |
| 2.50 | 4.68 | 8.00 | 5.10 | |
| 2.00 | 2.94 | 16.00 | 13.14 | |
| 2.00 | 4.00 | 18.00 | 13.72 | |
| 2.00 | 2.32 | 18.00 | 12.80 | Furazolidone: Guar., 0.0055%; found, 0.0044%. Sulfaquinoxaline: Guar., 0.025%; found, 0.0210%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|--|--|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 9227 | Purina Roaster Chow E | 9.79 | 17.00 | 19.00 |
| 9604 | Purina Special Steer Fatena 32% | 10.38 | 32.00 | 33.13 |
| 9740 | Purina Squab Broiler Chow 3NC Medicated | 10.81 | 20.00 | 20.00 |
| 8929 | Purina Turkey Fatena | 11.26 | 17.00 | 18.50 |
| 9853 | Purina Turkey Finisher No. 1 HZ Medicated | 10.42 | 15.00 | 15.50 |
| 8928 | Purina Turkey Finisher No. 2 | 11.59 | 13.50 | 15.38 |
| 9873 | Purina Turkey Finisher No. 2 HZ Medicated | 10.87 | 13.50 | 15.13 |
| 8706 | Purina Turkey Growena No. 1 | 11.28 | 23.00 | <u>21.25</u> |
| 9232 | Purina Turkey Growena No. 2 | 9.56 | 20.00 | 20.88 |
| 9411 | Purina Turkey Pre-Starter | 8.86 | 30.00 | 30.38 |
| READING MILLING CO., INC.
Reading, Pa. | | | | |
| 9572 | Faramel All Mash Grower | 10.16 | 15.90 | 15.90 |
| 8725 | Faramel All Mash Layer | 11.32 | 16.00 | 16.63 |
| 8727 | Faramel Rabbit Food Pellets | 9.86 | 13.00 | 16.88 |
| 8726 | Pure Winter Wheat Middlings | 13.04 | 15.00 | 15.00 |
| RUSSELL-MILLER MILLING CO.
Minneapolis, Minn. | | | | |
| 9656 | Occident Wheat Bran | 10.67 | 14.50 | 16.00 |
| WOLF SAVITSKY & SONS, INC.
Shelton, Conn. | | | | |
| 9874 | Wolf's Broiler Finisher Medicated | 11.69 | 19.00 | 20.88 |
| 9561 | Wolf's Calf Starter | 12.22 | 18.00 | 18.00 |
| 9695 | Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated | 11.66 | 16.00 | 17.00 |
| 8764 | Wolf's Complete Hi-Eff Growing Mash | 11.89 | 16.00 | 17.25 |
| 9221 | Wolf's Egg Mash | 10.91 | 20.00 | 20.63 |
| 9875 | Wolf's Hi-Speed Starter & Broiler Ration Medicated | 11.63 | 20.50 | 21.50 |

~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------|--------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.00                     | 5.13        | 6.50                     | 2.56  | Nicarbazin: Guar., 0.0125%; found, 0.0154%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0044%.<br><br>Nithiazide: Guar., 0.030%; found, 0.030%.<br><br>Nithiazide: Guar., 0.030%; found, 0.030%.<br><br>Arsanilic acid: Guar., 0.0099%; found, 0.0103%.<br><br>Arsanilic acid: Guar., 0.0099%; found, 0.0098%.<br><br>Sulfaquinoxaline: Guar., 0.0175%; found, 0.0170%. Arsanilic acid: Guar., 0.0099%; found, 0.0098%. |
| 2.00                     | 2.38        | 12.00                    | 6.97  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.50                     | 3.33        | 4.50                     | 3.29  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.50                     | 4.09        | 5.50                     | 4.58  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.00                     | 4.77        | 4.50                     | 3.13  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.00                     | 4.38        | 4.00                     | 3.04  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.00                     | 4.31        | 4.00                     | 2.52  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.50                     | 4.42        | 6.00                     | 5.31  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.50                     | 4.08        | 5.50                     | 5.09  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 4.07        | 5.50                     | 4.35  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.60                     | 4.00        | 4.90                     | 4.01  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.50                     | 3.96        | 4.50                     | 3.15  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 3.88        | 15.00                    | 14.24 |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.00                     | <u>3.26</u> | 8.00                     | 3.16  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.00                     | 4.03        | 11.00                    | 10.09 |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 3.78        | 4.00                     | 3.40  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | <u>2.74</u> | 9.00                     | 8.62  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 3.26        | 4.00                     | 2.34  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 3.84        | 4.00                     | 3.54  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 3.59        | 5.00                     | 3.25  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.00                     | 3.93        | 4.00                     | 3.42  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|----------------------------------------------------|----------|--------------------------|-------|
|             |                                                    |          | Guaranteed not less than | Found |
| 9222        | Wolf's Horse Feed                                  | 11.21    | 12.00                    | 13.75 |
| 9556        | Wolf's Performo-Las                                | 11.08    | 10.00                    | 12.50 |
| 8763        | Wolf's Pig & Hog Feed                              | 11.41    | 16.00                    | 18.13 |
| 9223        | Wolf's Sweetened 14% Dairy Ration                  | 10.01    | 14.00                    | 15.88 |
| 8765        | Wolf's Sweetened 16% Dairy Ration                  | 12.01    | 16.00                    | 16.88 |
| 9562        | Wolf's Sweetened 20% Dairy Ration                  | 11.44    | 20.00                    | 22.50 |
| 9563        | Wolf's Test Cow 12% Dairy Ration                   | 11.56    | 12.00                    | 16.50 |
| 8766        | Wolf's Test Cow 16% Dairy Ration                   | 11.71    | 16.00                    | 17.75 |
|             | SCHOENECK FARMS, INC.<br>Nazareth, Pa.             |          |                          |       |
| 8773        | Schoeneck's Super-Green Dehydrated Alfalfa Meal    | 8.20     | 17.00                    | 17.38 |
|             | JOSEPH E. SEAGRAM & SONS,<br>INC., Louisville, Ky. |          |                          |       |
| 9348        | Seagram's Corn Distillers Dried Solubles           | 10.96    | 25.00                    | 27.38 |
|             | SEYMOUR GRAIN & COAL CO.<br>Seymour, Conn.         |          |                          |       |
| 9878        | Miracle Broiler Starter Medicated                  | 11.10    | 22.50                    | 23.63 |
| 9635        | Miracle Brood Sow Ration                           | 10.47    | 15.00                    | 18.50 |
| 9618        | Miracle 14% Calf Grower                            | 12.31    | 14.00                    | 17.00 |
| 8755        | Miracle Dairy 16%                                  | 12.39    | 16.00                    | 16.00 |
| 9615        | Miracle Fitting Ration                             | 11.40    | 14.00                    | 14.75 |
| 8748        | Miracle Hi-Efficiency Grower                       | 12.52    | 16.00                    | 16.75 |
| 9616        | Miracle Hi-Energy All Mash Layer                   | 11.58    | 16.50                    | 17.25 |
| 9637        | Miracle Hog Finisher Ration                        | 12.42    | 12.00                    | 13.63 |
| 8753        | Miracle Horse Feed                                 | 13.00    | 9.00                     | 9.75  |
| 9617        | Miracle 20% Laying Mash                            | 11.08    | 20.00                    | 20.38 |
| 9614        | Pasture Mix                                        | 10.26    | 9.00                     | 10.25 |

~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.75 | 3.29 | 10.00 | 7.33 | |
| 2.00 | 3.59 | 16.00 | 11.18 | |
| 3.00 | 4.04 | 5.00 | 4.21 | |
| 3.00 | 4.16 | 9.00 | 5.66 | |
| 3.00 | 3.79 | 10.00 | 6.30 | |
| 3.00 | 3.29 | 9.00 | 5.78 | |
| 3.00 | 3.94 | 9.00 | 5.88 | |
| 3.00 | 4.26 | 9.00 | 6.05 | |
| 2.00 | 2.86 | 27.00 | 25.37 | |
| 5.00 | 5.43 | 5.00 | 2.76 | |
| 3.50 | 4.33 | 4.00 | 1.88 | Sulfaquinoxaline: Guar., 0.0175%;
found, 0.0186%. 3-Nitro-4-
hydroxyphenylarsonic acid:
Guar., 0.0050%; found, 0.0021%. |
| 3.00 | 3.85 | 11.00 | 7.46 | |
| 3.00 | 2.78 | 6.50 | 4.59 | |
| 3.00 | 4.07 | 9.00 | 6.00 | |
| 3.00 | 4.09 | 8.00 | 6.93 | |
| 3.00 | 4.54 | 5.50 | 3.02 | |
| 4.25 | 4.66 | 4.75 | 2.65 | |
| 3.50 | 3.52 | 5.00 | 3.00 | |
| 3.50 | 3.85 | 8.00 | 5.86 | |
| 3.00 | 5.28 | 6.50 | 4.59 | |
| 2.50 | 2.59 | 20.00 | 18.51 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 8754 | See-More Milk Dairy Ration 18% | 10.82 | 18.00 | 18.00 |
| 8747 | See-More Milk Dairy Ration 20% | 11.44 | 20.00 | 20.88 |
| | THE SHERWIN-WILLIAMS CO.
Cleveland, Ohio | | | |
| 8721 | Sherwin-Williams 32% Linseed Oil Meal (A Blend of Expeller and Solvent Extracted Meals) | 11.69 | 32.00 | 35.25 |
| 9139 | Sherwin-Williams 34% Linseed Oil Meal Solvent Extracted | 11.96 | 34.00 | 35.88 |
| | A. E. STALEY MANUFACTURING CO., Decatur, Ill. | | | |
| 8828 | Staley's HI PRO CON 50% Protein Dehulled Solvent Extracted Soybean Oil Meal | 10.55 | 50.00 | 52.88 |
| 8824 | Staley's 44% Protein Solvent Extracted Soybean Oil Meal | 12.41 | 44.00 | 45.00 |
| | STANDARD BRANDS INC.
New York, N. Y. | | | |
| 9102 | Fleischmann's FIDY Type 142-F Irradiated Dry Yeast | 6.21 | 40.00 | 41.38 |
| | F. W. STOCK & SONS, INC.
Hillsdale, Mich. | | | |
| 9557 | Stock's Wheat Bran | 11.33 | 13.00 | 14.13 |
| 9526 | Stock's Standard Wheat Middlings | 10.97 | 14.00 | 15.75 |
| | SUNI CITRUS PRODUCTS CO.
Haines City, Fla. | | | |
| 9078 | Sweet Suni-Citrus Pulp | 10.79 | 6.00 | 6.50 |
| | SUNSHINE BISCUITS, INC.
Grafton, Ohio | | | |
| 9140 | UMC Wheat Bran - Pure Wheat Bran | 11.61 | 13.00 | 14.13 |
| 9482 | UMC Wheat Middlings with Ground Screenings | 11.09 | 14.00 | 16.25 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.98 | 9.50 | 5.88 | |
| 3.00 | 4.04 | 9.50 | 5.57 | |
| | | | | |
| 3.50 | 3.60 | 10.00 | 6.41 | |
| 0.50 | 3.56 | 10.00 | 7.53 | |
| | | | | |
| 0.50 | 1.29 | 3.00 | 2.58 | |
| 0.50 | 1.04 | 7.00 | 6.46 | |
| | | | | |
| 0.50 | 3.83 | 10.00 | 1.38 | |
| | | | | |
| 2.75 | 2.83 | 12.00 | 8.08 | |
| 4.00 | 4.49 | 9.50 | 6.82 | |
| | | | | |
| 3.00 | 3.40 | 15.75 | 12.52 | |
| | | | | |
| 3.00 | 4.03 | 11.00 | 9.33 | |
| 3.50 | 4.16 | 9.50 | 6.33 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 9527 | SWIFT & CO.
Fostoria, Ohio
Swift's 44% Protein Solvent Extracted Soybean Oil Meal | 11.27 | 44.00 | 46.88 |
| 8848 | THE T. H. TAYLOR CO. LTD.
Chatham, Canada
Beaver Wheat Bran | 12.61 | 13.50 | 14.13 |
| 9088 | Beaver Wheat Shorts | 11.64 | 14.00 | 17.00 |
| 9531 | TOLEDO ALFALFA MILLS
East Toledo, Ohio
Supreme Vit-A-Green Pure Dehydrated Alfalfa Meal | 7.18 | 17.00 | 17.00 |
| 9390 | UNITED CO-OPERATIVE FARMERS, INC.
Fitchburg, Mass.
UCF Calf Meal | 9.29 | 25.00 | 32.75 |
| 9282 | UCF 18% Dairy | 10.20 | 18.00 | 18.88 |
| 9285 | UCF 20% Dairy | 10.11 | 20.00 | 22.38 |
| 9283 | UCF Fitting Ration | 11.46 | 14.00 | 14.75 |
| 9810 | UCF Hi NRG All Mash Breeder Medicated | 10.75 | 17.00 | 17.63 |
| 9702 | UCF Hi NRG All Mash Grower & Layer Medicated | 10.60 | 16.50 | 16.50 |
| 9720 | UCF Hi NRG Broiler Starter Medicated | 10.50 | 22.00 | 23.63 |
| 9737 | UCF Hi NRG Broiler Starter Medicated | 10.84 | 22.00 | 22.00 |
| 9718 | UCF Hi NRG Starter Medicated | 11.46 | 20.00 | 22.50 |
| 9496 | UCF Horse Feed | 12.81 | 9.00 | 11.50 |
| 9703 | UCF Layer Medicated | 10.50 | 20.00 | 20.50 |

~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |       | Fiber                    |       | Medicants                                                                                                        |
|--------------------------|-------|--------------------------|-------|------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                  |
| 0.50                     | 1.09  | 7.00                     | 4.62  |                                                                                                                  |
| 3.00                     | 4.33  | 11.50                    | 5.14  |                                                                                                                  |
| 4.50                     | 5.94  | 8.00                     | 7.42  |                                                                                                                  |
| 1.75                     | 1.78  | 27.00                    | 24.36 |                                                                                                                  |
| 1.00                     | 2.13  | 2.00                     | 2.17  |                                                                                                                  |
| 3.50                     | 3.94  | 9.00                     | 7.02  |                                                                                                                  |
| 3.50                     | 3.96  | 9.00                     | 6.57  |                                                                                                                  |
| 3.50                     | 3.89  | 9.00                     | 6.60  |                                                                                                                  |
| 4.00                     | 4.31  | 4.50                     | 3.47  | Arsanilic acid:Guar., 0.0099%; found, 0.0103%.                                                                   |
| 4.50                     | 4.54  | 4.50                     | 3.99  | Arsanilic acid:Guar., 0.0099%; found, 0.010%.                                                                    |
| 7.00                     | 5.82  | 3.00                     | 2.55  | Nicarbazin: Guar., 0.0125%; found, 0.0134%. Arsanic acid: Guar., 0.0099%; found, 0.0040%.                        |
| 7.00                     | 6.29  | 3.00                     | 2.61  | Nicarbazin: Guar., 0.0125%; found, 0.0134%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0049%. |
| 4.00                     | 3.88  | 4.00                     | 2.66  | Sulfaquinoxaline:Guar., 0.0150%; found, 0.0167%.                                                                 |
| 3.00                     | 3.59  | 9.00                     | 4.59  |                                                                                                                  |
| 5.00                     | 3.93  | 5.00                     | 4.93  | Arsanic acid:Guar., 0.0099%; found, 0.0180%.                                                                     |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                     | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--------------------------------------------|----------|--------------------------|-------|
|             |                                            |          | Guaranteed not less than | Found |
| 9850        | UCF Medicated Booster 100                  | 11.96    | 17.00                    | 17.75 |
| 9719        | UCF Medicated Booster 200                  | 10.18    | 17.00                    | 18.75 |
| 9811        | UCF Medicated Booster 200                  | 10.75    | 17.00                    | 18.25 |
| 9809        | UCF Medicated Booster NF 100               | 11.01    | 17.00                    | 17.38 |
| 9495        | UCF Pig & Hog Feed                         | 11.14    | 20.00                    | 21.75 |
| 9284        | UCF Succulent Dairy                        | 10.26    | 9.00                     | 12.25 |
|             | UNITY FEEDS INC.<br>Boston, Mass.          |          |                          |       |
| 9128        | Unity Bulky Mix Ration                     | 11.66    | 11.00                    | 11.00 |
| 9546        | Unity Dairy & Fitting Ration               | 12.68    | 14.00                    | 14.00 |
| 9547        | Unity 16% Dairy Ration                     | 12.73    | 16.00                    | 16.00 |
| 9125        | Unity Growing & Laying Mash                | 11.69    | 20.00                    | 19.00 |
| 9548        | Unity High Energy Laying Mash              | 11.79    | 15.00                    | 15.25 |
| 9126        | Unity Medicated Hen-Biotic                 | 11.36    | 16.00                    | 16.63 |
| 9124        | Unity Pig & Hog Ration                     | 11.71    | 17.00                    | 17.38 |
| 9727        | Unity Super Starter Medicated              | 11.26    | 20.00                    | 20.25 |
| 9707        | Unity Trim Medicated                       | 10.76    | 15.50                    | 15.50 |
| 9129        | Unity Turkey & Game Bird Growing Mash      | 10.78    | 20.00                    | 21.25 |
|             | GEORGE URBAN MILLING CO.<br>Buffalo, N. Y. |          |                          |       |
| 9329        | Wheat Standard Middlings                   | 12.37    | 15.00                    | 13.75 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 4.00 | 4.90 | 4.50 | 3.48 | Nitrofurazone plus furazolidone: Guar. 0.0063%; found, 0.0048%. Arsanilic acid: Guar., 0.0099%; found, 0.0090%. Antibiotics guaranteed, not determined. |
| 4.00 | 4.25 | 4.50 | 4.28 | Arsanilic acid: Guar., 0.0090%; found, 0.0110%. Antibiotic guaranteed, not determined. |
| 4.00 | 4.08 | 4.50 | 3.55 | Arsanilic acid: Guar., 0.0099%; found, 0.0084%. Antibiotic guaranteed, not determined. |
| 4.00 | 4.69 | 4.50 | 4.21 | Furazolidone: Guar., 0.011%; found, 0.0094%. Arsanilic acid: Guar. 0.0099%; found, 0.0132%. |
| 3.00 | 3.75 | 7.00 | 5.98 | |
| 2.00 | 3.04 | 17.00 | 11.55 | |
| 2.00 | 3.01 | 18.00 | 10.44 | |
| 3.50 | 4.06 | 9.00 | 7.16 | |
| 3.50 | 4.08 | 9.00 | 7.32 | |
| 3.00 | 3.53 | 6.00 | 5.38 | |
| 3.50 | 3.63 | 4.00 | 3.66 | |
| 3.00 | 4.50 | 4.00 | 3.65 | |
| 3.00 | 3.83 | 6.00 | 4.77 | |
| 3.00 | 5.39 | 4.00 | 3.17 | Nicarbazin: Guar., 0.010%; found, 0.0116%. |
| 3.00 | 4.24 | 6.00 | 4.50 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0056%. |
| 3.00 | 3.97 | 5.00 | 4.48 | |
| 3.50 | 5.18 | 9.50 | 2.87 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-ure | Protein
(N x 6.25) | |
|-------------|--|-----------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 9398 | WATERTOWN CO-OPERATIVE ASS'N., INC., Watertown, Conn.
Watertown Co-op 16% Dairy | 10.44 | 16.00 | 17.50 |
| | H. K. WEBSTER CO.
Lawrence, Mass. | | | |
| 8708 | Blue Seal All-Mash Egg Ration | 14.16 | 16.00 | 16.63 |
| 8709 | Blue Seal All-Mash Grow & Lay | 13.06 | 16.00 | 16.00 |
| 9808 | Blue Seal All-Mash Grow & Lay Medicated | 12.10 | 16.00 | 17.13 |
| 9299 | Blue Seal All-Mash Growing Ration | 10.06 | 16.00 | 17.25 |
| 9248 | Blue Seal All-Mash Pullet Framer | 11.01 | 14.00 | 14.38 |
| 9717 | Blue Seal All-Mash Pullet Framer Medicated | 10.91 | 14.00 | 15.63 |
| 9701 | Blue Seal A-5-4 Broiler Medi-cated | 10.99 | 23.00 | 23.00 |
| 9249 | Blue Seal Calf Starter | 11.19 | 19.00 | 19.13 |
| 9532 | Blue Seal Chick Feed | 13.32 | 10.00 | 10.00 |
| 9757 | Blue Seal Chick Starter Medi-cated | 11.82 | 20.00 | 20.63 |
| 8711 | Blue Seal Coarse 16 Dairy Ration | 11.56 | 16.00 | 16.00 |
| 9141 | Blue Seal Coarse 20 Dairy Ration | 12.28 | 20.00 | 20.25 |
| 9426 | Blue Seal Egg Mash | 11.35 | 20.00 | 20.75 |
| 9819 | Blue Seal Fat & Finish Ration Medicated | 11.47 | 18.00 | 18.13 |
| 9091 | Blue Seal Fitting Ration | 11.50 | 14.00 | 13.25 |
| 9092 | Blue Seal Flaked 15 | 11.21 | 15.00 | 15.50 |
| 9243 | Blue Seal Horse Feed | 12.01 | 10.00 | 12.00 |
| 9389 | Blue Seal Medicated ORO-Mix | 10.46 | 20.00 | 22.00 |
| 9700 | Blue Seal Pig Feed Medicated | 11.19 | 15.00 | 16.00 |
| 9843 | Blue Seal Poultry Wormer | 11.21 | 16.00 | 16.25 |
| 9242 | Blue Seal Producer's Grow & Lay | 10.26 | 20.00 | 20.13 |
| 9693 | Blue Seal Rabbit Pellets Medi-cated | 10.64 | 20.00 | 20.00 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 4.00 | 4.23 | 9.00 | 8.95 | |
| 3.00 | 3.51 | 3.50 | 2.80 | |
| 3.00 | 3.90 | 4.50 | 2.65 | |
| 3.00 | 3.19 | 4.50 | 4.15 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0165%. |
| 3.00 | 3.86 | 3.50 | 3.11 | |
| 3.00 | 4.08 | 8.00 | 6.52 | |
| 3.00 | 3.57 | 8.00 | 6.89 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0169%.
Arsanilic acid: Guar., 0.010%; found, 0.0084%. Nicarbazin: Guar., 0.0125%; found, 0.0146%. |
| 6.00 | 6.06 | 3.00 | 2.22 | |
| 3.00 | 3.34 | 8.00 | 6.05 | |
| 2.50 | 2.13 | 4.00 | 1.35 | |
| 3.50 | 3.53 | 4.50 | 3.02 | Sulfaquinoxaline: Guar., 0.0175%, found, 0.0140%.
Arsanilic acid: Guar., 0.010%; found, 0.0098%. |
| 3.50 | 4.29 | 8.50 | 4.25 | |
| 3.00 | 4.13 | 8.00 | 6.50 | |
| 3.50 | 3.76 | 3.50 | 2.91 | |
| 4.50 | 4.08 | 3.50 | 2.28 | Arsanilic acid: Guar., 0.010%; found, 0.0084%. |
| 3.00 | 3.91 | 9.00 | 6.49 | |
| 3.00 | 3.88 | 9.00 | 6.45 | |
| 3.00 | 3.88 | 9.00 | 6.29 | |
| 3.50 | 3.77 | 3.50 | 2.78 | |
| 4.00 | 5.15 | 6.00 | 4.56 | Arsanilic acid: Guar., 0.010%; found, 0.010%. |
| 3.50 | 4.59 | 4.00 | 2.94 | Phenothiazine: Guar., 0.60%; found, 0.40%. Piperazine: guaranteed, not determined. |
| 3.50 | 3.60 | 6.00 | 5.03 | |
| 3.00 | 3.08 | 12.00 | 8.10 | Arsanilic acid: Guar., 0.010%; found, 0.0084%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|--------------------------------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 8712 | Blue Seal Standard 16 Dairy Ration | 10.81 | 16.00 | 16.63 |
| 9142 | Blue Seal Standard 20 Dairy Ration | 12.66 | 20.00 | 20.00 |
| 9093 | Blue Seal Standard "14" Fitting Ration | 11.91 | 14.00 | 15.25 |
| 8710 | Blue Seal Succulent Feed & Calving Ration | 12.84 | 12.00 | 12.25 |
| 9288 | Blue Seal Super Breeder's Mash | 10.51 | 20.00 | 18.88 |
| 9535 | Blue Seal Sweet Sixteen | 11.02 | 16.00 | 16.88 |
| 9245 | Blue Seal Test Ration | 11.16 | 18.00 | 18.38 |
| 9427 | Blue Seal Turkey Growing | 10.21 | 20.00 | 20.38 |
| WEST-NESBITT, INC.
Oneonta, N. Y. | | | | |
| 8889 | All Pure Milk Ration | 11.86 | 20.00 | 22.25 |
| 8909 | Cream-Line Dairy-Test Ration | 13.22 | 18.00 | 18.38 |
| 9926 | Pure Feed Broiler Starter Medicated | 11.91 | 22.00 | 22.00 |
| 9154 | Pure Feed Calf Grower | 11.26 | 20.00 | 24.00 |
| 8912 | Pure Feed Complete Grower | 11.13 | 14.00 | 16.88 |
| 9153 | Pure Feed Complete Layer-Breeder | 11.51 | 17.00 | 18.25 |
| 8892 | Pure Feed Complete Rabbit Pellets | 11.00 | 16.00 | 17.50 |
| 8907 | Pure Feed 16% Dairy Ration | 12.74 | 16.00 | 16.63 |
| 9534 | Pure Feed Dairy-Test Ration | 11.76 | 18.00 | 18.25 |
| 8891 | Pure Feed Egg & Breeder | 10.96 | 22.00 | 22.88 |
| 8911 | Pure Feed Egg Maker | 12.00 | 20.00 | 20.00 |
| 8890 | Pure Feed 14% Fitting Ration | 12.02 | 14.00 | 15.38 |
| 8894 | Pure Feed Grower | 11.30 | 18.00 | 19.25 |
| 8908 | Pure Feed Horse Ration | 14.93 | 9.00 | 11.88 |
| 9927 | Pure Feed Starter Medicated | 10.36 | 20.00 | 20.75 |
| 9155 | Pure Feed Swine Ration | 10.61 | 16.00 | 17.25 |
| 8910 | Pure Feed Turkey Finisher | 12.26 | 16.00 | 16.75 |
| 9648 | West-Nesbitt Milk Replacer | 5.61 | 21.00 | 21.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                         |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                   |
| 3.50                     | 4.58  | 8.50                     | 4.00  | Nicarbazin: Guar., 0.0125%; found, 0.0150%. Arsanilic acid: Guar., 0.0095%; found, 0.0085%.<br><br>Glycarbylamide: Guar., 0.003%; found, 0.0031%. |
| 3.00                     | 3.85  | 8.50                     | 6.50  |                                                                                                                                                   |
| 3.50                     | 3.88  | 9.00                     | 7.33  |                                                                                                                                                   |
| 2.00                     | 2.63  | 16.00                    | 12.25 |                                                                                                                                                   |
| 4.00                     | 4.25  | 3.50                     | 2.49  |                                                                                                                                                   |
| 2.50                     | 2.67  | 12.50                    | 10.28 |                                                                                                                                                   |
| 3.50                     | 4.17  | 9.00                     | 7.00  |                                                                                                                                                   |
| 4.50                     | 4.69  | 4.00                     | 3.03  |                                                                                                                                                   |
| 3.50                     | 3.41  | 10.00                    | 6.80  |                                                                                                                                                   |
| 3.50                     | 3.59  | 8.50                     | 7.26  |                                                                                                                                                   |
| 3.50                     | 3.50  | 4.00                     | 3.52  |                                                                                                                                                   |
| 3.00                     | 3.09  | 9.00                     | 6.21  |                                                                                                                                                   |
| 3.00                     | 4.04  | 8.00                     | 7.01  |                                                                                                                                                   |
| 3.00                     | 4.09  | 4.50                     | 4.48  |                                                                                                                                                   |
| 3.00                     | 4.17  | 15.00                    | 10.70 |                                                                                                                                                   |
| 3.50                     | 3.64  | 10.00                    | 6.67  |                                                                                                                                                   |
| 3.50                     | 3.19  | 8.50                     | 6.08  |                                                                                                                                                   |
| 3.00                     | 4.33  | 5.00                     | 4.72  |                                                                                                                                                   |
| 3.00                     | 3.01  | 6.50                     | 6.25  |                                                                                                                                                   |
| 3.50                     | 3.30  | 8.50                     | 6.06  |                                                                                                                                                   |
| 3.00                     | 4.46  | 5.00                     | 4.98  |                                                                                                                                                   |
| 3.00                     | 3.44  | 11.00                    | 6.81  |                                                                                                                                                   |
| 3.00                     | 3.79  | 5.00                     | 3.71  |                                                                                                                                                   |
| 3.50                     | 4.01  | 8.00                     | 5.87  |                                                                                                                                                   |
| 3.00                     | 4.13  | 6.00                     | 4.07  |                                                                                                                                                   |
| 8.50                     | 8.14  | 0.50                     | 0.36  |                                                                                                                                                   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                   | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|------------------------------------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                                                          |          | Guaranteed not less than | Found        |
| 9434        | A. C. WETHERELL<br>Suffield, Conn.<br>Special Dairy Mixture No. 3                        | 12.46    | 16.00                    | 16.50        |
| 8762        | WHITMOYER LABORATORIES,<br>INC., Myerstown, Pa.<br>Flav-A-Dee                            | 8.88     | 38.00                    | 39.75        |
| 9661        | WILKINS-ROGERS MILLING CO.,<br>INC., Washington, D. C.<br>Washington Coarse Scratch Feed | 12.35    | 8.00                     | 9.50         |
| 9660        | Washington Laying Mash                                                                   | 9.98     | 20.00                    | 20.75        |
| 9633        | WILSON'S CORN PRODUCTS, INC.<br>Rochester, Ind.<br>Wilson's Hominy Feed                  | 11.62    | 9.50                     | 11.75        |
| 9133        | WIRTHMORE FEEDS INC.<br>Waltham, Mass.<br>Big W 16% Dairy Feed                           | 10.81    | 16.00                    | 18.38        |
| 9236        | Big W 20% Dairy Feed                                                                     | 10.81    | 20.00                    | 23.75        |
| 9235        | Wirthmore All Pellet 16% Dairy<br>Feed                                                   | 9.89     | 16.00                    | 18.00        |
| 9483        | Wirthmore All Pellet 20% Dairy<br>Feed                                                   | 11.11    | 20.00                    | 20.75        |
| 9392        | Wirthmore Breeder Mash                                                                   | 10.86    | 20.00                    | 20.88        |
| 9696        | Wirthmore Cage Layer Ration<br>Medicated                                                 | 10.06    | 16.50                    | 18.00        |
| 9399        | Wirthmore Calf Starter Meal                                                              | 10.65    | 22.00                    | 25.00        |
| 9094        | Wirthmore Calving Feed                                                                   | 11.74    | 14.00                    | 16.13        |
| 9402        | Wirthmore Chick Starter                                                                  | 10.01    | 20.00                    | 22.13        |
| 9711        | Wirthmore Chick Starter 400<br>Medicated                                                 | 11.06    | 20.00                    | 21.00        |
| 9758        | Wirthmore Coccidiosis Treatment<br>Ration 411 Medicated                                  | 11.87    | 22.00                    | 22.63        |
| 9146        | Wirthmore Commercial Grower<br>Layer                                                     | 11.81    | 16.00                    | 16.00        |
| 9730        | Wirthmore Commercial Hi-Ener-G<br>Broiler Ration 613 Medicated                           | 10.30    | 22.00                    | <u>21.13</u> |

           indicates deficiencies.

INSPECTION OF 1959

| Fat                      |             | Fiber                    |       | Medicants                                                                                                       |
|--------------------------|-------------|--------------------------|-------|-----------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                                 |
| 3.50                     | <u>3.19</u> | 9.00                     | 6.06  |                                                                                                                 |
| 9.00                     | 13.69       | 5.00                     | 3.13  |                                                                                                                 |
| 2.50                     | 3.13        | 5.00                     | 2.24  |                                                                                                                 |
| 3.00                     | 3.50        | 6.50                     | 6.03  |                                                                                                                 |
| 6.50                     | 6.53        | 6.00                     | 4.38  |                                                                                                                 |
| 3.00                     | 3.29        | 10.00                    | 8.04  |                                                                                                                 |
| 3.00                     | 3.94        | 10.00                    | 6.95  |                                                                                                                 |
| 4.00                     | 4.09        | 9.00                     | 6.50  |                                                                                                                 |
| 4.00                     | 4.31        | 9.00                     | 7.36  |                                                                                                                 |
| 3.50                     | 4.70        | 5.50                     | 4.44  |                                                                                                                 |
| 6.00                     | 6.08        | 4.50                     | 3.04  | Sodium arsenilate: Guar.,<br>0.0088%; found, 0.0090%.                                                           |
| 4.00                     | <u>3.52</u> | 7.00                     | 5.10  |                                                                                                                 |
| 3.50                     | 3.70        | 10.00                    | 6.01  |                                                                                                                 |
| 4.00                     | 4.44        | 5.00                     | 4.17  |                                                                                                                 |
| 4.00                     | 3.96        | 5.00                     | 4.41  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, <u>0.0138%</u> .                                                    |
| 5.50                     | 5.43        | 4.00                     | 2.56  | Sulfaquinoxaline: Guar.,<br>0.050%; found, 0.0484%.                                                             |
| 3.50                     | 3.42        | 4.50                     | 4.86  |                                                                                                                 |
| 5.50                     | 6.74        | 3.50                     | 3.02  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0134%. Sodium<br>arsenilate: Guar., 0.0088%;<br>found, <u>0.0108%</u> . |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                           |          | Guaranteed not less than | Found |
| 9490        | Wirthmore Complete Breeder Ration                         | 11.49    | 15.00                    | 17.13 |
| 8715        | Wirthmore Complete Egg Ration                             | 12.42    | 16.00                    | 17.00 |
| 9812        | Wirthmore Complete Egg Ration 412 Medicated               | 11.31    | 16.00                    | 17.00 |
| 9096        | Wirthmore Complete Growing Ration                         | 10.59    | 13.50                    | 15.13 |
| 9362        | Wirthmore Complete Turkey Fattening Ration                | 11.16    | 16.00                    | 17.38 |
| 8917        | Wirthmore 14 Dairy Feed                                   | 13.36    | 14.00                    | 15.50 |
| 8718        | Wirthmore 16 Dairy Feed                                   | 11.47    | 16.00                    | 16.88 |
| 9234        | Wirthmore 20 Dairy Feed                                   | 10.43    | 20.00                    | 22.75 |
| 8717        | Wirthmore 14 Dairy Fitting Feed                           | 13.32    | 14.00                    | 16.00 |
| 9401        | Wirthmore 36% Dairy Mixing Feed                           | 9.73     | 36.00                    | 39.25 |
| 8919        | Wirthmore 16 Dairy Record Feed                            | 14.06    | 16.00                    | 17.63 |
| 9391        | Wirthmore 18 Dairy Record Feed                            | 10.65    | 18.00                    | 20.63 |
| 8719        | Wirthmore Grow & Egg Mash                                 | 11.11    | 20.00                    | 20.13 |
| 8722        | Wirthmore Hi-Ener-G 16                                    | 11.65    | 16.00                    | 16.00 |
| 9708        | Wirthmore Hi-Ener-G 16 456 Medicated                      | 11.01    | 16.00                    | 16.25 |
| 8886        | Wirthmore Hi-Ener-G Breeder                               | 11.95    | 16.00                    | 17.13 |
| 8831        | Wirthmore Hog Grower                                      | 12.07    | 15.00                    | 16.00 |
| 9436        | Wirthmore Hog Grower                                      | 11.49    | 15.00                    | 17.13 |
| 8857        | Wirthmore Horse Feed                                      | 12.71    | 10.00                    | 12.50 |
| 9591        | Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated | 10.27    | 22.00                    | 22.00 |
| 9363        | Wirthmore Meatless Mink Food                              | 8.62     | 12.00                    | 13.50 |
| 9151        | Wirthmore Medicated Quickies                              | 11.50    | 20.00                    | 22.00 |
| 9753        | Wirthmore Medicated Rabbit Pellets                        | 10.46    | 17.00                    | 17.63 |
| 9710        | Wirthmore Medicated Treat                                 | 10.36    | 20.00                    | 20.00 |
| 9148        | Wirthmore Mink Food                                       | 10.99    | 23.00                    | 25.38 |
| 8916        | Wirthmore New Hope Horse Feed                             | 14.05    | 12.00                    | 13.00 |
| 8835        | Wirthmore Pig & Sow Feed                                  | 11.94    | 17.00                    | 17.75 |
| 8720        | Wirthmore Poultry Fitting                                 | 14.16    | 11.50                    | 11.50 |
| 9847        | Wirthmore Poultry Wormer                                  | 10.11    | 17.00                    | 20.50 |

~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                  |
|--------------------------|-------|--------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                            |
| 3.50                     | 3.80  | 5.00                     | 4.40  | Sulfaquinoxaline: Guar., 0.0125%; found, 0.0132%.                                                                                          |
| 3.50                     | 4.64  | 4.50                     | 4.48  |                                                                                                                                            |
| 3.50                     | 3.38  | 4.50                     | 3.98  |                                                                                                                                            |
| 3.00                     | 4.12  | 7.00                     | 5.50  |                                                                                                                                            |
| 4.00                     | 5.03  | 5.00                     | 4.30  |                                                                                                                                            |
| 3.50                     | 3.94  | 9.00                     | 6.95  |                                                                                                                                            |
| 3.50                     | 3.76  | 9.00                     | 6.11  |                                                                                                                                            |
| 3.50                     | 3.54  | 9.00                     | 6.46  |                                                                                                                                            |
| 3.50                     | 4.34  | 8.50                     | 7.99  |                                                                                                                                            |
| 2.00                     | 3.09  | 9.00                     | 8.05  |                                                                                                                                            |
| 3.50                     | 3.81  | 8.50                     | 6.54  |                                                                                                                                            |
| 3.50                     | 3.63  | 8.50                     | 6.75  |                                                                                                                                            |
| 4.00                     | 4.73  | 5.00                     | 4.92  |                                                                                                                                            |
| 4.00                     | 5.33  | 4.50                     | 3.46  |                                                                                                                                            |
| 4.50                     | 4.34  | 4.50                     | 3.90  | Sodium arsenilate: Guar., 0.0088%; found, 0.0091%.                                                                                         |
| 3.50                     | 5.94  | 4.00                     | 3.44  |                                                                                                                                            |
| 4.00                     | 4.43  | 6.00                     | 4.58  |                                                                                                                                            |
| 4.00                     | 4.10  | 6.00                     | 4.51  |                                                                                                                                            |
| 3.50                     | 3.13  | 9.00                     | 5.10  |                                                                                                                                            |
| 5.50                     | 6.59  | 3.50                     | 2.80  | Sodium arsenilate: Guar., 0.0088%, found, 0.0110%.<br>Nicarbazin: Guar., 0.0125%; found, 0.0138%.                                          |
| 6.00                     | 6.30  | 5.00                     | 3.31  |                                                                                                                                            |
| 3.50                     | 4.24  | 4.50                     | 4.32  | Antibiotic guaranteed, not determined.<br>Sulfaquinoxaline: Guar., 0.025%; found, 0.0103%.<br>Furazolidone: Guar., 0.022%; found, 0.0170%. |
| 3.00                     | 3.84  | 11.00                    | 9.04  |                                                                                                                                            |
| 3.50                     | 4.94  | 4.50                     | 3.89  |                                                                                                                                            |
| 7.00                     | 7.08  | 4.00                     | 3.38  |                                                                                                                                            |
| 3.50                     | 3.46  | 6.00                     | 5.23  |                                                                                                                                            |
| 3.50                     | 4.12  | 6.00                     | 5.00  |                                                                                                                                            |
| 2.50                     | 2.78  | 6.50                     | 6.06  |                                                                                                                                            |
| 4.50                     | 4.56  | 4.00                     | 3.35  | Phenothiazine: Guar., 0.45%; found, 0.365%. Piperazine guaranteed, not determined.                                                         |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.                                   | Manufacturer and brand                       | Moisture | Protein<br>(N x 6.25)    |       |
|-----------------------------------------------|----------------------------------------------|----------|--------------------------|-------|
|                                               |                                              |          | Guaranteed not less than | Found |
| 9437                                          | Wirthmore Rabbit Pellets                     | 9.79     | 17.00                    | 17.00 |
| 9694                                          | Wirthmore Roaster Finisher 426 Medicated     | 11.25    | 17.00                    | 20.00 |
| 9095                                          | Wirthmore Scratch                            | 13.20    | 9.00                     | 9.38  |
| 8832                                          | Wirthmore Stock Primer                       | 12.31    | 15.00                    | 16.13 |
| 9400                                          | Wirthmore Super Pellets                      | 9.59     | 23.00                    | 25.13 |
| 9361                                          | Wirthmore Turkey Growing Ration              | 9.99     | 23.00                    | 23.88 |
| 9149                                          | Wirthmore Twin-Mix Calf Feed                 | 12.39    | 18.00                    | 19.38 |
| WIRTHMORE STORE<br>New Haven, Conn.           |                                              |          |                          |       |
| 9147                                          | Davis 16% Dairy Ration                       | 14.11    | 16.00                    | 16.25 |
| 9150                                          | Davis Horse Feed                             | 14.00    | 9.50                     | 9.88  |
| YANTIC GRAIN & PRODUCTS CO.<br>Norwich, Conn. |                                              |          |                          |       |
| 9291                                          | Big Y Calf & Beef Ration                     | 11.66    | 10.00                    | 12.13 |
| 9104                                          | Big Y Calf Starter & Builder                 | 11.73    | 17.00                    | 18.50 |
| 9439                                          | Big Y Chick Scratch Grain                    | 13.45    | 10.00                    | 10.63 |
| 9289                                          | Big Y Chlortetracycline (Aureomycin) Mixture | 10.81    | 15.00                    | 16.00 |
| 8923                                          | Big Y Confinement Growing Mash               | 12.11    | 15.00                    | 15.63 |
| 9722                                          | Big Y Confinement Growing Mash Medicated     | 11.01    | 15.00                    | 15.38 |
| 9478                                          | Big Y Controlled Growing Ration              | 10.79    | 15.00                    | 15.00 |
| 8924                                          | Big Y Dairy & Fitting Ration                 | 12.54    | 14.00                    | 17.75 |
| 9549                                          | Big Y Dairy & Fitting Ration                 | 10.49    | 12.00                    | 13.63 |
| 8742                                          | Big Y Dairy Ration 16%                       | 12.76    | 16.00                    | 16.38 |
| 8925                                          | Big Y 18% Dairy Ration                       | 12.89    | 18.00                    | 19.75 |
| 8743                                          | Big Y 20% Dairy Ration                       | 13.00    | 20.00                    | 21.75 |
| 9105                                          | Big Y Dairy Ration Purity                    | 11.14    | 16.00                    | 16.88 |
| 9628                                          | Big Y Dairy Ration Purity                    | 11.01    | 14.00                    | 17.50 |
| 9629                                          | Big Y 32% Dairy Supplement Feed              | 10.04    | 32.00                    | 30.88 |
| 9855                                          | Big Y Extra Production Laying Mash Medicated | 10.52    | 16.00                    | 16.13 |
| 9108                                          | Big Y Grower-Layer Mash                      | 11.17    | 16.00                    | 16.00 |
| 9595                                          | Big Y Hi-Efficiency Breeder Ration           | 10.66    | 15.00                    | 16.00 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.18 | 11.00 | 10.34 | Sodium arsanilate: Guar., 0.0088%; found, 0.0085%.
Nicarbazin: Guar., 0.0125%; found, 0.0136%. |
| 4.50 | 4.53 | 4.00 | 2.97 | |
| 2.50 | 2.63 | 4.00 | 2.93 | |
| 3.00 | 3.63 | 10.00 | 6.05 | |
| 3.50 | 4.29 | 5.50 | 5.07 | |
| 3.50 | 4.58 | 6.00 | 5.83 | |
| 3.00 | 3.41 | 8.00 | 5.14 | |
| 3.50 | 3.74 | 8.00 | 6.10 | |
| 2.50 | 2.53 | 11.00 | 9.55 | |
| 3.00 | 3.48 | 9.00 | 5.10 | |
| 2.50 | 3.54 | 7.50 | 5.40 | |
| 2.00 | 2.83 | 4.00 | 1.48 | |
| 3.50 | 4.38 | 5.00 | 3.53 | |
| 3.50 | 4.48 | 5.00 | 3.73 | Nitrophenide: Guar., 0.025%; found, 0.021%. |
| 3.50 | 3.93 | 5.00 | 3.42 | |
| 3.00 | 3.30 | 10.00 | 8.94 | |
| 3.50 | 4.67 | 9.00 | 7.63 | |
| 3.00 | 3.85 | 8.50 | 6.62 | |
| 3.50 | 4.00 | 8.50 | 7.75 | |
| 3.00 | 3.37 | 9.00 | 7.93 | |
| 3.00 | 4.02 | 9.00 | 7.48 | |
| 3.50 | 3.59 | 9.00 | 7.42 | |
| 3.50 | 4.39 | 9.00 | 8.03 | |
| 3.00 | 2.53 | 8.00 | 7.57 | Arsanilic acid: Guar., 0.010%; found, 0.0118%. |
| 4.00 | 4.04 | 5.00 | 4.86 | |
| 3.50 | 4.18 | 4.00 | 3.81 | |
| 3.50 | 4.16 | 4.00 | 3.02 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 8741 | Big Y Hi-Efficiency Laying Mash | 11.71 | 16.00 | 16.00 |
| 8740 | Big Y High Efficiency Grower | 12.44 | 15.00 | 16.38 |
| 9761 | Big Y High Efficiency Grower Medicated | 11.50 | 15.00 | 15.25 |
| 9575 | Big Y Hi-G Dairy Ration | 10.63 | 16.00 | 17.63 |
| 9290 | Big Y Hi-G Scratch Feed | 12.20 | 9.00 | 9.75 |
| 9480 | Big Y Hog & Pig Ration | 11.22 | 17.00 | 18.25 |
| 9334 | Big Y Horse Feed | 11.80 | 10.00 | 11.63 |
| 9551 | Big Y Improved Al-Mo | 9.98 | 10.00 | 14.63 |
| 9763 | Big Y Improved Broiler Finisher Medicated | 11.38 | 19.00 | 20.75 |
| 9766 | Big Y Improved Broiler & Starter Ration Medicated | 10.77 | 21.00 | 21.00 |
| 8744 | Big Y Improved Finisher | 10.94 | 19.00 | 22.50 |
| 9877 | Big Y Improved Turkey Starter & Game Bird Feed Medicated | 9.80 | 28.00 | 28.38 |
| 9596 | Big Y Intermediate Chick Grain | 12.26 | 10.00 | 12.00 |
| 9479 | Big Y 20% Laying Mash | 10.22 | 20.00 | 20.00 |
| 9594 | Big Y M & O Growing Feed | 10.91 | 18.00 | 18.00 |
| 9760 | Big Y Peerless Broiler & Starter Ration Medicated | 10.63 | 23.00 | 24.25 |
| 9500 | Big Y Poultry Fitting Ration | 12.43 | 10.00 | 12.38 |
| 9869 | Big Y Powerhouse Crumbles Medicated | 11.12 | 20.00 | 20.25 |
| 9767 | Big Y Pre-Starter Medicated | 10.57 | 26.00 | 24.75 |
| 9340 | Big Y Rabbit Pellets | 10.11 | 16.00 | 16.38 |
| 8926 | Big Y Scratch Feed | 15.17 | 9.00 | 10.50 |
| 9550 | Big Y Sheep & Goat Feed | 11.55 | 16.00 | 16.63 |
| 9630 | Big Y Station Fattener Pellets | 10.87 | 12.00 | 12.38 |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                                                       |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                                                                 |
| 3.50                     | 3.71  | 4.00                     | 3.54  | Nicarbazin: Guar., 0.0125%; found, 0.0090%. Arsanilic acid: Guar., 0.0095%; found, 0.0112%.                                                                                     |
| 3.50                     | 4.97  | 5.00                     | 4.50  |                                                                                                                                                                                 |
| 3.50                     | 3.62  | 5.00                     | 3.56  |                                                                                                                                                                                 |
| 3.00                     | 3.48  | 11.00                    | 7.58  |                                                                                                                                                                                 |
| 2.00                     | 2.82  | 5.00                     | 4.13  |                                                                                                                                                                                 |
| 3.50                     | 3.71  | 8.00                     | 6.22  |                                                                                                                                                                                 |
| 2.50                     | 3.08  | 9.00                     | 5.91  |                                                                                                                                                                                 |
| 1.50                     | 3.67  | 17.00                    | 10.33 |                                                                                                                                                                                 |
| 5.00                     | 4.96  | 4.00                     | 3.50  |                                                                                                                                                                                 |
| 5.00                     | 5.09  | 4.00                     | 2.92  |                                                                                                                                                                                 |
| 5.00                     | 5.49  | 4.00                     | 3.62  | Nicarbazin: Guar., 0.0125%; found, 0.0128%. Arsanilic acid: Guar., 0.0095%; found, 0.0099%.                                                                                     |
| 4.50                     | 5.23  | 5.00                     | 2.94  |                                                                                                                                                                                 |
| 2.50                     | 3.76  | 5.00                     | 2.57  |                                                                                                                                                                                 |
| 3.50                     | 3.54  | 6.00                     | 5.23  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0460%.                                                                                                                               |
| 3.50                     | 4.94  | 6.00                     | 5.05  |                                                                                                                                                                                 |
| 5.50                     | 5.43  | 4.00                     | 2.61  | Nicarbazin: Guar., 0.0125%; found, 0.0140%. Arsanilic acid: Guar., 0.0095%; found, 0.0098%.                                                                                     |
| 3.00                     | 3.53  | 8.00                     | 4.35  |                                                                                                                                                                                 |
| 3.50                     | 3.74  | 6.00                     | 5.89  |                                                                                                                                                                                 |
| 8.00                     | 7.59  | 3.50                     | 2.91  | Furazolidone: Guar., 0.011%; found, 0.0105%. Antibiotic guaranteed, not determined. Nicarbazin: Guar., 0.0125%; found, 0.0134%. Arsanilic acid: Guar., 0.0095%; found, 0.0110%. |
| 3.00                     | 4.29  | 10.00                    | 8.49  |                                                                                                                                                                                 |
| 2.00                     | 2.01  | 5.00                     | 3.45  |                                                                                                                                                                                 |
| 3.00                     | 4.28  | 8.50                     | 6.62  |                                                                                                                                                                                 |
| 3.00                     | 3.14  | 12.00                    | 9.02  |                                                                                                                                                                                 |
|                          |       |                          |       |                                                                                                                                                                                 |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                  | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|-----------------------------------------|----------|--------------------------|--------------|
|             |                                         |          | Guaranteed not less than | Found        |
| 9762        | Big Y Starter Ration Medicated          | 10.89    | 20.00                    | 21.88        |
| 9574        | Big Y Stock Feed                        | 10.33    | 9.00                     | 12.00        |
| 9752        | Big Y Super Starter Ration Medicated    | 11.46    | 20.00                    | 19.38        |
| 9755        | Big Y Super Starter Ration Medicated    | 10.86    | 21.00                    | <u>19.38</u> |
| 9416        | Big Y Supreme Laying Mash               | 10.22    | 16.00                    | 17.38        |
| 8921        | Big Y Test Cow Ration                   | 12.95    | 16.00                    | 18.00        |
| 8745        | Big Y Turkey Growing Feed               | 11.15    | 20.00                    | 20.25        |
| 9923        | Big Y Worming Mash                      | 10.72    | 18.00                    | 19.25        |
|             | YELDMOR FEEDS, INC.<br>Piqua, Ohio      |          |                          |              |
| 9951        | David Small's Broiler Feed Medicated    | 10.86    | 24.00                    | 25.50        |
| 9949        | David Small's Finishing Feed Medicated  | 10.00    | 20.00                    | 21.50        |
| 9950        | Yieldmor Broiler Booster Medicated M-24 | 11.07    | 20.00                    | 20.63        |

~~~~~ indicates deficiencies.

INSPECTION OF 1959

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.84 | 4.50 | 3.44 | Nicarbazin: Guar., 0.0125%; found, 0.0146%. Arsanilic acid: Guar., 0.0095%; found, 0.0100%. |
| 2.50 | 4.29 | 15.00 | 7.61 | |
| 3.50 | 4.69 | 4.50 | 3.09 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0198%.
Sulfaquinoxaline: Guar., 0.0175%; found, 0.0162%. |
| 4.00 | 4.69 | 4.00 | 2.71 | |
| 5.00 | 5.48 | 4.00 | 3.59 | |
| 3.00 | 4.28 | 8.50 | 6.54 | |
| 3.50 | 4.03 | 6.00 | 5.25 | |
| 3.50 | 3.51 | 6.00 | 5.29 | Phenothiazine: Guar., 0.50%; found, 0.460%. Piperazine: guaranteed, not determined. |
| 7.50 | 7.98 | 4.00 | 2.02 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0058%. 3,5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0250%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0304%. |
| 7.50 | 7.78 | 3.50 | 2.29 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0050%; found, 0.0058%. 3,5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0225%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0308%. |
| 7.50 | <u>6.79</u> | 3.50 | 2.55 | 3,5-Dinitrobenzamide: Guar., 0.0250%; found, 0.0250%. Acetyl (para-nitrophenyl) sulfanilamide: Guar., 0.030%; found, 0.0284%. Antibiotic guaranteed, not determined. |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------------|--|--|
| 8940 | CHEMO PURO MANUFACTURING CORP., Newark, N. J.
Chemo Nutrient Premix MGS-3 | Jewett City, 9/15, 9129 |
| 7395 | DAWE'S LABORATORIES, INC.
Chicago, Ill. | Middletown, 3/3, 6379 |
| 7804 | Dawe's Fermentation Flavonne | Middletown, 4/24, 7015 |
| 8678 | Dawe's Fermentation Flavonne | Middletown, 8/19, 8619 |
| 7805 | Dawe's Vitamelk (Ruminant Type) | Middletown, 4/24, 7009 |
| 7394 | Special Broiler Mix No. 571-D | Middletown, 3/3, 6378 |
| 8679 | Special Broiler Mix No. 571-D | Middletown, 8/19, 8620 |
| 7798 | EASTERN STATES FARMERS' EXCHANGE, INC.
West Springfield, Mass.
Calfsaver Tablets | Yantic, 4/22, 9950-007-110 |
| 7398 | THE FOX CO.
Newfield, N. J. | Shelton, 3/4, 111358 |
| 7792 | Foxco Qualadee A & D Feeding Oil | New Haven, 3/20, 123158 |
| 7408 | Vitamin 2-4-9-C Supplement | Norwich, 3/5, 1228K-928L |
| 9265 | PETER HAND FOUNDATION
Chicago, Ill. | No. Franklin, 10/23, 1029H |
| 9263 | Custom High Energy Pre-Mix | No. Franklin, 10/23, 8580 |
| 9264 | Custom Roaster Premix No. 2634
Custom W. M. Plain Premix | No. Franklin, 10/23, 7528 |
| 7403 | KRAFT FOODS
New York, N. Y. | Norwich, 3/5, None |
| 9376 ¹ | G-AN-EN Dog Food Supplement
Kray-9 | Norwalk, 11/3, 90110 |
| 8682 | MARINE PRODUCTS CO.
Boston, Mass. | Norwich, 8/27, 59-72 |
| 9445 | Vitamin A & D Feeding Oil | Norwich, 11/16, 9036 |

¹ Thiamine, mg/lb: Guar., 7.2; found, 1.49.

~~~~~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Riboflavin,<br>mg/lb. |             | Niacin,<br>mg/lb. |              | Pantothenic<br>acid, mg/lb. |             |
|-------------------------|-------|-----------------------|-------------|-------------------|--------------|-----------------------------|-------------|
| Guar.                   | Found | Guar.                 | Found       | Guar.             | Found        | Guar.                       | Found       |
|                         |       | 400                   | 430         | 4000              | 4010         | 924                         | 1017        |
| 18,160                  | OK    |                       |             |                   |              |                             |             |
| 18,160                  | OK    | 45.0                  | 39.9        | 140.0             | 117.7        | 40.0                        | 34.5        |
| 18,160                  | OK    | 45.0                  | <u>55.5</u> | 140.0             | 120.0        | 40.0                        | <u>27.0</u> |
|                         |       | 15.4                  | <u>20.2</u> | 90.0              | <u>137.6</u> | 16.3                        | <u>30.3</u> |
| 14,582                  | OK    |                       |             |                   |              |                             |             |
| 14,582                  | OK    | 42.0                  | 46.8        | 180               | 166          | 61.0                        | 63.4        |
|                         |       |                       |             | 50                | 53.2         |                             |             |
| 136,200                 | OK    |                       |             |                   |              |                             |             |
| 136,200                 | OK    |                       |             |                   |              |                             |             |
|                         |       | 2000                  | 1803        | 9000              | 9659         | 4000                        | 4148        |
| 272,400                 | OK    | 800                   | 892         | 4540              | 4490         |                             |             |
| 192,857                 | OK    | 457                   | 466         | 6514              | 6940         | 253                         | <u>314</u>  |
| 136,000                 | OK    | 600                   | 571         | 4000              | 3469         | 370                         | <u>379</u>  |
|                         |       | 10                    | <u>14.6</u> | 35                | <u>60.3</u>  |                             |             |
|                         |       | 10                    | <u>12.8</u> | 35                | <u>55.8</u>  |                             |             |
| 136,080                 | OK    |                       |             |                   |              |                             |             |
| 136,080                 | OK    |                       |             |                   |              |                             |             |



TABLE 2. VITAMIN CARRIERS

| 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 |
|             | MERCK & CO., INC.<br>Rahway, N. J.          |                                                   |                      |       |                    |       |                |       |                          |       |
| 7402        | No. 752 Feed Supplement                     | Norwich, 3/5, M3979No. 3                          |                      |       |                    |       |                |       |                          |       |
| 7797        | No. 752 Feed Supplement                     | Norwich, 4/22, 5909No. 4                          |                      |       |                    |       |                |       |                          |       |
| 8684        | No. 812 Feed Supplement                     | Norwich, 8/27, M1083-9No. 3                       |                      |       |                    |       |                |       |                          |       |
|             | MYZON, INC.<br>Chicago, Ill.                |                                                   |                      |       |                    |       |                |       |                          |       |
| 7410        | Myzon Formula 62 Poultry Builder            | Hamden, 3/6, None                                 |                      |       |                    |       |                |       |                          |       |
| 7404        | Myzon Poultry Builder                       | Norwich, 3/5, None                                |                      |       |                    |       |                |       |                          |       |
|             | NOPCO CHEMICAL CO.<br>Newark, N. J.         |                                                   |                      |       |                    |       |                |       |                          |       |
| 7794        | Nopdex "3000"                               | Norwich, 4/22, V6861                              |                      |       |                    |       |                |       |                          |       |
| 8680        | Nopdex "3000"                               | Norwich, 8/27, V7632                              |                      |       |                    |       |                |       |                          |       |
| 9446        | Nopdex "3000"                               | Norwich, 11/16, V8145                             |                      |       |                    |       |                |       |                          |       |
| 7407        | Nopco-Pak Hi-Lay Premix                     | Norwich, 3/5, Code DDA<br>527-11514 800 12/58     |                      |       |                    |       |                |       |                          |       |
| 9448        | Nopco-Pak Hi-Lay Premix                     | Norwich, 11/16, Code DDA<br>800/6/59              |                      |       |                    |       |                |       |                          |       |
| 7025        | Nopco-Pak Mix No. 3 Starter Premix          | Manchester, 1/15, Code DTL<br>527-11878 410 11/58 |                      |       |                    |       |                |       |                          |       |
| 7405        | Nopco-Pak Super Premix                      | Norwich, 3/5, Code DMW<br>527-11744 510 6/58      |                      |       |                    |       |                |       |                          |       |
| 7795        | Nopco-Pak Super Premix                      | Norwich, 4/22, Code EAZ<br>527-12033 510 4/59     |                      |       |                    |       |                |       |                          |       |
| 8681        | Nopco-Pak Super Premix                      | Norwich, 8/27, Code EAZ<br>527-12033 510 4/59     |                      |       |                    |       |                |       |                          |       |
| 9447        | Nopco-Pak Super Premix                      | Norwich, 11/16, Code EAZ<br>510/4/59              |                      |       |                    |       |                |       |                          |       |
|             | CHAS. PFIZER & CO., INC.<br>Brooklyn, N. Y. |                                                   |                      |       |                    |       |                |       |                          |       |
| 9061        | Derby Feeds Poultry Mix                     | Derby, 9/22, 2269                                 |                      |       |                    |       |                |       |                          |       |
| 7796        | High Lay Premix                             | Norwich, 4/22, AK0709                             |                      |       |                    |       |                |       |                          |       |
| 8683        | High Lay Premix                             | Norwich, 8/27, AK1629                             |                      |       |                    |       |                |       |                          |       |
| 7401        | R-4                                         | Norwich, 3/5, None                                |                      |       |                    |       |                |       |                          |       |

~ 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       |
| 85,125               | OK         |                    |       |                |       |                          |             |
| 85,125               | OK         | 500                | 462   | 3750           | 4006  | 460                      | 504         |
| 85,125               | OK         | 500                | 580   | 3750           | 3612  | 460                      | 446         |
| 164,000              | OK         | 160                | 152   | 640            | 607   | 160                      | 149         |
| 164,000              | OK         | 160                | 160   | 640            | 758   | 160                      | 167         |
| 1,361,000            | OK         |                    |       |                |       |                          |             |
| 1,361,000            | OK         |                    |       |                |       |                          |             |
| 1,361,000            | Pass       |                    |       |                |       |                          |             |
| 400,000              | OK         |                    |       |                |       |                          |             |
| 400,000              | OK         | 800                | 727   | 8000           | 6696  | 1478                     | <u>1172</u> |
| 103,100              | OK         | 350                | 387   | 4500           | 4770  | 739                      | 866         |
| 170,300              | OK         |                    |       |                |       |                          |             |
| 170,300              | OK         | 1000               | 1116  | 7500           | 7890  | 924                      | 1051        |
| 170,300              | Below std. | 1000               | 1066  | 7500           | 6704  | 924                      | 869         |
| 170,300              | OK         | 1000               | 943   | 7500           | 6915  | 924                      | 763         |
|                      |            | 400                | 352   | 4000           | 3964  | 920                      | 862         |
| 400,000              | OK         | 800                | 729   | 8000           | 7634  | 1472                     | 1631        |
| 400,000              | OK         | 800                | 781   | 8000           | 6409  | 1472                     | 1310        |
|                      |            | 4000               | 4180  |                |       |                          |             |

TABLE 2. VITAMIN CARRIERS

| Station No.       | Manufacturer and brand                              | Place, date of sampling and control number                     |
|-------------------|-----------------------------------------------------|----------------------------------------------------------------|
|                   | STABILIZED VITAMINS, INC.<br>Garfield, N. J.        |                                                                |
| 7799              | Perma-D-1500                                        | Manchester, 4/23, 11789                                        |
| 7023              | Perma-Mix C. C. C. No. 1                            | Manchester, 1/15, 2033-5                                       |
| 7393              | Perma-Mix C. C. C. No. 1                            | Manchester, 3/3, 2088-4                                        |
| 7301              | Perma-Mix C. C. C. No. 1                            | Manchester, 4/23, 2167-2                                       |
| 8674              | Perma-Mix C. C. C. No. 1                            | Manchester, 8/17, 2339                                         |
| 9440              | Perma-Mix C. C. C. No. 1                            | Manchester, 11/9, 2498                                         |
| 7802              | Perma-Mix C. C. C. No. 2                            | Manchester, 4/23, 2149                                         |
| 8675              | Perma-Mix C. C. C. No. 2                            | Manchester, 8/17, 2340                                         |
| 9441              | Perma-Mix C. C. C. No. 2                            | Manchester, 11/9, 2470                                         |
| 7800              | Perma-Mix C. C. C. No. 3                            | Manchester, 4/23, 2150                                         |
| 8676              | Perma-Mix C. C. C. No. 3                            | Manchester, 8/17, 2268                                         |
| 9442              | Perma-Mix C. C. C. No. 3                            | Manchester, 11/9, 2410                                         |
| 8677              | Perma-Mix C. C. C. No. 4                            | Manchester, 8/17, 2319                                         |
|                   | VITARON CHEMICAL MFG. CO.<br>INC., Garfield, N. J.  |                                                                |
| 7397              | Vitamin A & D Feeding Oil                           | Shelton, 3/4, 11032                                            |
| 7808              | Vitamin A & D Feeding Oil                           | Fairfield, 4/24, 11344                                         |
| 8673              | Vitamin A & D Feeding Oil                           | Shelton, 8/10, 12074                                           |
| 9443              | Vitamin A & D Feeding Oil                           | Shelton, 11/13, 12465                                          |
|                   | WHITMOYER LABORATORIES,<br>INC., Myerstown, Pa.     |                                                                |
| 7396              | Flav-A-Dee                                          | Bridgeport, 3/4, None                                          |
| 8672              | Flav-A-Dee                                          | Bridgeport, 8/10, None                                         |
| 7399              | Whitcod Pure Cod Liver Oil<br>USP Non Destearinated | Moosup, 3/5, 12257                                             |
|                   | WIRTHMORE FEEDS, INC.<br>Waltham, Mass.             |                                                                |
| 9052              | Wirthmore Cage Layer Ration                         | New Milford, 9/22, G132438                                     |
| 9266 <sup>2</sup> | Wirthmore Meatless Mink Food                        | Danbury, 10/26, 494714-<br>494700-494701-494696-<br>494697     |
| 8942 <sup>3</sup> | Wirthmore Mink Food                                 | New Haven, 9/16, A763307<br>A763306 A763505 A763301<br>A763304 |

<sup>2</sup> Thiamine, mg/lb.: Guar., 4; found, 6.22.

<sup>3</sup> Thiamine, mg/lb.: Guar., 4; found, 8.21.

~~~~ 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 |
| 6,810,000 | OK | | | | | | |
| 170,300 | OK | 400 | 420 | 5300 | <u>42</u> | 600 | 654 |
| 170,300 | OK | | | | | | |
| 170,300 | OK | | | 5300 | 5430 | | |
| | | 400 | 481 | 5300 | 5440 | 600 | 705 |
| 170,300 | OK | 400 | 419 | 5300 | 4257 | 600 | 499 |
| 102,100 | OK | | | | | | |
| | | 250 | <u>321</u> | 5000 | 5238 | 924 | 931 |
| 102,100 | OK | 250 | <u>264</u> | 5000 | 4105 | 924 | 968 |
| 103,100 | OK | 650 | 713 | 4500 | 4756 | 739 | 675 |
| 103,100 | OK | 650 | 735 | 4500 | 4378 | 739 | 661 |
| 103,100 | OK | 650 | 650 | 4500 | 4338 | 739 | 743 |
| 136,200 | OK | 500 | 443 | 4120 | 3549 | 872 | 731 |
| | | | | | | | |
| 136,200 | OK | | | | | | |
| 136,200 | OK | | | | | | |
| 136,200 | OK | | | | | | |
| | | | | | | | |
| 54,480 | OK | | | | | | |
| 54,480 | OK | 100 | 107 | 700 | 731 | 100 | 117 |
| | | | | | | | |
| 68,000 | OK | | | | | | |
| | | | | | | | |
| | | 1.8 | <u>3.35</u> | 16 | <u>23.7</u> | 4 | <u>6.01</u> |
| | | 4.5 | 4.1 | 20 | <u>39.6</u> | 7 | <u>6.80</u> |
| | | 4.5 | <u>5.84</u> | 20 | <u>25.2</u> | 7 | <u>8.63</u> |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------|---|--|
| 9063 | Wirthmore Pig & Sow Feed | Plainfield, 9/25, B720727-04-25-28-29 |
| 8943 | Wirthmore Twin-Mix Calf Feed | New Haven, 9/16, F140890 F138848 F140891 F140895 F138871 |
| | YANTIC GRAIN & PRODUCTS CO.
Norwich, Conn. | |
| 7793 | Big Y Vitamin A & D Feeding Oil | Norwich, 4/22. 326 |

~~~~~ 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       |
|                      |       | 2                  | <u>13.4</u> | 20             | <u>89.4</u> | 6                        | <u>18.0</u> |
|                      |       | 3                  | 2.83        | 3              | <u>21.1</u> | 1                        | <u>6.55</u> |
| 13,610               | OK    |                    |             |                |             |                          |             |