

Commercial
FEEDING STUFFS
1963 Report on Inspection

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Chief Chemist

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COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1963

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. Charles Hahn and Miss Helen Kocaba; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Lois Hornig; and sampling by Mr. R. Richard Nichols. Compilations by Mrs. Arnold Malmberg and Mrs. Marshall S. B. Brown.

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 registration 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 registration, registration fees and other legal requirements.

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

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

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

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

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

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

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

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

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or 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, 1963 to December 31, 1963, 178 firms registered 1,111 brands of feeding stuffs, and 21 firms registered 45 brands of vitamin carriers.

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

Acme Hominy Feed
Acme Wheat Bran
Acme Wheat Middlings with Ground Wheat Screenings

ALBERS MILLING CO., (A Division of Carnation Co.), 5045 Wilshire Blvd., Los Angeles 36, Cal.

Albers Calf Manna
Albers Rabbit Breeder Paks
Albers Sho-Glo
Albers Spur
Albers Suckle

AMERICAN CRYSTAL SUGAR CO., Boston Bldg., Denver 1, Colo.

Dried Beet Pulp with Beet Molasses
Plain Dried Beet Pulp

AMERICAN CYANAMID CO., P. O. Box 400, Princeton, N. J.

(See also Vitamin Carriers)

Arzene Arsenosobenzene Premix 4%
Cypip Diethylcarbamazine
Cyrea Urea Feed Compound
Cyzine 10% (2-acetylamine-5-nitrothiazole)
Enheptin A Premix 15%
Megasul 25% Nitrophenide
Nitrophenide 20

AMERICAN FEED CO., West 177th Street & Harlem River, New York 53, N. Y.

AFCO Brand Dried Bakery Product

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

Amaizo Gluten Meal
Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis 18, Mo.

Brewers' Dried Grains
Brewers' Dried Grains with 2% Spent Hops

ARCHER-DANIELS-MIDLAND CO., P. O. Box 532, Minneapolis 40, Minn.

ADM Linseed Meal 32% Protein Solvent Extracted
Archer Quality 44% Protein Solvent Extracted Soybean Meal
Archer Quality 50% Protein Dehulled Solvent Extracted Soybean Meal

ARCHER-DANIELS-MIDLAND CO. -Cont.

Small's 17% Dehydrated Alfalfa Meal with Ethoxyquin
 Small's 20% Dehydrated Alfalfa Meal with Ethoxyquin

ARMOUR & COMPANY, Union Stock Yards, So. St. Paul, Minn.

Armour Mink Food Mix
 Top-Pelt Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

BARBER & BENNETT, INC., Arch & Church St., Albany 1, N. Y.

Fort Orange All Mash Layer
 Fort Orange Calf Grower and Booster
 Fort Orange Golden Test Ration
 Fort Orange Milk Replacer

BAY STATE MILLING COMPANY, Leavenworth, Kan.

Registered by Albers Milling Co., Los Angeles 36, Cal.

"Bay State" Wheat Shorts with Ground Wheat Screenings

BEACON FEEDS, Beacon Division of Textron, Inc., Cayuga, N. Y.

Beacon Balancer Pellets
 Beacon Breeder All-Mash A Medicated
 Beacon Brisk
 Beacon Broiler Finisher APP Medicated
 Beacon Calf Grow
 Beacon Chinchilla Pellets
 Beacon "15" Coarse Test Cow Ration
 Beacon Complete Rabbit Pellets
 Beacon Complete Starter AP Medicated
 Beacon Dairy Fitting
 Beacon 0.0035% Dienestrol Diacetate Mix in Poultry
 Finisher LL
 Beacon 0.007% Dienestrol Diacetate Mix in Beacon
 Poultry Finisher (Pellets)
 Beacon Duck Breeder
 Beacon Duck Grower Finisher
 Beacon Duck Starter
 Beacon "22" Egg Mash
 Beacon Egg Mate A Medicated
 Beacon Goat Ration
 Beacon Grower All Mash
 Beacon "18" Growing Mash
 Beacon Hi-Energy Hog Finisher Pellets Medicated
 Beacon Hi-Energy "16" Test Pel-ets
 Beacon Hi-Energy "18" Test Pel-ets
 Beacon 0.011% Iodinated Casein* Mix Mixed with Beacon
 Duck Grower Finisher
 Beacon Lacto-Pels "16"
 Beacon LP Poultry Finisher APP Medicated (Pellets)
 Beacon Market Egg All-Mash A Medicated
 Beacon Medicated Poultry Mix 2 CT
 Beacon Milk Check Coarse "16"

BEACON FEEDS, Beacon Division of Textron, Inc. -Cont.

Beacon Milk Check Coarse "18"
 Beacon Milky Way "16" Pel-ets
 Beacon Milky Way "18" Pel-ets
 Beacon "24" Mixer
 Beacon "32" Mixer
 Beacon Poultry Fitting
 Beacon Prof-ets "16"
 Beacon Roaster Finisher APP Medicated (Pellets)
 Beacon Rumentrol Medicated
 Beacon Starter-Broiler APP Medicated
 Beacon Tally Ho Horse Feed
 Beacon "16" Test Cow Ration
 Beacon "18" Test Cow Ration
 Beacon Turkey Breeder All-Mash-Pellets
 Beacon Turkey Fattener All-Mash-Pellets
 Beacon Turkey Finisher All-Mash-Pellets
 Beacon Turkey Finisher All-Mash C Medicated-Pellets
 Beacon "20" Turkey Grower - Pellets
 Beacon "20" Turkey Grower C Medicated
 Beacon "22" Turkey and Game Bird Grower
 Beacon Turkey Starter AP Medicated
 Beacon Worm Mash
 Be-Co-Breeder A Medicated
 Be-Co Grower
 Be-Co Grower AP Medicated
 Be-Co-Lass
 Be-Co-Nurse Milk Replacer
 Bulky Green
 Hominy Feed
 Pro-pel "16" Dairy
 Wheat Middlings

BEACON FEED SERVICE, Uxbridge, Mass.

Beacon Keep Sweet Silage Preservative
 SNE Succulent
 SNE Sweet "16" Dairy

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco 18% Dairy Ration
 Nibco Fitting Ration
 Nibco Five Star Breeder
 Nibco Five Star Light Breeder
 Nibco Five Star Lo Color
 Nibco Five Star Roaster-Nicarbazin 0.010%, Dienestrol
 Diacetate 0.023%
 Nibco Five Star Roaster-Nicarbazin 0.010%, Dienestrol
 Diacetate 0.007%
 Nibco Five Star Roaster Nicarbazine 0.010%
 Nibco Five Star Weight Maker
 Nibco Five Star Weight Maker-Medicated-Nicarbazin 0.010%,
 3-Nitro 0.005%
 Nibco Five Star Weight Maker-Medicated-Nicarbazin 0.010%,
 3-Nitro 0.005%, Dienestrol Diacetate 0.0023%

THE BERKMAN GRAIN CO. -Cont.

Nibco Five Star Super Starter
 Nibco High Energy Layer
 Nibco High Energy Laying & Growing Mash
 Nibco Medicated Booster Feed
 Nibco Pullet Builder
 Nibco Pullet Developer
 Nibco Pullet Starter
 Nibco Special Five Star Lo Color - Nicarbazin 0.010%
 Nibco Special Five Star Lo Color - Nicarbazin 0.010%,
 Diestrol Diacetate 0.0023%

BEST FOODS, Division of Corn Products Co., 54 Fulton St.
 Buffalo, N. Y.

Oat Mill By-Product

BLATCHFORD CALF MEAL CO., 2 E. Madison St., Waukegan, Ill.

Blatchford's Calf Meal

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

Bloomfield 16% Dairy Ration
 Bloomfield Hominy Mix (Registered by Cooperative G. L. F.,
 Exchange, Inc., Mills Div., P. O. Box 973, Buffalo, N. Y.)

BROWN-FORMAN DISTILLERS CORP., Louisville, Ky.

Brown-Forman Distillers Dried Grains
 Brown-Forman Distillers Solubles

BUCKEYE CELLULOSE CORP., 301 E. 6th St., Cincinnati, Ohio

Buckeye 41% Protein Solvent Extracted Cottonseed Meal
 with added Hydrolyzed Cottonseed Oil

CALVERT MILLING CO., Hoytville, Ohio

17% Dehydrated Alfalfa Meal

CAMDEN GRAIN CO., 1709 Kossuth St., Camden 4, N.J.

Camden Brand Brewers Dried Grains

CANADA LINSEED OIL MILLS, LTD., Montreal, Quebec, Canada

Maple Leaf 34% Protein Expeller Linseed Oil Meal Grits

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

17% Capex Dehydrated Alfalfa Meal - Reground Pellets

CARGILL, INC., 200 Grain Exchange Bldg., Minneapolis 15,
 Minn.

Cargill, Inc. 32% Protein Solvent Extracted Linseed Meal
 Cargill, Inc. 44% Protein Solvent Extracted Soybean Meal
 Cargill, Inc. 50% Protein Solvent Extracted Dehulled
 Soybean Meal

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

Carling Brewers Dried Grains

CENTRAL ALFALFA, INC., 115 W. 5th St., Lexington, Neb.

The Miracle Mix Dehydrated Alfalfa Meal

CENTRAL CONN. CO-OP FARMERS' ASSOCIATION, INC.,
 Manchester, Conn.

Honest Brand Aureomycin Mix Medicated
 Honest Brand Complete Breeder Mash
 Honest Brand Complete Ration High Energy Growing Mash
 Honest Brand Complete Ration High Energy Growing Mash-Med.
 Honest Brand Complete Ration High Energy Growing Mash -
 Sulfaquinoxaline Mixture
 Honest Brand Complete Ration High Energy Laying Mash
 Honest Brand Complete Ration High Energy Laying Mash - Med.
 Honest Brand Complete Ration High Energy Laying Mash
 Medicated with 0.011 Per Cent Furazolidone
 Honest Brand Nu Weigh-Hi Broiler Finisher Mash 18-2-6.5
 Honest Brand Nu Weigh-Hi Broiler Finisher Mash 20-6-3
 Honest Brand Nu Weigh-Hi Broiler Mash Medicated
 Honest Brand Nu Weigh-Hi Starter Mash Medicated
 Honest Brand Triple Mix Medicated

CENTRAL SOYA, McMillen Feed Division, Ft. Wayne, Ind.

Central Soybean Mill Run
 Forty-Four 44% Solvent Extracted Soybean Meal
 Master Mix All Mash Egg Mash 217
 Master Mix All Mash Layer 215
 Master Mix All Mash Pullet Developer 145
 Master Mix All Mash Pullet Grower 135
 Master Mix All Mash Pullet Grower 135-04E Medicated
 Master Mix All Mash Turkey Breeder Pellets 437
 Master Mix 18% All Mash Turkey Grower 421
 Master Mix Big "M" Dairy Feed 622
 Master Mix Blended Fifty 675
 Master Mix Bloom 'N Gain Concentrate 765L
 0.0011% Diethylstilbestrol Mix Incorporated in Master Mix
 Bloom 'N Gain Concentrate 765L-37A
 Master Mix Broiler Finisher 324-16C Medicated
 Master Mix Broiler Finisher 324-18C Medicated
 Master Mix Broiler Finisher Concentrate 375
 Master Mix Broiler Finisher Concentrate 375-18B Medicated
 Master Mix Broiler Finisher Concentrate 375C
 0.0116% Diestrol Diacetate Mix Incorporated in Master
 Mix Broiler Finisher Concentrate 375C-71P Medicated
 Master Mix Broiler Starter 307-18C Medicated
 Master Mix Broiler Starter Concentrate 351
 Master Mix Broiler Starter Concentrate 351-18A Medicated
 Master Mix Broiler Starter Concentrate "A" 353-16F Med.
 Master Mix Broiler Starter 308-16C Medicated
 Master Mix Broiler Starter 308-18C Medicated
 Master Mix Calflac Medicated
 Master Mix Calf Mixer 559
 Master Mix Calf Starter 531
 Master Mix Caponette Finisher 337-16D Medicated

CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix Caponette Finisher 337-18D Medicated
 Master Mix Cattle Blend Concentrate 764K
 0.0011% Diethylstilbestrol Mix Inc. in Master Mix Cattle
 Blend Concentrate 764K-37A
 Master Mix Chick Concentrate 153
 Master Mix Chick Concentrate 153-04G Medicated
 Master Mix Chick Starter 103-04A Medicated
 Master Mix Chick Starter 180 (103-19D) Medicated
 Master Mix Complete Breeder 041
 Master Mix Complete Layer 218
 Master Mix Complete Rabbit Pellets 961-84E Medicated
 Master Mix Complete Turkey Finisher 445 (Pellets)
 Master Mix Dairy Blender 652
 Master Mix 38% Dairy Concentrate 671
 Master Mix 38% Dairy Concentrate 671-03M Medicated
 Master Mix Dairy Developer Concentrate 651
 Master Mix Eastern Dry 'N Fresh 605
 Master Mix Egg Concentrate 263
 Master Mix Egglac Pellets 223
 Master Mix Egglac Pellets 223-41B
 Master Mix Egg Mash 211
 Master Mix Farro-Aid 180 829-19D Medicated
 Master Mix Gro-Getter Concentrate 767L
 0.0011% Diethylstilbestrol Mix Incorporated in Master Mix
 Gro-Getter Concentrate 767L-37A
 Master Mix H. C. All Mash Breeder 043
 Master Mix H. C. Breeder Concentrate 087
 Master Mix Hi-Production 16% Dairy 627
 Master Mix HQ 16% Dairy 618
 Master Mix HQ 20% Dairy Pellets 633
 Master Mix HQ Master Blend Concentrate 667
 Master Mix 35% Hog Concentrate 873
 Master Mix 12% Hog Finisher 821-01A Medicated
 Master Mix Hog Finisher Concentrate 889
 Master Mix Horse Feed 967
 Master Mix Layer Concentrate 265
 Master Mix Medicated Baby Pig Creep 801-82A
 Master Mix Medicated Baby Pig Creep 801-99A
 Master Mix Medicated Bio-5 326-03C
 Master Mix Medicated Bio-5 Concentrate 376A-03G
 Master Mix Medicated Bio-21 303-03C
 Master Mix Medicated Bio-21 Concentrate 350-03N
 Master Mix Medicated Biofeed 180 233-20A
 Master Mix Medicated Biofeed 200 235-44A
 Master Mix Medicated Cattle BIO 50-350 Pellets 718-03K
 Master Mix New England 16% Dairy 626
 Master Mix Pig and Sow Feed 827-01A
 Master Mix Pig-ets 809-82A Medicated
 Master Mix Pig-ets 809-99A Medicated
 Master Mix Pig Grower Concentrate 859-01B Medicated
 Master Mix Pig Wormer 831-31A
 Master Mix Poult Concentrate 451
 Master Mix Poult Pre-Starter 405-66B Medicated

CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix Poult Starter 401-83A Medicated
 Master Mix Pullet Concentrate 163
 Master Mix Pullet Concentrate 163-04H Medicated
 Master Mix Pullet Grower 119-04D Medicated
 Master Mix Roaster Finisher 323-16C Medicated
 Master Mix Roaster Starter 307-18C Medicated
 Master Mix Roaster Starter 307-16C Medicated
 Master Mix Sow Concentrate 853
 Master Mix Special 16% Dairy 630
 Master Mix Sweet Bulk 'N Flakes 648
 Master Mix Sweet 16% Dairy 620
 Soybran Registered Trademark of FLAKED SOYBEAN HULLS
 Thrifty-Fifty 50% Solvent Extracted Dehulled Soybean Meal

CHELSEA MILLING COMPANY, North St., Chelsea, Mich.

Chelsea Wheat Middlings

S. J. CHERRY & SONS, LTD., Preston, Ontario, Canada

Wheat Bran

CIBA PHARMACEUTICAL COMPANY, Division of CIBA Corp.,
556 Morris Ave., Summit, N. J.

Serpasil^(R) Reserpine Premix CIBA - Medicated

CITRUS FEED CO., Lakeland, Fla.

CITRUS CREST All Sweet Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

(See also Vitamin Carriers)

Clinton CFS Concentrate No. 1
 Clinton 21% Protein Corn Gluten Feed
 Clinton 41% Protein Corn Gluten Meal

CONN. BI-PRODUCTS, INC., Hop River Rd., Columbia, Conn.

Hydrolyzed Poultry Feathers
 Meat and Bone Meal
 Poultry By-Product Meal

CONSOLIDATED RENDERING CO., 178 Atlantic Ave.,
Boston 10, Mass.

Corenco Feeding Bone Meal
 Corenco 47% Meat & Bone Scrap
 Corenco 48% Meat & Bone Scrap
 Corenco 50% Meat & Bone Scrap

COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE,
INC., Ithaca, N. Y.

Hominy Feed

CORN PRODUCTS CO., 717 Fifth Ave., New York 22, N. Y.

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

CROMPTON GRAIN CO., INC., 8 Bridge St., West Warwick, R. I.
Our Best All Mash Layer

DARI-DRI COMPANY, Div. of Milk Specialties, Dundee, Ill.

(See also Vitamin Carriers)

DARI-DRI Baby Calf Formula

DAWNWOOD FARMS, Amenia, N.Y.

(See also Vitamin Carriers)

Dawnwood Farms Caf-Star

Dawnwood Farms HI-FAT CAF-STAR

DELAWARE MILLING CO., INC., Deposit, N. Y.

Camp's Super 16% Dairy Ration

Delaware Rabbit Pellets

Delaware Scratch Grains

Eastern Connecticut Grain Associates Growing Mash

Eastern Connecticut Grain Associates Growing Mash Med.

Middlesex All Mash Layer

Warren's C & C Complete Laying Mash

Warren's Dairy Pellets

Warren's 16% Dairy Ration

Warren's Fitting Ration

Warren's Indian 16% Dairy

Warren's 16% Test Ration

Warren's Test 20% Ration

DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Meal (Solvent Extracted)

DERBY FEED STORE, 176 Main St., Derby, Conn.

Litsky's Hi-Energy All Mash Grower

Litsky's Hi-Energy All Mash Layer

Litsky's Hi-Energy Layer

Litsky's Hi-Energy Starter-Broiler

Litsky's Sweet 16% Dairy Ration

DOMINION MALTING (ONTARIO) LIMITED, 369 Lake Shore Blvd., East, Toronto 2, Ontario, Canada

Brewers Dried Grains

DOW BREWERY LIMITED, 990 Notre Dame St., West, Montreal, Quebec, Canada

Brewer's Dried Grains

E. I. du PONT de NEMOURS & CO., 6054 du Pont Bldg., Wilmington 98, Del.

DU PONT TWO-SIXTY-TWO Feed Compound

EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central St., West Springfield, Mass.

(See also Vitamin Carriers)

Alfapels (15% Protein Dehydrated Pelleted Alfalfa Meal)

Bre-Bits-Medicated

Broiler Finisher-Medicated

Broiler Starter-Medicated

Calf Starter

Cashmaker-Medicated

EASTERN STATES FARMERS' EXCHANGE, INC. -Cont.

Cashmaker-WM-Medicated

Champion

Class Leader

Fifty-Mix

Fulpail

Gro-Bits-Medicated

Gro-Bits-WM-Medicated

Lay-Bits Medicated

Lay Mix Medicated

Lipamone Roaster 1/2-Medicated

Matchmaker Medicated

Medicated Defender

Medicated Lacto-Life

Medicated Minuteman (Crumbles)

Medicated Minuteman-SQ

Medicated Sentinel (CHL)

Medicated Sentinel (OXY)

Medicated-Turkey Starter F

Milkerpels 14

Milkerpels 16

Milkerpels 16-WA

Milkerpels 20

Milkmore

Milksaver

Pacemaker Medicated

Pel-22 Medicated

Pel-Gro Medicated

Pel-Lay Medicated

Pork Builder

Pork Finisher Mix

Pork Gainer-Medicated

Porkmix

Pork Primer-Medicated (Pellets)

Poultry Wormer

Protek A-Medicated

Protek F-Medicated

Protek F-Medicated (Bits)

Protek H-Medicated

Rabbettes-Medicated

Roaster Finisher-Medicated (Pellets)

Supmix

Sweepstakes

Tastibulk

Trim-Maker

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

Wheat Middlings with Ground Wheat Screenings

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

Elmore Bulky Base
 Elmore Bull Feed
 Elmore Calf Grain Ration
 Elmore Chixsaver
 Elmore Chixsaver Medicated (IS)
 Elmore's Complete Calf Milk Replacer
 Elmore Complete Growing Mash
 Elmore Complete Growing Ration Medicated (1S)
 Elmore Complete Laying Mash
 Elmore Complete Market Egg Mash Ration
 Elmore Complete Turkey Growing Mash
 Elmore Complete Turkey Growing Mash (1H)
 Elmore Dry & Freshening Ration
 Elmore Duck Grower Pellets
 Elmore Egg Mash
 Elmore Fitting Ration
 Elmore Flaked Pelleted Calf Starter
 Elmore Game Bird Breeder Mash
 Elmore Game Bird Grower
 Elmore Game Bird Grower Medicated (1S)
 Elmore Game Bird Starter Medicated (1S)
 Elmore Grand Champion Ration
 Elmore Hog Ration
 Elmore Horse Feed
 Elmore Makemgrow Little Pig Ration
 Elmore Maximilk Ration
 Elmore Medicated Mash
 Elmore Medicated Picker-Upper Mash (2A)
 Elmore Milk Grains "Sixteen"
 Elmore Milk Grains "Twenty"
 Elmore Pacemaker Dairy Ration 16%
 Elmore Pacemaker Dairy Ration 18%
 Elmore Poultry and Turkey Fitting Ration
 Elmore Rabbit Ration Pellets
 Elmore Special 16% Dairy
 Elmore Test Ration 16%
 Elmore Test Ration 18%
 Elmore Turkey Finisher (Fattener)
 Elmore Turkey Growing Mash (1H)
 Elmore Turkey Starter Mash (or Crumbles) Medicated
 Elmore Turkey Starting Mash (1S) (or Crumbles) Medicated

JOHN W. ESHELMAN & SONS, 244 N. Queen St., Lancaster, Pa.

Dehulled Solvent Extracted Soybean Meal
 Egg Maker
 Lancaster 16 Dairy Feed
 Lancaster 20 Dairy Feed
 Lancaster Horse Pellets
 Lancaster Scratch Grains
 Lancaster Sweet Mix
 Pennsy Complete Laying Ration
 Pennsy 16 Dairy Feed
 Pennsy Laying Mash

JOHN W. ESHELMAN & SONS -Cont.

Red Rose Breeder Supplement
 Red Rose Calf Grower
 Red Rose Calf Starter
 Red Rose Chick Grains
 Red Rose Chick Starter Medicated (110-E)
 Red Rose Complete Breeder Ration
 Red Rose Complete Game Bird Grower
 Red Rose Complete Growing Ration
 Red Rose Complete Laying Ration
 Red Rose Complete Turkey Finisher
 Red Rose Complete Turkey Finisher Medicated (313-C)
 Red Rose Complete Turkey Grower
 Red Rose Complete Turkey Grower Medicated (312-C)
 Red Rose 16 Dairy Feed
 Red Rose 18 Dairy Feed
 Red Rose Duck Grower & Breeder (Pelleted)
 Red Rose Equinader
 Red Rose Fitting Ration
 Red Rose Goat Ration
 Red Rose Growing Mash
 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 Rabbit Pellets - Medicated (710-A)
 Red Rose Rumenator (Dairy Booster)
 Red Rose Scratch Grains
 Red Rose Starter & Grower
 Red Rose 14 Test-Cow Feed
 Red Rose Turkey & Poultry Fitting Feed
 Red Rose Turkey Starter
 Red Rose Wild Bird Feed
 Solvent Extracted 41% Cottonseed Meal
 S-O-S

EVANS MILLING COMPANY, INC., 1730 W. Michigan St., Indianapolis, Ind.

Emco Hominy Feed

FAIR OAKS FARM, 383 Mansfield Ave., Darien, Conn.

16% Dairy Feed
 Horse Feed

FARM BUREAU ASSOCIATION, 158 Lexington St., Waltham, Mass.

Farm Bureau Advancer
 Farm Bureau Advancer Dairy 16% Pellets
 Farm Bureau Bran
 Farm Bureau Chick Starter W/Amprolium
 Farm Bureau Complete Developer Mash Medicated

FARM BUREAU ASSOCIATION -Cont.

Farm Bureau Complete Layer Breeder Mash Medicated
 Farm Bureau Dairy 16%
 Farm Bureau Milk Replacer
 Farm Bureau Rabbit Pellets
 Farm Bureau Rabbit Pellets W/SQ

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

"Bull Brand" Brewers Dried Grains

FEED SERVICE CORPORATION, Berks Siding, Crete, Neb.

MOREA Liquid Feed Pre-Mix M-87.5R6

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

FMS INCORPORATED, Thomasville, Pa.

FMS Incorporated Milk Replacement

FOREMOST DAIRIES, INC., Industrial Div., 1870 El Camino Real, Burlingame, Cal.

Peebles M-N-C

GENERAL FOODS CORP., 1551 East Willow St., Kankakee, Ill.

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

General Mills Inc. Adrian Wheat Red Dog
 General Mills Inc. Wheat Bran with Ground Wheat Screenings
 General Mills Wheat Middlings with Ground Wheat Screenings
 Purity Coarse Ground White Oats
 Purity Oat Mill By-Product
 Purity Pulverized White Oats

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

Globpro Brand 60% Protein Fish Meal

GOLDEN GEM GROWERS, INC., Umatilla, Fla.

Golden Gems Sweet Dried Citrus Pulp

GOLDENROD OIL MEAL SALES CO., 727 Beale St., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal -
 Prime Quality

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

Gorton's Redfish Meal (57% Protein)
 Gorton's White Fish Meal (60% Protein)

W. R. GRACE & CO., Nitrogen Products Division, 147 Jefferson Ave., Memphis 3, Tenn.

Grace Micro Prilled Urea Feed Compound

THE GREAT ATLANTIC & PACIFIC TEA CO., 817-512 Nicollet Bldg., Minneapolis 2, Minn.

Daily Egg Laying Mash

GREAT STAR FLOUR MILLS LIMITED, St. Marys, Ontario, Can.

Great Star Bran
 Great Star Shorts

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal with
 Ethoxyquin

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

Pioneer Calf Starter
 Pioneer 16 Dairy Pellets
 Pioneer Dry and Freshening
 Pioneer 14 High Energy Dairy
 Pioneer Hog Developer Medicated
 Pioneer Hog Finisher
 Pioneer Horse Feed
 Pioneer 14 Milker
 Pioneer 16 Milker
 Pioneer 16 Milker Pellets
 Pioneer Pasturmix 12
 Pioneer Pasturmix Bulky Feed
 Pioneer Pelleted-Flaked Dairy
 Pioneer Rabbit Pellets Medicated
 Pioneer Sup-Pel Dairy Supplement Pellets
 Pioneer Vig-R-Calf Medicated Milk Replacer
 Pioneerway Horse Feed
 Red Comb Broiler Finisher
 Red Comb Broiler Finisher Medicated (01206)
 Red Comb Broiler Starter
 Red Comb Broiler Starter Medicated (01106)
 Red Comb Chick Starter
 Red Comb Chick Starter Medicated
 Red Comb Complete Broiler-type Breeder
 Red Comb Complete Egg-Type Breeder
 Red Comb Complete Grower
 Red Comb Complete Grower Medicated
 Red Comb Complete Layer 15 Medicated
 Red Comb Complete Layer 16 Medicated
 Red Comb Egg Mash Medicated
 Red Comb Growing Mash Medicated
 Red Comb Pullet Developer
 Red Comb Roaster Ration
 Red Comb Scratch Feed
 Red Comb Turkey Finisher 14
 Red Comb Turkey Finisher 17
 Red Comb Turkey Grower 20
 Red Comb Turkey Grower 23
 Red Comb Turkey Starter Medicated
 Wheat Bran

- HAYWARD, INC., Oak Harbor, Ohio
Dehydrated Alfalfa Meal
- HI-ACRES CONCENTRATE, INC., P. O. Box 7127, Orlando, Fla.
Hi-Acres All Sweet Dried Citrus Pulp
- HOLLY SUGAR CORP., Colorado Springs, Col.
Dried Beet Pulp and Beet Molasses
- H. P. HOOD & SONS, INC., Dunedin, Fla.
Hood Citrus Pulp
- H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston, Mass.
(See also Vitamin Carriers)
Hood Milk Replacer for Baby Animal
Pep-Lac
Powdered Skim Milk
Whey-Lac
- E. C. & W. L. HOPKINS, INC., Greenfield, N. H.
P (Price) & Q (Quality) 16% Dairy Feed
- THE HUBINGER COMPANY, 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 CORPORATION, 321 Fort Lee Road, Leonia, N. J.
Dried Beet Pulp
- INTERNATIONAL CHEESE COMPANY, INC., Hinesburg, Vt.
Dried Whole Whey
- INTERNATIONAL MILLING CO., 1200 Investors Bldg., Minneapolis 2, Minn.
Blackhawk Wheat Bran with Ground Mixed Screenings
Blackhawk Wheat Middlings with Ground Mixed Screenings
- INTERNATIONAL STOCK FOOD CORP., 533 Broad St., Waverly, N. Y.
(See also Vitamin Carriers)
Rumen Bacteria Mix Incorporated in I. S. F. Grow-Em Milk Replacer
- HERMAN ISACS, INC., Bridgeport, Conn.
Hi Test Meat & Bone Meal
- JACCO INDUSTRIES, LTD., 459 No. Boyle, St. Louis 8, Mo.
Boost (Brewers Dried Yeast)

- I. S. JOSEPH COMPANY, INC., Minneapolis, Minn.
Dried Beet Pulp
- KELLOGG CO. of CANADA, LTD., P. O. Box 2517, London, Ontario, Canada
Kellogg's Hominy Feed
- KELLOGG SALES CO., Battle Creek, Mich.
Kellogg's Kel-Aid
Kellogg's No. 1009 Kel-Blend
Kellogg's No. 1003 Mink Conditioner
Kellogg's No. 1001 Mink Ration
- SPENCER KELLOGG & SONS, INC., Division of Textron, Inc., 120 Delaware Ave., Buffalo, N. Y.
Spencer Kellogg's 31% Protein Old Process (Expeller) Linseed Meal
- KEYSTONE DEHYDRATORS, Box 204, Nazareth, Pa.
Keystone Super Green Dehydrated Alfalfa Meal Preserved With Ethoxyquin
- KRAFT FOODS, (Div. of National Dairy Prod. Corp.) 99 Park Ave., New York 16, N. Y.
(See also Vitamin Carriers)
KAFF-A Feed Booster Pellets for Heifers, Cows, Beef Cattle, Lambs & Sheep
KAFF-A Milk Replacer for Calves Medicated
KRACO Naturally Sweet Dried Whole Whey
Pace Feed Booster Pellets for Horses, Ponies & Colts
Pex Feed Booster Pellets for Layers & Breeders
PEX Condensed for Poultry
PEX Self Feeder Block for Poultry
PEX Self Feeder Green Whey Block for Chicks & Poult
PEX Self Feeder Whey Block for Chickens & Turkeys
- KRAUSE MILLING CO., 404 E. State St., Milwaukee 1, Wis.
Badger Yellow Hominy Feed
- KUDER PULP SALES CO., Lake Alfred, Fla.
Kuder Dried Citrus Pulp, High Sugar
- LAKE STATES YEAST & CHEMICAL DIVISION of St. Regis Paper Co., Rhinelander, Wis.
Dried Torula Yeast
- LAUHOFF GRAIN CO., Soya Department, 321 East North St., Danville, Ill.
43% Protein Expeller Soybean Cake
44% Protein Solvent Extracted Soybean Meal
50% Protein Solvent Extracted Soybean Meal
Vermilion Hominy Feed

- THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.
Libner's Blue Ribbon Horse & Calf Ration
- MACHNICKI'S GRAIN STORE, Canal St., Jewett City, Conn.
Machnicki Dry & Freshening Ration
Machnicki Hi-Calrie Broiler Starter with Amprolium plus
Machnicki's Hi-Energy All-Mash Grower
Machnicki's Hi-Energy All-Mash Layer
Machnicki Hi-Q 16% Dairy
Machnicki Prime Finisher with Amprolium Plus
Master Made Cal. Broiler Finisher with Amprolium Plus
- MAK MOR CORP., P. O. Box 123, Clinton, Mass.
MOREA^(R) M-30 (Liquid Feed Supplement for Ruminants Only)
- THE MANITOBA SUGAR CO., LTD., Winnipeg, Manitoba, Canada
Registered by Mowat, Wilson & Co., Detroit 35, Mich.
Plain Dried Beet Pulp
- MARION MILLING CO., Marion, Ohio
Cloverleaf Wheat Middlings & Ground Wheat Screenings
- MAXON MILLS, INC., Wassaic, N. Y.
Maxon 16% Dairy
Maxon 20% Dairy
Maxon 14% Fitting
Maxon 16% Test
Maxon 18% Test
- MAYFLOWER MILLS, 931 Leesburg Rd., Ft. Wayne, Ind.
Mayflower Pure Wheat Bran
Mayflower Wheat Middlings
- MCCABE GRAIN CO., LTD., 409 Grain Exchange Bldg.,
Winnipeg 2, Manitoba, Canada
Ground Mixed Screenings
- THE MENNEL MILLING CO., 128 West Crocker St., Fostoria,
Ohio
Memo Pure Wheat Bran
Memo Wheat Middlings with Ground Wheat Screenings
- MERCK & CO., INC., Rahway, N. J.
(See also Vitamin Carriers)
AMPROL Plus^(R)
Amprol 25%^(R)
Glycamide 12%
- MILK SPECIALTIES, INC., Water & Illinois St., Dundee, Ill.
(See also Vitamin Carriers)
Dari-Dri Veal Formula
- MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.
Choice Steam Cooked Hominy Feed

- MINUTE MAID COMPANY, Citrus Products Sales, P. O. Box
2711, Leesburg, Fla.
Golden Isle Brand Citrus Pulp
- MOLSON' BREWERY (ONTARIO) LTD., 640 Fleet Street West,
Toronto, Ontario, Canada
Dried Brewers' Spent Grains
- GEO. Q. MOON & CO., INC., Binghamton, N. Y.
Moon Horse Feed
Moon Laying Mash
Moon N. E. Complete Growing Mash
Moon N. E. Complete Laying Mash
Moon Rabbit Pellets
Moon Scratch Feed
Moon U. S. 20% Dairy Ration
- JAS. F. MORSE & CO., 11 Horace St., Somerville, Mass.
Morse's 47% Meat & Bone Meal
- MOWAT, WILSON & CO., 15325 W. 7 Mile Rd., Detroit 35, Mich.
Dried Beet Pulp
Dried Beet Pulp and Beet Molasses
- NAPPANEE MILLING CO., INC., Nappanee, Ind.
Hominy Feed
- NATIONAL ALFALFA DEHYDRATING & MILLING CO.,
4010 Washington St., Kansas City 11, Mo.
Krumbles
National 15% Protein Dehydrated Alfalfa Meal
National 18% HI-N Dehydrated Alfalfa Meal
National PRO 17 17% Protein Dehydrated Alfalfa Meal
National 20% Protein Dehydrated Alfalfa Meal
- NATIONAL BISCUIT CO., Toledo Mill, Toledo, Ohio
Namico
Pure Wheat Bran
- NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave., So.,
Minneapolis 6, Minn.
(See also Vitamin Carriers)
Calvita (Trade Mark Reg.) Calf Formula
Calvita Vealer Milk Replacer Medicated
- NEW JERSEY FLOUR MILLS CO., 1-11 Chester St., Clifton, N. J.
Clifton Flour Middlings
Clifton Wheat Bran
- NOPCO CHEMICAL CO., 60 Park Pl., Newark, N. J.
(See also Vitamin Carriers)
Nopdex "3000"
Nopco-Pak Hi-Lay Premix
Nopco-Pak Super Premix

NORTHERN OHIO SUGAR CO., 1530 Sixteenth St., Denver 2, Col.

GW Dried Beet Pulp
GW Dried Beet Pulp and Beet Molasses

OGDEN GRAIN CO., Utica, N. Y.

Conn. 16% Dairy Ration
Davis Dairy Pellets
Doc 16% Dairy
Doc 20% Dairy
Ogden C. L. Special 15
Ogden C. L. Special 16
Ogden Complete Chick Starter Med.
Ogden Complete Layer Medicated
Ogden Developer Feed
Ogden Econ-O-Mix 16% Dairy Feed
Ogden Hi Energy Laying Med.
Ogden 16% Hi-Kal Dairy Pellets
Ogden 18% Hi-Kal Dairy Pellets
Ogden Hi Value Complete Layer
Ogden Horse Feed
Ogden Life Span 15
Ogden Medicated Complete Calf Starter
Ogden Milk Replacement
Ogden Old Reliable 16 Dairy Ration
Ogden Premium Dry and Freshening Ration
Ogden Premium 16 Hi-Energy Dairy Pellets
Ogden Premium 20% Milk Ration
Ogden Premium 14 Pel-Flake
Ogden Premium 16 Pel-Flake
Ogden Premium Test Cow 16
Ogden Premium Test Cow 18
Ogden Rabbit Pellets
Ogden Reliable 15 Pel-Flake
Ogden R S 10 Roughage Supplement
Ogden Scratch Grains
Ogden Super Hi Energy Laying Feed
Ogden Super Pig Ration

THE OGILVIE FLOUR MILLS CO., LTD., 1960 Sun Life Bldg.,
Montreal, Canada

Ogilvie Pure Wheat Shorts
Ogilvie Wheat Bran

OHIO BLENDERS, INC., 2404 Summit St., Toledo, Ohio

Big "O" 17% Dehydrated Alfalfa

OLIN MATHIESON CHEMICAL CORP., 745 Fifth Ave.,
New York 22, N. Y.

Urea - Feed Compound

PACIFIC MOLASSES CO., 215 Market St., San Francisco, Cal.

Cane Molasses

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

"Parrheim" Pure Wheat Bran

PASCO PACKING CO., P. O. Box 97, Dade City, Fla.

O-MI-O Citrus Pulp
Sugar Sweet Citrus Pulp

PEAVEY CO., Flour Mills, Minneapolis 15, Minn.

Occident Wheat Bran
Occident Wheat Middlings with Ground Wheat
Screenings
Occident Wheat Red Dog

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

Douglas Corn Gluten Meal
21% Protein Douglas Corn Gluten Feed

JOHN J. PEPIN & CO. (formerly L. B. Lovitt & Co.),
Memphis, Tenn.

"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

PILLSBURY CANADA, LTD., Midland, Ontario, Canada

Dandy Wheat Bran

THE PILLSBURY CO., Minneapolis 2, Minn.

Pillsbury's XX Daisy (Wheat Red Dog)
Pillsbury's Wheat Bran with Ground Wheat Screenings
Pillsbury's Wheat Germ Meal
Pillsbury's Wheat Middlings with Ground Wheat Screenings

PITTSBURGH PLATE GLASS CO., Red Wing, Minn.

Red Wing 32% Protein Solvent Extracted Linseed Meal

PRAIRIE DEHYDRATING CO., Roanoke, Ill.

Prairie 20% Dehydrated Alfalfa Meal

PUBLICICKER INDUSTRIES, INC., 1429 Walnut St.,
Philadelphia 2, Pa.

Prograsol - Corn Distillers Grains with Solubles

THE QUAKER OATS CO., Merchandise Mart Plaza,
Chicago 54, Ill.

Ful-O-Pep Calf Sup
Muffets Shredded Wheat Feed
Vim Oat Mill By-Product
Wheat Hominy Feed S
Yellow Hominy Feed S

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

Peterborough Oat Mill by Product

THE QUAKER OATS CO., P. O. Box 46, Shiremanstown, Pa.

Ful-O-Pep Derwood Horse Crunch
Ful-O-Pep Growing Ration (W9) Medicated

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

(See also Vitamin Carriers)

Checkerboard Pasture Ration L
Corn and Oat Provender
Northeastern Scratch Feed
50% Protein Dehulled Solvent Extracted Soybean Meal
44% Protein Solvent Extracted Soybean Meal
Purina Aureomycin-Etts
Purina B & M Cow Chow
Purina Breeder Eggena NE
Purina Broiler Chow Medicated
Purina Broiler Chow MP Medicated
Purina Broiler Chow Finisher No. 1 Medicated
Purina Broiler Chow Finisher No. 1 MP Medicated
Purina Broiler Chow Finisher No. 2
Purina Broiler Chow Starter Medicated
Purina Broiler Chow Starter MP Medicated
Purina Bulky Las
Purina Calf Startena
Purina Calf Startena (Coarse)
Purina Capena MP Medicated
Purina Chek-R-Furan (Furazolidone Mixture) Medicated
Purina Chek-R-Mycin Etts TM
Purina Chick Chow (Coarse)
Purina Chick Chow (Fine)
Purina Chick Growena
Purina Chick Growena ZO Medicated
Purina Chick Startena
Purina Chick Startena ZO-V Medicated
Purina Complete Sow Chow
Purina Cow Chow Concentrate 32%
Purina Cow Chow Concentrate 36%
Purina Cow Chow D 16%
Purina Cow Chow D (B) 16%
Purina Cow Chow D 20%
Purina Cow Chow D (B) 20%
Purina Cow Chow D (U) 16%
Purina Cow Chow D (U) 20%
Purina D & F Chow
Purina D & F Chow (Coarse)
Purina Dairy Chow L 14% (Coarse)
Purina Dairy Chow L 16%
Purina .0023% Dienestrol Diacetate Mixture in Purina
Roaster Chow NC - Medicated
Purina Duck Breeder Layena
Purina Duck Growena
Purina Duck Startena
Purina Egg Chow T
Purina Eggena NE

RALSTON PURINA CO. -Cont.

Purina Game Bird F & M Chow
Purina Game Bird Breed Layena (Complete Ration)
Purina Game Bird Startena SQ Medicated
Purina Goat Chow Checkers
Purina Goat Chow (Coarse)
Purina Hen Chow D
Purina Hog Finisher No. 1 Medicated
Purina Hog Finisher No. 2
Purina Horse Chow Checkers
Purina Hygromix Medicated
Purina Layena
Purina Medicated Chek-R-Aid
Purina Medicated Mix-R-Mycin
Purina Medicated Mix-R-Mycin Concentrate
Purina Medicated Poultry Aid
Purina Milk Chow D 16%
Purina Milk Chow D 16% (Coarse)
Purina Milk Chow D (U) 16%
Purina Milk Chow D (U) 16% (Coarse)
Purina Milk Chow D 20%
Purina Milk Chow D 20% (Coarse)
Purina Mink Breeder Chow
Purina Mink Breeder Chow SF
Purina Mink Cereal
Purina Mink Developer Chow SF
Purina Neomycin Feed Mix
Purina Nursing Chow
Purina Omolene
Purina Pig Growena Medicated
Purina Pig Startena Medicated
Purina Pigeon Chow Checkers
Purina Poultry Booster Chow
Purina Poultry Wormer
Purina 36% Protein Cottonseed Meal
Purina Pullet Developer B
Purina Pullet Developer F
Purina Pullet Developer (F) ZO Medicated
Purina Rabbit Chow Checkers
Purina Rabbit Chow Checkers D
Purina Rabbit Chow Checkers (20%)
Purina Rabbit Chow Checkers (D) FZ SQ Medicated
Purina Rabbit Chow Checkers (D) WO
Purina Rabbit Chow Checkers FZ SQ Medicated
Purina Range Checkers A
Purina Roaster Chow
Purina Roaster Chow MP Medicated
Purina Silage Preserver D
Purina Special Steer Fatena 32%
Purina Squab Broiler Chow Medicated
Purina Squab Broiler Chow MP Medicated
Purina Strepto-Pen-25
Purina Strepto-Pen-Ad
Purina Turkey Breeder Layena

RALSTON PURINA CO. -Cont.

Purina Turkey Breeder Layena HZ 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 HS Medicated
 Purina Turkey Growena No. 1 MP Medicated
 Purina Turkey Growena No. 2
 Purina Turkey Growena No. 2 HS Medicated
 Purina Turkey Growena No. 2 MP Medicated
 Purina Turkey Startena
 Purina Turkey Startena MP Medicated
 Purina Turkey Startena FZ Medicated
 Soybean Hulls
 Wheat Middlings

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

Faramel 16% All Mash Layer
 Faramel Complete Rabbit Pellets
 Faramel Special 20% Laying Mash

RELIANCE CHEMICALS CORP., 12405 Sowden Rd., Houston, Tex.

B-Pol, A Dried Crude Culture of Live B. megatherium

SALADA FOODS, INC., Plant City, Fla.

Horsey Brand Dried Citrus Pulp

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

Wolf's Calf Starter
 Wolf's Complete Hi-Eff Egg Breeder Mash
 Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
 Wolf's Complete Hi-Eff Growing Mash
 Wolf's Complete Hi-Eff Profit Builder-Medicated-AR 0.0099%
 Wolf's Complete Hi-Eff Profit Builder-Medicated-
 AR 0.0099%, SQ 0.0175%
 Wolf's 14% Dairy Ration
 Wolf's 16% Dairy Pellets
 Wolf's 16% Dairy Ration
 Wolf's Dry & Freshening Ration
 Wolf's Finisher Ration-Medicated
 Wolf's Hi-Speed Starter & Broiler Ration-Medicated-
 Bithionol 0.05%, Methiotriazamine 0.01%
 Wolf's Hi-Speed Starter & Broiler Ration-Medicated-
 SQ 0.0175%, AR 0.0099%
 Wolf's Horse Feed
 Wolf's Medicated Complete Hi-Eff Profit Builder-
 Chl. hyd. 0.100 gm./lb., AR 0.0099%
 Wolf's Medicated Complete Hi-Eff Profit Builder
 Wolf's Medicated Poultry Booster
 Wolf's Pig & Hog Feed
 Wolf's 16% Test Ration
 Wolf's 18% Test Ration

SCHENLEY DISTILLERS, INC., 1290 Avenue of the Americas,
 New York, N. Y.

Corn Germ Meal (Dry Milled)
 Schenley Mark of Merit Corn Distillers Dried Grains with
 Solubles
 Schenley Mark of Merit Milo Distillers Dried Grains with
 Solubles 24-5-13
 Schenley Mark of Merit Milo Distillers Dried Grains with
 Solubles 26-6-13
 Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pa.

Schoeneck's Super Green Dehydrated Alfalfa Meal

SEA BOARD SUPPLY CO., 35th & Grays Ferry Ave.,
 Philadelphia 46, Pa.

Dried Tomato Pomace

SEA-BORN, Mineral Div. of Skod Co., 15 E. Elm St.,
 Greenwich, Conn.

ALGIT (Norwegian Kelp Meal)
 Sea Born Norwegian Seaweed Meal - Special Fine Grind

JOESPH E. SEAGRAM & SONS, INC., 375 Park Ave.,
 New York, N. Y.

Seagram's Corn Distillers Dried Grains 23-7-14
 Seagram's Corn Distillers Dried Grains 24-8-14
 Seagram's Corn Distillers Dried Grains 25-8-11
 Seagram's Corn Distillers Dried Solubles

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

Miracle 14% Calf Grower
 Miracle Dairy 16%
 Miracle Fitting Ration
 Miracle Hi-Efficiency Grower
 Miracle Hi-Energy All Mash Layer
 Miracle Horse Feed with Molasses
 Miracle 20% Laying Mash
 Miracle Scratch Feed
 Pasture Mix
 See-More-Milk Dairy Ration

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

Sherwin-Williams 32% Linseed Meal (Sol. Extr.)

SHERWOOD FEED MILLS, INC., Baltimore, Md.

Brewer's Dried Grains

SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla.

Bluebird Citrus Pulp

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

Hi-Pro-Con 50% Protein Dehulled Solvent Extracted
 Soybean Meal

A. E. STALEY MFG. CO. -Cont.

44% Protein Solvent Extracted Staley's^(R) Soybean Meal
 Staley's 21% Corn Gluten Feed
 Staley SWEETLIX Molasses Block

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

Stock's Wheat Bran
 Stock's Wheat Middlings

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

Registered by Cocke & Co., Atlanta 3, Ga.

Ground Suni-Citrolas Pellets
 Sweet Suni-Citrus Pulp

SUNSHINE BISCUIT, INC., Milling Div., Grafton, Ohio

UMC Wheat Bran - Pure Wheat Bran

SWIFT & CO., P. O. Box 110, Fostoria, Ohio

Swift's Cottonseed Meal or Pellets 41% Protein-Prime Quality
 Swift's 44% Protein Solvent Extracted Soybean Meal
 Swift's Super Soy - 50% Protein Dehulled Solvent Extracted
 Soybean Meal

T. H. TAYLOR CO., LTD., 14 William St., N., Chatham,
Ontario, Canada

Beaver Wheat Bran

TEKLAD, INC., P. O. Box 348, Monmouth, Ill.

ROCKLAND Rabbit Ration
 ROCKLAND Guinea Pig Diet

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

(See also Vitamin Carriers)

Tri's Grade A Brand Milk Replacer - Medicated

TROPICANA PRODUCTS, INC., Bradenton, Fla.

Tropicana's Sweetest Dried Citrus

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

32% Protein Solvent Extracted Linseed Oil Meal
 Ultra-Life Beef Gro
 Ultra-Life Broiler-Gro Medicated (3 Nitro)
 Ultra-Life Calf Food Pellets Medicated
 Ultra-Life Freshertone
 Ultra-Life Hi-Dee 7
 Ultra-Life High Energy Poultry
 Ultra-Life Livestock
 Ultra-Life Pig Gro

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

Co-op Hi NRG Egg Maker

UNITED CO-OPERATIVE FARMERS, INC. -Cont.

UCF Calf Grower
 UCF 16% Dairy
 UCF 18% Dairy
 UCF 20% Dairy
 UCF Fitting Ration
 UCF Grower
 UCF Hi NRG All Mash Breeder
 UCF Hi NRG All Mash Grower
 UCF Hi NRG All Mash Layer
 UCF Hi NRG Starter Medicated
 UCF Horse Feed
 UCF Layer
 UCF Medicated Booster-200
 UCF Medicated Booster NF 200
 UCF Medicated HI-PO 200
 UCF Milk Replacer
 UCF Pig & Hog Feed
 UCF Scratch Feed

UNITY FEEDS, INC., 177 Milk St., Boston 9, Mass.

Unity Broiler Starter Medicated
 Unity Complete Rabbit Pellets
 Unity 16% Dairy
 Unity Dairy & Fitting Ration
 Unity Growing & Laying Mash
 Unity High Energy Breeder Mash
 Unity High Energy Growing Mash
 Unity High Energy Laying Mash
 Unity Improved Calf Ration
 Unity Medicated Booster
 Unity Medicated Hen-Biotic
 Unity 16% Milkets
 Unity Pig & Hog Ration
 Unity Scratch Feed
 Unity Super Starter Medicated
 Unity Trim Medicated
 Unity Turkey & Game Bird Growing Mash

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

Superior Cow Brand Brewers Dried Grains

GEORGE URBAN MILLING CO., 200 Urban St., Buffalo 3, N. J.

Wheat Middlings with Ground Screenings not exceeding
 Mill Run

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

Corn Distillers Dried Grains with Solubles

WILLIAM S. WARREN & SON, Eastford, Conn.

Warren's 16 Dairy Ration
 Warren's Fitting Ration
 Warren's 16% Test Cow Ration
 Warren's Horse Feed

WATERTOWN CO-OP. ASSN., INC., 27 Depot St.,
Watertown, Conn.

Watertown Co-Op 16% Dairy Feed

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

Blue Seal All-Mash Breeder's Ration
Blue Seal All-Mash Egg Ration Medicated
Blue Seal All-Mash Growing Ration Medicated
Blue Seal All-Mash Growing Ration ZL Medicated
Blue Seal C-4 Broiler Medicated
Blue Seal Calf Starter
Blue Seal Chick Starter Medicated
Blue Seal Coarse 16 Dairy Ration
Blue Seal Coarse 20 Dairy Ration
Blue Seal Complete Horse Ration
Blue Seal "30" Dairy Concentrate
Blue Seal 16% Dairy Mix
Blue Seal Egg Mash
Blue Seal Fat & Finish Ration
Blue Seal C-5 Finisher Medicated
Blue Seal Fitting Ration
Blue Seal 770 Grower
Blue Seal 770 Grower ZL Medicated
Blue Seal Horse Feed
Blue Seal Ket-O-Pels Medicated
Blue Seal 880 Layer
Blue Seal Medicated NF-Mix
Blue Seal Milk Replacer
Blue Seal Milkers' 16 Pellets
Blue Seal Milkers' 20 Pellets
Blue Seal 16% Nuggets
Blue Seal Pig Feed Medicated
Blue Seal Poultry Wormer
Blue Seal Producer's Grow and Lay
Blue Seal Rabbit Pellets
Blue Seal Standard "16" Dairy Ration
Blue Seal Standard "20" Dairy Ration
Blue Seal Standard "14" Fitting Ration
Blue Seal Succulent Feed and Calving Ration
Blue Seal Super Breeder's Mash Medicated
Blue Seal Sweet Pulp
Blue Seal Test Ration
Blue Seal Turkey Growing
Blue Seal Turkey Growing HS Medicated
Blue Seal Turkey Starter Medicated

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

Cream Line Dairy Test Ration
Pure Feed Broiler Starter Medicated
Pure Feed Complete Grower
Pure Feed Complete Layer
Pure Feed Complete Rabbit Pellets
Pure Feed 16% Dairy Pellets
Pure Feed Egg and Breeder

WEST-NESBITT, INC. -Cont.

Pure Feed Egg Maker
Pure Feed 14% Fitting Ration
Pure Feed Grower
Pure Feed Horse Ration
Pure Feed Roaster Finisher Medicated
Pure Feed Starter Medicated
Pure Feed Sweet "16"
Pure Feed Swine Ration
Pure Feed Turkey Finisher
Pure Feed Turkey Grower
West Nesbitt Milk Replacer

A. C. WETHERELL, Suffield, Conn.

Special No. 3 Dairy Ration

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)

Flav-A-Dee

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

Brewers Dried Grain

WILKINS-ROGERS MILLING CO., INC., Washington, D. C.

Washington Wheat Flour Middlings

WILSON'S CORN PRODUCTS, INC., E. Fourth St., Rochester, Ind.

Wilson Hominy Feed

WINTER GARDEN CITRUS PRODUCTS COOPERATIVE,
Winter Garden, Fla.

Wholesun Dried Citrus Pulp

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

(See also Vitamin Carriers)

Apex 16% Dairy Feed 587E
Apex 20% Dairy Feed 588E
Wirthmore Big W All Pellet 16 Dairy Feed 557F
Wirthmore Big W All Pellet 20 Dairy Feed 559F
Wirthmore Big W 16 Dairy Feed 552F
Wirthmore Big W 20 Dairy Feed 554F
Wirthmore Baby Chick Scratch 463A
Wirthmore 36% Breeder Concentrate 294A
Wirthmore Breeder Mash 274A
Wirthmore Cage & Slat Floor Layer Medicated 228A
Wirthmore Calf Starter 572A
Wirthmore Chick Starter 101A
Wirthmore Chick Starter SQ Medicated 103A
Wirthmore Chick Starter TRithi Medicated 104A
Wirthmore Coccidiosis Treatment Ration 415A
Wirthmore Commercial Hi-Ener-G Breeder Arsan 261B
Medicated
Wirthmore Complete Breeder Ration 264A

WIRTHMORE FEEDS INC. -Cont.

Wirthmore Complete Growing Ration 205A
 Wirthmore Complete Growing Ration SQ 206A Medicated
 Wirthmore Complete Turkey Breeder Ration 371A
 Wirthmore Complete Turkey Fattening Ration Medicated 362A
 Wirthmore Complete Turkey Fattening Ration 361A Pellets
 Wirthmore Complete Turkey Growing Ration 341A Pellets
 Wirthmore Complete Turkey Growing Ration Medicated 342A
 Wirthmore 32 Dairy Concentrate 569A
 Wirthmore 14 Dairy Feed 521A
 Wirthmore 16 Dairy Feed 522A
 Wirthmore 20 Dairy Feed 524A
 Wirthmore 36% Dairy Mixing Feed 564A
 Wirthmore .007% Dienestrol Diacetate Mixture in Wirthmore Finisher 185A
 Wirthmore Duck Growing 452A
 Wirthmore Fodder Greens 581A
 Wirthmore Game Bird Grower Ration 322A
 Wirthmore Game Bird Starter Medicated 313A
 Wirthmore Grow & Egg Mash
 Wirthmore Grow & Egg Mash SQ 250A Medicated
 Wirthmore Hi-Cal Broiler Finisher A 142A Medicated
 Wirthmore Hi-Cal Broiler Starter A 123A Medicated
 Wirthmore 14 Hi-Cal Pellets Dairy Feed 531A
 Wirthmore 16 Hi-Cal Pellets Dairy Feed 532A
 Wirthmore 18 Hi-Cal Pellets Dairy Feed 533A
 Wirthmore Hi-Cal Roaster Finisher A 179A Medicated
 Wirthmore Hi-Ener-G Broiler Ration A 140A Medicated
 Wirthmore Hi-Ener-G Breeder ARSAN 261A Medicated
 Wirthmore Hi-Ener-G 16 220A
 Wirthmore Hi-Ener-G 17 237A
 Wirthmore Hi-Ener-G Layer ARSAN 216A Medicated
 Wirthmore Hi-Ener-G 16 Layer Medicated 231A
 Wirthmore Hi-Ener-G 17 Layer Medicated 238A
 Wirthmore Hog Grower 722A
 Wirthmore Horse Feed 811A
 Wirthmore Meatless Mink Food 842A
 Wirthmore Medicated Ketrol 576A
 Wirthmore Medicated Quickies 413A
 Wirthmore Medicated Quickies 423A
 Wirthmore Medicated Quick Perk 412A
 Wirthmore Medicated Treat 414A
 Wirthmore Medicated Turk-E-Perk 314A
 Wirthmore Milk Mizer 571A
 Wirthmore Mink Food 841A
 Wirthmore Original New Hope Horse Feed 815A
 Wirthmore New Hope Complete Horse Feed 813A
 Wirthmore Horse Perkies 817A
 Wirthmore O. P. M. Scratch 467T
 Wirthmore Pig and Sow Feed 721A
 Wirthmore Pig Starter Medicated 711A
 Wirthmore 36% Poultry Concentrate 291A
 Wirthmore Poultry Fitting 418A
 Wirthmore Poultry Wormer 416A Pellets

WIRTHMORE FEEDS INC. -Cont.

Wirthmore 16 Pro-Cal Pellets Dairy Feed 538A
 Wirthmore Pullet Developer 202A
 Wirthmore Rabbit Pellets 831A
 Wirthmore Rabbit Pellets Medicated 832A
 Wirthmore 14 Record Dairy Feed 517A
 Wirthmore 16 Record Dairy Feed 512A
 Wirthmore 18 Record Dairy Feed 513A
 Wirthmore 20 Record Dairy Feed 519A
 Wirthmore 14 Record Fitting and Calving Feed 516A
 Wirthmore Scratch 461A
 Wirthmore Stock Primer 616A
 Wirthmore Stable Mate Complete Horse Feed 816A
 Wirthmore Super Pellets 411A
 Wirthmore 16 Test Dairy Feed 514A Pellets
 Wirthmore Turkey Growing Ration 321A
 Wirthmore Turkey Growing Ration Medicated 323A
 Wirthmore Turkey Starter SQ 312A Medicated
 Wirthmore Twin Mix Calf Feed 573A
 Wirthmore 16 Ultra-Cal Pellets Dairy Feed 537A

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

Big Y Caged Layer Ration
 Big Y Calf and Beef Ration
 Big Y Calving Ration
 Big Y Cavalier Horse Feed
 Big Y Chick Scratch Grain
 Big Y Chlortetracycline (Aureomycin) Mixture
 Big Y Complete Calf Starter and Builder
 Big Y Complete Grower Layer Mash
 Big Y Confinement Growing Mash
 Big Y Controlled Growing Ration
 Big Y Dairy Ration Purity No Filler
 Big Y 16% Dairy Ration
 Big Y 18% Dairy Ration
 Big Y 20% Dairy Ration
 Big Y Dairy Ration Purity
 Big Y Dairy & Fitting Ration (Coarse)
 Big Y Dairy Supplement 32%
 Big Y Energized 16 Dairy Feed
 Big Y Extra Production Laying Mash
 Big Y Hi-Efficiency Breeder Ration
 Big Y Hi-Efficiency Grower
 Big Y Hi-Efficiency Grower Medicated
 Big Y Hi-Efficiency Laying Mash
 Big Y Hi-Efficiency Laying Mash Medicated NF180
 Big Y Hi-G Dairy Ration
 Big Y Hi-G Dairy Ration 20%
 Big Y Hi-G Scratch Feed
 Big Y Histostat Mixture Mixed-Big Y Turkey Growing Feed
 Big Y Hog & Pig Ration
 Big Y Horse Feed
 Big Y Improved Al Mo

THE YANTIC GRAIN & PRODUCTS CO. -Cont.

Big Y Improved Broiler Finisher
 Big Y Improved Broiler Finisher Medicated
 Big Y Improved Broiler Ration Medicated
 Big Y Improved Turkey Starter & Game Bird Feed Medicated
 Big Y Intermediate Chick Grain
 Big Y 20% Laying Mash
 Big Y M and O Growing Feed
 Big Y Milk Replacer for Calves
 Big Y Peerless Broiler Ration Medicated
 Big Y Poultry Fitting Ration
 Big Y Powerhouse Crumbles Medicated
 Big Y Pre Starter Medicated
 Big Y Producto Pels
 Big Y Rabbit Pellets
 Big Y Scratch Feed
 Big Y Sheep and Goat Feed
 Big Y Station Fattener Pellets
 Big Y Stock Feed
 Big Y Super Starter Ration Medicated
 Big Y Super Starter & Broiler Ration
 Big Y Supreme Laying Mash
 Big Y Test Cow Ration
 Big Y Turkey Fattener
 Big Y Turkey Growing Feed
 Big Y Turkey Growing Feed Medicated
 Big Y Worming Mash

MEYER ZAUSNER, INC., New Holland, Pa.

Zausner Condensed Whole Whey

WITAMIN CARRIERS

AMERICAN CYANAMID CO., P. O. Box 400, Princeton, N. J.

(See also Feeds)

AUREOMYCIN Chlortetracycline Crumbles

CLINTON CORN PROCESSING CO., Clinton, Iowa

(See also Feeds)

Clinton CFS Concentrate No. 1

DARI-DRI COMPANY, Div. of Milk Specialties, Water & Illinois St., Dundee, Ill.

(See also Feeds)

DARI-DRI Baby Calf Formula

DAWNWOOD FARMS, Amenia, N. Y.

(See also Feeds)

Dawnwood Farms Caf-Star

Dawnwood Farms HI-FAT CAF-STAR

PEDER DEVOLD OIL CO., Div. of Chas. L. Huisking & Co., Inc., 417 Fifth Ave., New York 17, N. Y.

Peder Devold Cod Liver Oil N. F.

EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central St., West Springfield, Mass.

(See also Feeds)

Calf Saver Tablets

JOHN G. EWING CO., La Salle, Col.

Formula 707 Conditioner

THE FOX COMPANY, Newfield, N. J.

Foxco Qualadee 300-D-2250-A

H. P. HOOD & SONS, INC., 500 Rutherford Ave., Boston 29, Mass.

(See also Feeds)

Pep-Lac

Whey-Lac

INTERNATIONAL STOCK FOOD CORP., 533 Broad St., Waverly, N. Y.

(See also Feeds)

Rumen Bacteria and Nux Vomica Mix Incorporated in I. S. F. Cattle Special

Rumen Bacteria Mix Incorporated in I. S. F. Grow-Em Milk Replacer

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

(See also Feeds)

KAFF-A Feed Booster Pellets for Heifers, Cows, Beef Cattle, Lambs and Sheep

KAFF-A Milk Replacer for Calves Medicated

Pace Feed Booster Pellets for Horses, Ponies & Colts

Pex Feed Booster Pellets for Layers & Breeders

PEX Condensed for Poultry

PEX Self Feeder Block for Poultry

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

(See also Feeds)

No. 1339 Feed Mixture

No. 1061 Feed Supplement

No. 659 Vitamin Mixture

MILK SPECIALTIES, INC., Water & Illinois St., Dundee, Ill.

(See also feeds)

Dari-Dri Veal Formula

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

(See also Feeds)

Calvita (Trade Mark Reg.) Calf Formula
Calvita Vealer Milk Replacer Medicated

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

(See also Feeds)

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

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

(See also Feeds)

Purina Cattle-Plus

STABILIZED VITAMINS DIVISION, Commercial Solvents Corp.,
142 Monroe St., Garfield, N. J.

Permadyr 30,000
Perma-Dual 30,000
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 Broilers
Premix 2-4-9-10
Pro-Strep and Vitamin A Premix
Vitaron Vitamin A and D Feeding Oil

STANDARD BRANDS, INC., Special Products Div., Agricultural
Dept., 625 Madison Ave., New York 22, N. Y.

Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

TRI ASSOCIATES, INC., 8500 Pillsbury Avenue So.,
Minneapolis, Minn.

(See also Feeds)

Tri's Grade A Brand Milk Replacer - Medicated

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Derby All-Purpose Premix
Flav-A-Dee
Whitmoyer 150D - 1500A Pure Cod Liver Oil

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

(See also Feeds)

Wirthmore Meatless Mink Food 842A
Wirthmore Mink Food 841A

In the calendar year 1963, a total of 1,557 samples was examined. This total included official samples of commercial feeds, concentrates of vitamin D and other vitamins, and miscellaneous materials, as shown in the following summary:

Biological specimens analyzed for poison	178
Check feeds, A. A. F. C. O., etc.	12
Commercial feeding stuffs, official samples	694
Miscellaneous feeds, etc., analyzed for purchasers	70
Pasture grass and feedstuffs for Storrs Station	535
Vitamin carriers	68
	<hr/>
	1,557

The samples examined for Storrs Station were submitted in connection with investigations of that Station, and are not discussed in this report.

Commercial Feeding Stuffs

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

Total number of samples	694
Samples deficient in:	
one item	62
two items	6
three items	<u>1</u> 69
Percentage of samples meeting guaranties	90
Total guaranties made	2,196 ²
Guaranties not met:	
protein	20
fat	16
fiber	7
furazolidone	1
4-nitrophenylarsonic acid	1
phenothiazine	1
sulfaquinoxaline	2
zoalene	<u>2</u> 50
Percentage of guaranties met	98

The proportion of samples meeting all guaranties was slightly lower than the 93 per cent found in 1962, but still exceeded the findings for 1960 and 1961. The overall percentage of satisfactory guaranties was two points higher than for the four-year period 1959-1962. This is a commendable record, particularly so in the

² Seventeen samples with five guaranties, 101 with four guaranties, 564 with three guaranties, seven with two guaranties, one with one guaranty, and four with no guaranty (guaranties for undetermined medicants not included).

light of the fact that a substantial proportion of these feeds contained accurately-measured small fractions of one per cent of various drugs.

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.

Vitamin Carriers

Sixty-eight samples of vitamin concentrates were examined. Assays on these were as follows: Twenty-three for vitamin D only, using the A. O. A. C. chick method; 36 for vitamin D, calcium pantothenate, niacin and riboflavin; two for calcium pantothenate, niacin, riboflavin and thiamine; two for these four vitamins plus folic acid; one for calcium pantothenate, niacin and riboflavin; one for niacin and riboflavin; one for niacin only; and one for riboflavin only. Results of all assays are given in Table 2.

No deficiency in vitamin D was found in any sample on the basis of a \pm 20 per cent tolerance, the numbers of samples containing either too little or too much of the other vitamins were as follows:

<u>Too high or low in</u>	<u>No. of samples</u>	
Calcium pantothenate, folic acid, niacin, riboflavin and thiamine	1	
Calcium pantothenate, niacin and riboflavin	1	
Calcium pantothenate and folic acid	1	
Calcium pantothenate and riboflavin	2	
Niacin, riboflavin and thiamine	1	
Calcium pantothenate	9	
Niacin	2	
Riboflavin	4	
Riboflavin and thiamine	1	22

Of the total of 68 samples, 46, or 68 per cent, met all guaranties.

Miscellaneous Feeds

Seventy unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers and consumers, samples of hay and silage for farmers, and miscellaneous materials suspected of having poisoned livestock or pets. There were also two feed samples submitted by the Maine Agricultural Experiment Station for check determinations of their amprolium contents, and nine samples of hay, silage and mixed feed taken by the State Department of Agriculture at three dairy farms in an attempt to find the source of DDT in the milk of these producers.

No deleterious substance was found in any commercial feed, and the only samples found to contain definitely significant proportions of any poisons were the following:

9992 and 9993. Corn. State Board of Fisheries and Game. Baited with strychnine.

8746. Fresh Chicory. Lake Growers Coöperative, Belle Glade, Florida. This sample, which was purchased at the "Food Fair" in Stratford, was submitted because some canaries to whom it had been fed had died within two minutes. Analyses showed 16 parts per million of parathion, which is 16 times the legal tolerance. This is the only case of a food containing a significant excess of a pesticide that we have encountered to date.

8724. Meat Suspected of Being Poisoned Bait. L. O. Nezvesky, D. V. M., Trumbull, Conn. Unidentified alkaloid present.

8522. Pink Powder. Health Dept., Waterbury, Conn. This was apparently a fertilizer - insecticide mixture; it contained 0.23 per cent of lead arsenate (PbHAsO₄).

Of nine samples of various mink foods submitted to find out why minks were miscarrying and their kits being born dead, a fish head and the ear of an unidentified animal were each found to contain about 0.1 part per million of dieldrin or endrin; the fish head also contained less than 1 p.p.m. each of DDT and TDE. Whether these low proportions of pesticides bore any causative relation to the complained-of symptoms is doubtful.

Of the nine samples tested for DDT for the State Department of Agriculture, six were free of this insecticide, one silage contained 5.7 parts per million, and two hays contained respectively 0.2 and 0.1 p.p.m. The concentration in the silage was high enough to produce detectable traces of DDT in the cows' milk; those in the hays were probably too low to have any such effect.

Biological Specimens Examined for Poisons

One hundred and seventy-eight biological specimens, mostly of domestic animals and poultry, were submitted for examination because of suspected poisoning. In 39 of them poisonous substances were present in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the numbers of specimens in which they were found, are summarized as follows: Chlordane (1); chromium (2); chromium with mercury (1); chromium with sanguinarin or lobeline (1); cyanide (2); DDT (1); guthion (1); lead (13); lead with thallium (1); mercury (8); mercury with an unidentified alkaloid (1); mercury with zinc (1); nitrate (1); titanium (1); unidentified alkaloids (3); and white pine needles (1).

A number of investigational samples of birds and fish were analyzed for DDT and other insecticides, but the only samples in which sufficient proportions of pesticides were present to indicate possible poisoning were the following: The viscera of a robin contained 65 parts per million of DDT; the liver and kidney of a heifer

contained 9 p.p.m. of chlordane; and guthion was found in a ewe in amounts of 2.3 p.p.m. in the kidney, 1.3 p.p.m. in the liver, and 6.9 p.p.m. in the stomach contents.

The case of nitrate poisoning involved a dog whose liver and stomach contents each contained 400 p.p.m. of nitrate nitrogen. The lead and thallium case was that of a raccoon; the titanium was found in a cervical lymph node of a human patient; and the white-pine-needle poisoning case was that of a goat.

Check Feeds

Twelve feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials.

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TABLE I. ANALYSIS OF DOMESTIC FEEDS

Sample No.	Manufacturer	Analysis	Remarks
0001	ALBANY CRISTAL FEED CO.	...	...
0002	ALBANY CRISTAL FEED CO.	...	...
0003	ALBANY CRISTAL FEED CO.	...	...
0004	ALBANY CRISTAL FEED CO.	...	...
0005	ALBANY CRISTAL FEED CO.	...	...
0006	ALBANY CRISTAL FEED CO.	...	...
0007	ALBANY CRISTAL FEED CO.	...	...
0008	ALBANY CRISTAL FEED CO.	...	...
0009	ALBANY CRISTAL FEED CO.	...	...
0010	ALBANY CRISTAL FEED CO.	...	...
0011	ALBANY CRISTAL FEED CO.	...	...
0012	ALBANY CRISTAL FEED CO.	...	...

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
1629	ACME-EVANS CO., INC., Indianapolis, Ind. Acme Yellow Hominy Feed	9.84	9.00	9.75
0469	ALBERS MILLING CO. (Division of Carnation Co.), Los Angeles 36, Calif. Albers Calf Manna	9.91	25.00	25.50
0470	Albers Rabbit Breeder Paks	8.67	15.00	17.50
0471	Albers Sho-Glo	8.27	22.00	22.75
0978	Albers Spur	9.59	25.00	26.25
0733	Albers Suckle	7.41	24.00	26.75
0953	AMERICAN CRYSTAL SUGAR CO., East Grand Forks, Minn. Dried Beet Pulp with Beet Molasses	7.36	9.50	10.25
0790	Plain Dried Beet Pulp	8.36	8.50	8.75
1083	AMERICAN CYANAMID CO., Princeton, N. J. Aureomycin Chlortetracycline Vitamin A & D Crumbles	7.12	15.00	18.75
0965	Cyrea Urea Feed Compound	....	262.00	266.76
0225	AMERICAN FEED CO., New York 53, N. Y. AFCO Brand Dried Bakery Product	9.69	9.50	10.25
0481	AFCO Brand Dried Bakery Product	9.00	9.50	11.25
1070	ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn. ADM Linseed Meal Grits	11.15	32.00	32.75
0987	ATLANTIC PROCESSING CO., Amagansett, N. Y. Smith's Lifeline Fish Meal	6.27	60.00	64.38

~ Indicates deficiencies.

INSPECTION OF 1963

Guaran- teed not less than	Fat Found	Guaran- teed not more than	Fiber Found	Medicants
3.00	2.96	6.00	5.72	
2.00	2.04	22.00	20.97	
5.00	5.19	7.00	5.73	
2.00	2.36	13.00	11.60	
5.00	5.24	1.00	0.74	
0.30	0.50	19.00	16.48	
0.30	0.38	22.00	20.50	
4.00	4.83	24.00	23.02	Chlortetracycline hydrochlor- ide: Guar., 2.0 gm/lb.; not determined.
....	
8.00	7.86	2.00	1.08	
8.00	8.03	2.00	1.11	
0.50	2.69	11.00	<u>12.16</u>	
5.00	10.64	3.00	0.25	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
0457	BAY STATE MILLING CO., Leavenworth, Kan. Bay State "Wheat Shorts" with Ground Wheat Screenings	13.05	16.00	17.25
0761	BEACON FEEDS, Beacon Div. Textron, Inc., Cayuga, N. Y. Beacon Balancer Pellets	9.71	20.00	20.00
0763	Beacon Brisk Complete Horse Feed	10.31	12.50	12.75
1847	Beacon Broiler Finisher APP Med.	10.26	20.00	21.25
0890	Beacon Calf Grow	11.01	17.00	17.25
0847	Beacon Chinchilla Pellets	8.87	19.00	19.00
1552	Beacon "15" Coarse Test Cow Ration	10.87	15.00	15.00
0762	Beacon Complete Rabbit Pellets	9.46	17.00	17.75
0888	Beacon Dairy Fitting	11.23	14.00	14.75
1725	Beacon 0.007% Dienestrol Diace- tate Mix in Beacon Poultry Finisher	10.96	15.00	16.00
1075	Beacon Duck Breeder	10.14	17.00	16.50
0894	Beacon Duck Grower Finisher (Pellets)	11.65	15.50	16.00
1143	Beacon Egg Check A Medicated	10.01	15.00	15.50
0764	Beacon "22" Egg Mash	9.69	22.00	24.25
1242	Beacon Egg Mate A Medicated	10.14	16.00	16.75
1245	Beacon Hi-Energy Hog Finisher Pellets Medicated	10.47	14.00	14.25
0227	Beacon Hi-Energy "16" Test Pel-ets	9.81	16.00	16.25
0891	Beacon Lacto-Pels "16"	10.07	16.00	16.75
1243	Beacon Market Egg All-Mash-A Medicated	10.50	17.00	17.75
0760	Beacon Milk Check Coarse "16"	9.91	16.00	17.25
0889	Beacon Milk Check Fitting Ration	10.00	14.00	15.50

Indicates deficiencies.

INSPECTION OF 1963

Fat		Fiber		Medicants
Guaran- teed not less than	Found	Guaran- teed not more than	Found	
3.50	4.74	7.00	7.72	
3.00	3.75	6.00	4.67	
2.50	2.59	18.00	14.97	
6.00	5.09	3.50	2.30	Amprolium: Guar., 0.0125%; found, 0.0140%. Ethopabate: Guar., 0.0004%; found, 0.00038%.
3.00	3.23	9.00	6.28	
2.50	3.58	14.00	13.12	
4.00	4.48	7.50	6.62	
3.50	4.23	13.00	10.00	
3.50	4.11	8.00	7.04	
4.00	4.31	4.50	2.36	Dienestrol Diacetate: Guar., 0.0070%; found, 0.0060%. Nicarbazin Guar., 0.0125%; found, 0.0108%.
3.00	3.23	7.00	5.31	
2.75	3.98	6.50	5.21	
2.50	3.24	6.00	5.76	Arsanilic acid: Guar., 0.009%; found, 0.0080%.
3.50	4.16	6.00	4.34	
3.00	4.59	5.00	3.94	Arsanilic acid: Guar., 0.0090%; found, 0.0088%.
3.00	3.18	7.00	3.98	Arsanilic acid: Guar., 0.0090%; found, 0.0088%.
4.25	4.59	7.00	7.34	
3.50	3.54	9.00	9.13	
3.50	4.67	4.00	3.09	Arsanilic acid: Guar., 0.0090%; found, 0.0083%.
3.75	3.68	9.00	9.30	
3.00	2.94	10.00	10.20	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
1549	Beacon "24" Mixer	9.21	24.00	26.75
1142	Beacon Pig Gro Pellets Medicated	10.31	16.00	18.00
1551	Beacon Prof-Ets "16"	9.99	16.00	16.50
1915	Beacon Rumentrol Medicated (Pellets)	9.53	16.00	17.00
0226	Beacon Sweet "16" Dairy Ration	11.24	16.00	17.25
0759	Beacon Tally-Ho Horse Feed	12.34	11.00	11.50
0887	Beacon "16" Test Cow Ration	11.43	16.00	16.00
0895	Beacon "20" Turkey Grower (Pellets)	11.31	20.00	20.75
0848	Be-Co-Nurse Milk Replacer	4.73	24.00	24.25
1555	Hominy Feed	9.93	.....	11.25
0846	Pro-Pel "16" Dairy	9.67	16.00	16.00
1550	Standard Midds	10.19	.....	17.50
	THE BERKMAN GRAIN CO., North Franklin, Conn.			
0368	Nibco 18% Dairy Ration	10.99	18.00	18.00
0369	Nibco Fitting Ration	11.36	14.00	14.00
1731	Nibco Five Star Roaster	11.84	16.00	17.25
1722	Nibco Five Star Roaster Feed	11.06	16.00	19.00
1723	Nibco Five Star Roaster (Pellets)	10.61	16.00	17.25
1729	Nibco Five Star Roaster (Pellets)	11.02	16.00	17.75
1565	Nibco Five Star Super Starter	11.21	25.00	24.25
1566	Nibco Five Star Weight Maker	9.75	22.00	21.25

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                                                                                             |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                                                       |
| 3.00                                | 3.00  | 9.00                                | 8.13  | Arsanilic Acid: Guar., 0.0090%;<br>found, 0.0078%.                                                                                                                                    |
| 3.00                                | 3.35  | 5.00                                | 3.60  |                                                                                                                                                                                       |
| 3.75                                | 3.89  | 9.00                                | 8.98  | Sodium Propionate: Guar.,<br>1.67%; not determined.                                                                                                                                   |
| 3.50                                | 3.63  | 8.00                                | 5.57  |                                                                                                                                                                                       |
| 3.50                                | 4.14  | 8.50                                | 6.82  | Nicarbazin: Guar., 0.010%;<br>found, 0.0106%.                                                                                                                                         |
| 3.00                                | 2.94  | 10.00                               | 5.99  |                                                                                                                                                                                       |
| 4.00                                | 4.04  | 8.00                                | 6.85  | Nicarbazin: Guar., 0.010%;<br>found, 0.0110%. Dienestrol<br>diacetate: Guar., 0.0023%;<br>found, 0.0023%. Chlortetracy-<br>cline hydrochloride: Guar.,<br>100 gm/ton; not determined. |
| 3.00                                | 3.90  | 5.50                                | 3.60  |                                                                                                                                                                                       |
| 10.00                               | 2.40  | 0.25                                | 0.13  | Nicarbazin: Guar., 0.010%;<br>found, 0.0098%. Dienestrol<br>diacetate: Guar., 0.0070%;<br>found, 0.0069%.                                                                             |
| ....                                | 4.50  | ....                                | 4.64  |                                                                                                                                                                                       |
| 3.00                                | 3.10  | 12.00                               | 12.52 | Nicarbazin: Guar., 0.010%;<br>found, 0.0112%. Dienestrol<br>diacetate: Guar., 0.0023%;<br>found, 0.0022%.                                                                             |
| ....                                | 4.13  | ....                                | 7.11  |                                                                                                                                                                                       |
| 4.00                                | 3.17  | 8.00                                | 6.64  | Nicarbazin: Guar., 0.010%;<br>found, 0.0106%. 3-Nitro-4-<br>hydroxyphenylarsonic acid:<br>Guar., 0.005%; found, 0.005%.                                                               |
| 4.00                                | 4.20  | 8.00                                | 7.29  |                                                                                                                                                                                       |
| 4.50                                | 5.29  | 3.00                                | 2.32  | Nicarbazin: Guar., 0.010%;<br>found, 0.0114%. 3-Nitro-4-<br>hydroxyphenylarsonic acid:<br>Guar., 0.005%; found, 0.0043%.                                                              |
| 4.50                                | 4.98  | 3.00                                | 1.98  |                                                                                                                                                                                       |
| 4.50                                | 5.23  | 3.00                                | 2.36  |                                                                                                                                                                                       |
| 4.50                                | 5.19  | 3.00                                | 2.25  |                                                                                                                                                                                       |
| 7.00                                | 7.50  | 2.50                                | 2.83  |                                                                                                                                                                                       |
| 6.00                                | 6.78  | 2.50                                | 2.86  |                                                                                                                                                                                       |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                      | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                             |               | Guaran-<br>teed not<br>less<br>than | Found |
| 1544        | Nibco Five Star Weight Maker<br>(Pellets)                   | 10.30         | 22.00                               | 22.00 |
| 1727        | Nibco Five Star Weight Maker<br>(Pellets)                   | 10.74         | 22.00                               | 22.00 |
| 0370        | Nibco High Energy Layer                                     | 10.48         | 16.00                               | 14.50 |
| 1085        | Nibco Medicated Booster Feed                                | 10.84         | 20.00                               | 20.00 |
| 1545        | Nibco Pullet Builder                                        | 10.82         | 15.50                               | 14.25 |
| 1113        | Nibco Pullet Starter                                        | 11.41         | 20.00                               | 20.50 |
| 1728        | Nibco Special Five Star Lo Color                            | 11.29         | 18.00                               | 19.00 |
|             | BLATCHFORD CALF MEAL CO.,<br>Waukegan, Ill.                 |               |                                     |       |
| 1415        | Blatchford's Calf Meal                                      | 9.00          | 24.00                               | 25.50 |
|             | BLOOMFIELD FARMERS'<br>EXCHANGE, INC.,<br>Bloomfield, Conn. |               |                                     |       |
| 8673        | Bloomfield 16% Dairy Ration                                 | 6.79          | 16.00                               | 18.00 |
| 0420        | Bloomfield 16% Dairy Ration                                 | 10.96         | 16.00                               | 17.75 |
| 0423        | Bloomfield 16% Dairy Ration                                 | 12.15         | 16.00                               | 17.25 |
|             | BROOKLAWN GRAIN & FEED<br>CO., Bridgeport, Conn.            |               |                                     |       |
| 0903        | Brooklawn Dairy Ration                                      | 10.16         | 16.00                               | 20.00 |
| 0902        | Brooklawn High Energy Layer                                 | 10.00         | 18.00                               | 18.25 |
|             | BROWN-FORMAN DISTILLERS<br>CORP., Louisville, Ky.           |               |                                     |       |
| 0474        | Brown-Forman Distillers Dried<br>Grains                     | 7.85          | 23.00                               | 25.00 |
| 1012        | Brown-Forman Distillers Dried<br>Solubles                   | 7.41          | 24.00                               | 28.00 |
|             | BRUNETTO-ECONOMOV CHEESE<br>CORP., Hinesburg, Vt.           |               |                                     |       |
| 0362        | Dried Whole Whey                                            | 5.39          | 11.00                               | 12.50 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                             |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                       |
| 6.00                                | 8.06  | 2.50                                | 2.07  |                                                                                                                       |
| 6.00                                | 6.77  | 2.50                                | 1.78  | Nicarbazin: Guar., 0.01%;<br>found, 0.0114%. 3-Nitro-4<br>hydroxyphenylarsonic acid:<br>Guar., 0.005%; found, 0.005%. |
| 3.00                                | 5.13  | 4.00                                | 2.70  |                                                                                                                       |
| 3.00                                | 6.06  | 4.50                                | 2.68  | Chlortetracycline hydrochloride                                                                                       |
| 3.00                                | 3.66  | 6.00                                | 4.22  | Guar., 0.1 gm/lb.; not detd.                                                                                          |
| 3.00                                | 5.26  | 4.00                                | 2.86  | Sulfaquinoxaline: Guar.,<br>0.0150%; found, 0.0158%.                                                                  |
| 4.50                                | 5.00  | 3.50                                | 1.83  | Nicarbazin: Guar., 0.010%;<br>found, 0.0102%.                                                                         |
| 2.00                                | 3.10  | 5.00                                | 4.77  |                                                                                                                       |
| 3.50                                | 3.23  | 8.00                                | 9.94  |                                                                                                                       |
| 3.50                                | 3.93  | 8.00                                | 6.85  |                                                                                                                       |
| 3.50                                | 3.74  | 8.00                                | 6.44  |                                                                                                                       |
| 3.00                                | 4.00  | 8.50                                | 6.80  |                                                                                                                       |
| 4.00                                | 4.12  | 5.00                                | 5.07  |                                                                                                                       |
| 7.00                                | 6.54  | 15.00                               | 15.25 |                                                                                                                       |
| 8.00                                | 7.82  | 4.00                                | 4.22  |                                                                                                                       |
| .....                               | ..... | 0.50                                | 0.15  |                                                                                                                       |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                                                          | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                                                                                 |          | Guaranteed not less than | Found |
| 0360        | CALVERT MILLING CO.,<br>Hoytville, Ohio<br>17% Dehydrated Alfalfa Meal                                                          | 7.46     | 17.00                    | 18.75 |
| 0452        | CAMDEN GRAIN CO.,<br>Camden, N. J.<br>Camden Brand Brewer's Dried Grains                                                        | 10.34    | 24.00                    | 25.50 |
| 0864        | CAMP MILLING CO., INC.,<br>Walton, N. Y.<br>Camp's Milk Replacer                                                                | 4.37     | 21.00                    | 21.75 |
| 0976        | CANADA & DOMINION SUGAR<br>CO., LTD., Chatham, Ont.,<br>Canada<br>"Dominion" Dried Beet Pulp                                    | 7.76     | 7.00                     | 9.25  |
| 1645        | Dominion Dried Beet Pulp &<br>Beet Molasses                                                                                     | 9.22     | 7.00                     | 7.25  |
| 0870        | THE CANADA LINSEED OIL<br>MILLS, LTD., Montreal,<br>Quebec, Canada<br>Maple Leaf 34% Protein Expeller<br>Linseed Oil Meal Grits | 9.05     | 34.00                    | 35.00 |
| 0209        | CARGILL, INC.,<br>Minneapolis 15, Minn.<br>Cargill, Inc. 44% Protein Solvent<br>Extracted Soybean Oil Meal                      | 11.31    | 44.00                    | 45.25 |
| 1543        | CENTRAL ALFALFA, INC.,<br>Lexington, Neb.<br>The Miracle Mix Dehydrated<br>Alfalfa Meal                                         | 6.89     | 20.00                    | 19.75 |
| 1087        | CENTRAL CONN. CO-OP<br>FARMERS' ASSN., INC.,<br>Manchester, Conn.<br>Honest Brand Aureomycin Mix<br>Medicated                   | 11.21    | 18.00                    | 19.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------------|---------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 1.50 | 3.44 | 27.00 | 24.70 | |
| 4.00 | 4.40 | 17.00 | 14.63 | |
| 8.50 | 8.75 | 0.50 | 0.31 | |
| 0.30 | 0.43 | 22.50 | 19.41 | |
| 0.30 | 0.64 | 20.00 | 15.08 | |
| 4.00 | <u>3.03</u> | 9.00 | <u>2.79</u> | |
| 0.50 | 0.68 | 7.00 | 4.96 | |
| 1.50 | 3.06 | 22.00 | 22.21 | |
| 4.00 | 4.44 | 4.00 | 4.11 | Chlortetracycline hydrochloride: Guar., 0.1 gm/lb.; not determined. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|---------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 0615 | Honest Brand Complete Breeder Mash | 10.57 | 16.00 | 16.75 |
| 0094 | Honest Brand Complete Ration High Energy Growing Mash | 12.41 | 15.00 | 15.75 |
| 0093 | Honest Brand Complete Ration High Energy Growing Mash Medicated | 12.37 | 15.00 | 15.75 |
| 1124 | Honest Brand Complete Ration High Energy Growing Mash SQ Mixture | 10.69 | 15.00 | 15.00 |
| 1097 | Honest Brand Complete Ration High Energy Growing Mash with Triple Mix Medicated | 11.00 | 15.00 | 15.75 |
| 0092 | Honest Brand Complete Ration High Energy Laying Mash | 11.69 | 15.00 | 15.50 |
| 1251 | Honest Brand Complete Ration High Energy Laying Mash | 9.97 | 15.00 | 15.50 |
| 0959 | Honest Brand Nu Weigh Hi Broiler Finisher Mash | 10.77 | 20.00 | 20.50 |
| 0958 | Honest Brand Nu Weigh Hi Broiler Finisher Mash (Pellets) | 10.47 | 18.00 | 19.00 |
| 1852 | Honest Brand Nu Weigh-Hi Broiler Mash Medicated | 10.16 | 22.00 | 24.00 |
| 1112 | Honest Brand Nu Weigh-Hi Starter Mash Medicated | 12.62 | 20.00 | 20.75 |
| | CENTRAL SOYA, McMillen Feed Div., Fort Wayne, Ind. | | | |
| 0472 | Forty-Four 44% Solvent Extracted Soybean Meal | 11.33 | 44.00 | 43.00 |
| 0960 | Master Mix 18% All Mash Turkey Grower 421 | 11.50 | 18.00 | 19.00 |
| 0475 | Master Mix Broiler Finisher Concentrate 375C | 8.96 | 41.00 | 41.00 |
| 1011 | Master Mix Broiler Finisher Concentrate 375C | 9.01 | 41.00 | 41.25 |
| 1853 | Master Mix Broiler Finisher 324-18C Medicated | 10.00 | 20.00 | 20.50 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 4.00 | 4.43 | 4.00 | 3.77 | |
| 3.00 | 5.15 | 4.00 | 3.63 | |
| 4.00 | 5.03 | 4.00 | 3.78 | Hygromycin B.: Guar., 0.006 gm/lb.; not determined. |
| 3.00 | 4.83 | 4.00 | 3.53 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0150%. |
| 3.00 | 4.49 | 4.00 | 4.29 | Streptomycin: Guar., Min. 75 gm.; not determined. Penicillin: Guar., 15 gm.; not determined. |
| 4.00 | 4.89 | 4.00 | 3.35 | |
| 4.00 | 4.48 | 4.00 | 3.94 | Furazolidone: Guar., 0.011%; found, 0.0099%. |
| 6.00 | 5.32 | 3.00 | 2.77 | |
| 2.00 | 5.69 | 6.50 | 3.18 | |
| 5.50 | 6.42 | 4.00 | 2.78 | Amprolium: Guar., 0.0125%; found, 0.0144%. |
| 4.00 | 4.18 | 4.00 | 3.77 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0132%. |
| 0.50 | 0.62 | 7.00 | 8.57 | |
| 3.50 | 3.83 | 5.00 | 4.21 | |
| 10.00 | 11.20 | 5.00 | 4.55 | |
| 10.00 | 9.81 | 5.00 | 4.48 | |
| 7.50 | 7.84 | 4.00 | 2.44 | Amprolium: Guar., 0.0125%; found, 0.0134%. Ethopabate: Guar., 0.0004%; found, 0.00043% |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|--------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 0196 | Master Mix Broiler Starter
Concentrate 351 | 9.57 | 42.50 | 42.50 |
| 1088 | Master Mix Calflac Medicated | 4.56 | 20.00 | 20.25 |
| 1558 | Master Mix Chick Concentrate
153-04G Medicated | 10.12 | 38.00 | 37.75 |
| 1252 | Master Mix Complete Rabbit
Pellets 961-84E Medicated | 9.91 | 15.00 | 16.00 |
| 0961 | Master Mix Complete Turkey
Finisher 445 | 11.09 | 15.00 | 16.00 |
| 0473 | Master Mix Dairy Developer
Concentrate 651 | 10.98 | 24.00 | 24.00 |
| 0621 | Master Mix Egglac Pellets 223 | 10.11 | 20.00 | 21.75 |
| 0989 | Master Mix Egg Mash (Pellets) 211 | 9.81 | 20.00 | 21.25 |
| 0478 | Master Mix H. C. Breeder Con-
centrate 087 | 10.05 | 42.00 | 42.75 |
| 0992 | Master Mix Hog Finisher Con-
centrate 889 | 9.06 | 40.00 | 40.50 |
| 1090 | Master Mix Hog Finisher Con-
centrate 889 | 9.50 | 40.00 | 40.75 |
| 0616 | Master Mix Horse Feed 967 | 12.11 | 10.00 | 11.50 |
| 0622 | Master Mix HQ 20% Dairy 633
Pellets | 10.88 | 20.00 | 20.00 |
| 0199 | Master Mix HQ Master Blend
Concentrate 667 | 10.87 | 38.00 | 38.25 |
| 1089 | Master Mix Medicated Cattle Vita-
Bio 50-350 Pellets (718-03K)
Medicated | 9.59 | 12.00 | 13.50 |
| 0476 | Master Mix Pullet Concentrate 163 | 9.34 | 36.00 | 36.75 |
| 1562 | Master Mix Pullet Concentrate
163-04H Medicated | 8.31 | 36.00 | 37.00 |
| 0988 | Master Mix Sweet Bulk 'N Flakes | 9.85 | 10.00 | 11.00 |
| 0968 | Thrifty-Fifty 50% Solvent
Extracted Soybean Meal | 10.46 | 50.00 | 48.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Guaran-<br>teed not<br>less<br>than | Fat<br>Found | Fiber                               |       | Medicants                                                                                                                                                                                        |
|-------------------------------------|--------------|-------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     |              | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                                                                  |
| 8.50                                | 10.51        | 5.00                                | 4.07  | Chlortetracycline hydrochlor-<br>ide: Guar., 50 gm/ton; not<br>determined. Oxytetracycline<br>hydrochloride: Guar.,<br>50 gm/ton; not determined.<br>Zoalene: Guar., 0.0313%;<br>found, 0.0312%. |
| 11.50                               | 10.58        | 0.50                                | 0.52  |                                                                                                                                                                                                  |
| 4.00                                | 5.58         | 7.00                                | 7.10  | Furazolidone: Guar., 0.0055%;<br>found, 0.0055%. Sulfaquinox-<br>aline: Guar., 0.0125%; found,<br>0.0110%.                                                                                       |
| 2.00                                | 3.65         | 16.00                               | 10.46 |                                                                                                                                                                                                  |
| 3.50                                | 4.00         | 4.50                                | 3.21  | Streptomycin: Guar., 37.5<br>gm/ton; not determined. Peni-<br>cillin: Guar., 7.5 gms/ton;<br>not determined.                                                                                     |
| 1.00                                | 1.30         | 12.00                               | 11.40 |                                                                                                                                                                                                  |
| 3.50                                | 4.20         | 5.00                                | 4.80  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.175 gm/lb.;<br>not determined.                                                                                                                    |
| 2.50                                | 3.90         | 7.00                                | 5.67  |                                                                                                                                                                                                  |
| 5.00                                | 6.26         | 5.00                                | 3.80  | Zoalene: Guar., 0.0335%;<br>found, 0.0357%.                                                                                                                                                      |
| 1.50                                | 3.53         | 6.00                                | 4.57  |                                                                                                                                                                                                  |
| 1.50                                | 3.53         | 6.00                                | 5.18  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.175 gm/lb.;<br>not determined.                                                                                                                    |
| 3.00                                | 2.70         | 9.00                                | 6.74  |                                                                                                                                                                                                  |
| 3.00                                | 3.03         | 5.00                                | 4.43  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.175 gm/lb.;<br>not determined.                                                                                                                    |
| 0.50                                | 1.82         | 5.00                                | 3.56  |                                                                                                                                                                                                  |
| 2.50                                | 2.95         | 13.00                               | 10.96 | Zoalene: Guar., 0.0335%;<br>found, 0.0357%.                                                                                                                                                      |
| 2.50                                | 4.58         | 8.00                                | 8.28  |                                                                                                                                                                                                  |
| 2.50                                | 4.37         | 8.00                                | 7.35  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.175 gm/lb.;<br>not determined.                                                                                                                    |
| 1.00                                | 1.52         | 20.00                               | 20.41 |                                                                                                                                                                                                  |
| 0.50                                | 0.98         | 3.00                                | 3.29  |                                                                                                                                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                            | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---------------------------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                                                                   |               | Guaran-<br>teed not<br>less<br>than | Found |
| 0896        | S. J. CHERRY & SONS, LTD.,<br>Preston, Ontario, Canada<br>S. J. Cherry Wheat Bran                 | 10.64         | 13.50                               | 16.50 |
| 0626        | CITRUS FEED CO., Lakeland,<br>Fla.<br>Citrus Crest All Sweet Dried<br>Citrus Pulp                 | 9.23          | 6.00                                | 6.50  |
| 1013        | CLINTON CORN PROCESSING<br>CO., Clinton, Iowa<br>Clinton CFS Concentrate No. 1                    | 8.19          | 25.00                               | 24.25 |
| 0944        | CONN. BI-PRODUCTS, INC.,<br>Columbia, Conn.<br>Hydrolyzed Poultry Feathers                        | 6.37          | 85.00                               | 88.00 |
| 0945        | Meat & Bone Meal                                                                                  | 6.56          | 50.00                               | 46.00 |
| 0943        | Poultry By-Product Meal                                                                           | 3.98          | 60.00                               | 63.50 |
| 0963        | CONSOLIDATED RENDERING<br>CO., Boston 10, Mass.<br>Corenco Feeding Bone Meal                      | ....          | 10.00                               | 12.75 |
| 0416        | Corenco 48% Meat & Bone Scrap                                                                     | 6.89          | 48.00                               | 48.25 |
| 0480        | Corenco 50% Meat & Bone Scrap                                                                     | 7.72          | 50.00                               | 50.00 |
| 0221        | COOPERATIVE GRANGE LEAGUE<br>FEDERATION EXCHANGE,<br>INC., Ithaca, N. Y.<br>Bloomfield Hominy Mix | 14.14         | .....                               | 8.50  |
| 0224        | Hominy                                                                                            | 12.16         | .....                               | 10.50 |
| 0453        | CORN PRODUCTS CO.,<br>New York 22, N. Y.<br>Buffalo Brand 21% Corn Gluten<br>Feed                 | 9.66          | 21.00                               | 24.25 |
| 0402        | CROMPTON GRAIN CO., INC.,<br>West Warwick, R. I.<br>Our Best All Mash Layer                       | 10.02         | 16.00                               | 16.00 |

~ Indicates deficiencies.

INSPECTION OF 1963

| Guaran-<br>teed not<br>less<br>than | Fat<br>Found | Guaran-<br>teed not<br>more<br>than | Fiber<br>Found | Medicants |
|-------------------------------------|--------------|-------------------------------------|----------------|-----------|
|                                     |              |                                     |                |           |
| 2.00                                | 3.01         | 12.00                               | 11.21          |           |
| 2.00                                | 2.27         | 8.00                                | <u>9.49</u>    |           |
| 0.50                                | 5.34         | 1.50                                | 0.56           |           |
| 8.00                                | 10.63        | 3.00                                | 0.81           |           |
| 10.00                               | 13.49        | 3.00                                | 1.37           |           |
| .....                               | .....        | 2.00                                | 0.20           |           |
| 6.00                                | 7.39         | 2.00                                | 1.57           |           |
| 6.00                                | 8.13         | .....                               | .....          |           |
| .....                               | 4.47         | .....                               | 2.98           |           |
| .....                               | 5.43         | .....                               | 4.14           |           |
| 1.00                                | 1.16         | 10.00                               | <u>12.33</u>   |           |
| 3.00                                | 4.50         | 5.00                                | 2.92           |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                        | Mois-<br>ture | Protein<br>(N x 6.25)               |        |
|-------------|-------------------------------------------------------------------------------|---------------|-------------------------------------|--------|
|             |                                                                               |               | Guaran-<br>teed not<br>less<br>than | Found  |
| 0425        | DAWNWOOD FARMS,<br>Amenia, N. Y.<br>Dawnwood Farms Caf-Star                   | 6.85          | 25.00                               | 25.25  |
| 1912        | DELAWARE MILLING CO., INC.,<br>Deposit, N. Y.<br>Chick Starter Mash Medicated | 11.15         | 20.00                               | 21.00  |
| 0332        | Delaware Middlesex All-Mash<br>Layer                                          | 10.57         | 16.00                               | 16.00  |
| 1631        | Delaware Rabbit Pellets                                                       | 9.81          | 16.00                               | 16.00  |
| 0851        | Delaware Scratch Grains                                                       | 12.29         | 9.00                                | 9.00   |
| 0331        | Eastern Conn. Grain Associates<br>Growing Mash                                | 11.41         | 15.00                               | 16.50  |
| 1911        | Eastern Conn. Grain Associates<br>Growing Mash Medicated                      | 11.59         | 15.00                               | 16.75  |
|             | DERBY FEED STORE,<br>Derby, Conn.                                             |               |                                     |        |
| 0449        | Litsky's Hi Energy All Mash<br>Grower                                         | 12.22         | 16.00                               | 17.25  |
| 0200        | Litsky's Hi Energy All Mash<br>Layer                                          | 11.56         | 16.00                               | 16.25  |
| 0448        | Litsky's Hi Energy Layer                                                      | 12.41         | 20.00                               | 21.75  |
| 1116        | Litsky's Hi Energy Starter-<br>Broiler                                        | 10.85         | 20.00                               | 22.50  |
|             | DOMINION MALTING (ONTARIO)<br>LTD., Toronto, Canada                           |               |                                     |        |
| 0914        | Brewer's Dried Grains                                                         | 8.19          | 22.00                               | 22.50  |
| 0904        | 22% Canadian Brewers Grains                                                   | 7.76          | 22.00                               | 25.50  |
|             | DOW BREWERY LTD.,<br>Montreal, Quebec, Canada                                 |               |                                     |        |
| 0795        | Brewer's Dried Grains                                                         | 8.71          | 24.00                               | 24.00  |
|             | E. I. du PONT de NEMOURS &<br>CO., Wilmington, Del.                           |               |                                     |        |
| 0101        | Du Pont Two-Sixty-Two Feed<br>Compound                                        | 1.62          | 262.00                              | 264.00 |

INSPECTION OF 1963

| Fat                                 |             | Fiber                               |       | Medicants                                            |
|-------------------------------------|-------------|-------------------------------------|-------|------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                                      |
| 6.00                                | 7.10        | 1.50                                | 0.64  |                                                      |
| 3.00                                | 3.34        | 4.50                                | 3.98  | Nitrophenide: Guar., 0.02%;<br>found, 0.0161%.       |
| 4.00                                | 4.76        | 4.00                                | 3.88  |                                                      |
| 2.50                                | 2.97        | 17.00                               | 11.70 |                                                      |
| 2.00                                | 2.48        | 5.00                                | 2.15  |                                                      |
| 3.00                                | 3.03        | 4.50                                | 4.38  |                                                      |
| 3.00                                | 3.19        | 4.50                                | 4.03  | Nitrophenide: Guar., 0.02%;<br>found, 0.0168%.       |
| 3.50                                | 3.94        | 4.00                                | 4.16  |                                                      |
| 3.50                                | 3.85        | 4.00                                | 4.64  |                                                      |
| 3.25                                | 3.94        | 4.50                                | 4.58  |                                                      |
| 3.50                                | 3.99        | 4.00                                | 4.16  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0172%. |
| 6.00                                | 6.44        | 20.00                               | 15.28 |                                                      |
| ....                                | 7.08        | .....                               | 15.28 |                                                      |
| 7.00                                | <u>5.52</u> | 15.00                               | 13.38 |                                                      |
| ....                                | ....        | 0.50                                | 0.33  |                                                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                                                            | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                                                                                                   |               | Guaran-<br>teed not<br>less<br>than | Found |
| 0429        | EASTERN STATES FARMERS'<br>EXCHANGE, INC.,<br>West Springfield, Mass.<br>Alfapels 15% Protein Dehydrated<br>Pelleted Alfalfa Meal | 8.40          | 15.00                               | 15.50 |
| 1736        | Broiler Finisher Medicated<br>(Pellets)                                                                                           | 9.66          | 22.00                               | 23.00 |
| 1840        | Broiler Starter Medicated                                                                                                         | 9.98          | 24.00                               | 24.25 |
| 0426        | Calf Starter                                                                                                                      | 11.03         | 18.00                               | 18.00 |
| 1136        | Cashmaker Medicated                                                                                                               | 10.91         | 16.00                               | 17.00 |
| 0653        | Champion                                                                                                                          | 11.81         | 14.00                               | 14.75 |
| 0428        | Class Leader                                                                                                                      | 11.50         | 14.00                               | 14.50 |
| 1724        | Eastern States Dienestrol (102)<br>Diacetate Mixture Lipamone<br>Roaster 1/2-Medicated                                            | 10.34         | 16.00                               | 17.75 |
| 0844        | Fulpail                                                                                                                           | 10.34         | 20.00                               | 20.00 |
| 1138        | Gro-Bits Medicated                                                                                                                | 10.65         | 15.00                               | 16.50 |
| 1841        | Gro-Bits-WM Medicated                                                                                                             | 10.65         | 15.00                               | 16.50 |
| 1135        | Lay-Bits Medicated                                                                                                                | 10.19         | 16.00                               | 18.00 |
| 1240        | Matchmaker Medicated                                                                                                              | 10.81         | 22.00                               | 23.25 |
| 1253        | Medicated Defender                                                                                                                | 10.71         | 16.00                               | 16.75 |
| 1914        | Medicated-Lacto-Life                                                                                                              | 10.37         | 16.00                               | 16.50 |
| 1095        | Medicated-Minuteman                                                                                                               | 10.83         | 24.00                               | 28.50 |
| 1094        | Medicated-Sentinel                                                                                                                | 10.57         | 16.00                               | 16.25 |
| 1282        | Medicated-Turkey Starter F                                                                                                        | 10.52         | 28.00                               | 29.50 |
| 0845        | Milkerpels 14                                                                                                                     | 10.98         | 14.00                               | 17.25 |
| 0350        | Milkerpels 16                                                                                                                     | 10.67         | 16.00                               | 16.50 |
| 8671        | Milkerpels 16                                                                                                                     | 7.31          | 16.00                               | 18.50 |

INSPECTION OF 1963

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                        |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                  |
| 1.50                                | 2.44  | 30.00                               | 27.77 |                                                                                                                  |
| 8.00                                | 8.10  | 4.00                                | 2.45  | Amprolium: Guar., 0.0125%;<br>found, 0.0109%. Ethopabate:<br>Guar., 0.00040%; found,<br>0.00044%.                |
| 5.00                                | 6.18  | 4.00                                | 2.83  | Amprolium: Guar., 0.0125%;<br>found, 0.0111%. Ethopabate:<br>0.0004%; found, 0.00037%.                           |
| 4.00                                | 4.38  | 6.00                                | 4.77  |                                                                                                                  |
| 4.00                                | 4.25  | 3.50                                | 3.07  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0091%.                                                               |
| 2.50                                | 3.29  | 7.00                                | 6.43  |                                                                                                                  |
| 3.00                                | 4.04  | 8.00                                | 5.94  |                                                                                                                  |
| 3.50                                | 3.96  | 4.00                                | 2.49  | Dienestrol Diacetate: Guar.,<br>0.0035%; not determined.<br>Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0103%. |
| 3.00                                | 3.50  | 8.00                                | 6.21  |                                                                                                                  |
| 3.00                                | 4.09  | 5.00                                | 4.26  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0098%.                                                               |
| 3.00                                | 3.01  | 5.00                                | 3.55  | Amprolium: Guar., 0.004%;<br>found, 0.0045%.                                                                     |
| 3.50                                | 4.23  | 4.00                                | 3.11  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0085%.                                                               |
| 4.00                                | 4.46  | 4.00                                | 3.41  | Arsanilic acid: Guar.,<br>0.0132%; found, 0.0130%.                                                               |
| 3.50                                | 3.79  | 4.50                                | 4.15  | Furazolidone: Guar., 0.022%;<br>found, 0.0189%.                                                                  |
| 3.00                                | 3.29  | 6.50                                | 5.63  |                                                                                                                  |
| 5.00                                | 5.94  | 3.50                                | 3.13  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm/lb.; not<br>determined.                                      |
| 3.50                                | 4.86  | 4.50                                | 4.53  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm/lb.; not<br>determined.                                      |
| 3.00                                | 4.00  | 3.50                                | 3.66  | Furazolidone: Guar., 0.011%;<br>found, 0.0104%.                                                                  |
| 3.50                                | 3.83  | 8.00                                | 7.32  |                                                                                                                  |
| 3.50                                | 3.93  | 8.00                                | 7.12  |                                                                                                                  |
| 3.50                                | 4.93  | 8.00                                | 7.19  |                                                                                                                  |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                      | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|---------------------------------------------|----------|--------------------------|-------|
|             |                                             |          | Guaranteed not less than | Found |
| 0796        | Milkerpels 20                               | 9.87     | 20.00                    | 20.00 |
| 0348        | Milkmore                                    | 11.45    | 16.00                    | 16.25 |
| 0656        | Milksaver                                   | 7.06     | 24.00                    | 24.75 |
| 1844        | Pacemaker Medicated                         | 9.83     | 20.00                    | 20.50 |
| 1241        | Pel-Lay Medicated                           | 10.16    | 16.00                    | 17.00 |
| 1134        | Pel-22                                      | 9.91     | 22.00                    | 24.00 |
| 0412        | Pork Builder                                | 11.51    | 14.00                    | 14.75 |
| 1137        | Pork Gainer Medicated                       | 10.31    | 16.00                    | 16.00 |
| 0655        | Porkmix                                     | 9.00     | 40.00                    | 41.13 |
| 1131        | Pork Primer Medicated                       | 9.59     | 18.00                    | 18.75 |
| 1283        | Protek F Medicated                          | 10.19    | 16.00                    | 16.50 |
| 1247        | Rabbettes Medicated                         | 9.96     | 15.00                    | 15.25 |
| 1850        | Roaster Finisher Medicated                  | 10.46    | 16.00                    | 17.50 |
| 0843        | Supmix                                      | 9.30     | 36.00                    | 37.75 |
| 0096        | Sweepstakes                                 | 12.71    | 16.00                    | 17.25 |
| 0411        | Tastibulk                                   | 11.91    | 9.50                     | 11.00 |
| 0095        | Turkey Breeder                              | 11.50    | 16.00                    | 16.50 |
| 0654        | Turkey Finisher (Pellets)                   | 10.36    | 16.00                    | 18.00 |
| 0345        | Turkey Grower (Pellets)                     | 10.16    | 20.00                    | 21.50 |
| 1571        | Turkey Grower-C Medicated                   | 10.94    | 20.00                    | 20.75 |
|             | ELMORE MILLING CO., INC.,<br>Oneonta, N. Y. |          |                          |       |
| 0399        | Elmore Bulky Base                           | 11.79    | 10.00                    | 12.00 |
| 0933        | Elmore Calf Grain Ration                    | 11.67    | 13.00                    | 14.50 |
| 1114        | Elmore Chixsaver Medicated (1S)             | 10.51    | 20.00                    | 19.25 |
| 1009        | Elmore Complete Calf Milk<br>Replacer       | 8.91     | 25.00                    | 26.00 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat                      |       | Fiber                    |       | Medicants                                                                                        |
|--------------------------|-------|--------------------------|-------|--------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                  |
| 3.00                     | 4.35  | 8.00                     | 6.88  |                                                                                                  |
| 3.00                     | 3.65  | 8.50                     | 6.37  |                                                                                                  |
| 5.00                     | 5.00  | 1.50                     | 0.58  |                                                                                                  |
| 4.00                     | 3.89  | 4.00                     | 2.99  | Amprolium: Guar., 0.004%;<br>found, 0.0047%.                                                     |
| 3.50                     | 4.01  | 4.50                     | 3.28  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0082%.                                               |
| 2.50                     | 3.95  | 4.50                     | 4.38  | Arsanilic acid: Guar.,<br>0.0132%; found, 0.0115%.                                               |
| 3.00                     | 3.89  | 3.50                     | 2.78  |                                                                                                  |
| 4.50                     | 5.63  | 3.50                     | 2.84  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0092%.                                               |
| 1.50                     | 2.69  | 5.50                     | 4.26  | Hygromycin B.: Guar.,<br>0.006 gm/lb.; not determined.                                           |
| 8.00                     | 9.81  | 2.50                     | 1.81  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0106%.                                               |
| 3.50                     | 3.78  | 4.00                     | 3.79  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0095%.                                               |
| 2.50                     | 3.13  | 15.00                    | 13.52 | Furazolidone: Guar.,<br>0.00275%; found, 0.00275%.                                               |
| 3.50                     | 4.04  | 4.00                     | 2.70  | Furazolidone: Guar.,<br>0.0055%; found, 0.0061%.                                                 |
| 1.50                     | 2.12  | 7.50                     | 7.19  | Amprolium: Guar., 0.0125%;<br>found, 0.0145%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00038%. |
| 3.00                     | 3.54  | 8.50                     | 5.74  |                                                                                                  |
| 2.50                     | 2.86  | 10.50                    | 7.38  |                                                                                                  |
| 3.00                     | 4.24  | 4.00                     | 3.73  |                                                                                                  |
| 3.50                     | 3.83  | 4.00                     | 2.78  |                                                                                                  |
| 3.50                     | 4.32  | 4.50                     | 3.13  |                                                                                                  |
| 3.50                     | 3.75  | 4.50                     | 3.76  | P-Ureidobenzeneearsonic acid:<br>Guar., 0.0375%; found,<br>0.0416%.                              |
| 2.50                     | 3.24  | 14.00                    | 11.06 |                                                                                                  |
| 3.50                     | 3.48  | 8.00                     | 5.90  |                                                                                                  |
| 3.00                     | 3.66  | 5.00                     | 3.67  | Sulfaquinoxaline: Guar.,<br>0.0150%; found, 0.0131%.                                             |
| 4.00                     | 4.98  | 2.00                     | 1.82  |                                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|----------------------------------------------------|----------|--------------------------|--------------|
|             |                                                    |          | Guaranteed not less than | Found        |
| 0941        | Elmore Complete Growing Ration                     | 10.76    | 16.00                    | 19.50        |
| 1115        | Elmore Complete Growing Ration Medicated (1S)      | 11.06    | 16.00                    | 16.25        |
| 0935        | Elmore Complete Laying Mash                        | 10.20    | 16.00                    | 17.50        |
| 0939        | Elmore Complete Market Egg Mash                    | 10.57    | 16.00                    | 17.00        |
| 0934        | Elmore Complete Rabbit Ration                      | 9.76     | 16.00                    | 18.50        |
| 1733        | Elmore Complete Turkey Growing Mash Medicated (1H) | 10.51    | 17.00                    | 18.50        |
| 0936        | Elmore Dry & Freshening Ration                     | 11.32    | 12.00                    | 14.00        |
| 0785        | Elmore Duck Grower Pellets                         | 10.12    | 16.00                    | 17.25        |
| 0937        | Elmore Egg Mash (Pellets)                          | 10.39    | 20.00                    | 20.00        |
| 0786        | Elmore Fitting Ration 14%                          | 10.62    | 14.00                    | 17.00        |
| 0940        | Elmore Flaked Pelleted Calf Starter                | 11.06    | 18.00                    | 22.25        |
| 0787        | Elmore Game Bird Breeder Mash                      | 10.71    | 20.00                    | 19.50        |
| 0998        | Elmore Game Bird Grower                            | 10.37    | 20.00                    | 20.00        |
| 1125        | Elmore Game Bird Grower (1S) Medicated             | 10.25    | 20.00                    | 20.00        |
| 1126        | Elmore Game Bird Starter (1S) Medicated            | 9.96     | 28.00                    | 28.13        |
| 0997        | Elmore Grand Champion                              | 11.27    | 15.00                    | 15.25        |
| 0401        | Elmore Horse Feed                                  | 12.91    | 9.00                     | 9.25         |
| 0398        | Elmore Makem-Grow Little Pig Ration (Pellets)      | 10.09    | 18.00                    | <u>15.25</u> |
| 0403        | Elmore Maximilk Ration 16%                         | 10.02    | 16.00                    | <u>16.75</u> |
| 1284        | Elmore Medicated Mash NF-180                       | 11.24    | 16.00                    | 17.50        |
| 0774        | Elmore Milk Grains "Sixteen"                       | 11.27    | 16.00                    | 17.00        |
| 0927        | Elmore Milk Grains "Twenty"                        | 10.37    | 20.00                    | 21.75        |
| 0926        | Elmore Pacemaker Dairy Ration 16%                  | 10.74    | 16.00                    | 19.00        |
| 0784        | Elmore Pacemaker Dairy Ration 18%                  | 9.90     | 18.00                    | 21.25        |
| 0783        | Elmore Test Ration 16%                             | 10.29    | 16.00                    | 18.50        |
| 0932        | Elmore Test Ration 18%                             | 10.54    | 18.00                    | 18.00        |
| 0938        | Elmore Turkey Finisher (Fattener)                  | 9.70     | 15.00                    | 16.50        |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants | |
|--------------------------|-------------|--------------------------|-------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | | |
| 3.00 | 3.64 | 6.00 | 4.93 | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0138%. | |
| 3.00 | 4.04 | 6.00 | 4.73 | | |
| 3.00 | 3.21 | 6.00 | 4.54 | | |
| 3.00 | 4.64 | 5.00 | 3.65 | | |
| 2.50 | 3.89 | 10.00 | 9.64 | | |
| 3.00 | 3.04 | 6.00 | 3.98 | | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0214%. |
| 3.50 | 3.50 | 8.00 | 6.95 | | |
| 4.00 | 4.83 | 6.00 | 5.25 | | |
| 3.50 | 3.68 | 6.00 | 4.41 | | |
| 3.50 | 4.74 | 8.50 | 6.74 | | |
| 2.50 | 4.79 | 8.00 | 5.64 | | |
| 3.50 | <u>3.20</u> | 6.00 | 4.13 | | |
| 3.00 | 3.54 | 10.00 | 6.05 | | |
| 3.00 | 4.15 | 10.00 | 4.82 | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0155%.
Sulfaquinoxaline: Guar., 0.0175%; found, <u>0.0138%</u> . | |
| 3.00 | 4.14 | 5.00 | <u>6.45</u> | | |
| 3.50 | <u>3.04</u> | 8.00 | 6.60 | | |
| 3.00 | 3.85 | 12.00 | 4.99 | | |
| 3.50 | 3.29 | 8.00 | 4.31 | | |
| 3.50 | 3.73 | 9.00 | 6.80 | | |
| 3.00 | 2.89 | 6.00 | 4.10 | | Furazolidone: Guar., 0.022%; found, <u>0.0123%</u> . |
| 3.50 | 3.96 | 8.00 | 6.41 | | |
| 3.50 | 3.53 | 9.00 | 6.90 | | |
| 3.00 | 3.70 | 10.50 | 7.23 | | |
| 3.00 | 3.59 | 10.00 | 6.43 | | |
| 4.00 | 4.31 | 8.00 | 7.22 | | |
| 4.00 | 4.60 | 8.00 | 7.38 | | |
| 3.00 | 3.59 | 5.00 | 4.17 | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|-----------------------------------------------|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | JOHN W. ESHELMAN & SONS,
Lancaster, Pa. | | | |
| 1554 | Dehulled Solvent Extracted Soybean Meal | 9.91 | 50.00 | 50.00 |
| 1696 | Egg Maker 228 | 9.90 | 16.00 | 18.75 |
| 0686 | Lancaster 16 Dairy Feed 542 | 9.95 | 16.00 | 18.00 |
| 1693 | Lancaster 20 Dairy Feed 541 | 10.24 | 20.00 | 21.50 |
| 0396 | Lancaster Horse Pellets | 9.91 | 11.00 | 11.50 |
| 0397 | Lancaster Scratch Grain 12 | 12.16 | 9.00 | 9.00 |
| 0683 | Pennsy Complete Laying Ration 220 | 10.38 | 16.00 | 16.25 |
| 0877 | Pennsy 16 Dairy Feed 520 | 9.50 | 16.00 | 16.25 |
| 1694 | Red Rose Calf Starter | 10.99 | 18.00 | 19.75 |
| 0892 | Red Rose Chick Grains 18 | 11.82 | 9.00 | 9.50 |
| 0922 | Red Rose Complete Game Bird Grower 417 | 10.36 | 20.00 | 20.75 |
| 0925 | Red Rose Complete Growing Ration 113 | 10.32 | 16.00 | 18.25 |
| 0393 | Red Rose Complete Laying Ration | 10.04 | 16.00 | 17.50 |
| 0924 | Red Rose Complete Turkey Finisher 313 | 9.69 | 16.00 | 19.00 |
| 0395 | Red Rose Complete Turkey Grower 312 (Pellets) | 10.26 | 20.00 | 21.25 |
| 0923 | Red Rose 16 Dairy Feed 519 | 10.19 | 16.00 | 17.50 |
| 0680 | Red Rose 18 Dairy Feed 517 | 10.81 | 18.00 | 19.25 |
| 0921 | Red Rose Duck Grower & Breeder Pelleted 411 | 10.41 | 20.00 | 21.25 |
| 1695 | Red Rose Equinader | 9.77 | 20.00 | 20.25 |
| 0679 | Red Rose Fitting Ration | 11.32 | 12.00 | 13.75 |
| 0687 | Red Rose Goat Ration | 11.46 | 14.00 | 17.00 |
| 0688 | Red Rose Growing Mash | 10.22 | 20.00 | 20.00 |
| 0354 | Red Rose Horse Feed | 11.65 | 9.00 | 9.50 |
| 0228 | Red Rose Intermediate Chick Grains 19 | 12.12 | 9.00 | 9.00 |
| 0684 | Red Rose Laying Mash | 9.14 | 20.00 | 20.50 |
| 1096 | Red Rose Medicated T-C Feed 412 | 9.86 | 22.00 | 22.00 |
| 0871 | Red Rose Milk Replacer | 6.36 | 22.00 | 24.25 |
| 0355 | Red Rose Pigeon Feed | 11.54 | 12.00 | 12.75 |
| 0682 | Red Rose Porkmaker 617 | 10.98 | 14.00 | 16.25 |
| 0893 | Red Rose Rabbit Pellets | 10.02 | 16.00 | 16.50 |
| 0685 | Red Rose Rumenator (Dairy Booster) 538-A | 9.84 | 16.00 | 18.00 |

Indicates deficiencies.

INSPECTION OF 1963

| Guaranteed not less than | Fat
Found | Guaranteed not more than | Fiber
Found | Medicants |
|--------------------------|--------------|--------------------------|----------------|-----------|
| | | | | |
| 4.00 | 3.47 | 6.50 | 6.78 | |
| 2.50 | 2.56 | 13.50 | 14.15 | |
| 2.50 | 2.43 | 13.00 | 12.14 | |
| 2.00 | 3.04 | 18.00 | 17.57 | |
| 2.00 | 3.49 | 4.00 | 2.55 | |
| 3.00 | 3.81 | 7.00 | 6.35 | |
| 2.50 | 2.66 | 15.00 | 14.51 | |
| 4.50 | 4.43 | 8.00 | 5.73 | |
| 2.00 | 2.54 | 3.00 | 1.41 | |
| 4.00 | 4.11 | 5.50 | 4.70 | |
| 4.00 | 4.52 | 6.00 | 4.70 | |
| 4.00 | 4.37 | 5.00 | 5.27 | |
| 4.00 | 5.44 | 5.50 | 4.74 | |
| 4.00 | 4.79 | 5.50 | 5.49 | |
| 3.50 | 3.10 | 9.00 | 7.70 | |
| 3.25 | 4.44 | 9.50 | 7.32 | |
| 4.00 | 4.83 | 6.00 | 5.16 | |
| 1.50 | 2.31 | 9.00 | 8.37 | |
| 3.50 | 3.94 | 8.50 | 7.58 | |
| 3.50 | 3.26 | 8.50 | 6.91 | |
| 4.00 | 4.14 | 7.00 | 5.48 | |
| 3.00 | 3.24 | 8.00 | 3.75 | |
| 2.00 | 3.29 | 3.00 | 1.62 | |
| 4.00 | 4.23 | 5.50 | 4.31 | |
| 4.00 | 4.48 | 5.00 | 4.30 | |
| 1.00 | 1.08 | 1.00 | 0.57 | |
| 3.00 | 3.37 | 4.00 | 3.49 | |
| 3.50 | 3.90 | 7.00 | 6.08 | |
| 2.50 | 4.22 | 15.50 | 12.82 | |
| 5.50 | 5.33 | 7.00 | 6.13 | |

Oxytetracycline hydrochloride: Guar., 0.05 gm/lb.; not determined.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|------------------------------------------------------------|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 0917 | Red Rose Scratch Grains 11 | 12.80 | 9.00 | 9.75 |
| 1692 | Red Rose Starter & Grower | 10.15 | 20.00 | 21.00 |
| 0878 | Red Rose 14 Test-Cow Feed | 10.59 | 14.00 | 15.50 |
| 0681 | Red Rose Turkey Starter 311 | 11.06 | 26.00 | 24.25 |
| 0920 | Red Rose Wild Bird Feed 418 | 10.76 | 10.00 | 10.25 |
| 0918 | S-O-S | 11.00 | 11.00 | 14.50 |
| | EVANS MILLING COMPANY,
INC., Indianapolis, Ind. | | | |
| 0349 | EMCO Hominy Feed | 11.91 | 10.00 | 10.00 |
| | FARM BUREAU ASSOCIATION,
Waltham, Mass. | | | |
| 0647 | Farm Bureau Advancer Dairy
16% Pellets (60) | 10.54 | 16.00 | 16.00 |
| 0650 | Farm Bureau Bran | 10.05 | 15.50 | 16.00 |
| 1843 | Farm Bureau Complete Develop-
er Mash Medicated | 9.50 | 14.00 | 14.25 |
| 1141 | Farm Bureau Complete Layer
Breeder Mash Medicated | 10.34 | 16.00 | 16.00 |
| 0648 | Farm Bureau Dairy 16% (3) | 10.90 | 16.00 | 16.50 |
| 1118 | Farm Bureau Rabbit Food Pellets
Medicated | 9.56 | 18.00 | 18.50 |
| 0649 | Farm Bureau Rabbit Food Pellets | 10.25 | 18.00 | 18.00 |
| | FARMERS FEED CO.,
Brooklyn, N. Y. | | | |
| 0419 | "Bull Brand" Brewer's Dried
Grains | 8.26 | 26.00 | 29.50 |
| | FLORIDA CITRUS CANNERS
COOPERATIVE, Lake Wales,
Fla. | | | |
| 0421 | Lake Wales Brand Dried Citrus
Pulp | 9.40 | 6.00 | 7.00 |
| | GENERAL FOODS CORP.,
Kankakee, Ill. | | | |
| 1659 | Burt's Hominy Feed | 10.47 | 9.00 | 11.25 |

~~~~~ Indicates deficiencies.

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| Fat                      |       | Fiber                    |       | Medicants                                            |
|--------------------------|-------|--------------------------|-------|------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                      |
| 2.00                     | 2.33  | 4.00                     | 1.91  |                                                      |
| 4.00                     | 3.99  | 6.00                     | 5.74  |                                                      |
| 4.00                     | 4.09  | 7.50                     | 6.33  |                                                      |
| 5.00                     | 5.83  | 5.00                     | 4.58  |                                                      |
| 4.00                     | 6.08  | 7.50                     | 7.52  |                                                      |
| 2.00                     | 2.40  | 16.00                    | 15.08 |                                                      |
| 5.00                     | 4.79  | 7.00                     | 3.26  |                                                      |
| 3.50                     | 4.10  | 8.00                     | 6.20  |                                                      |
| 4.10                     | 5.43  | 9.90                     | 10.12 |                                                      |
| 3.00                     | 3.44  | 8.00                     | 6.64  | Amprolium: Guar., 0.005%;<br>found, 0.0053%.         |
| 4.00                     | 4.39  | 4.50                     | 4.07  | Arsanilic Acid: Guar., 0.010%;<br>found, 0.0097%.    |
| 3.50                     | 3.53  | 8.00                     | 6.81  |                                                      |
| 2.50                     | 3.33  | 18.00                    | 11.11 | Sulfaquinoxaline: Guar.,<br>0.0150%; found, 0.0128%. |
| 2.50                     | 4.20  | 18.00                    | 17.02 |                                                      |
| 6.00                     | 7.03  | 17.00                    | 12.67 |                                                      |
| 2.00                     | 2.69  | 16.00                    | 12.17 |                                                      |
| 5.00                     | 5.64  | 6.00                     | 4.45  |                                                      |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                  | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                         |          | Guaranteed not less than | Found |
|             | GENERAL MILLS, INC.,<br>Minneapolis, Minn.                              |          |                          |       |
| 0885        | General Mills, Inc., Adrian<br>Wheat Red Dog                            | 10.79    | 16.00                    | 18.00 |
| 0210        | General Mills, Inc., Wheat Bran<br>with Ground Wheat Screenings         | 11.49    | 15.00                    | 15.75 |
| 0646        | General Mills, Inc., Wheat<br>Middlings with Ground Wheat<br>Screenings | 11.35    | 15.00                    | 16.75 |
| 0359        | Purity Oat Mill By-Product                                              | 9.76     | 3.00                     | 2.50  |
|             | GLOUCESTER BY-PRODUCTS,<br>INC., Gloucester, Mass.                      |          |                          |       |
| 0623        | Globpro Brand 60% Protein Fish<br>Meal                                  | 6.59     | 60.00                    | 74.69 |
|             | D. H. GRANDIN MILLING CO.,<br>Jamestown, N. Y.                          |          |                          |       |
| 0220        | Berlin Dairy Mix 16%                                                    | 13.36    | 16.00                    | 16.50 |
| 0217        | Grandins 14 Fit-Fresh Produce                                           | 13.26    | 14.00                    | 17.25 |
| 8672        | Grandins 16 Milk Producer                                               | 7.44     | 16.00                    | 18.50 |
| 0219        | Grandins Special Formula Saddle<br>Mate Horse Feed                      | 14.11    | 10.00                    | 16.50 |
| 0218        | Grandins Summit Test Ration                                             | 13.84    | 16.00                    | 16.75 |
|             | THE GREAT ATLANTIC &<br>PACIFIC TEA CO., INC.,<br>Minneapolis, Minn.    |          |                          |       |
| 0942        | Daily Egg Laying Mash                                                   | 9.53     | 20.00                    | 20.00 |
|             | GREAT STAR FLOUR MILLS,<br>LTD., St. Marys, Ontario,<br>Canada          |          |                          |       |
| 0451        | Great Star Bran                                                         | 12.85    | 13.00                    | 17.00 |
| 0450        | Great Star Shorts                                                       | 13.64    | 14.00                    | 16.75 |
|             | HAFFENREFFER & CO., INC.,<br>Boston 30, Mass.                           |          |                          |       |
| 0103        | Haffenreffer Brewers' Dried<br>Yeast                                    | 9.71     | 40.00                    | 51.25 |

Indicates deficiencies.

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| Guaranteed not less than | Fat<br>Found | Guaranteed not more than | Fiber<br>Found | Medicants |
|--------------------------|--------------|--------------------------|----------------|-----------|
|                          |              |                          |                |           |
| 3.00                     | 4.21         | 12.00                    | 9.33           |           |
| 3.50                     | 4.27         | 9.50                     | 7.33           |           |
| 1.00                     | 1.22         | 32.00                    | 31.01          |           |
|                          |              |                          |                |           |
| 8.00                     | 9.10         | 1.00                     | 0.27           |           |
|                          |              |                          |                |           |
| 3.50                     | 3.92         | 9.00                     | 7.83           |           |
| 3.50                     | 3.07         | 8.00                     | 7.26           |           |
| 3.50                     | 2.33         | 9.00                     | 8.45           |           |
|                          |              |                          |                |           |
| 3.00                     | 3.54         | 9.00                     | 7.34           |           |
| 3.50                     | 4.72         | 8.00                     | 7.21           |           |
|                          |              |                          |                |           |
| 3.00                     | 3.95         | 7.50                     | 7.08           |           |
|                          |              |                          |                |           |
| 3.50                     | 4.57         | 11.00                    | 9.45           |           |
| 5.00                     | 5.04         | 8.00                     | 8.67           |           |
|                          |              |                          |                |           |
| 0.50                     | 1.14         | 5.50                     | 4.21           |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                      | Moisture | Protein (N x 6.25)       |              |
|-------------|---------------------------------------------|----------|--------------------------|--------------|
|             |                                             |          | Guaranteed not less than | Found        |
|             | HALES & HUNTER CO.,<br>Chicago, Ill.        |          |                          |              |
| 0374        | Pioneer Calf Starter                        | 11.74    | 18.00                    | 18.00        |
| 0372        | Pioneer Dry & Freshening                    | 10.88    | 12.00                    | 13.50        |
| 0335        | Pioneer 14 High Energy Dairy                | 11.50    | 14.00                    | 15.25        |
| 1246        | Pioneer Hog Developer Medicated Pellets     | 11.16    | 14.00                    | <u>13.00</u> |
| 0333        | Pioneer Hog Finisher                        | 10.35    | 12.00                    | 15.25        |
| 1546        | Pioneer Horse Feed                          | 11.00    | 12.00                    | 13.75        |
| 0899        | Pioneer Milker 16 (25700CL)                 | 10.73    | 16.00                    | 17.25        |
| 0391        | Pioneer 16 Milker Pellets (25600)           | 10.35    | 16.00                    | 16.00        |
| 0897        | Pioneer Pasturmix 12 (23600)                | 10.66    | 12.00                    | 13.00        |
| 0334        | Pioneer 16 Pelleted Flaked Dairy            | 11.94    | 16.00                    | 14.50        |
| 1248        | Pioneer Rabbit Pellets Medicated            | 9.79     | 16.00                    | <u>16.50</u> |
| 0979        | Pioneer Sup-Pel Dairy Supplement            | 9.44     | 18.00                    | 18.00        |
| 1086        | Pioneer Vig-R-Calf Medicated                | 4.36     | 21.00                    | 21.75        |
| 0336        | Pioneerway Horse Feed                       | 11.86    | 12.00                    | 12.25        |
| 0900        | Red Comb Broiler Finisher (01200)           | 10.41    | 21.00                    | 22.75        |
| 1849        | Red Comb Broiler Finisher (01206) Medicated | 10.11    | 21.00                    | 22.50        |
| 1848        | Red Comb Broiler Starter 01106 Medicated    | 11.22    | 23.00                    | 23.50        |
| 1287        | Red Comb Chick Starter Medicated 03196      | 10.89    | 20.00                    | 21.50        |
| 1548        | Red Comb Complete Grower                    | 10.65    | 15.00                    | 15.75        |
| 1289        | Red Comb Complete Grower Medicated 03296    | 11.31    | 15.00                    | 16.00        |
| 1133        | Red Comb Complete Layer 15 Medicated 05100  | 9.84     | 15.00                    | 15.50        |
| 1129        | Red Comb Complete Layer 16 Medicated        | 10.51    | 16.00                    | 17.25        |
| 1132        | Red Comb Egg Mash - CL Medicated Pellets    | 8.98     | 22.00                    | 22.00        |
| 1288        | Red Comb Growing Mash Medicated 03796       | 10.38    | 18.00                    | 18.00        |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|----------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 3.14 | 7.00 | 5.26 | |
| 2.50 | 3.84 | 8.00 | 6.79 | |
| 3.00 | 3.54 | 8.00 | 6.22 | |
| 3.00 | 3.35 | 4.50 | 2.57 | Arsanilic Acid: Guar., 0.008%; found, <u>0.00%</u> . |
| 3.00 | 4.99 | 4.00 | 3.05 | |
| 2.50 | 3.07 | 8.00 | 7.47 | |
| 2.50 | 3.06 | 10.00 | 8.63 | |
| 2.50 | 3.37 | 10.00 | 9.66 | |
| 2.50 | 2.53 | 15.00 | 11.81 | |
| 3.00 | 3.69 | 7.00 | 5.72 | |
| 2.00 | 3.04 | 15.00 | 11.59 | Furazolidone: Guar., 0.0055%; found, 0.0050%. |
| 3.00 | 3.09 | 8.00 | 6.71 | |
| 8.50 | 12.21 | 0.50 | 0.58 | Chlortetracycline hydrochloride: Guar., 0.05 gm/lb.; not determined. |
| 2.50 | 3.94 | 8.00 | 7.27 | |
| 6.00 | 6.16 | 3.50 | 3.30 | |
| 6.00 | 6.08 | 3.50 | 3.27 | Amprolium: Guar., 0.0125%; found, 0.0110%. |
| 5.00 | 5.03 | 3.50 | 3.91 | Amprolium: Guar., 0.0125%; found, 0.0126%. |
| 3.50 | <u>3.18</u> | 6.00 | 5.11 | Zoalene: Guar., 0.0083%; found, <u>0.0114%</u> . |
| 3.00 | 4.08 | 7.00 | 4.94 | |
| 3.00 | 3.79 | 7.00 | 4.92 | Zoalene: Guar., 0.0083%; found, 0.0073%. |
| 3.50 | 4.22 | 5.50 | 3.12 | Arsanilic acid: Guar., 0.010%; found, 0.0098%. |
| 3.50 | 4.23 | 5.50 | 3.75 | Arsanilic acid: Guar., 0.01%; found, 0.0098%. |
| 3.50 | 5.24 | 6.50 | 4.28 | Arsanilic acid: Guar., 0.02%; found, 0.0177%. |
| 3.50 | 3.85 | 8.00 | 5.77 | Zoalene: Guar., 0.0166%; found, <u>0.0130%</u> . |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|-------------------------------------------------------------|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1547 | Red Comb Scratch Feed | 11.91 | 9.00 | 10.50 |
| 0898 | Red Comb Turkey Finisher 14 | 12.23 | 14.00 | 15.25 |
| 0392 | Red Comb Turkey Finisher 17 | 10.45 | 17.00 | 17.25 |
| 0373 | Red Combway Scratch Feed | 11.36 | 9.00 | 10.50 |
| 0371 | Red Comb Wheat Bran | 11.15 | 15.00 | 15.00 |
| | HAYWARD, INC.,
Oak Harbor, Ohio | | | |
| 0468 | Hayward's H Dehydrated Alfalfa Meal | 8.29 | 17.00 | 18.50 |
| | HELENA COTTON OIL CO., INC.
Helena, Ark. | | | |
| 0754 | Helena Brand Solvent Extracted 41.0 Protein Cottonseed Meal | 8.99 | 41.00 | 43.75 |
| | HI-ACRES CONCENTRATE,
INC., Orlando, Fla. | | | |
| 1697 | Hi-Acres All Sweet Dried Citrus Pulp | 9.95 | 6.00 | 6.50 |
| | H. P. HOOD & SONS, INC.,
Dunedin, Fla. | | | |
| 0667 | Hood Citrus Pulp | 10.30 | 6.00 | 6.75 |
| 0797 | Hood Milk Replacer | 7.44 | 28.00 | 28.00 |
| 0964 | Powdered Skim Milk | 3.92 | 32.00 | 34.75 |
| | E. C. & W. L. HOPKINS, INC.,
Greenfield, N. H. | | | |
| 0479 | P & Q (Price) (Quality) 16% Dairy Feed | 10.19 | 16.00 | 16.25 |
| | THE HUBINGER CO., Keokuk,
Iowa | | | |
| 1658 | Ke OK uk Brand 21% Protein Corn Gluten Feed | 10.12 | 21.00 | 27.00 |
| | ILLINOIS CEREAL MILLS, INC.,
Paris, Ill. | | | |
| 0782 | Hominy Feed | 10.00 | 10.00 | 10.50 |
| 0859 | Hominy Feed | 10.32 | 10.00 | 11.25 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat                      |       | Fiber                    |       | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |           |
| 2.00                     | 3.50  | 5.00                     | 4.66  |           |
| 3.50                     | 3.63  | 4.50                     | 2.42  |           |
| 3.50                     | 3.50  | 5.00                     | 4.86  |           |
| 2.00                     | 3.49  | 5.00                     | 6.35  |           |
| 3.50                     | 3.95  | 10.00                    | 9.70  |           |
| 1.75                     | 3.33  | 27.00                    | 20.19 |           |
| 2.00                     | 1.86  | 14.00                    | 10.78 |           |
| 2.50                     | 3.27  | 12.00                    | 12.11 |           |
| 2.75                     | 2.80  | 15.00                    | 10.08 |           |
| 3.50                     | 3.59  | 1.50                     | 1.46  |           |
| 0.50                     | 0.54  | ....                     | ....  |           |
| 4.00                     | 4.69  | 6.50                     | 5.93  |           |
| 1.00                     | 1.18  | 10.00                    | 6.99  |           |
| 5.00                     | 6.29  | 6.00                     | 4.88  |           |
| 5.00                     | 6.73  | 6.00                     | 4.87  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No.  | Manufacturer and brand                                                     | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|--------------|----------------------------------------------------------------------------|---------------|-------------------------------------|-------|
|              |                                                                            |               | Guaran-<br>teed not<br>less<br>than | Found |
| 0916<br>1650 | INTERNATIONAL MILLING CO.,<br>Minneapolis 2, Minn.                         | 10.86         | 13.50                               | 15.75 |
|              | Blackhawk Wheat Bran with<br>Ground Mixed Screenings                       |               |                                     |       |
|              | Blackhawk Wheat Middlings with<br>Ground Mixed Screenings                  | 10.91         | 14.00                               | 17.00 |
| 0091         | HERMAN ISACS, INC.,<br>Bridgeport, Conn.                                   | 6.75          | 50.00                               | 51.25 |
|              | Hi Test Meat & Bone Meal                                                   |               |                                     |       |
| 0980         | KEYSTONE DEHYDRATORS,<br>Nazareth, Pa.                                     | 8.50          | 17.00                               | 16.25 |
|              | Keystone Super Green Dehydrated<br>Alfalfa Meal with Ethoxyquin            |               |                                     |       |
| 0384<br>0776 | KRAFT FOODS, Division National<br>Dairy Products Corp.,<br>New York, N. Y. | 9.39          | 26.00                               | 26.50 |
|              | Kaff-A Booster Pellets                                                     |               |                                     |       |
|              | Pace Feed Booster Pellets                                                  | 8.41          | 25.00                               | 25.75 |
| 0670         | KRAUSE MILLING CO.,<br>Milwaukee, Wis.                                     | 10.41         | 10.00                               | 10.75 |
|              | Badger Yellow Hominy Feed                                                  |               |                                     |       |
| 0427         | KUDER PULP SALES CO.,<br>Lake Alfred, Fla.                                 | 8.41          | 6.00                                | 6.75  |
|              | Kuder Dried Citrus Pulp High<br>Sugar                                      |               |                                     |       |
| 0197         | LAUHOFF GRAIN CO., Danville,<br>Ill.                                       | 11.50         | 9.00                                | 10.00 |
|              | Vermilion Hominy Feed                                                      |               |                                     |       |
| 0215         | THE LIBNER GRAIN CO., INC.,<br>Norwalk, Conn.                              | 13.15         | 10.50                               | 11.00 |
|              | Libner's Blue Ribbon Horse &<br>Calf Ration                                |               |                                     |       |

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| Station No.  | Manufacturer and brand                                                     | Fat                                 |       | Fiber                               |       | Medicants |
|--------------|----------------------------------------------------------------------------|-------------------------------------|-------|-------------------------------------|-------|-----------|
|              |                                                                            | Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |           |
| 0916<br>1650 | INTERNATIONAL MILLING CO.,<br>Minneapolis 2, Minn.                         | 2.50                                | 3.49  | 12.00                               | 10.13 |           |
|              | Blackhawk Wheat Bran with<br>Ground Mixed Screenings                       |                                     |       |                                     |       |           |
|              | Blackhawk Wheat Middlings with<br>Ground Mixed Screenings                  | 3.00                                | 3.87  | 9.50                                | 8.40  |           |
| 0091         | HERMAN ISACS, INC.,<br>Bridgeport, Conn.                                   | 2.00                                | 4.75  | 3.00                                | 1.66  |           |
|              | Hi Test Meat & Bone Meal                                                   |                                     |       |                                     |       |           |
| 0980         | KEYSTONE DEHYDRATORS,<br>Nazareth, Pa.                                     | 2.00                                | 3.18  | 27.00                               | 21.21 |           |
|              | Keystone Super Green Dehydrated<br>Alfalfa Meal with Ethoxyquin            |                                     |       |                                     |       |           |
| 0384<br>0776 | KRAFT FOODS, Division National<br>Dairy Products Corp.,<br>New York, N. Y. | 4.50                                | 6.70  | 3.50                                | 2.79  |           |
|              | Kaff-A Booster Pellets                                                     |                                     |       |                                     |       |           |
|              | Pace Feed Booster Pellets                                                  | 5.00                                | 5.99  | 3.50                                | 3.69  |           |
| 0670         | KRAUSE MILLING CO.,<br>Milwaukee, Wis.                                     | 5.00                                | 4.93  | 6.00                                | 4.68  |           |
|              | Badger Yellow Hominy Feed                                                  |                                     |       |                                     |       |           |
| 0427         | KUDER PULP SALES CO.,<br>Lake Alfred, Fla.                                 | 2.50                                | 4.51  | 15.00                               | 10.58 |           |
|              | Kuder Dried Citrus Pulp High<br>Sugar                                      |                                     |       |                                     |       |           |
| 0197         | LAUHOFF GRAIN CO., Danville,<br>Ill.                                       | 5.00                                | 6.89  | 6.00                                | 4.48  |           |
|              | Vermilion Hominy Feed                                                      |                                     |       |                                     |       |           |
| 0215         | THE LIBNER GRAIN CO., INC.,<br>Norwalk, Conn.                              | 3.50                                | 4.39  | 7.00                                | 7.26  |           |
|              | Libner's Blue Ribbon Horse &<br>Calf Ration                                |                                     |       |                                     |       |           |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                           |          | Guaranteed not less than | Found |
|             | MACHNICKI'S GRAIN STORE,<br>Jewett City, Conn.            |          |                          |       |
| 0482        | Machnicki Calf Starter                                    | 12.21    | 15.00                    | 16.75 |
| 0198        | Machnicki Dry & Fresh                                     | 13.11    | 12.00                    | 12.00 |
| 0477        | Machnicki's Hi Energy All-Mash<br>Layer                   | 11.89    | 15.00                    | 15.25 |
| 1854        | Machnicki Prime Finisher Med.                             | 11.00    | 14.00                    | 16.25 |
|             | MARION MILLING CO.,<br>Marion, Ohio                       |          |                          |       |
| 0106        | Cloverleaf Wheat Middlings &<br>Ground Wheat Screenings   | 12.01    | 14.00                    | 16.25 |
|             | MAYFLOWER MILLS,<br>Ft. Wayne, Ind.                       |          |                          |       |
| 0620        | Mayflower Pure Wheat Bran                                 | 11.54    | 14.00                    | 15.50 |
| 0668        | Mayflower Wheat Middlings with<br>Ground Wheat Screenings | 11.87    | 15.00                    | 15.75 |
|             | MAXON MILLS, INC.,<br>Wassaic, N. Y.                      |          |                          |       |
| 1079        | Maxon 16% Test                                            | 12.19    | 16.00                    | 17.00 |
|             | McCABE GRAIN CO., LTD.,<br>Winnipeg, Manitoba, Canada     |          |                          |       |
| 1010        | Ground Mixed Screenings                                   | 9.34     | 11.50                    | 12.75 |
|             | MILK SPECIALTIES, INC.,<br>Dundee, Ill.                   |          |                          |       |
| 0102        | Dari-Dri Veal Formula                                     | 5.71     | 23.00                    | 23.00 |
|             | MINER-HILLARD MILLING CO.,<br>Wilkes-Barre, Pa.           |          |                          |       |
| 0991        | Choice Steam Cooked Hominy<br>Feed                        | 10.51    | 10.00                    | 10.75 |
| 1632        | Choice Steam Cooked Hominy<br>Feed                        | 9.43     | 10.00                    | 10.25 |
|             | MINUTE MAID COMPANY,<br>Leesburg, Fla.                    |          |                          |       |
| 0377        | Golden Isle Brand Citrus Pulp                             | 8.71     | 6.00                     | 6.50  |

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| Guaranteed not less than | Fat<br>Found | Guaranteed not more than | Fiber<br>Found | Medicants                                                                                        |
|--------------------------|--------------|--------------------------|----------------|--------------------------------------------------------------------------------------------------|
|                          |              |                          |                |                                                                                                  |
| 3.00                     | 3.57         | 11.00                    | 3.92           |                                                                                                  |
| 3.50                     | 3.39         | 4.00                     | 3.44           |                                                                                                  |
| 5.00                     | 5.34         | 3.00                     | 2.23           | Amprolium: Guar., 0.0125%;<br>found, 0.0135%. Ethopabate:<br>Guar., 0.0004%; found,<br>0.00039%. |
| 3.00                     | 4.94         | 9.00                     | 6.54           |                                                                                                  |
| 3.40                     | 3.47         | 11.00                    | 9.13           |                                                                                                  |
| 4.00                     | 4.15         | 9.00                     | 6.54           |                                                                                                  |
| 4.00                     | 4.03         | 9.00                     | 6.42           |                                                                                                  |
| 2.50                     | 2.66         | 19.00                    | 18.59          |                                                                                                  |
| 20.00                    | 20.60        | 0.25                     | 0.14           |                                                                                                  |
| 5.00                     | 6.80         | 5.00                     | 3.92           |                                                                                                  |
| 5.00                     | 5.70         | 5.00                     | 3.74           |                                                                                                  |
| 2.70                     | 2.93         | 15.00                    | 11.22          |                                                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                  | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|-------------------------------------------------------------------------|---------------|-------------------------------------|--------------|
|             |                                                                         |               | Guaran-<br>teed not<br>less<br>than | Found        |
|             | GEO. Q. MOON & CO., INC.,<br>Binghamton, N. Y.                          |               |                                     |              |
| 0214        | Moon Complete Laying Mash                                               | 10.79         | 16.00                               | 16.00        |
| 0912        | Moon N. E. Complete Growing<br>Mash                                     | 10.34         | 16.00                               | 17.50        |
| 0906        | Moon N. E. Complete Laying<br>Mash                                      | 10.05         | 16.00                               | 17.25        |
| 0208        | Moon Rabbit Pellets                                                     | 10.56         | 15.00                               | 16.75        |
| 0908        | Moon Scratch Feed                                                       | 11.82         | 9.00                                | 9.25         |
| 0905        | Moon U. S. 20% Dairy Ration                                             | 10.23         | 20.00                               | <u>19.00</u> |
|             | MOWAT, WILSON & CO., INC.,<br>Detroit 35, Mich.                         |               |                                     |              |
| 0867        | Dried Beet Pulp                                                         | 7.14          | 7.00                                | 9.75         |
|             | MT. VERNON MILLING CO.,<br>Mt. Vernon, Ind.                             |               |                                     |              |
| 1076        | "Sunlite" Hominy Feed                                                   | 9.97          | 10.00                               | 10.75        |
|             | NAPPANEE MILLING CO., INC.,<br>Nappanee, Ind.                           |               |                                     |              |
| 0097        | Hominy Feed                                                             | 12.43         | 10.00                               | 11.00        |
|             | NATIONAL ALFALFA DEHY-<br>DRATING & MILLING CO.,<br>Kansas City 11, Mo. |               |                                     |              |
| 1649        | Krumbles                                                                | 6.91          | 13.00                               | 14.50        |
| 0363        | National 20% Broiler-Layer<br>Grade Dehydrated Alfalfa Meal             | 10.13         | 20.00                               | 20.75        |
| 1654        | National 18% Hi-N Dehydrated<br>Alfalfa Meal                            | 8.66          | 18.00                               | 19.75        |
| 0990        | National Pro 17 17% Alfalfa<br>Meal Dehydrated                          | 9.03          | 17.00                               | 17.00        |
|             | NATIONAL BISCUIT CO., Toledo<br>Mill, Toledo, Ohio                      |               |                                     |              |
| 0919        | Pure Wheat Bran                                                         | 11.64         | 13.00                               | 15.50        |
|             | NOPCO CHEMICAL CO.,<br>Newark, N. J.                                    |               |                                     |              |
| 0099        | Nopco-Pak Hi-Lay Premix GGU                                             | 3.59          | 1.00                                | 14.75        |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Station No. | Manufacturer and brand | Fat | | Fiber | | Medicants |
|-------------|-------------------------------------------------------------------------|-------------------------------------|-------|-------------------------------------|--------------|-----------|
| | | Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| | GEO. Q. MOON & CO., INC.,
Binghamton, N. Y. | | | | | |
| 0214 | Moon Complete Laying Mash | 4.50 | 4.54 | 6.50 | 6.57 | |
| 0912 | Moon N. E. Complete Growing
Mash | 3.00 | 3.79 | 9.00 | 7.00 | |
| 0906 | Moon N. E. Complete Laying
Mash | 3.00 | 4.03 | 9.00 | 8.04 | |
| 0208 | Moon Rabbit Pellets | 2.50 | 3.35 | 12.00 | 9.03 | |
| 0908 | Moon Scratch Feed | 2.00 | 3.16 | 5.00 | 2.73 | |
| 0905 | Moon U. S. 20% Dairy Ration | 3.50 | 4.28 | 11.00 | <u>12.28</u> | |
| | MOWAT, WILSON & CO., INC.,
Detroit 35, Mich. | | | | | |
| 0867 | Dried Beet Pulp | 0.30 | 0.58 | 22.50 | 19.62 | |
| | MT. VERNON MILLING CO.,
Mt. Vernon, Ind. | | | | | |
| 1076 | "Sunlite" Hominy Feed | 5.00 | 6.19 | 6.00 | 5.85 | |
| | NAPPANEE MILLING CO., INC.,
Nappanee, Ind. | | | | | |
| 0097 | Hominy Feed | 6.50 | 8.34 | 6.00 | 3.48 | |
| | NATIONAL ALFALFA DEHY-
DRATING & MILLING CO.,
Kansas City 11, Mo. | | | | | |
| 1649 | Krumbles | 1.50 | 2.24 | 33.00 | 30.63 | |
| 0363 | National 20% Broiler-Layer
Grade Dehydrated Alfalfa Meal | 2.50 | 5.14 | 20.00 | <u>23.73</u> | |
| 1654 | National 18% Hi-N Dehydrated
Alfalfa Meal | 2.00 | 3.08 | 23.00 | 20.81 | |
| 0990 | National Pro 17 17% Alfalfa
Meal Dehydrated | 1.50 | 2.98 | 27.00 | 23.62 | |
| | NATIONAL BISCUIT CO., Toledo
Mill, Toledo, Ohio | | | | | |
| 0919 | Pure Wheat Bran | 3.00 | 3.74 | 10.00 | 9.35 | |
| | NOPCO CHEMICAL CO.,
Newark, N. J. | | | | | |
| 0099 | Nopco-Pak Hi-Lay Premix GGU | 1.00 | 2.40 | 25.00 | 6.90 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|---------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 0100 | Nopco-Pak Super Premix FGY | 7.25 | 1.00 | 15.25 |
| 0098 | Nopdex "3000" | 10.37 | 10.00 | 19.63 |
| | NORTHERN OHIO SUGAR CO.,
Denver 2, Col. | | | |
| 0913 | GW Dried Beet Pulp | 7.49 | 8.00 | 9.75 |
| | OGDEN GRAIN CO., Utica, N. Y. | | | |
| 1648 | Davis Dairy Pellets | 11.92 | 16.00 | 16.25 |
| 0043 | H. K. Davis Dairy Pellets | 12.73 | ..... | 14.75 |
| 0044 | Doc's 16% Dairy Mix | 12.32 | 16.00 | 16.25 |
| 1647 | Doc's 20% Dairy | 11.92 | 20.00 | 21.00 |
| 0040 | Doc's 20% Dairy Mix | 12.54 | 20.00 | 19.50 |
| 0045 | Doc's 20% Dairy Mix | 12.57 | 20.00 | 20.00 |
| 0041 | Doc's 20% Dairy Pellets | 12.26 | 20.00 | 19.50 |
| 0042 | Eastman Dairy Pellets | 12.61 | ..... | 20.00 |
| 0430 | Life Span 15 | 12.21 | 15.00 | 16.25 |
| 1244 | Ogden Complete Layer Medicated | 10.49 | 16.00 | 18.25 |
| 0432 | Ogden Developer | 12.11 | 8.50 | 9.00 |
| 1408 | Ogden Econ-O-Mix 16% Dairy
Feed | 10.90 | 16.00 | 17.50 |
| 1140 | Ogden Hi-Energy Laying Med. | 9.96 | 16.00 | 18.50 |
| 1081 | Ogden 16% Hi-Kal Dairy Pellets | 11.47 | 16.00 | 16.50 |
| 1410 | Ogden 18% Hi-Kal Dairy Pellets | 11.04 | 18.00 | 18.00 |
| 0446 | Ogden Hi-Value Complete Layer | 12.44 | 16.00 | 16.25 |
| 0431 | Ogden Horse Feed | 12.59 | 10.00 | 11.00 |
| 1414 | Ogden Milk Replacement | 4.35 | 21.00 | 21.25 |
| 0445 | Ogden Old Reliable 16 Dairy
Ration | 13.97 | 16.00 | 15.50 |
| 0447 | Ogden Premium Dry &
Freshening Ration | 14.39 | 14.00 | 15.75 |
| 1413 | Ogden Premium 16 Hi Energy
Dairy Pellets | 10.49 | 16.00 | 16.75 |
| 1412 | Ogden Premium 14 Pel-Flake | 11.75 | 14.00 | 16.75 |
| 0444 | Ogden Premium 16 Pel-Flake | 14.36 | 16.00 | 16.00 |
| 1080 | Ogden Premium Test Cow 16 | 11.28 | 16.00 | 17.50 |
| 0644 | Ogden Premium Test Cow 18 | 11.50 | 18.00 | 18.75 |
| 0642 | Ogden Rabbit Pellets | 10.16 | 18.00 | 18.25 |
| 1407 | Ogden Reliable 15 Pel-Flake | 11.78 | 15.00 | 16.50 |
| 1409 | Ogden RS 10 | 11.27 | 10.00 | 12.50 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------------|-------------------------------------|--------------|--------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 1.00 | 1.73 | 25.00 | 9.18 | |
| 0.50 | 3.91 | 37.00 | 27.06 | |
| ..... | ..... | 22.50 | <u>25.35</u> | |
| 3.00 | 3.01 | 9.00 | 8.24 | |
| ..... | 2.69 | ..... | 7.69 | |
| ..... | 2.96 | ..... | 8.15 | |
| 3.50 | <u>2.79</u> | 8.00 | 8.41 | |
| 3.50 | <u>2.92</u> | 8.00 | 6.91 | |
| 3.50 | <u>2.88</u> | 8.00 | 7.86 | |
| 3.50 | <u>2.89</u> | 8.00 | 7.24 | |
| ..... | 1.77 | ..... | 7.27 | |
| 3.50 | 3.50 | 8.00 | 7.00 | |
| 3.50 | 3.49 | 3.50 | <u>5.15</u> | Arsanilic Acid: Guar., 0.01%;
found, 0.0088%. |
| 3.00 | 2.90 | 3.50 | 1.52 | |
| 3.00 | 3.63 | 12.00 | 11.75 | |
| 4.50 | 4.79 | 3.50 | <u>4.27</u> | Arsanilic acid: Guar., 0.01%;
found, 0.0097%. |
| 4.00 | <u>3.69</u> | 8.00 | 8.19 | |
| 4.00 | <u>4.26</u> | 8.00 | <u>8.94</u> | |
| 3.00 | 3.00 | 5.50 | <u>5.64</u> | |
| 3.00 | 3.29 | 9.00 | 7.50 | |
| 8.50 | <u>7.74</u> | 0.50 | 0.33 | |
| 3.00 | 3.10 | 9.00 | 8.47 | |
| 3.50 | 3.63 | 8.00 | 8.06 | |
| 3.50 | 3.30 | 6.50 | 6.74 | |
| 4.00 | 4.04 | 8.00 | 6.60 | |
| 4.00 | <u>3.60</u> | 8.00 | 6.49 | |
| 3.50 | 4.00 | 8.00 | 8.22 | |
| 3.50 | 3.53 | 8.00 | 7.81 | |
| 3.00 | 2.83 | 12.00 | 9.67 | |
| 3.50 | 3.38 | 7.00 | 7.74 | |
| 2.00 | 2.76 | 20.00 | 7.56 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|--------------------------------------------------------|----------------------------------------------------------|---------------|-------------------------------------|--------------|
| | | | Guaran-
teed not
less
than | Found |
| 0643 | Ogden Scratch Grains | 12.25 | 9.00 | 9.25 |
| 0645 | Ogden Super Hi Energy | 10.47 | 20.00 | <u>18.50</u> |
| 1411 | Ogden Super Pig Ration | 10.19 | 14.00 | <u>14.25</u> |
| THE OGILVIE FLOUR MILLS
CO., LTD., Montreal, Canada | | | | |
| 0456 | Ogilvie Wheat Bran | 12.62 | 15.00 | 16.75 |
| 1651 | Ogilvie Wheat Shorts | 10.16 | 16.00 | 19.50 |
| PARRISH & HEIMBECKER, LTD.
Toronto, Ontario, Canada | | | | |
| 1418 | "Parrheim" Pure Wheat Bran | 9.71 | 14.00 | 16.75 |
| PASCO PACKING CO., Dade
City, Fla. | | | | |
| 0994 | O-MI-O Citrus Pulp | 9.84 | 6.00 | 6.50 |
| PEAVEY CO., Flour Mills,
Minneapolis 15, Minn. | | | | |
| 0330 | Occident Wheat Middlings with
Ground Wheat Screenings | 10.64 | 16.00 | 18.75 |
| PIERCE GRAIN CORP.,
Buffalo, N. Y. | | | | |
| 0861 | Reliance Coarse Calf Meal | 10.82 | 20.00 | 20.00 |
| 0862 | Reliance Horse Feed Fortified | 11.94 | 11.00 | 12.75 |
| PILLSBURY CANADA, LTD.,
Midland, Ontario, Canada | | | | |
| 1067 | Dandy Wheat Bran | 11.41 | 14.00 | 15.25 |
| THE PILLSBURY CO.,
Minneapolis 2, Minn. | | | | |
| 0666 | Pillsbury's Wheat Germ Meal | 10.76 | 25.00 | 25.00 |
| PITTSBURGH PLATE GLASS
CO., Red Wing, Minn. | | | | |
| 0459 | Red Wing 32% Protein Solvent
Extracted Linseed Meal | 12.71 | 32.00 | 37.50 |

 Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------------|-------------------------------------|-------------|-----------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 3.00 | 3.13 | 6.00 | 3.33 | |
| 4.50 | <u>3.76</u> | 4.00 | 4.90 | |
| 3.50 | <u>3.74</u> | 7.00 | <u>6.20</u> | |
| 3.50 | 5.24 | 11.50 | 11.94 | |
| 5.00 | 4.81 | 8.00 | 8.24 | |
| 3.50 | 4.71 | 11.50 | 11.01 | |
| 3.00 | <u>2.71</u> | 16.00 | 10.51 | |
| 4.00 | 4.30 | 9.50 | 9.76 | |
| 3.00 | 3.71 | 8.00 | 7.00 | |
| 3.00 | 3.89 | 8.00 | 6.71 | |
| 3.50 | 4.63 | 11.50 | 10.44 | |
| 8.00 | <u>7.73</u> | 4.00 | 4.27 | |
| 0.50 | 0.64 | 11.00 | 8.16 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|----------------------------------------------------------------------------------------------------------------|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 0907 | THE QUAKER OATS CO.,
Chicago 54, Ill.
Muffet's Shredded Wheat Feed | 9.06 | 10.00 | 11.25 |
| 0422 | THE QUAKER OATS CO. OF
CANADA, LTD., Peter-
borough, Ontario, Canada
Peterborough Oat Mill By Product | 8.42 | 2.50 | 4.00 |
| 0746 | RALSTON PURINA CO.,
St. Louis, Mo.
Northeastern Scratch Feed 6735 | 12.29 | 9.00 | 10.00 |
| 0952 | 44% Protein Solvent Extracted
Soybean Meal | 10.58 | 44.00 | 46.75 |
| 0736 | Purina B & M Cow Chow 1432 | 11.91 | 16.00 | 17.00 |
| 0955 | Purina Breeder Eggena NE 6441 | 11.76 | 16.00 | 16.75 |
| 0735 | Purina Broiler Chow Finisher
No. 2 7342 | 10.15 | 18.00 | 19.00 |
| 1845 | Purina Broiler Chow Finisher
No. 1 MP Medicated 7207 | 10.29 | 20.00 | 22.25 |
| 1734 | Purina Broiler Chow MP Medi-
cated 7105 | 10.31 | 20.00 | 22.50 |
| 1851 | Purina Broiler Chow Starter MP
Medicated 7009 | 9.17 | 23.00 | 25.50 |
| 0882 | Purina Bulky Las 1960 | 10.85 | 10.00 | 10.75 |
| 0954 | Purina Calf Startena (Coarse) | 12.00 | 19.50 | 19.75 |
| 0659 | Purina Calf Startena (Pellets)
1014 | 9.79 | 19.50 | 20.00 |
| 0661 | Purina Chick Chow (Coarse) 6715 | 13.17 | 9.00 | 9.00 |
| 0755 | Purina Chick Chow (Fine) | 13.01 | 9.00 | 9.25 |
| 0222 | Purina Chick Growena 6101 | 10.46 | 17.00 | 17.00 |
| 1563 | Purina Chick Growena ZO
Medicated 6109 | 9.96 | 17.00 | 17.50 |
| 0753 | Purina Chick Startena 6001 | 9.61 | 18.00 | 22.50 |
| 1066 | Purina Complete Sow Chow
(Pellets) 2301 | 11.51 | 14.00 | 15.00 |
| 1017 | Purina Cow Chow D 16% (Pellets)
1420 | 10.67 | 16.00 | 16.50 |
| 0957 | Purina Cow Chow D (B) 16% 1420 | 9.91 | 16.00 | 16.25 |

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|-----------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 1.50 | 1.69 | 3.00 | 2.17 | |
| 1.00 | 1.79 | 32.00 | 25.39 | |
| 2.00 | 3.09 | 5.00 | 3.23 | |
| 0.50 | 1.18 | 7.00 | 6.97 | |
| 2.50 | 2.73 | 10.00 | 6.06 | |
| 3.00 | 5.49 | 4.50 | 2.73 | |
| 5.00 | 7.44 | 4.50 | 2.34 | |
| 4.50 | 4.79 | 4.50 | 2.79 | Amprolium: Guar., 0.0125%;
found, 0.0120%. |
| 3.00 | 4.19 | 5.00 | 2.97 | Amprolium: Guar., 0.0125%;
found, 0.0120%. |
| 4.50 | 6.94 | 4.50 | 2.62 | Amprolium: Guar., 0.0125%;
found, 0.0115%. |
| 1.00 | 1.77 | 15.00 | 12.57 | |
| 2.50 | 3.29 | 8.00 | 5.71 | |
| 5.00 | 6.53 | 11.00 | 8.67 | |
| 2.00 | 2.73 | 4.00 | 1.46 | |
| 2.00 | 2.66 | 4.00 | 1.41 | |
| 3.00 | 3.95 | 7.00 | 4.99 | |
| 3.00 | 3.90 | 7.00 | 7.32 | Zoalene: Guar., 0.0083%;
found, 0.0078%. |
| 3.00 | 4.73 | 6.00 | 4.57 | |
| 2.50 | 3.88 | 6.00 | 4.00 | |
| 2.50 | 3.98 | 6.00 | 5.47 | |
| 2.50 | 4.35 | 6.00 | 5.45 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|------------------------------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 1020 | Purina Cow Chow D (B) 20%
Pellets 1424 | 10.10 | 20.00 | 21.50 |
| 0879 | Purina Cow Chow D (U) 16% 1421 | 10.21 | 16.00 | 16.25 |
| 1015 | Purina D & F Chow 1120 | 10.89 | 12.50 | 13.88 |
| 8675 | Purina D & F Chow 1120 | 7.34 | 12.50 | 12.50 |
| 0739 | Purina D & F Chow Coarse 1101 | 12.29 | 12.50 | 13.25 |
| 0758 | Purina Dairy Chow L 14% 1468 | 10.75 | 14.00 | 14.75 |
| 0881 | Purina Dairy Chow L 16%
Pellets 1472 | 9.56 | 16.00 | 17.00 |
| 1726 | Purina .0023% Dienestrol Diace-
tate Mixture in Purina Roaster
Chow NC | 10.15 | 15.00 | 18.50 |
| 0738 | Purina Duck Growena 8815 | 10.74 | 16.00 | 17.50 |
| 0757 | Purina Egg Chow T 6615 | 10.57 | 20.00 | 23.00 |
| 0343 | Purina Eggena NE 6543 | 11.11 | 16.00 | 16.00 |
| 0204 | Purina Game Bird F & M Chow
5431 | 11.60 | 19.00 | 19.00 |
| 1123 | Purina Game Bird Startena SQ
Medicated 5420 | 9.70 | 30.00 | 30.50 |
| 0946 | Purina Goat Chow Coarse 5501 | 11.57 | 16.00 | 17.25 |
| 0956 | Purina Hen Chow D 6765 | 12.97 | 9.00 | 9.25 |
| 1568 | Purina Hog Finisher No. 1
Medicated 2210 | 12.21 | 14.00 | 14.75 |
| 1023 | Purina Hog Finisher No. 2
Pellets 2240 | 11.06 | 12.00 | 12.50 |
| 0344 | Purina Horse Chow Checkers 3275 | 9.79 | 12.50 | 14.50 |
| 1072 | Purina Layena 6501 | 10.41 | 16.00 | 16.25 |
| 1280 | Purina Medicated Chek-R-Aid
8910 | 11.66 | 20.00 | 20.25 |
| 0658 | Purina Milk Chow D 16%
Coarse 1446 | 11.11 | 16.00 | 17.50 |
| 1016 | Purina Milk Chow D 16% Pellets
1433 | 10.59 | 16.00 | 18.00 |
| 0880 | Purina Milk Chow D (U) 16%
Coarse 1434 | 10.38 | 16.00 | 16.75 |
| 1019 | Purina Milk Chow D (U) 16%
Pellets 1433 | 11.90 | 16.00 | 17.00 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 2.50 | 4.00 | 6.00 | 5.67 | |
| 2.50 | 3.56 | 6.00 | 6.09 | |
| 2.50 | 3.43 | 11.00 | 8.16 | |
| 2.50 | 2.83 | 11.00 | 11.89 | |
| 2.50 | 2.99 | 11.00 | 7.23 | |
| 2.50 | 2.50 | 10.00 | 8.58 | |
| 2.50 | 3.29 | 12.00 | 10.70 | |
| 4.00 | 4.14 | 4.50 | 2.67 | Dienestrol Diacetate: Guar.,
0.0023%; not determined.
Nicarbazin: Guar., 0.0125%;
found, 0.0134%. |
| 3.00 | 3.39 | 5.00 | 3.70 | |
| 3.00 | 3.04 | 7.00 | 4.17 | |
| 3.00 | 4.69 | 4.50 | 3.16 | |
| 2.00 | 3.84 | 12.00 | 5.61 | |
| 2.50 | 2.94 | 6.50 | 5.11 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0175%. |
| 3.00 | 3.45 | 9.00 | 6.77 | |
| 2.00 | 2.23 | 5.00 | 1.95 | |
| 2.50 | 2.79 | 7.00 | 2.92 | 3-Nitro-4-hydroxyphenylar-
sonic acid: Guar., 0.005%;
found, 0.005%. |
| 2.50 | 3.44 | 7.00 | 3.57 | |
| 1.50 | 2.24 | 25.00 | 20.44 | |
| 3.50 | 4.35 | 4.50 | 2.60 | |
| 4.50 | 4.65 | 4.50 | 3.92 | Furazolidone: Guar., 0.011%;
found, 0.0094%. Chlortetra-
cycline hydrochloride: Guar.,
50 gm/ton; not determined.
Oxytetracycline: Guar.
50 gm/ton; not determined. |
| 2.50 | 3.29 | 9.00 | 7.01 | |
| 2.50 | 2.95 | 9.00 | 5.88 | |
| 2.50 | 3.31 | 9.00 | 7.43 | |
| 2.50 | 3.76 | 9.00 | 5.74 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|-----------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 1018 | Purina Milk Chow D 20% Pellets
1453 | 10.77 | 20.00 | 21.50 |
| 0663 | Purina Mink Developer Chow | 9.16 | 20.00 | 21.25 |
| 1022 | Purina Nursing Chow | 5.92 | 25.00 | 26.25 |
| 0216 | Purina Omolene 3280 | 13.52 | 10.00 | 10.00 |
| 0756 | Purina Pigeon Chow Checkers | 11.05 | 15.00 | 15.75 |
| 0947 | Purina Poultry Booster Chow | 9.62 | 24.00 | 24.50 |
| 1274 | Purina Poultry Wormer | 9.85 | 17.00 | 17.50 |
| 0660 | Purina Pullet Developer F 6170 | 10.88 | 13.00 | 13.75 |
| 1561 | Purina Pullet Developer F
ZO Medicated 6175 | 10.56 | 13.00 | 14.00 |
| 0662 | Purina Rabbit Chow Checkers D | 8.76 | 15.00 | 16.00 |
| 0901 | Purina Rabbit Chow Checkers
20% 5325 | 9.16 | 20.00 | 22.50 |
| 1021 | Purina Rabbit Chow Checkers
(D) WO 5320 | 8.66 | 15.00 | 17.00 |
| 1281 | Purina Rabbit Chow Checkers
FZ SQ Medicated 5310 | 9.47 | 15.00 | 16.00 |
| 1069 | Purina Range Checkers A 3110 | 11.09 | 20.00 | 20.25 |
| 0734 | Purina Roaster Chow 7346 | 10.67 | 15.00 | 17.50 |
| 1068 | Purina Special Steer Fatena 3901 | 9.73 | 32.00 | 32.00 |
| 0737 | Purina Turkey Finisher No. 1 | 10.37 | 15.00 | 16.50 |
| 0745 | Purina Turkey Finisher No. 2 | 11.07 | 13.50 | 14.50 |
| 1916 | Purina Turkey Finisher No. 1
Pellets HZ Medicated 8233 | 10.61 | 15.00 | 16.25 |
| 0394 | Purina Turkey Growena No. 2 | 10.37 | 20.00 | 20.00 |
| 1732 | Purina Turkey Growena No. 2
HS Medicated Pellets 8137 | 9.84 | 20.00 | 20.50 |
| 1071 | Purina Turkey Startena 8040 | 9.94 | 27.00 | 27.25 |
| 0951 | Wheat Middlings 388 | 11.86 | 15.00 | 17.00 |
| | READING MILLING CO., INC.,
Reading, Pa. | | | |
| 0203 | Faramel Complete Rabbit Pellets | 10.02 | 16.00 | 16.00 |
| 0211 | Faramel Special 20% Laying Mash | 10.64 | 20.00 | 20.75 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 2.50 | 3.64 | 9.00 | 6.88 | |
| 4.00 | 5.23 | 6.00 | 6.40 | |
| 2.50 | 2.69 | 1.50 | 0.89 | |
| 2.00 | 3.79 | 9.00 | 6.65 | |
| 2.50 | 3.11 | 6.00 | 3.41 | |
| 2.50 | 3.99 | 6.50 | 5.02 | |
| 3.00 | 4.48 | 8.00 | 5.08 | Phenothiazine: Guar., 0.29%;
found, 0.150%. Piperazine
monohydrate: Guar., 0.0783%;
not determined. Dibutyl tin
dilaurate: Guar., 0.07%; not
determined. |
| 2.50 | 3.65 | 9.00 | 7.02 | |
| 2.50 | 4.24 | 9.00 | 6.07 | Zoalene: Guar., 0.0083%;
found, 0.0071%. |
| 2.00 | 3.28 | 18.00 | 13.55 | |
| 2.00 | 3.14 | 16.00 | 14.18 | |
| 2.00 | 3.33 | 18.00 | 13.44 | |
| 2.00 | 2.98 | 18.00 | 18.30 | Furazolidone: Guar., 0.0055%;
found, 0.0055%. Sulfaquinox-
aline: Guar., 0.0250%; found,
0.0224%. |
| 1.50 | 4.21 | 10.00 | 9.85 | |
| 4.00 | 4.51 | 4.50 | 2.43 | |
| 1.50 | 2.71 | 12.00 | 10.46 | |
| 3.50 | 3.89 | 4.50 | 3.17 | |
| 3.50 | 3.50 | 4.50 | 3.34 | |
| 3.50 | 3.99 | 4.50 | 3.40 | Hepzide: Guar., 0.030%;
found, 0.0306%. |
| 3.00 | 3.81 | 6.00 | 4.48 | |
| 3.00 | 3.39 | 6.00 | 3.58 | 4-Nitrophenylarsonic acid:
Guar., 0.0250%; found, 0.0217%. |
| 3.00 | 3.12 | 5.50 | 5.07 | |
| 4.00 | 5.09 | 9.50 | 7.99 | |
| 3.00 | 4.65 | 15.00 | 11.55 | |
| 3.00 | 6.09 | 5.00 | 4.73 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| | WOLF SAVITSKY & SONS, INC.,
Shelton, Conn. | | | |
| 0971 | Wolf's Calf Starter | 10.51 | 18.00 | 20.25 |
| 1139 | Wolf's Complete Hi-Eff Egg
Breeder Mash | 10.78 | 16.00 | 16.75 |
| 0455 | Wolf's Complete Hi-Eff Growing
Mash | 12.46 | 16.00 | 17.75 |
| 0206 | Wolf's 14% Dairy Ration | 12.66 | 14.00 | 15.50 |
| 0454 | Wolf's 16% Dairy Ration | 13.00 | 16.00 | 18.00 |
| 0973 | Wolf's 16% Dairy Pellets | 9.50 | 16.00 | 18.75 |
| 0458 | Wolf's Dry & Freshening Ration | 12.30 | 14.00 | 16.50 |
| 0972 | Wolf's Horse Feed | 11.35 | 12.00 | 16.25 |
| 0975 | Wolf's 16% Test Ration | 11.06 | 16.00 | 18.50 |
| 0205 | Wolf's 18% Test Ration | 11.94 | 18.00 | 19.00 |
| | SCHENLEY DISTILLERS, INC.,
New York, N. Y. | | | |
| 0977 | Schenley's Soludri Corn Distillers
Dried Solubles | 10.71 | 24.00 | 27.50 |
| | SEA BOARD SUPPLY CO.,
Philadelphia 46, Pa. | | | |
| 1653 | Dried Tomato Pomace | 5.43 | 20.00 | 20.00 |
| | SEAFORTH MILLING CO.,
Montreal, Canada | | | |
| 1652 | Tip Top Ground Grain Screenings | 10.02 | 11.00 | 12.50 |
| | JOSEPH E. SEAGRAM & SONS,
INC., New York, N. Y. | | | |
| 0361 | Seagram's Corn Distillers Dried
Solubles | 8.69 | 25.00 | 26.50 |
| | SEYMOUR GRAIN & COAL CO.,
Seymour, Conn. | | | |
| 0985 | Miracle 14% Calf Grower | 12.04 | 14.00 | 15.50 |
| 0618 | Miracle Dairy 16% | 11.76 | 16.00 | 16.50 |
| 0982 | Miracle Fitting Ration | 11.00 | 14.00 | 15.25 |
| 0984 | Miracle Hi-Efficiency Grower | 11.66 | 16.00 | 17.00 |
| 0986 | Miracle Hi-Energy All Mash Layer | 11.37 | 16.50 | 17.50 |

Indicates deficiencies.

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 2.75 | 3.79 | 9.00 | 7.21 | |
| 3.00 | 3.06 | 4.00 | 2.78 | Arsanilic Acid: Guar.,
0.0099%; found, 0.0098%. |
| 3.00 | 2.74 | 4.00 | 3.23 | |
| 3.00 | 3.74 | 9.00 | 5.97 | |
| 3.00 | 3.41 | 10.00 | 9.08 | |
| 3.00 | 4.85 | 8.00 | 7.06 | |
| 3.00 | 3.29 | 9.00 | 6.86 | |
| 2.75 | 3.12 | 10.00 | 6.67 | |
| 3.00 | 4.00 | 9.00 | 5.54 | |
| 3.00 | 3.94 | 9.00 | 6.09 | |
| 5.00 | 8.89 | 4.00 | 3.87 | |
| 10.00 | 10.50 | 34.00 | 37.61 | |
| 2.50 | 2.94 | 14.00 | 12.72 | |
| 5.00 | 6.99 | 5.00 | 3.48 | |
| 3.00 | 2.96 | 8.00 | 5.73 | |
| 3.00 | 4.21 | 9.00 | 5.97 | |
| 3.00 | 4.14 | 8.00 | 7.64 | |
| 3.00 | 4.48 | 5.50 | 3.91 | |
| 4.25 | 4.91 | 4.75 | 3.10 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|-----------------------------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 0617 | Miracle Horse Feed with Molasses | 12.11 | 10.00 | 10.00 |
| 0619 | Miracle 20% Laying Mash | 9.86 | 20.00 | 20.50 |
| 0983 | Pasture Mix | 10.87 | 9.00 | 11.25 |
| 0625 | See-More-Milk Dairy Ration | 11.97 | 18.00 | 17.25 |
| 0981 | See-More-Milk Dairy Ration | 11.21 | 20.00 | 20.00 |
| | THE SHERWIN WILLIAMS CO.,
Cleveland, Ohio | | | |
| 0915 | Sherwin-Williams 32% Linseed
Meal (Pellets) | 10.82 | 32.00 | 32.50 |
| | SPENCER KELLOGG, Div. of
Textron, Inc., Buffalo, N. Y. | | | |
| 1553 | Spencer Kellogg's 31% Protein
Old Process Expeller Linseed
Meal | 9.44 | 31.00 | 33.75 |
| | SUNI-CITRUS PRODUCTS CO.,
Haines City, Fla. | | | |
| 1078 | Sweet Suni Citrus Pulp | 10.30 | 6.00 | 6.75 |
| | SUNSHINE BISCUIT, INC.,
Milling Div., Grafton, Ohio | | | |
| 0207 | UMC Wheat Bran-Pure Wheat
Bran | 11.82 | 13.00 | 14.75 |
| | SWIFT & CO., Fostoria, Ohio | | | |
| 0624 | Swift's Cottonseed Meal 41%
Protein-Prime Quality | 9.00 | 41.00 | 41.50 |
| 0202 | Swift's 44% Protein Solvent
Extracted Soybean Meal | 11.38 | 44.00 | 44.75 |
| 1014 | Swift's Super Soy 50% Protein
Solvent Extracted Dehulled
Soybean Meal | 10.59 | 50.00 | 49.25 |
| | T. H. TAYLOR CO., LTD.,
Chatham, Ontario, Canada | | | |
| 0974 | Beaver Wheat Bran | 10.67 | 13.50 | 15.75 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------------|-------------------------------------|-------|-----------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 3.50 | 3.46 | 9.00 | 5.34 | |
| 3.00 | 3.54 | 6.50 | 5.06 | |
| 2.50 | 2.83 | 20.00 | 13.08 | |
| 3.00 | 3.59 | 9.50 | 5.84 | |
| 3.00 | 3.08 | 9.50 | 7.86 | |
| 0.50 | 1.74 | 11.00 | 9.36 | |
| 3.50 | <u>1.64</u> | 11.00 | 9.04 | |
| 3.00 | 4.84 | 15.50 | 14.17 | |
| 3.00 | 3.97 | 11.00 | 9.56 | |
| 3.00 | 3.78 | 13.00 | 12.51 | |
| 0.50 | 1.08 | 7.00 | 7.55 | |
| 0.50 | 1.25 | 3.00 | 3.27 | |
| 3.00 | 3.78 | 11.50 | 10.37 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|-------------------------------------------------------------------------------------------|---------------|-------------------------------------|--------------|
| | | | Guaran-
teed not
less
than | Found |
| 0405 | TROPICANA PRODUCTS, INC.,
Bradenton, Fla.
Tropicana's Sweetest Dried
Citrus Pulp | 10.00 | 6.00 | 6.75 |
| 0995 | ULTRA-LIFE LABORATORIES,
INC., East St. Louis, Ill.
Ultra-Life Beef-Gro | 8.79 | 15.00 | 17.25 |
| 1567 | Ultra-Life Broiler-Gro Medicated | 10.17 | 25.00 | 28.75 |
| 1111 | Ultra-Life Calf Food Pellets Med. | 9.64 | 24.00 | 23.25 |
| 0993 | Ultra-Life High Energy Poultry | 8.36 | 20.00 | 22.75 |
| 0996 | Ultra-Life Livestock | 7.76 | 14.00 | 14.50 |
| 1640 | UNITED CO-OPERATIVE
FARMERS, INC.,
Fitchburg, Mass.
UCF Calf Grower | 11.87 | 20.00 | <u>18.50</u> |
| 0671 | UCF 16% Dairy | 10.50 | 16.00 | 16.75 |
| 1641 | UCF 18% Dairy | 10.71 | 18.00 | 19.25 |
| 0672 | UCF 20% Dairy | 11.34 | 20.00 | 20.00 |
| 0678 | UCF Hi NRG All Mash Grower | 10.92 | 16.00 | 16.00 |
| 0673 | UCF Hi NRG All Mash Layer | 10.81 | 16.00 | 16.50 |
| 1559 | UCF Hi NRG Starter Medicated | 11.46 | 20.00 | 21.00 |
| 1639 | UCF Layer | 10.10 | 20.00 | 20.00 |
| 1092 | UCF Medicated Booster 200 | 10.75 | 16.50 | 18.25 |
| 1275 | UCF Medicated Booster NF 200 | 11.06 | 16.50 | 17.50 |
| 1637 | UCF Milk Replacer | 8.25 | 20.00 | 21.50 |
| 0669 | UCF Pig & Hog Food | 10.85 | 20.00 | 20.25 |
| 0677 | UCF Scratch Feed | 12.12 | 9.00 | 9.25 |
| 0840 | UNITY FEEDS, INC.,
Boston 9, Mass.
Unity Complete Rabbit Pellets | 8.94 | 16.00 | 16.00 |
| 0842 | Unity Dairy Fitting Ration | 10.66 | 14.00 | 14.25 |
| 0805 | Unity Growing & Laying Mash | 10.27 | 20.00 | <u>18.25</u> |
| 0841 | Unity High Energy Breeder Mash | 10.16 | 16.00 | 15.25 |
| 0838 | Unity High Energy Growing Mash | 10.26 | 15.00 | 16.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat                                 |             | Fiber                               |       | Medicants                                                                                                                                                                                                                                                         |
|-------------------------------------|-------------|-------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                                                                                                                                   |
| 2.00                                | 6.73        | 12.00                               | 12.03 | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.40%;<br>found, 0.40%.<br><br>Zoalene: Guar., 0.0083%;<br>found, 0.0089%.<br><br>Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm/lb.; not<br>determined.<br>Furazolidone: Guar., 0.022%;<br>found, 0.0176%. |
| 5.00                                | 7.04        | 7.50                                | 7.12  |                                                                                                                                                                                                                                                                   |
| 5.00                                | 5.54        | 7.00                                | 6.29  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 3.78        | 7.00                                | 6.57  |                                                                                                                                                                                                                                                                   |
| 7.00                                | 9.74        | 6.00                                | 5.93  |                                                                                                                                                                                                                                                                   |
| 2.00                                | 1.93        | 5.50                                | 4.05  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 2.85        | 6.00                                | 2.82  |                                                                                                                                                                                                                                                                   |
| 3.50                                | 4.09        | 8.00                                | 7.03  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 3.29        | 8.00                                | 5.48  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 3.69        | 7.00                                | 6.26  |                                                                                                                                                                                                                                                                   |
| 4.00                                | 4.24        | 4.00                                | 3.34  |                                                                                                                                                                                                                                                                   |
| 4.50                                | 4.56        | 3.50                                | 3.02  |                                                                                                                                                                                                                                                                   |
| 4.00                                | <u>3.36</u> | 4.00                                | 3.82  |                                                                                                                                                                                                                                                                   |
| 4.00                                | <u>3.68</u> | 5.00                                | 3.47  |                                                                                                                                                                                                                                                                   |
| 4.00                                | <u>5.73</u> | 4.50                                | 4.16  |                                                                                                                                                                                                                                                                   |
| 4.00                                | 5.53        | 4.50                                | 3.09  |                                                                                                                                                                                                                                                                   |
| 2.00                                | 2.09        | 2.00                                | 1.74  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 3.48        | 7.00                                | 4.28  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 3.18        | 7.00                                | 3.92  |                                                                                                                                                                                                                                                                   |
| 2.00                                | 3.91        | 16.00                               | 8.88  |                                                                                                                                                                                                                                                                   |
| 3.50                                | 3.89        | 9.00                                | 7.13  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 3.84        | 6.00                                | 4.15  |                                                                                                                                                                                                                                                                   |
| 3.00                                | 4.66        | 4.00                                | 3.22  |                                                                                                                                                                                                                                                                   |
| 3.50                                | 4.03        | 4.00                                | 4.33  |                                                                                                                                                                                                                                                                   |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                            | Moisture | Protein (N x 6.25)       |       |
|-------------|---------------------------------------------------|----------|--------------------------|-------|
|             |                                                   |          | Guaranteed not less than | Found |
| 0804        | Unity High Energy Laying Mash                     | 10.22    | 15.00                    | 15.00 |
| 0803        | Unity Improved Calf Ration                        | 10.18    | 20.00                    | 20.75 |
| 0839        | Unity 16% Milkets                                 | 9.61     | 16.00                    | 17.25 |
| 1646        | Unity Pig & Hog Ration                            | 11.41    | 17.00                    | 17.00 |
| 1572        | Unity Trim Medicated                              | 9.92     | 15.50                    | 15.50 |
|             | UNIVERSAL GRAIN CO. of N. J.,<br>Newark, N. J.    |          |                          |       |
| 1628        | Superior Cow Brand Brewer's<br>Dried Grains       | 6.56     | 26.00                    | 34.25 |
|             | WILLIAM S. WARREN & SON,<br>Eastford, Conn.       |          |                          |       |
| 0853        | Warren's C & C Complete Laying<br>Mash            | 10.12    | 15.00                    | 15.50 |
| 0858        | Warren's Dairy Pellets                            | 10.21    | 16.00                    | 16.00 |
| 1633        | Warren's 16 Dairy Ration                          | 12.37    | 16.00                    | 16.00 |
| 1635        | Warren's 16 Dairy Ration                          | 10.87    | 16.00                    | 16.00 |
| 0849        | Warren's Fitting Ration                           | 10.85    | 14.00                    | 16.75 |
| 0850        | Warren's Fitting Ration                           | 10.61    | 14.00                    | 15.00 |
| 1636        | Warren's Horse Feed                               | 11.74    | 10.00                    | 11.00 |
| 1634        | Warren's Indian 16% Dairy                         | 11.73    | 16.00                    | 16.00 |
| 0860        | Warren's 16% Test Cow Ration                      | 11.50    | 16.00                    | 19.50 |
| 0852        | Warren's 16% Test Ration                          | 11.00    | 16.00                    | 16.50 |
| 0863        | Warren's 20% Test Ration                          | 10.23    | 20.00                    | 21.25 |
|             | H. K. WEBSTER CO.,<br>Lawrence, Mass.             |          |                          |       |
| 1238        | Blue Seal All-Mash Egg Ration<br>Medicated        | 10.46    | 16.00                    | 16.00 |
| 1130        | Blue Seal All-Mash Growing<br>Ration Medicated    | 11.09    | 16.00                    | 16.25 |
| 1286        | Blue Seal All-Mash Growing<br>Ration ZL Medicated | 10.75    | 16.00                    | 16.25 |
| 1560        | Blue Seal C-4 Broiler Medicated                   | 10.56    | 23.00                    | 23.25 |
| 0794        | Blue Seal Calf Starter                            | 10.86    | 19.00                    | 19.00 |
| 1557        | Blue Seal Chick Starter Medicated                 | 10.72    | 20.00                    | 21.00 |
| 0338        | Blue Seal Coarse 16 Dairy Ration                  | 10.88    | 16.00                    | 16.75 |
| 0780        | Blue Seal Coarse 20 Dairy Ration                  | 10.76    | 20.00                    | 20.00 |
| 0781        | Blue Seal Complete Horse Ration                   | 10.23    | 12.50                    | 13.50 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat                      |             | Fiber                    |       | Medicants                                                              |
|--------------------------|-------------|--------------------------|-------|------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                        |
| 4.00                     | 4.09        | 4.00                     | 3.07  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%;<br>found, 0.0042%. |
| 3.50                     | 3.93        | 6.00                     | 5.75  |                                                                        |
| 3.50                     | 4.98        | 9.00                     | 8.91  |                                                                        |
| 3.00                     | 3.73        | 6.00                     | 4.35  |                                                                        |
| 3.00                     | 3.24        | 6.00                     | 4.11  |                                                                        |
| 6.00                     | <u>5.51</u> | 17.00                    | 10.88 |                                                                        |
| 3.00                     | 3.89        | 6.00                     | 6.50  |                                                                        |
| 3.00                     | 4.13        | 9.00                     | 8.12  |                                                                        |
| 3.00                     | 2.73        | 11.00                    | 6.35  |                                                                        |
| 3.00                     | <u>3.13</u> | 11.00                    | 9.49  |                                                                        |
| 3.00                     | 3.71        | 11.00                    | 7.83  |                                                                        |
| 3.00                     | 3.29        | 11.00                    | 8.66  |                                                                        |
| 3.00                     | 3.59        | 6.00                     | 5.17  |                                                                        |
| 3.00                     | 3.00        | 11.00                    | 7.64  |                                                                        |
| 3.25                     | 3.71        | 8.50                     | 8.58  |                                                                        |
| 3.50                     | 3.43        | 10.00                    | 8.51  |                                                                        |
| 3.50                     | 3.49        | 10.00                    | 7.45  |                                                                        |
| 4.00                     | 4.73        | 3.50                     | 3.44  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0088%.                       |
| 4.00                     | 4.66        | 3.50                     | 3.96  | Arsanilic acid: Guar., 0.01%;<br>found, 0.01%.                         |
| 4.00                     | 4.04        | 3.50                     | 3.45  | Zoalene: Guar., 0.0083%;<br>found, 0.0079%.                            |
| 6.50                     | 6.86        | 3.00                     | 3.59  | Zoalene: Guar., 0.0125%;<br>found, 0.0126%.                            |
| 3.00                     | 3.89        | 8.00                     | 7.22  | Zoalene: Guar., 0.0125%;<br>found, 0.0103%.                            |
| 3.50                     | 3.44        | 4.50                     | 4.86  |                                                                        |
| 3.00                     | 4.17        | 8.50                     | 7.85  |                                                                        |
| 3.00                     | 4.50        | 8.00                     | 7.25  |                                                                        |
| 2.50                     | 3.43        | 15.00                    | 13.16 |                                                                        |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                       | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|----------------------------------------------|---------------|-------------------------------------|-------|
|             |                                              |               | Guaran-<br>teed not<br>less<br>than | Found |
| 0865        | Blue Seal 16% Dairy Mix                      | 10.03         | 16.00                               | 16.50 |
| 0766        | Blue Seal Egg Mash                           | 10.39         | 20.00                               | 19.75 |
| 0337        | Blue Seal Fitting Ration                     | 10.86         | 14.00                               | 14.00 |
| 0779        | Blue Seal No. 770 Grower                     | 10.16         | 15.00                               | 15.25 |
| 0357        | Blue Seal Horse Feed                         | 11.76         | 10.00                               | 12.00 |
| 0356        | Blue Seal No. 880 Layer                      | 10.11         | 16.00                               | 16.00 |
| 1250        | Blue Seal Medicated NF Mix                   | 9.65          | 16.00                               | 17.00 |
| 0866        | Blue Seal Milker's 16 Pellets                | 10.43         | 16.00                               | 17.50 |
| 0791        | Blue Seal Milker's 20 Pellets                | 10.02         | 20.00                               | 20.00 |
| 0792        | Blue Seal 16% Nuggets                        | 10.87         | 16.00                               | 15.50 |
| 1239        | Blue Seal Pig Feed Medicated                 | 10.25         | 16.00                               | 16.50 |
| 0869        | Blue Seal Producer's Grow & Lay              | 9.31          | 20.00                               | 20.25 |
| 0773        | Blue Seal Rabbit Pellets                     | 8.77          | 20.00                               | 19.25 |
| 0358        | Blue Seal Standard 16 Dairy<br>Ration        | 11.16         | 16.00                               | 16.00 |
| 0868        | Blue Seal Standard 20 Dairy<br>Ration        | 10.50         | 20.00                               | 21.25 |
| 0873        | Blue Seal Standard 14 Fitting<br>Ration      | 11.31         | 14.00                               | 15.50 |
| 0872        | Blue Seal Succulent Feed &<br>Calving Ration | 10.66         | 13.00                               | 14.50 |
| 0793        | Blue Seal Sweet Pulp                         | 11.07         | 9.00                                | 9.50  |
| 1416        | Blue Seal Test Ration                        | 10.16         | 18.00                               | 18.75 |
| 1570        | Blue Seal Turkey Growing HS<br>Medicated     | 10.34         | 20.00                               | 20.00 |
| 0886        | Blue Seal Turkey Growing Pellets             | 9.83          | 20.00                               | 20.75 |
|             | WEST-NESBITT, INC.,<br>Oneonta, N. Y.        |               |                                     |       |
| 0387        | Cream-Line Dairy-Test Ration                 | 11.10         | 18.00                               | 19.75 |
| 1839        | Pure Feed Broiler Starter Med.               | 10.10         | 22.00                               | 21.25 |
| 1420        | Pure Feed Complete Layer                     | 9.96          | 17.00                               | 17.75 |
| 0385        | Pure Feed Complete Rabbit<br>Pellets         | 10.20         | 16.00                               | 18.00 |
| 1542        | Pure Feed 16% Dairy Pellets                  | 10.51         | 16.00                               | 18.50 |
| 0386        | Pure Feed Egg & Breeder                      | 10.59         | 22.00                               | 22.00 |
| 0388        | Pure Feed Egg Maker                          | 10.54         | 20.00                               | 20.00 |
| 1421        | Pure Feed Grower                             | 10.38         | 18.00                               | 18.25 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat                                 |       | Fiber                               |       | Medicants                                                        |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                  |
| 3.00                                | 3.38  | 12.00                               | 10.46 |                                                                  |
| 3.50                                | 4.09  | 3.50                                | 3.29  |                                                                  |
| 3.00                                | 4.09  | 9.00                                | 8.32  |                                                                  |
| 3.00                                | 3.73  | 5.50                                | 5.04  |                                                                  |
| 3.00                                | 3.90  | 9.00                                | 4.89  |                                                                  |
| 3.50                                | 4.20  | 4.50                                | 4.56  |                                                                  |
| 3.50                                | 3.74  | 4.50                                | 4.60  | Furazolidone: Guar., 0.022%;<br>found, 0.0215%.                  |
| 3.50                                | 4.30  | 8.00                                | 7.34  |                                                                  |
| 3.50                                | 4.23  | 8.00                                | 7.36  |                                                                  |
| 3.00                                | 3.51  | 12.00                               | 12.11 |                                                                  |
| 4.00                                | 4.28  | 6.00                                | 5.76  | Arsanilic acid: Guar., 0.01%;<br>found, 0.0092%.                 |
| 3.50                                | 3.81  | 6.00                                | 5.96  |                                                                  |
| 3.00                                | 4.03  | 12.00                               | 10.88 |                                                                  |
| 3.50                                | 4.11  | 8.50                                | 7.29  |                                                                  |
| 3.00                                | 3.84  | 8.00                                | 7.28  |                                                                  |
| 3.50                                | 3.79  | 9.00                                | 7.87  |                                                                  |
| 2.50                                | 2.94  | 12.00                               | 11.59 |                                                                  |
| 2.00                                | 2.01  | 15.00                               | 14.19 |                                                                  |
| 3.00                                | 4.03  | 8.50                                | 8.23  |                                                                  |
| 4.50                                | 4.73  | 4.00                                | 4.40  | 4-Nitrophenylarsonic acid:<br>Guar., 0.0250%; found,<br>0.0215%. |
| 4.50                                | 4.29  | 4.00                                | 3.74  |                                                                  |
| 3.50                                | 3.64  | 8.00                                | 6.17  |                                                                  |
| 3.50                                | 3.98  | 4.00                                | 2.28  | Amprolium: Guar., 0.0125%;<br>found, 0.0130%.                    |
| 3.00                                | 3.58  | 4.50                                | 3.61  |                                                                  |
| 3.00                                | 4.90  | 14.00                               | 9.52  |                                                                  |
| 3.75                                | 3.48  | 7.00                                | 6.09  |                                                                  |
| 3.00                                | 4.28  | 8.00                                | 4.05  |                                                                  |
| 3.00                                | 4.09  | 6.50                                | 4.58  |                                                                  |
| 3.00                                | 4.15  | 5.00                                | 4.09  |                                                                  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                              | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---------------------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                                     |               | Guaran-<br>teed not<br>less<br>than | Found |
| 1422        | Pure Feed Horse Ration                                              | 11.33         | 9.00                                | 11.50 |
| 1737        | Pure Feed Starter Medicated                                         | 10.74         | 20.00                               | 21.50 |
| 1541        | Pure Feed Sweet "16"                                                | 10.81         | 16.00                               | 17.00 |
| 0390        | Pure Feed Swine Ration                                              | 10.84         | 16.00                               | 16.00 |
| 0389        | Pure Feed Turkey Finisher                                           | 11.56         | 14.00                               | 15.25 |
|             | A. C. WETHERELL, Suffield,<br>Conn.                                 |               |                                     |       |
| 1556        | Special No. 3 Dairy Ration                                          | 10.70         | 16.00                               | 15.25 |
|             | THE GEO. WIEDEMANN BREW-<br>ING CO., Newport, Ky.                   |               |                                     |       |
| 0467        | Brewer's Dried Grains                                               | 7.80          | 24.00                               | 32.50 |
|             | WILKINS-ROGERS MILLING CO.,<br>Washington, D. C.                    |               |                                     |       |
| 0201        | Washington Wheat Flour Middlings                                    | 11.58         | 15.00                               | 16.25 |
|             | WINTER GARDEN CITRUS<br>PRODUCTS COOPERATIVE<br>Winter Garden, Fla. |               |                                     |       |
| 1638        | Wholesun Dried Citrus Pulp                                          | 9.26          | 6.00                                | 6.50  |
|             | WIRTHMORE FEEDS INC.,<br>Waltham, Mass.                             |               |                                     |       |
| 0629        | Apex 16% Dairy Feed 587E                                            | 11.26         | 16.00                               | 17.75 |
| 0691        | New Hope Complete Horse Feed<br>813A                                | 10.67         | 12.50                               | 13.00 |
| 0665        | OPM Scratch 467T                                                    | 12.59         | 9.00                                | 10.00 |
| 1074        | Wirthmore Baby Chick Scratch<br>463A                                | 12.66         | 9.00                                | 10.00 |
| 1117        | Wirthmore Chick Starter 103A<br>Medicated                           | 10.84         | 20.00                               | 22.50 |
| 1917        | Wirthmore Chick Starter 104A                                        | 11.21         | 20.00                               | 20.50 |
| 0690        | Wirthmore Coarse Test Dairy<br>Feed 514A                            | 10.64         | 16.00                               | 17.75 |
| 0351        | Wirthmore Complete Growing<br>Ration 205A                           | 12.00         | 15.00                               | 15.00 |
| 1119        | Wirthmore Complete Growing<br>Ration 206A Medicated                 | 10.71         | 15.00                               | 16.50 |

INSPECTION OF 1963

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                                                                    |
|-------------------------------------|-------|-------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                                                              |
| 3.00                                | 3.24  | 10.00                               | 8.29  | Amprolium: Guar., 0.0125%;<br>found, 0.0115%.                                                                                                                |
| 3.00                                | 3.79  | 5.00                                | 3.30  |                                                                                                                                                              |
| 3.50                                | 3.48  | 9.00                                | 6.98  |                                                                                                                                                              |
| 4.00                                | 4.54  | 8.00                                | 5.47  |                                                                                                                                                              |
| 4.00                                | 4.44  | 5.00                                | 3.91  |                                                                                                                                                              |
| 3.50                                | 3.64  | 9.00                                | 7.29  |                                                                                                                                                              |
| 5.00                                | 6.68  | 15.00                               | 13.05 |                                                                                                                                                              |
| 3.00                                | 5.24  | 6.00                                | 6.04  |                                                                                                                                                              |
| 2.50                                | 3.94  | 16.00                               | 11.87 |                                                                                                                                                              |
| 3.00                                | 3.84  | 9.00                                | 5.75  |                                                                                                                                                              |
| 2.00                                | 2.18  | 12.00                               | 7.26  |                                                                                                                                                              |
| 3.00                                | 3.04  | 5.00                                | 3.79  |                                                                                                                                                              |
| 2.50                                | 3.20  | 4.00                                | 1.61  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0155%.<br>Bithionol: Guar., 0.050%;<br>not determined. Methiotriaz-<br>amine: Guar., 0.01%; not<br>determined. |
| 4.00                                | 4.15  | 4.50                                | 3.68  |                                                                                                                                                              |
| 4.00                                | 4.11  | 4.50                                | 3.72  |                                                                                                                                                              |
| 4.00                                | 4.50  | 8.00                                | 6.27  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0147%.                                                                                                         |
| 3.00                                | 3.60  | 6.00                                | 4.07  |                                                                                                                                                              |
| 3.00                                | 4.15  | 6.00                                | 5.12  |                                                                                                                                                              |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                  | Mois-<br>ture | Protein<br>(N x 6.25)               |       |
|-------------|---------------------------------------------------------|---------------|-------------------------------------|-------|
|             |                                                         |               | Guaran-<br>teed not<br>less<br>than | Found |
| 0424        | Wirthmore Complete Turkey<br>Fattening Ration 361A      | 10.77         | 14.00                               | 15.50 |
| 1735        | Wirthmore Complete Turkey<br>Fattening Ration 362A Med. | 11.31         | 14.00                               | 15.00 |
| 1419        | Wirthmore Complete Turkey<br>Growing Ration 341A        | 10.81         | 18.00                               | 19.50 |
| 1564        | Wirthmore Complete Turkey<br>Growing Ration 342A Med.   | 10.37         | 18.00                               | 19.50 |
| 0630        | Wirthmore 36% Dairy Mixing<br>Feed 564A                 | 9.59          | 36.00                               | 37.50 |
| 0962        | Wirthmore Fodder Greens 581A                            | 11.64         | 9.00                                | 11.50 |
| 0407        | Wirthmore Grow & Egg Mash 245A                          | 10.07         | 20.00                               | 20.75 |
| 1908        | Wirthmore Hi-Cal Broiler<br>Finisher A 142A Medicated   | 10.57         | 22.50                               | 24.00 |
| 1909        | Wirthmore Hi-Cal Broiler-<br>Starter A 123A Medicated   | 10.65         | 24.00                               | 24.75 |
| 0339        | Wirthmore 16 Hi-Cal Pellets<br>Dairy Feed 532A          | 10.96         | 16.00                               | 17.00 |
| 0731        | Wirthmore 18 Hi-Cal Pellets<br>Dairy Feed 533A          | 10.11         | 18.00                               | 18.75 |
| 1907        | Wirthmore Hi-Cal Roaster<br>Finisher A 179A Medicated   | 10.38         | 18.50                               | 20.75 |
| 0340        | Wirthmore Hi-Ener-G 16 220A                             | 10.53         | 16.00                               | 15.00 |
| 1842        | Wirthmore Hi-Ener-G Broiler<br>Ration 140A              | 11.14         | 22.00                               | 22.00 |
| 1128        | Wirthmore Hi-Ener-G 16 Layer<br>Medicated 231A          | 10.50         | 16.00                               | 16.25 |
| 0404        | Wirthmore Hog Grower 722A                               | 12.32         | 15.00                               | 15.00 |
| 0627        | Wirthmore Horse Feed                                    | 12.04         | 10.00                               | 11.50 |
| 1630        | Wirthmore Horse Perkies<br>Pellets 817A                 | 9.34          | 15.00                               | 17.50 |
| 0768        | Wirthmore Meatless Mink Food<br>842A                    | 9.82          | 12.00                               | 14.50 |
| 1918        | Wirthmore Medicated Ketrol 576A                         | 11.12         | 16.00                               | 16.00 |
| 1084        | Wirthmore Medicated Quickies<br>413A                    | 11.13         | 20.00                               | 20.00 |
| 1098        | Wirthmore Medicated Quick Perk<br>412A                  | 10.39         | 20.00                               | 22.00 |
| 1276        | Wirthmore Medicated Treat 414A                          | 12.16         | 16.00                               | 17.25 |

Indicates deficiencies.

INSPECTION OF 1963

| Fat                                 |       | Fiber                               |       | Medicants                                                                   |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                             |
| 3.00                                | 4.77  | 4.00                                | 3.75  |                                                                             |
| 3.00                                | 3.94  | 4.00                                | 3.53  | 4-Nitrophenylarsonic acid:<br>Guar., 0.0250%; found, 0.205%.                |
| 3.00                                | 3.14  | 5.00                                | 3.69  |                                                                             |
| 3.00                                | 3.14  | 5.00                                | 5.33  | 4-Nitrophenylarsonic acid:<br>Guar., 0.250%; found, 0.0195%.                |
| 2.00                                | 2.59  | 10.00                               | 6.88  |                                                                             |
| 2.50                                | 3.24  | 15.00                               | 10.48 |                                                                             |
| 4.00                                | 5.14  | 4.50                                | 3.72  |                                                                             |
| 7.00                                | 7.18  | 3.00                                | 2.80  | Amprolium: Guar., 0.0125%;<br>found, 0.0140%.                               |
| 7.00                                | 6.94  | 3.00                                | 2.82  | Amprolium: Guar., 0.0125%;<br>found, 0.0129%.                               |
| 3.50                                | 4.29  | 8.50                                | 6.32  |                                                                             |
| 4.00                                | 4.15  | 8.00                                | 6.46  |                                                                             |
| 5.00                                | 5.15  | 3.50                                | 3.18  | Amprolium: Guar., 0.0125%;<br>found, 0.0125%.                               |
| 4.00                                | 5.02  | 4.00                                | 3.80  |                                                                             |
| 5.50                                | 6.11  | 3.50                                | 3.21  | Amprolium: Guar., 0.0125%;<br>found, 0.0145%.                               |
| 4.00                                | 4.98  | 3.50                                | 3.32  | Sodium arsanilate: Guar.,<br>0.0088%; found, 0.0105%.                       |
| 4.00                                | 4.15  | 6.00                                | 3.25  |                                                                             |
| 3.00                                | 3.59  | 9.00                                | 5.02  |                                                                             |
| 3.00                                | 3.99  | 7.00                                | 5.75  |                                                                             |
| 5.00                                | 5.59  | 5.00                                | 3.70  |                                                                             |
| 3.00                                | 3.31  | 6.00                                | 5.23  | Sodium propionate: Guar.,<br>12.5%; not determined.                         |
| 4.00                                | 4.58  | 4.00                                | 2.93  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm/lb.; not<br>determined. |
| 5.00                                | 5.94  | 4.00                                | 3.02  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm/lb.; not<br>determined. |
| 4.00                                | 4.11  | 4.00                                | 3.18  | Furazolidone: Guar., 0.022%;<br>found, 0.0211%.                             |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Mois-<br>ture | Protein<br>(N x 6.25)               |              |
|-------------|----------------------------------------------------|---------------|-------------------------------------|--------------|
|             |                                                    |               | Guaran-<br>teed not<br>less<br>than | Found        |
| 1277        | Wirthmore Medicated Turk-E-<br>Perk 314A           | 10.97         | 30.00                               | <u>28.25</u> |
| 0772        | Wirthmore Milk Mizer 571A                          | 5.90          | 25.00                               | 25.75        |
| 1077        | Wirthmore Mink Food 841A                           | 9.12          | 23.00                               | 27.50        |
| 0664        | Wirthmore Original New Hope<br>Horse Feed 815A     | 11.39         | 12.50                               | 14.00        |
| 0651        | Wirthmore Pig & Sow Feed 721A                      | 12.06         | 16.00                               | 16.75        |
| 0732        | Wirthmore 16 Pro-Cal Dairy<br>Feed Pellets 538A    | 10.37         | 16.00                               | 18.25        |
| 1091        | Wirthmore Quickies 423A                            | 12.00         | 16.00                               | 17.25        |
| 0341        | Wirthmore Rabbit Pellets 831A                      | 9.71          | 16.00                               | 16.75        |
| 1249        | Wirthmore Rabbit Pellets 832A<br>Medicated         | 9.73          | 16.00                               | 17.50        |
| 0342        | Wirthmore 14 Record Dairy Feed<br>517A             | 11.01         | 14.00                               | 16.25        |
| 0352        | Wirthmore 16 Record Dairy Feed<br>512A             | 11.76         | 16.00                               | 17.50        |
| 1073        | Wirthmore 20 Record Dairy Feed<br>519A             | 11.28         | 20.00                               | 22.75        |
| 8674        | Wirthmore 14 Record Fitting &<br>Calving Feed 516A | 8.44          | 14.00                               | 15.25        |
| 0353        | Wirthmore 14 Record Fitting &<br>Calving Feed 516A | 11.41         | 14.00                               | 15.50        |
| 0628        | Wirthmore Scratch                                  | 12.90         | 9.00                                | 9.00         |
| 0652        | Wirthmore Stable Mate Complete<br>Horse Feed 816A  | 10.06         | 12.50                               | 13.75        |
| 0406        | Wirthmore Stock Primer 616A                        | 11.31         | 14.00                               | 15.00        |
| 0767        | Wirthmore Super Pellets 411A                       | 10.39         | 23.00                               | 24.50        |
| 0765        | Wirthmore 16 Test Dairy Feed                       | 10.99         | 16.00                               | 17.25        |
| 1417        | Wirthmore Turkey Growing<br>Ration Pellets 321A    | 11.33         | 23.00                               | 23.00        |
| 1120        | Wirthmore Turkey Starter<br>312A Medicated Pellets | 10.35         | 28.00                               | <u>26.25</u> |
| 0641        | Wirthmore Twin-Mix Calf Feed<br>573A               | 11.42         | 18.00                               | 20.25        |
| 0689        | Wirthmore 16 Ultra-Cal Pellets<br>Dairy Feed 537A  | 9.34          | 16.00                               | 17.75        |

~~~~~ Indicates deficiencies.

INSPECTION OF 1963

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 4.00 | 6.41 | 4.00 | 3.78 | Furazolidone: Guar., 0.011%;
found, 0.0082%. Sulfaquinoxa-
line: Guar., 0.0175%; found,
0.0158%. |
| 10.00 | 10.03 | 1.50 | 1.03 | |
| 7.00 | 6.79 | 4.00 | 3.48 | |
| 3.00 | 3.21 | 6.00 | 4.16 | |
| 3.50 | 4.24 | 6.00 | 3.97 | |
| 3.00 | 3.08 | 12.00 | 9.60 | |
| 4.00 | 4.85 | 4.00 | 3.93 | Oxytetracycline hydrochloride:
Guar., 0.1 gm/lb.; not
determined. |
| 3.00 | 3.77 | 15.00 | 10.90 | |
| 3.00 | 3.36 | 15.00 | 12.60 | Furazolidone: Guar., 0.0055%;
found, 0.0048%; Sulfaquinoxa-
line: Guar., 0.0125%; found,
0.0117%. |
| 3.50 | 3.71 | 9.00 | 7.28 | |
| 3.50 | 4.19 | 9.00 | 6.36 | |
| 3.50 | 3.68 | 9.00 | 7.23 | |
| 3.50 | <u>3.16</u> | 7.50 | 6.60 | |
| 3.50 | 4.05 | 7.50 | 6.36 | |
| 2.50 | 3.38 | 4.00 | 3.45 | |
| 2.00 | 2.96 | 20.00 | 14.15 | |
| 3.00 | 3.29 | 8.50 | 5.30 | |
| 3.50 | 4.34 | 5.00 | 3.81 | |
| 4.00 | 3.94 | 8.50 | 6.07 | |
| 3.50 | 3.69 | 5.00 | 4.86 | |
| 4.00 | 5.53 | 4.50 | 4.03 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0150%. |
| 3.00 | 3.08 | 7.00 | 4.97 | |
| 5.00 | 5.87 | 6.00 | 5.67 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|-----------------------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| | THE YANTIC GRAIN &
PRODUCTS CO.,
Norwich, Conn. | | | |
| 0414 | Big Y Caged Layer Ration | 10.31 | 18.00 | 18.00 |
| 1655 | Big Y Calf & Beef Ration | 14.42 | 10.00 | 11.75 |
| 1657 | Big Y Cavalier Horse Feed | 12.12 | 11.00 | 15.00 |
| 1093 | Big Y Chlortetracycline
(Aureomycin) Mixture | 10.47 | 15.00 | 15.75 |
| 0883 | Big Y Complete Calf Starter | 10.12 | 17.00 | 17.25 |
| 0966 | Big Y Complete Grower-Layer
Mash | 10.62 | 16.00 | 15.25 |
| 0743 | Big Y Confinement Growing Mash | 11.40 | 15.00 | 16.25 |
| 0380 | Big Y Controlled Growing Ration | 9.75 | 15.00 | 12.25 |
| 0408 | Big Y Dairy & Fitting Ration | 11.06 | 14.00 | 15.00 |
| 8670 | Big Y 16% Dairy Ration | 7.19 | 16.00 | 18.63 |
| 0740 | Big Y 16% Dairy Ration | 12.74 | 16.00 | 16.75 |
| 0884 | Big Y 18% Dairy Ration (Coarse) | 10.81 | 18.00 | 18.25 |
| 0409 | Big Y 20% Dairy Ration | 11.10 | 20.00 | 18.25 |
| 0378 | Big Y Dairy Ration Purity | 10.76 | 16.00 | 18.25 |
| 0742 | Big Y Dairy Ration Purity (No
Filler) | 10.61 | 14.00 | 16.50 |
| 0105 | Big Y Dairy Supplement 32% | 12.06 | 32.00 | 29.00 |
| 0375 | Big Y Energized 16 Dairy Feed | 9.29 | 16.00 | 17.25 |
| 0376 | Big Y Extra Production Laying
Mash | 10.06 | 16.00 | 16.75 |
| 0970 | Big Y Hi-Efficiency Breeder
Ration | 10.50 | 15.00 | 16.00 |
| 0379 | Big Y High Efficiency Grower | 10.37 | 15.00 | 16.00 |
| 1121 | Big Y High Efficiency Grower
Medicated | 10.65 | 15.00 | 16.25 |
| 0104 | Big Y Hi-Efficiency Laying Mash
(Krumbles) | 11.46 | 16.00 | 17.00 |
| 1285 | Big Y Hi-Efficiency Laying Mash
(NF 180) | 10.42 | 16.00 | 17.00 |
| 0410 | Big Y Hi-G Dairy Ration | 10.87 | 16.00 | 16.00 |
| 0969 | Big Y Hi-G Dairy Ration (Pellets) | 9.82 | 20.00 | 18.75 |
| 0802 | Big Y Hi-G Scratch Feed | 11.87 | 9.00 | 11.50 |
| 1569 | Big Y Histostat Mixture Mixed
with Big Y Turkey Growing Feed | 10.51 | 20.00 | 21.75 |
| 0799 | Big Y Hog & Pig Ration | 10.22 | 17.00 | 17.00 |
| 0381 | Big Y Horse Feed | 11.91 | 10.00 | 10.00 |

Indicates deficiencies.

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 3.50 | 4.79 | 4.00 | 3.71 | |
| 3.00 | 2.46 | 9.00 | 5.13 | |
| 3.00 | 2.79 | 8.00 | 4.82 | |
| 3.50 | 4.89 | 5.00 | 5.18 | Chlortetracycline hydrochlor-
ide: Guar., 0.05 gm/lb.; not
determined. |
| 2.50 | 3.20 | 7.50 | 6.10 | |
| 3.50 | 3.98 | 4.00 | 2.86 | |
| 3.50 | 5.19 | 5.00 | 3.95 | |
| 3.00 | 3.79 | 10.00 | 10.48 | |
| 3.50 | 4.57 | 9.00 | 7.94 | |
| 3.50 | 3.39 | 8.50 | 8.06 | |
| 3.50 | 4.33 | 8.50 | 6.90 | |
| 3.00 | 3.33 | 9.00 | 7.24 | |
| 3.00 | 3.65 | 9.00 | 7.83 | |
| 3.00 | 4.11 | 9.00 | 7.20 | |
| 3.50 | 4.24 | 9.00 | 6.72 | |
| 2.00 | 2.44 | 8.00 | 6.82 | |
| 4.00 | 5.17 | 6.50 | 6.02 | |
| 4.00 | 4.00 | 5.00 | 3.64 | |
| 3.50 | 4.66 | 4.00 | 3.75 | |
| 3.50 | 4.99 | 5.00 | 3.83 | |
| 3.50 | 4.64 | 5.00 | 4.12 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0158%. |
| 3.50 | 4.49 | 4.00 | 2.93 | |
| 3.50 | 3.71 | 4.00 | 3.59 | Furazolidone: Guar., 0.022%;
found, 0.0215%. |
| 3.00 | 3.03 | 10.00 | 7.83 | |
| 3.00 | 3.71 | 10.00 | 5.76 | |
| 2.00 | 2.69 | 5.00 | 3.41 | |
| 3.50 | 3.79 | 6.00 | 5.62 | 4-Nitrophenylarsonic acid:
Guar., 0.0250%; found, 0.0244%. |
| 3.50 | 4.13 | 8.00 | 8.04 | |
| 2.50 | 3.79 | 9.00 | 5.51 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Mois-
ture | Protein
(N x 6.25) | |
|-------------|--------------------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 1627 | Big Y Improved Broiler Finisher | 10.71 | 19.00 | 19.00 |
| 0415 | Big Y Intermediate Chick Grain | 12.07 | 10.00 | 11.25 |
| 1626 | Big Y 20% Laying Mash (Pellets) | 9.69 | 20.00 | 20.25 |
| 1660 | Big Y M & O Growing Feed | 10.44 | 18.00 | 19.75 |
| 0775 | Big Y Milk Replacer for Calves | 4.26 | 21.00 | 21.50 |
| 1846 | Big Y Peerless Broiler Ration
Medicated | 10.96 | 23.00 | 23.25 |
| 0778 | Big Y Poultry Fitting Ration | 12.43 | 10.00 | 11.75 |
| 1910 | Big Y Pre Starter Medicated | 9.47 | 26.00 | 26.50 |
| 0418 | Big Y Producto Pels | 10.31 | 16.00 | 18.75 |
| 0798 | Big Y Purity Dairy Ration | 11.62 | 20.00 | 19.50 |
| 0383 | Big Y Rabbit Pellets | 9.97 | 20.00 | 20.25 |
| 0741 | Big Y Scratch Feed | 12.07 | 9.00 | 10.25 |
| 1656 | Big Y Sheep & Goat Feed | 11.75 | 16.00 | 17.25 |
| 0382 | Big Y Station Fattener Pellets | 9.28 | 12.00 | 15.25 |
| 0777 | Big Y Stock Feed | 9.51 | 9.00 | 12.00 |
| 0801 | Big Y Super Starter-Broiler
Ration | 10.65 | 20.00 | 20.00 |
| 1122 | Big Y Super Starter Ration Med. | 10.42 | 20.00 | 20.00 |
| 0413 | Big Y Test Cow Ration | 11.21 | 16.00 | 15.25 |
| 0744 | Big Y Turkey Fattener Feed | 11.65 | 17.00 | 18.00 |
| 0417 | Big Y Turkey Growing Feed | 10.46 | 20.00 | 21.00 |
| 1913 | Big Y Turkey Growing Feed
Medicated (Pellets) | 9.90 | 20.00 | 20.50 |
| 0800 | Improved Al-Mo | 9.57 | 10.00 | 12.00 |

~ indicates deficiencies.

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 5.00 | 5.03 | 4.00 | 2.97 | |
| 2.50 | 3.39 | 5.00 | 2.06 | |
| 3.50 | 4.13 | 6.00 | 5.59 | |
| 3.50 | 3.59 | 6.00 | 5.10 | |
| 8.50 | 8.49 | 0.50 | 0.34 | |
| 5.50 | 6.03 | 4.00 | 2.86 | Amprolium: Guar., 0.0125%;
found, 0.0149%. |
| 3.00 | 3.70 | 8.00 | 3.77 | |
| 8.00 | 7.77 | 3.50 | 2.98 | Amprolium: Guar., 0.0125%;
found, 0.0114%. |
| 3.00 | 4.85 | 10.00 | 7.26 | |
| 3.00 | 3.70 | 9.00 | 7.20 | |
| 3.00 | 3.54 | 10.00 | 8.41 | |
| 2.00 | 3.25 | 5.00 | 4.01 | |
| 3.00 | 3.59 | 8.50 | 8.03 | |
| 3.00 | 3.89 | 12.00 | 8.59 | |
| 2.50 | 3.14 | 15.00 | 9.66 | |
| 3.50 | 4.21 | 4.00 | 3.54 | |
| 3.50 | 4.36 | 4.50 | 3.55 | Sulfaquinoxaline: Guar.,
0.0175%; found, 0.0108%. |
| 3.00 | 4.04 | 8.50 | 7.12 | |
| 3.50 | 4.03 | 6.00 | 4.57 | |
| 3.50 | 4.50 | 6.00 | 3.82 | |
| 3.50 | 3.83 | 6.00 | 3.77 | Enheptin A: Guar., 0.0150%;
found, 0.0143%. |
| 2.00 | 3.49 | 12.00 | 12.23 | |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number | Vitamin D chick units/lb. | | Calcium pantothenate mg/lb. | | Niacin mg/lb. | | Riboflavin mg/lb. | |
|-------------------|------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|-------|-----------------------------|-------|---------------|-------|-------------------|-------|
| | | | Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| | AMERICAN CYANAMID CO.,
Princeton, N. J. | | | | | | | | | |
| 0047 | Aureomycin Chlortetracycline
Vitamin A & D Crumbles | Portland, 8/15, None | | | | | | | | |
| 9327 | Aureomycin Chlortetracycline
Vitamin A & D Crumbles | Norwich, 5/8, None | | | | | | | | |
| | CLINTON CORN PROCESSING
CO., Clinton, Iowa | | | | | | | | | |
| 0856 | Clinton C. F. S. Concentrate No. 1 | Jewett City, 11/12, None | | | | | | | | |
| | PEDER DEVOLD OIL CO., Div.
Chas. L. Huisking & Co.,
Inc., New York 17, N. Y. | | | | | | | | | |
| 0823 | Peder Devold Cod Liver Oil N. F. | Norwalk, 10/29, TO-683 | | | | | | | | |
| | DREW CHEMICAL CORP.,
Boonton, N. J. | | | | | | | | | |
| 0832 | Vitan Dry "3000" | Shelton, 11/7, None | | | | | | | | |
| 8821 | Vitan Dry "3000" | Shelton, 3/18, 3420 | | | | | | | | |
| 9324 | Vitan Dry "3000" | Shelton, 5/7, 3596 | | | | | | | | |
| | EASTERN STATES FARMERS'
EXCHANGE, INC.
West Springfield, Mass. | | | | | | | | | |
| 0824 | Calfsaver Tablets | Bethel, 10/30, 8007-106 | | | | | | | | |
| | THE FOX COMPANY,
Newfield, N. J. | | | | | | | | | |
| 9323 | Foxco Qualadee 300-D-2250-A | Derby, 5/7, 22063 | | | | | | | | |
| | KRAFT FOODS (Div. National
Dairy Products Corp.)
New York 16, N. Y. | | | | | | | | | |
| 0052 ¹ | Kray-9 | Norwich, 8/29, None | | | | | | | | |
| 9329 ² | Kray-9 | Norwich, 5/8, None | | | | | | | | |

~~~~~ Indicates deficiencies.

--\* Vitamin D: Guaranteed, 400 U.S.P. units/lb.

-\*\* Not determined.

TABLE 2. VITAMIN CARRIERS

| Vitamin D chick units/lb. |           | Calcium pantothenate mg/lb. |       | Niacin mg/lb. |       | Riboflavin mg/lb. |       |             |
|---------------------------|-----------|-----------------------------|-------|---------------|-------|-------------------|-------|-------------|
| Guar.                     | Found     | Guar.                       | Found | Guar.         | Found | Guar.             | Found |             |
|                           | 16,000    | OK                          |       |               |       |                   |       |             |
|                           | 16,000    | OK                          |       |               |       |                   |       |             |
|                           |           |                             | 12    | <u>8.90</u>   | 40    | 58.45             | 3     | <u>5.49</u> |
|                           | 33,750    | OK                          |       |               |       |                   |       |             |
|                           | 1,362,000 | OK                          |       |               |       |                   |       |             |
|                           | 1,362,000 | OK                          |       |               |       |                   |       |             |
|                           | 1,362,000 | OK                          |       |               |       |                   |       |             |
|                           | --*       | --*                         |       |               | 50    | --**              |       |             |
|                           | 136,200   | OK                          |       |               |       |                   |       |             |
|                           | ****      | --*                         | 17.4  | 16.3          | 60    | <u>85.0</u>       | 12    | <u>28.2</u> |
|                           | ****      | --*                         | 19.6  | 23.0          | 60    | <u>53.8</u>       | 12    | <u>22.7</u> |

--\*\* Niacin: Found, 59.33 mg/tablet.

\*\*\*\* Vitamin D: Guaranteed, 7,000 U.S.P. units/lb.

<sup>1</sup> Thiamine, mg/lb.: Guaranteed, 10.0; found, 17.4.

<sup>2</sup> Thiamine, mg/lb.: Guaranteed, 10.0; found, 13.36.

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------|------------------------|--------------------------------------------|
|-------------|------------------------|--------------------------------------------|

MARINE PRODUCTS CO.,  
Boston 27, Mass.

|      |                                 |                           |
|------|---------------------------------|---------------------------|
| 0049 | Finest Veterinary Cod Liver Oil | Norwich, 8/29, 2670-9174  |
| 8815 | Finest Veterinary Cod Liver Oil | Norwich, 3/15, 2038, 8355 |
| 9325 | Finest Veterinary Cod Liver Oil | Norwich, 5/8, 2670, 9174  |

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

|                   |                           |                          |
|-------------------|---------------------------|--------------------------|
| 8818 <sup>3</sup> | Improved Premix Medicated | Norwich, 3/15, M-239-3-1 |
|-------------------|---------------------------|--------------------------|

MYZON, INC., Chicago, Ill.

|      |                                  |                    |
|------|----------------------------------|--------------------|
| 8573 | Myzon Formula 62 Poultry Builder | Hamden, 1/14, None |
| 8574 | Myzon Poultry Builder            | Hamden, 1/14, None |

NOPCO CHEMICAL CO.,  
Newark, N. J.

|      |                                  |                     |
|------|----------------------------------|---------------------|
| 0050 | Nopdex "3000"                    | Norwich, 8/29, None |
| 0828 | Nopdex "3000"                    | Norwich, 11/6, None |
| 8558 | Nopdex "3000"                    | Norwich, 1/9, None  |
| 8816 | Nopdex "3000"                    | Norwich, 3/15, None |
| 9328 | Nopdex "3000"                    | Norwich, 5/8, None  |
| 0830 | Nopco-Pak Hi-Lay Premix Code GGU | Norwich, 11/6, None |
| 8559 | Nopco-Pak Hi-Lay Premix Code GGU | Norwich, 1/9, None  |
| 8819 | Nopco-Pak Hi-Lay Premix Code GGU | Norwich, 3/15, None |
| 0053 | Nopco-Pak Super Premix FGY       | Norwich, 8/29, None |
| 0829 | Nopco-Pak Super Premix FGY       | Norwich, 11/6, None |
| 8561 | Nopco-Pak Super Premix FGY       | Norwich, 1/9, None  |
| 8817 | Nopco-Pak Super Premix FGY       | Norwich, 3/15, None |
| 9331 | Nopco-Pak Super Premix FGY       | Norwich, 5/8, None  |

CHAS. PFIZER & CO., INC.,  
New York 17, N. Y.

|      |                                  |                              |
|------|----------------------------------|------------------------------|
| 0051 | Pfizer R-4 Riboflavin Supplement | Norwich, 8/29, None          |
| 0831 | Yantic High Lay Premix           | Norwich, 11/6, None          |
| 8560 | Yantic High Lay Premix           | Norwich, 1/9, 346X2133       |
| 9330 | Yantic High Lay Premix           | Norwich, 5/8, A0953X<br>2133 |

<sup>3</sup> Amprolium: Guaranteed, 3.125%; not determined.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Calcium<br>pantothenate<br>mg/lb. |       | Niacin<br>mg/lb. |       | Riboflavin<br>mg/lb. |       |
|------------------------------|-------|-----------------------------------|-------|------------------|-------|----------------------|-------|
| Guar.                        | Found | Guar.                             | Found | Guar.            | Found | Guar.                | Found |

136,400 OK  
136,400 OK  
136,400 OK

85,125 OK 500 602 3,750 3,424 500 464

164,000 OK 174 71 640 657 160 167  
164,000 OK 174 90 640 524 160 162

1,361,000 OK  
1,361,000 OK  
1,361,000 OK  
1,361,000 OK  
1,361,000 OK

544,800 OK 1,600 1,490 8,000 8,904 800 837

544,800 OK 1,600 --\* 8,000 --\* 800 --\*

544,800 OK 1,600 2,087 8,000 9,492 800 833  
170,250 OK 1,000 1,097 7,500 7,761 1,000 1,042  
170,250 OK 1,000 1,135 7,500 7,425 1,000 994  
170,250 OK 1,087 1,169 7,500 7,845 1,000 1,134  
170,250 OK 1,000 1,342 7,500 8,437 1,000 996  
170,250 OK 1,000 1,019 7,500 7,238 1,000 1,027

1,362,000 OK 1,600 1,817 8,000 9,308 800 775  
1,362,000 OK 1,600 1,624 8,000 9,183 800 845  
1,362,000 OK 1,603 1,722 8,000 7,009 800 806

       Indicates deficiencies.

--\* Not determined.

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------|------------------------|--------------------------------------------|
|             |                        |                                            |

STABILIZED VITAMINS DIV.,  
Commercial Solvents Corp.,  
Garfield, N. J.

|      |                                          |                            |
|------|------------------------------------------|----------------------------|
| 0061 | Perma-D 3 D3                             | Manchester, 9/11, 16685    |
| 0057 | Perma-Mix CCC No. 1                      | Manchester, 9/11, 4904-1   |
| 8555 | Perma-Mix CCC No. 1                      | Manchester, 1/8, 4535-3    |
| 8811 | Perma-Mix CCC No. 1                      | Manchester, 3/13, 4674-1   |
| 9317 | Perma-Mix CCC No. 1                      | Manchester, 5/7, 4764-1    |
| 0825 | Perma-Mix CCC No. 1<br>(Revised Formula) | Manchester, 11/5, 4979-1   |
| 0058 | Perma-Mix CCC No. 2                      | Manchester, 9/11, 4881     |
| 0062 | Perma-Mix CCC No. 2                      | Manchester, 9/11, 4906     |
| 8556 | Perma-Mix CCC No. 2                      | Manchester, 1/8, 4536      |
| 8812 | Perma-Mix CCC No. 2                      | Manchester, 3/13, 4662     |
| 9318 | Perma-Mix CCC No. 2                      | Manchester, 5/7, 4762      |
| 0826 | Perma-Mix CCC No. 2<br>(Revised Formula) | Manchester, 11/5, 4961     |
| 0059 | Perma-Mix CCC No. 3                      | Manchester, 9/11, 4864     |
| 8557 | Perma-Mix CCC No. 3                      | Manchester, 1/8, 4476      |
| 8813 | Perma-Mix CCC No. 3                      | Manchester, 3/13, 4625     |
| 9319 | Perma-Mix CCC No. 3                      | Manchester, 5/7, 4763      |
| 0060 | Perma-Mix CCC No. 4 Broilers             | Manchester, 9/11, 4907     |
| 8814 | Perma-Mix CCC No. 4 Broilers             | Manchester, 3/13, 4594     |
| 9320 | Perma-Mix CCC No. 4 Broilers             | Manchester, 5/7, 4594      |
| 8564 | Vitamin A & D Feeding Oil                | Shelton, 1/10, (Illegible) |
| 8820 | Vitamin A & D Feeding Oil                | Shelton, 3/18, 15655       |

SYNTHA LABORATORIES,  
West Alexandria, Ohio

|      |                         |                          |
|------|-------------------------|--------------------------|
| 0056 | Special All Mash Premix | Jewett City, 9/11, None  |
| 0857 | Special All Mash Premix | Jewett City, 11/12, None |
| 8562 | Special All Mash Premix | Jewett City, 1/9, None   |
| 9332 | Special All Mash Premix | Jewett City, 5/8, None   |

WARNER DOG FOOD CO.,  
Brooklyn 22, N. Y.

|                   |                            |                     |
|-------------------|----------------------------|---------------------|
| 0054 <sup>4</sup> | Gold-N-Bone Shaped Biscuit | Norwich, 8/29, None |
|-------------------|----------------------------|---------------------|

WHITMOYER LABORATORIES,  
INC., Myerstown, Pa.

|      |                          |                    |
|------|--------------------------|--------------------|
| 0055 | Derby All-Purpose Premix | Derby, 9/10, 81963 |
|------|--------------------------|--------------------|

<sup>4</sup> Thiamine, mg/lb.: Guaranteed, 0.5; found, 3.70.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |           | Calcium<br>pantothenate<br>mg/lb. |       | Niacin<br>mg/lb. |              | Riboflavin<br>mg/lb. |              |     |             |
|------------------------------|-----------|-----------------------------------|-------|------------------|--------------|----------------------|--------------|-----|-------------|
| Guar.                        | Found     | Guar.                             | Found | Guar.            | Found        | Guar.                | Found        |     |             |
|                              | 1,362,000 |                                   | OK    |                  |              |                      |              |     |             |
|                              | 297,500   |                                   | OK    | 978              | 1,166        | 7,950                | 9,812        | 600 | 635         |
|                              | 297,500   |                                   | OK    | 978              | 819          | 7,950                | 7,866        | 600 | 543         |
|                              | 297,500   |                                   | OK    | 978              | 1,003        | 7,950                | 9,054        | 600 | 635         |
|                              | 297,500   |                                   | OK    | 978              | 1,004        | 7,950                | 6,848        | 600 | 599         |
|                              | 297,500   |                                   | OK    | 978              | <u>1,421</u> | 7,950                | 8,280        | 600 | 662         |
|                              | 153,150   |                                   | OK    | 1,500            | <u>2,164</u> | 7,500                | 7,712        | 375 | <u>514</u>  |
|                              | 153,150   |                                   | OK    | 1,500            | <u>1,736</u> | 7,500                | 7,595        | 375 | <u>469</u>  |
|                              | 153,150   |                                   | OK    | 1,500            | 1,674        | 7,500                | 8,003        | 375 | <u>589</u>  |
|                              | 153,150   |                                   | OK    | 1,500            | 1,488        | 7,500                | 6,274        | 375 | <u>442</u>  |
|                              | 153,150   |                                   | OK    | 1,500            | 1,515        | 7,500                | 6,055        | 375 | <u>413</u>  |
|                              | 153,150   |                                   | OK    | 1,500            | 1,503        | 7,500                | 7,035        | 375 | <u>473</u>  |
|                              | 214,650   |                                   | OK    | 1,200            | 1,158        | 6,750                | 7,147        | 975 | 953         |
|                              | 214,650   |                                   | OK    | 1,200            | 1,072        | 6,750                | 5,760        | 975 | 927         |
|                              | 214,650   |                                   | OK    | 1,200            | 1,296        | 6,750                | 7,102        | 975 | 1,131       |
|                              | 214,650   |                                   | OK    | 1,200            | 1,359        | 6,750                | 5,251        | 975 | 1,082       |
|                              | 216,000   |                                   | OK    | 1,200            | 1,416        | 5,400                | <u>5,836</u> | 900 | 836         |
|                              | 216,000   |                                   | OK    | 1,200            | 1,363        | 5,400                | <u>6,926</u> | 900 | 962         |
|                              | 216,000   |                                   | --*   | 1,200            | --*          | 5,400                | <u>5,297</u> | 900 | 747         |
|                              | 136,200   |                                   | OK    |                  |              |                      |              |     |             |
|                              | 136,200   |                                   | OK    |                  |              |                      |              |     |             |
|                              | 544,800   |                                   | OK    | 2,174            | 1,871        | 8,000                | 7,256        | 800 | 780         |
|                              | 544,800   |                                   | OK    | 2,174            | <u>1,718</u> | 8,000                | 6,862        | 800 | 935         |
|                              | 544,800   |                                   | OK    | 2,174            | 2,111        | 8,000                | 8,879        | 800 | 789         |
|                              | 544,800   |                                   | OK    | 2,174            | 2,165        | 8,000                | 8,029        |     |             |
|                              | 22,000    |                                   | --*   | 2.0              | <u>5.11</u>  | 14.                  | <u>28.6</u>  | 1.5 | <u>2.88</u> |
|                              | 136,200   |                                   | OK    | 1,000            | 900          | 4,000                | 4,335        | 400 | 397         |

~~~~~ Indicates deficiencies.

--* Not determined.

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------|------------------------|--------------------------------------------|
|-------------|------------------------|--------------------------------------------|

WHITMOYER LABORATORIES,
INC., Myerstown, Pa. -Cont.

| | | |
|------|----------------------------------------------------------------|------------------------|
| 8563 | Derby All-Purpose Premix | Derby, 1/10, 120662 |
| 8822 | Derby All-Purpose Premix | Derby, 3/18, 120662 |
| 0827 | Whitmoyer 150D-1500A Pure
Cod Liver Oil | Baltic, 11/6, 22663 |
| 9333 | Whitmoyer 150D-1500A Pure
Cod Liver Oil | Baltic, 5/8, 6702, GKS |
| 0822 | Whitmoyer 300-D-2250-A
Quality Vitamin A & D
Feeding Oil | Derby, 10/29, 9663 |

WIRTHMORE FEEDS, INC.,
Waltham, Mass.

| | | |
|---------------------|--------------------------------------|---------------------------------------------|
| 0821 ^{5,6} | Wirthmore Meatless Mink Food
842A | Danbury, 10/16, N491080,
82, 84, 86 & 97 |
| 0950 ^{7,8} | Wirthmore Mink Food | Torrington, 11/19,
B570784, 86, 87, & 91 |

~~~~~ Indicates deficiencies.

--\* Not determined

<sup>5</sup> Thiamine, mg/lb.: Guaranteed, 8; found, 6.4.

TABLE 2. VITAMIN CARRIERS

| Vitamin D<br>chick units/lb. |       | Calcium<br>pantothenate<br>mg/lb. |       | Niacin<br>mg/lb. |       | Riboflavin<br>mg/lb. |       |
|------------------------------|-------|-----------------------------------|-------|------------------|-------|----------------------|-------|
| Guar.                        | Found | Guar.                             | Found | Guar.            | Found | Guar.                | Found |

|         |     |       |             |       |             |     |            |
|---------|-----|-------|-------------|-------|-------------|-----|------------|
| 136,200 | OK  | 1,000 | <u>768</u>  | 4,000 | 3,638       | 400 | 385        |
| 136,200 | OK  | 1,000 | <u>792</u>  | 4,000 | 3,364       | 400 | 351        |
| 68,000  | OK  |       |             |       |             |     |            |
| 68,000  | OK  |       |             |       |             |     |            |
| 136,000 | OK  |       |             |       |             |     |            |
| 4,000   | --* | 7.6   | <u>11.3</u> | 40.   | 42.7        | 5   | 5.6        |
| 4,000   | --* | 7.6   | <u>12.9</u> | 40.   | <u>92.8</u> | 5   | <u>6.7</u> |

<sup>6</sup> Folic acid, mg/lb.: Guaranteed, 5; found, 0.62.

<sup>7</sup> Thiamine, mg/lb.: Guaranteed, 8; found, 11.0.

<sup>8</sup> Folic acid, mg/lb.: Guaranteed, 5; found, 0.8.