

**Commercial**  
**FEEDING STUFFS**  
**1962** Report on Inspection

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Chief Chemist

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## COMMERCIAL FEEDING STUFFS

### REPORT ON INSPECTION

1962

H. J. FISHER<sup>1</sup>

### 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.

<sup>1</sup> 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, Mrs. Marshall S. E. Brown and Mrs. Morris Borrack.

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 labelling thereof.

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

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

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

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

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

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

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

#### REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condi-

CORRECTION TO BE MADE ON PAGE 7    CONNECTICUT EXPERIMENT STATION BULLETIN 661

First paragraph should read:

For the period January 1, 1962 to December 31, 1962, 169 firms registered 1205 brands of feeding stuffs, and 24 firms registered 45 brands of vitamin carriers.



mental 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, 1962 to December 31, 1962, firms registered brands of feeding stuffs, and firms registered 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., 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
- ALLIED CHEMICAL CORP., Nitrogen Division, Hopewell, Va.  
 "Procadian" 281 Prilled Urea Feed Mixture  
 "Procadian" Urea Feed Mixture
- AMERICAN CRYSTAL SUGAR CO., Boston Bldg., Denver, 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 Premix 4%  
 Cyrea Urea  
 Cyzine 10%  
 Enheptin A Premix 15%  
 Megasul 25%  
 Nitrophenide 20
- AMERICAN FEED CO., West 177th Street & Harlem River, New York 53, N. Y.  
 AFCO Wafer Meal
- AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave., New York 17, N. Y.  
 Amaizo Corn Gluten Meal  
 Cream of Corn Gluten Feed
- ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis, Mo.  
 Brewers' Dried Grains with 2% Spent Hops
- ARCHER-DANIELS-MIDLAND CO., P. O. Box 532, Minneapolis 40, Minn.  
 Archer Quality 34% Protein Linseed Oil Meal

## ARCHER-DANIELS-MIDLAND CO. -Cont.

Archer Quality 44% Protein Solvent Extracted Soybean Meal  
 Archer Quality 50% Protein Solvent Extracted Soybean Meal  
 Small's 17% Dehydrated Alfalfa Meal with Ethoxyquin  
 Small's 20% Dehydrated Alfalfa Meal with Ethoxyquin

## ARMOUR &amp; COMPANY, 401 N. Wabash Ave., Chicago, Ill.

Armour Mink Food Mix

## ATLANTIC PROCESSING CO., Amagansett, N. Y.

Smith's Life Line Fish Meal

## EDWARD R. BACON GRAIN CO., 177 Milk St., Boston, Mass.

Corn Gluten Feed 21%

## BARBER &amp; BENNETT, INC., Arch &amp; Church Sts., Albany, N. Y.

Dairy Sweet 16%

Fort Orange All Mash Grower

Fort Orange All Mash Layer

Fort Orange Calf Grower & Booster

Fort Orange Fitting and Freshening Ration

Fort Orange Golden Test Ration

Fort Orange Green Roughage

Fort Orange Growing Mash

Fort Orange Laying Mash

Fort Orange Medicated Appetizer Mash

Fort Orange Milk Replacer

Fort Orange Pig & Hog Feed

Fort Orange Special Test Ration

Fort Orange Turkey Grower

## BEACON MILLING CO., Spencer Kellogg Division of Textron, Inc., Cayuga, N. Y.

Beacon Balancer Pellets

Beacon Breeder All Mash A Medicated

Beacon Broiler Finisher AP Medicated

Beacon Calf Grow

Beacon Chinchilla Pellets

Beacon "15" Coarse Test Cow Ration

Beacon Complete Rabbit Pellets

Beacon Complete Starter NC Medicated

Beacon Complete Starter T Medicated

Beacon Dairy Fitting

Beacon Dienestrol Diacetate and Nicarbazine Mix mixed with

Beacon Poultry Finisher

Beacon Dienestrol Diacetate and Nicarbazine Mix mixed with

Beacon Poultry Finisher LL

Beacon Duck Breeder

Beacon Duck Breeder Developer

Beacon Duck Starter

Beacon Egg Check A Medicated

Beacon "22" Egg Mash

Beacon Goat Ration

Beacon Grower-All-Mash NC Medicated

Beacon "18" Growing Mash

## BEACON MILLING CO., Spencer Kellogg Division of Textron, Inc. -Cont.

Beacon Hi-Energy Test Pel-ets

Beacon Hi-Energy "18" Test Pel-ets

Beacon Horse Feed

Beacon 0.11% Iodinated Casein Mix mixed with Beacon Duck  
 Grower Finisher

Beacon LP Poultry Finisher AP Medicated

Beacon Market Egg All-Mash A Medicated

Beacon Medicated Booster Pellets

Beacon Medicated Broiler Mix 2CT-AP

Beacon Medicated Poultry Mix 2CT

Beacon Milk Check "16" Dairy Ration

Beacon Milk Check "18" Dairy Ration

Beacon Milk Check "20" Dairy Ration

Beacon Milk Check Fitting Ration

Beacon Milky Way "16" Pel-ets

Beacon Milky Way "18" Pel-ets

Beacon Milky Way "20" Pel-ets

Beacon "24" Mixer

Beacon Poultry Finisher AP Medicated

Beacon Roaster Finisher AP Medicated

Beacon Rumentrol

Beacon Starter Broiler AP Medicated

Beacon Sweet "16" Dairy Ration

Beacon "16" Test Cow Ration

Beacon "18" Test Cow Ration

Beacon "22" Turkey and Game Bird Grower

Beacon Turkey Breeder All-Mash

Beacon Turkey Finisher All-Mash

Beacon "20" Turkey Grower

Beacon "22" Turkey Grower C Medicated

Beacon Turkey & Poultry Fitting

Beacon Turkey Starter AP Medicated

Beacon Worm Mash

Be-Co Breeder A Medicated

Be-Co-Grower

Be-Co Grower NC Medicated

Be-Co-Lass

Be-Co-Nurse Milk Replacer

Pro-Pel "16" Dairy

SNE Succulent

## 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 Medicated with Nicarbazine 0.010

Nibco Five Star Lo Color Medicated with Nicarbazine 0.010

& Dienestrol Diacetate 0.0023

Nibco Five Star Roaster Medicated with Nicarbazine 0.010

Nibco Five Star Roaster Medicated with Nicarbazine 0.010

& Dienestrol Diacetate 0.0023

## THE BERKMAN GRAIN CO. -Cont.

Nibco Five Star Super Starter Medicated with Ampr. 0.0125  
 Nibco Five Star Super Starter Medicated with Nicarbazin  
 0.010 & 3-Nitro 0.005  
 Nibco Five Star Weight Maker  
 Nibco Five Star Weight Maker Medicated with Ampr. 0.0125  
 Nibco Five Star Weight Maker Medicated with Nicarbazin  
 0.010 & 3-Nitro 0.005  
 Nibco Five Star Weightmaker Medicated with Nicarbazin  
 0.010 & 3-Nitro 0.005 & Dienestrol Diacetate 0.0023  
 Nibco High Energy Layer  
 Nibco High Energy Laying & Growing Mash  
 Nibco Medicated Booster Crumbles  
 Nibco Medicated Booster Feed  
 Nibco Pullet Builder  
 Nibco Pullet Starter

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

Oat Mill By-Product

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

Blatchford's Calf Meal  
 Blatchford's Calf-Pab

BLOOMFIELD FARMERS' EXCHANGE, INC., Bloomfield, Conn.  
 Bloomfield Hominy Mix  
 Bloomfield 16% Dairy Ration  
 Hominy Feed (Mfd. by Cooperative Grange League Federation  
 Exchange, Inc., Mills Div., P. O. Box 973, Buffalo, N. Y.)

BROOKLAWN FEED CO., 321 Sylvan Ave., Bridgeport, Conn.  
 Brooklawn Feed Sweet Mix  
 Brooklawn High Energy Layer

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

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

BUCKEYE COTTON OIL, Division of Buckeye Cellulose Corp.,  
 Cincinnati, Ohio

Buckeye 41% Protein Solvent Extr. Cottonseed Meal

BURGEO FISH INDUSTRIES, LTD., Burgeo, Newfoundland

Registered by Boston Feed Supply, Boston, Mass.

Caribou Brand Fish Meal

CALVERT MILLING CO., Hoytville, Ohio

17% Dehydrated Alfalfa Meal

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

Camden Brand Dried Brewers Grain

THE CANADA LINSEED OIL MILLS, LTD., 2215 Notre Dame  
 St., East Montreal 24, Quebec, Canada

Maple Leaf Expeller Linseed Meal

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

17% Capex Dehydrated Alfalfa Meal-Reground Pellets  
 Sun-cured Alfalfa Crumbles

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

Cargill, Inc., 32% Protein Solvent Extracted Linseed Oil Meal  
 Cargill, Inc., 34% Protein Solvent Extracted Linseed Oil Meal  
 Cargill, Inc., 44% Protein Solvent Extracted Soybean Meal  
 Cargill, Inc., 50% Protein Solvent Extracted Dehulled Soy-  
 bean Meal

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

Carling Brewers Dried Grains

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

Honest Brand Aureomycin Mix 100 grams  
 Honest Brand Aureomycin Mix 200 grams  
 Honest Brand Complete Breeder Mash  
 Honest Brand Complete Ration High Energy Growing Mash  
 Honest Brand Complete Ration High Energy Growing Mash  
 Medicated with Furazolidone 0.022  
 Honest Brand Complete Ration High Energy Growing Mash  
 Medicated with Sulfaquinoxaline 0.0125  
 Honest Brand Complete Ration High Energy Growing Mash  
 Medicated with Sulfaquinoxaline 0.015  
 Honest Brand Complete High Energy Laying Mash  
 Honest Brand Complete Ration High Energy Laying Mash Med.  
 Honest Brand Complete Ration High Energy Laying Mash  
 Medicated Poultry Feed  
 Honest Brand Nu Weigh-Hi Broiler Finisher Mash  
 Honest Brand Nu Weigh-Hi Broiler Mash Medicated  
 Honest Brand Nu Weigh-Hi Starter Mash Medicated  
 Honest Brand Triple Mix

CENTRAL SOYA, McMillen Feed Division, 300 Ft. Wayne Bank  
 Bldg., Ft. Wayne, Ind.

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  
 Master Mix All Mash Pullet Grower 135  
 Master Mix All Mash Pullet Grower Medicated  
 Master Mix All Mash Turkey Breeder Pellets 437  
 Master Mix All Mash Turkey Breeder Pellets 437C-41B Med.  
 Master Mix All Mash Turkey Grower 421  
 Master Mix Blended Fifty 675  
 Master Mix Bloom 'N Gain Concentrate 765L  
 Master Mix Bloom 'N Gain Concentrate 765L-37A



## CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix Broiler Finisher 324-04A Medicated  
 Master Mix Broiler Finisher 324-16C Medicated  
 Master Mix Broiler Finisher 323-71F Medicated  
 Master Mix Broiler Finisher Concentrate 375  
 Master Mix Broiler Finisher Concentrate 375-04C Medicated  
 Master Mix Broiler Finisher Concentrate 375-16B Medicated  
 Master Mix Broiler Finisher Concentrate 375-71P Medicated  
 Master Mix Broiler Starter Concentrate 351  
 Master Mix Broiler Starter Concentrate Medicated 351-16A  
 Master Mix Broiler Starter Concentrate "A" 353-16F Med.  
 Master Mix Broiler Starter Medicated 308-16C  
 Master Mix Broiler Starter Medicated 308-77L  
 Master Mix Calflac Medicated  
 Master Mix Calf-Mixer  
 Master Mix Calf Starter  
 Master Mix Caponette Finisher 337-16D Medicated  
 Master Mix Caponette Finisher 337-77L Medicated  
 Master Mix Caponette Finisher Concentrate 383-16E Med.  
 Master Mix Cattle Blend Concentrate 764K  
 Master Mix Cattle Blend Concentrate 764K-37A  
 Master Mix Central Soybean Mill Run  
 Master Mix Chick Concentrate  
 Master Mix Chick Concentrate 153-04G Medicated  
 Master Mix Chick Starter 103-04A Medicated  
 Master Mix Complete Breeder 041  
 Master Mix Complete Layer 218  
 Master Mix Complete Rabbit Pellets 961 Medicated  
 Master Mix Complete Turkey Finisher  
 Master Mix 38% Dairy Concentrate 671  
 Master Mix 38% Dairy Concentrate 671-03M Medicated  
 Master Mix 50% Dairy Concentrate 675  
 Master Mix Dairy Developer Concentrate 651  
 Master Mix Eastern Big "M" Dairy Feed 622  
 Master Mix Eastern Dry 'N Fresh 605  
 Master Mix Egg Concentrate  
 Master Mix Egglac Pellets 223  
 Master Mix Egglac Pellets 223  
 Master Mix Egglac Pellets 223-41B  
 Master Mix Egg Mash  
 Master Mix Farro Aid 180 Medicated  
 Master Mix Flaked Soybean Hulls  
 Master Mix Gro-Getter Concentrate 767L  
 Master Mix Gro-Getter Concentrate 767L-37A  
 Master Mix Gro-Getter Concentrate 767M-42A Medicated  
 Master Mix H. C. All Mash Breeder 043  
 Master Mix H. C. Breeder Concentrate 087  
 Master Mix H. C. Egglac Pellets 221  
 Master Mix H. C. Egglac Pellets 221-41B  
 Master Mix HQ 16% Dairy  
 Master Mix HQ Master Blend Concentrate 667  
 Master Mix 35% Hog Concentrate  
 Master Mix 12% Hog Finisher 821-01A Medicated  
 Master Mix Hog Finisher Concentrate 889

## CENTRAL SOYA, McMillen Feed Division -Cont.

Master Mix Horse Feed  
 Master Mix Layer Concentrate 265  
 Master Mix Laponette Finisher with 0.0035% Dienestrol Diacetate  
 Master Mix Medicated Baby Pig Creep 801-99A  
 Master Mix Medicated Bio-5  
 Master Mix Medicated Bio-5 Concentrate 376-03G  
 Master Mix Medicated Bio-21 Concentrate 350-03N  
 Master Mix Medicated Bio-21  
 Master Mix Medicated Biofeed 100 (91A)  
 Master Mix Medicated Biofeed 200  
 Master Mix Pig-ets 809-95A Medicated  
 Master Mix Pig & Sow Feed 827-01A Medicated  
 Master Mix Pig-ets 809-99A Medicated  
 Master Mix Pig Grower Concentrate 859-01B Medicated  
 Master Mix Pig Grower Concentrate 859-52B Medicated  
 Master Mix Pig Wormer 831-31A  
 Master Mix Poult Concentrate 451  
 Master Mix Poult Pre Starter 405-66B Medicated  
 Master Mix Poult Starter 401-83A Medicated  
 Master Mix Pullet Concentrate 163  
 Master Mix Pullet Concentrate 163-O4H Medicated  
 Master Mix Pullet Grower 119-04D Medicated  
 Master Mix Roaster Finisher 323-16C Medicated  
 Master Mix Roaster Starter Medicated  
 Master Mix Sow and Pig Feed 827  
 Master Mix Sow Concentrate 853  
 Master Mix Special 16% Dairy 630  
 Master Mix Sweet Bulk 'N Flakes 648  
 Master Mix Sweet 16% Dairy Feed 620  
 Thrifty-Fifty 50% Solvent Extracted Dehulled Soybean Meal

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

Serpasil<sup>R</sup> - Reserpine Premix CIBA - Medicated

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

Florida Crest All Sweet Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

(See also Vitamin Carriers)

Clinton 21% Protein Corn Gluten Feed

Clinton 41% Protein Corn Gluten Meal

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

Clyde Horse Feed

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

Soluferm<sup>(R)</sup> Basic - Corn Distillers Dried Grains with Solubles

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

Hydrolyzed Poultry Feathers  
Poultry By-Product Meal

CONSOLIDATED BLENDERS, INC., P. O. Box 689, Fremont, Neb.

17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer Granules

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

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

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

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

CROMPTON GRAIN CO., 100 Pulaski St., W. Warick, R. I.

Master Made All Mash Layer  
Master Made Roaster Finisher Medicated

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

Domaco Pure Winter Wheat Bran  
Domaco Wheat Middlings

DARI-DRI CO., Division of Milk Specialties, Inc., 260 S. Washington, Dundee, Ill.

(See also Vitamin Carriers)

Dari Dri Veal Formula

DAWNWOOD FARMS, Smithfield Rd., Amenia, N. Y.

(See also Vitamin Carriers)

Dawnwood Farms CAF-STAR Formula Feed for Calves

DECATUR ELEVATOR CO., 518 East Gault St., Decatur, Ill.

Illini Brand Expeller Type 43% Soybean Oil Meal

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

Camp's Milk Replacer for Calves and Pigs  
Delaware Rabbit Pellets  
Delaware Scratch Grains  
Eastern Connecticut Grain Associates Growing Mash  
Eastern Connecticut Grain Associates Laying Mash  
Middlesex All Mash Layer  
Warren's C and C Complete Laying Mash  
Warren's C and C Laying Mash  
Warren's Fitting Ration  
Warren's Indian 16% Dairy  
Warren's 16% Test Ration  
Warren's 20% Test Ration  
Warren's Turkey Growing Mash

THE 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 Medicated (Litsky's SQ Mixture)  
Litsky's Sweet 16% Dairy Ration

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

DU PONT TWO-SIXTY TWO Feed Compound

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

(See also Vitamin Carriers)

Alfapels  
Beefmix - Diethylstilbestrol  
Bre-Bits Medicated  
Broiler Finisher Medicated  
Broiler Starter Medicated  
Calf Starter  
Cashmaker Medicated  
Champion  
Choicemaker Medicated  
Choicemaker WM Medicated  
Class Leader  
CM-102 (Lipamone Roaster 1.2 Medicated)  
Darimore  
Fifty Mix  
Fulpail  
Gee-Mix  
Goalmaker Medicated  
Gro-Bits-Medicated  
Gro-Bits-WM-Medicated  
Lay Bits Medicated  
Lay-Mix Medicated  
Matchmaker Medicated  
Medicated Defender  
Medicated Lacto-Life  
Medicated Minuteman  
Medicated Minuteman - SQ  
Medicated Sentinel  
Medicated Turkey Starter-F  
Milkerpels  
Milkerpels 14  
Milkerpels 16 WA Medicated  
Milkerpels 20  
Milkmore  
Milksaver  
Pacemaker Medicated  
Pel-22 Medicated



## EASTERN STATES FARMERS' EXCHANGE, INC. -Cont.

Pel-Gro-WM  
 Pel-Gro-Medicated  
 Pel-Lay-Medicated  
 Pork Builder  
 Pork Finisher Mix  
 Pork Gainer Medicated  
 Porklets (Protein 40., Fat 1.5, Fiber 4.)  
 Porklets (Protein 40., Fat 1.5, Fiber 6.)  
 Porkmix (Protein 40., Fat 1.5, Fiber 4.)  
 Porkmix (Protein 40., Fat 1.5, Fiber 6.)  
 Pork Primer Medicated  
 Poultry Wormer  
 Protek A Medicated  
 Protek F-Medicated  
 Rabettes Medicated  
 Roaster Finisher - Medicated  
 Supmix  
 Sweepstakes (Protein 16.0, Fat 3.0, Fiber 7.5)  
 Sweepstakes (Protein 16.0, Fat 3.0, Fiber 9.0)  
 Tastibulk  
 Tastipels  
 Thriftmaker  
 Trim-Maker  
 Turkey Grower  
 Turkey Grower-C-Medicated  
 Turkey Starter Medicated  
 Turkey Breeder  
 Turkey Finisher  
 Turkey Finisher-C-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 (1S)  
 Elmore Complete Calf Milk Replacer  
 Elmore Complete Growing Mash  
 Elmore Complete Growing Ration (1S) Medicated  
 Elmore Complete Growing Ration Medicated  
 Elmore Complete Growing Ration Medicated N. F. 180  
 Elmore Complete Laying Mash  
 Elmore Complete Market Egg Ration  
 Elmore Complete Turkey Growing Mash  
 Elmore Dry and Freshening Ration  
 Elmore Duck Grower Pellets  
 Elmore Egg Mash  
 Elmore Fitting Ration 14%  
 Elmore Flaked Pelleted Calf Starter

## ELMORE MILLING CO., INC. -Cont.

Elmore Game Bird Breeder Mash  
 Elmore Game Bird Grower  
 Elmore Game Bird Grower Medicated (1S)  
 Elmore Game Bird Starter (1S)  
 Elmore Grand Champion Ration  
 Elmore Hog Ration  
 Elmore Horse Feed  
 Elmore Maximilk Ration  
 Elmore Medicated Mash  
 Elmore Milk Grains "Sixteen"  
 Elmore Milk Grains "Twenty"  
 Elmore Pacemaker 16% Dairy Ration  
 Elmore Picker-Upper Mash (2A)  
 Elmore Rabbit Ration Pellets  
 Elmore Restricted Grower Medicated (1S)  
 Elmore Test Ration 16%  
 Elmore Test Ration 18%  
 Elmore Turkey Finisher (Fattener)  
 Elmore Turkey Starting Mash (1-S)

## JOHN W. ESHELMAN &amp; SONS, Lancaster, Pa.

Lancaster 16 Dairy Feed  
 Lancaster 20 Dairy Feed  
 Lancaster Scratch Grains  
 Pennsy Complete Laying Ration  
 Pennsy 16 Dairy Feed  
 Pennsy Laying Mash  
 Red Rose Broiler Finisher  
 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 - Medicated (312-C)  
 Red Rose 16 Dairy Feed  
 Red Rose 18 Dairy Feed  
 Red Rose Duck Grower & Breeder  
 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

## JOHN W. ESHELMAN &amp; SONS -Cont.

Red Rose Porkmaker  
 Red Rose Rabbit Pellets  
 Red Rose Rabbit Pellets Medicated  
 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  
 S-O-S  
 Solvent Extracted 41% Cottonseed Meal

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

Emco Hominy Feed

## EVANS PACKING CO., Dade City, Fla.

Evans Brand Citrus Pulp

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

Farm Bureau Advancer 16% Pellets  
 Farm Bureau Chick Starter Medicated  
 Farm Bureau Complete Grower Layer Mash or Pellets  
 Medicated  
 Farm Bureau 16% Dairy Ration  
 Farm Bureau Fitting Ration  
 Farm Bureau Milk Replacer  
 Farm Bureau Rabbit Food Pellets  
 Farm Bureau Rabbit Food Pellets Medicated

## FARMERS FEED COMPANY, 375 Johnson Ave., Brooklyn 6, N. Y.

"Bull Brand" Brewers Dried Grains

## FEED SERVICE CORP., Box 270, Berks Siding, Crete, Neb.

Morea Liquid Feed (R) Pre-Mix M-87.5R6

## FISH PRODUCTS COMPANY, Fort Miles Rd., Lewes, Del.

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

## FISH PRODUCTS COMPANY OF NEW JERSEY, Tuckerton, N. J.

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

## FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

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

Burt's Hominy Feed

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

General Mills Adrian Wheat Red Dog  
 General Mills Medicated Poultry SureLift (.011 FRZ)  
 General Mills Medicated Poultry SureLift (.022 FRZ)  
 General Mills Medicated SureLift 16  
 General Mills Medicated SureLift 27 (FRZ)  
 General Mills Poultry Surehatch Complete "H-E" (FRZ) Med.  
 General Mills SureCalf  
 General Mills SureChick  
 General Mills SureChick (ZOL) Medicated  
 General Mills SureGrow Complete "H-E"  
 General Mills SureGrow Complete "H-E" (.0083 ZOL) Med.  
 General Mills SureLay "H-E"  
 General Mills SureLay "H-E" (FRZ-1) Medicated  
 General Mills SureLay Complete "H-E"  
 General Mills SureMilk 14  
 General Mills SureMilk 16  
 General Mills SureMilk 32  
 General Mills SureRaise Medicated (CHL)  
 General Mills SureTasty 16 Pellets  
 General Mills SureTasty 20 Pellets  
 General Mills Wheat Bran with Ground Wheat Screenings  
 General Mills Wheat Middlings with Ground Wheat Screenings  
 Purity Oat Mill By-Product  
 Purity Pulverized White Oats

GLOUCESTER BY-PRODUCTS, INC., State Fish Pier,  
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., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal-Prime Quality

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

Grace Micro Prilled Urea Feed Compound

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

Grandin's Dairy Maid 16  
 Grandin's 14 Fit-Fresh Produce  
 Grandin's 14% Fitting Ration  
 Grandin's Hi-Pro Pellets  
 Grandin's 16 Milk Maker  
 Grandin's 16 Milk Producer  
 Grandin's Pig & Sow Feed  
 Grandin's Summit Test Ration  
 Grandin's Super Complete Grow & Lay (Pellets)  
 Grandin's Super Layer  
 Grandin's Super-Tone

## THE GREAT ATLANTIC &amp; PACIFIC TEA CO., 817-512

Nicollet Bldg., Minneapolis, Minn.

Daily Egg Laying Mash

## GREAT STAR FLOUR MILLS, LTD., St. Marys, Ontario, Canada

Great Star Shorts

## GREEN ACRE FARMS, Nazareth, Pa.

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

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

Pioneer Beef Fitting Ration

Pioneer Calf Starter

Pioneer 16 Dairy

Pioneer 16 Dairy NE

Pioneer Dairy Fitting Feed

Pioneer Dairy Production 16

Pioneer 16 Dairy Production Pellets

Pioneer Dairy Production 18

Pioneer Dry &amp; Freshening

Pioneer 14 High Energy Dairy

Pioneer 14 High Energy Dairy NE

Pioneer Hog Finisher

Pioneer Horse Feed

Pioneer Milk Replacer Medicated

Pioneer 16 Milker Pellets

Pioneer 16 Milker Pellets NE

Pioneer 16 Milker (Riverdale-Southern)

Pioneer Pelleted Flaked 15 Dairy

Pioneer Pig Gro-Pel Medicated

Pioneer Rabbit Pellets

Pioneer Sup-Pel Pellets

Pioneer Vig-R-Calf Medicated

Pioneerway Dry and Freshening

Pioneerway Horse Feed

Red Comb Broiler Finisher

Red Comb Broiler Starter

Red Comb Broiler Starter AM Medicated

Red Comb Chick Starter ZO Medicated

Red Comb Complete Broiler-Type Breeder

Red Comb Complete Grower

Red Comb Complete Layer 15 Medicated

Red Comb Complete Layer 16 Medicated

Red Comb Scratch Feed

Red Comb Turkey Broiler Finisher

Red Comb Turkey Finisher 17

Red Comb Turkey Grower 23

## HAYWARD, INC., Oak Harbor, Ohio

Dehydrated Alfalfa Meal

Dehydrated Alfalfa Meal (17%)

## 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., 500 Rutherford Ave.,  
Boston 29, Mass.

Hood Milk Replacer

Hood Pep-Lac

Hood Whey-Lac

Powdered Skim Milk

## H. P. HOOD &amp; SONS, INC., Dunedin, Fla.

Hood Citrus Pulp

## 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 CORP., 321 Ft. Lee Rd., Leonia, N. J.

Dried Beet Pulp

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

Blackhawk Wheat Bran with Ground Mixed Screenings

Blackhawk Wheat Middlings with Ground Mixed Screenings

Target Wheat Red Dog

## HERMAN ISACS, INC., Bridgeport, Conn.

Hi Test Meat &amp; Bone Meal

## KELLOGG CO. OF CANADA, LTD., Box 517, London, Ont., Can.

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. 1007 Mink Mix

Kellogg's No. 1001 Mink Ration

SPENCER KELLOGG, Division of Textron, Inc., 120 Delaware  
Ave., Buffalo 5, N. Y.Spencer Kellogg's 32% Protein Old Process (Expeller)  
Linseed Meal

## KEYSTONE DEHYDRATORS, Box 204, Nazareth, Pa.

Keystone Super Green Dehydrated Alfalfa Meals with Ethoxyquin

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

(See also Vitamin Carriers)

KAFF-A Booster Pellets

Pace Booster Pellets for Horses, Ponies and Colts

PEX Self Feeder Whey Block for Chickens and Turkeys



- CHARLES A. KRAUSE MILLING CO., 404 East State St.,  
Milwaukee, Wis.  
Badger Yellow Hominy Feed
- KUDER PULP SALES CO., Lake Alfred, Fla.  
Kuder Dried Citrus Pulp, High Sugar
- LAKE STATES YEAST & CHEMICAL, Div. of St. Regis Paper  
Co., 603 W. Davenport St., Rhinelander, Wis.  
Dried Torula Yeast
- LAUHOFF GRAIN CO., Danville, Ill.  
Vermilion Hominy Feed
- LAUHOFF SOYA CO., Danville, Ill.  
44% Protein Solvent Extracted Soybean Oil Meal
- THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.  
Libner's Blue Ribbon Growing Mash  
Libner's Blue Ribbon Horse and Calf Ration  
Libner's Blue Ribbon Milk Egg Mash
- L. B. LOVITT & CO., Memphis, Tenn.  
"LOVIT BRAND" 41% Protein Cottonseed Meal Prime Quality
- MACHNICKI'S GRAIN STORE, Jewett City, Conn.  
Machnicki Calf Starter  
Machnicki's Dry & Fresh  
Machnicki's Hi-Energy All Mash Layer  
Machnicki Hi-Q 16% Dairy  
Machnicki Prime Finisher Medicated  
Master Made Broiler Starter with Amprolium 0.0125%
- MAK MOR CORP., P. O. Box 123, Clinton, Mass.  
Mak Mor 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.  
Dried Beet Pulp  
Molasses Dried Beet Pulp
- MAXON MILLS, INC., Wassaic, N. Y.  
Maxon 16% Dairy  
Maxon 14% Fitting  
Maxon 16% Test  
Maxon 18% Test
- MCCABE GRAIN CO., LTD., 409 Grain Exchange Bldg.,  
Winnipeg 2, Manitoba, Canada  
Ground Mixed Screenings
- THE MENNEL MILLING CO., 128 W. 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 25%  
Glycamide 12%
- MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.  
Choice Steam Cooked Hominy Feed
- MINNESOTA LINSEED OIL CO., Minneapolis 21, Minn.  
32% Protein Solvent Extracted Linseed Meal
- MINUTE MAID CORP., P. O. Box 720, Leesburg, Fla.  
Golden Isle Citrus Pulp
- MOLSON'S BREWERY, LTD., Montreal, Canada  
Molson's Brewers Dried Grains
- GEO. Q. MOON & CO., INC., Binghamton, N. Y.  
Moon Baby Chick Grains  
Moon Complete Laying Mash  
Moon 16% Dairy Ration  
Moon 20% Dairy Ration  
Moon Hog Feed  
Moon Horse Feed  
Moon Laying Mash  
Moon Rabbit Pellets  
Moon Scratch Feed  
Moon Starter Mash
- JAS. F. MORSE & CO., 11 Horace St., Somerville 43, 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., 301 S. Jackson St.,  
Nappanee, Ind.  
Hominy Feed
- NATIONAL ALFALFA DEHYDRATING & MILLING CO.,  
4010 Washington St., Kansas City, Mo.  
Krumbles  
National 18% Hi-N Dehy. Alfalfa Meal (Pellets)  
National 15% Protein Dehy. Alfalfa Meal  
National 20% Dehydrated Alfalfa Meal with Ethoxyquin  
National 17% Protein Dehydrated Alfalfa Meal with Ethoxyquin
- NATIONAL BISCUIT CO., Toledo Mill, 2221 Front St.,  
Toledo, Ohio  
Namico (Reg. U. S. Pat. Office)  
Pure Wheat Bran
- NATIONAL DISTILLERS PRODUCTS CO., Div. of National  
Distillers & Chemical Corp., 99 Park Ave., New York, N. Y.  
Corn Distillers Dried Grains

## NATIONAL DISTILLERS PRODUCTS CO. -Cont.

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

## NATIONAL OATS CO., Cedar Rapids, Iowa

Red-3 Reground Oat Mill By Product

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

Clifton Wheat Bran  
 Jersey Flour Middlings  
 Jersey Wheat Bran

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

(See also Vitamin Carriers)

Nopco Pak Hi Lay Premix Code EZW  
 Nopdex "3000"  
 Nopco Pak Super Premix Code FGY

## NORTH AMERICAN TRADING &amp; IMPORT CO., Philadelphia 2, Pa.

Natico Dry Cane Molasses Product

## 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.

Ogden C. L. Special 15  
 Ogden C. L. Special 16  
 Ogden Complete Chick Starter Medicated  
 Ogden Complete Chick Starter Medicated with Sq. 0.0175  
 Ogden Complete Layer Medicated  
 Ogden Hi Energy Laying  
 Ogden Hi-Energy Laying Mash Medicated  
 Ogden 16% Hi-Kal Dairy Pellets  
 Ogden Hi-Value Complete Layer  
 Ogden Horse Feed  
 Ogden Life Span 15  
 Ogden Life Span 18  
 Ogden Medicated Complete Calf Starter  
 Ogden Milk Replacer  
 Ogden Premium Dry & Freshening Ration  
 Ogden Premium 20% Milk Ration  
 Ogden Premium 16 Pel-Flake  
 Ogden Premium 18 Pel-Flake  
 Ogden Premium Test Cow 16  
 Ogden Premium 18% Test Cow Ration  
 Ogden RS 10 Roughage Supplement  
 Ogden Rabbit Pellets  
 Ogden Reliable 16% Dairy Ration  
 Ogden Reliable Fitting Ration  
 Ogden Scratch Grains  
 Ogden Super Hi-Energy Laying Feed  
 Super Pig Ration

## OHIO BLENDERS, INC., 2404 Summit St., Toledo 11, Ohio

Big "O" Dehydrated Alfalfa

OLIN MATHIESON CHEMICAL CORP., 10 Light St.,  
Baltimore, Md.

Urea - Feed Compound

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

Cane Molasses

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

O-Mi-O Citrus Pulp  
 Sugar Sweet Citrus Pulp

## PATENT CEREALS CO., Geneva, N. Y.

Hominy Feed

## PENICK &amp; FORD LTD., INC., Cedar Rapids, Iowa

Douglas Corn Gluten Meal  
 21% Protein Douglas Corn Gluten Feed

PENNSYLVANIA HIDE & RENDERING CO., Div. of The Van  
Iderstine Co., P. O. Box 127, Avoca, Pa.

Pennsylvania Meat and Bone Scraps

THE PHILADELPHIA SEED CO., INC., P. O. Box 934,  
Philadelphia 5, Pa.

Pigeonets by PURGRAIN

## THE PILLSBURY CO., Minneapolis, Minn.

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

## PILLSBURY CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

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

Paco Molasses Distillers Dried Solubles

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

Ful-O-Pep Calf Ration  
 Ful-O-Pep Calf Starter  
 Ful-O-Pep Chick Starter  
 Ful-O-Pep Chick Starter (Q2)  
 Ful-O-Pep Derwood Horse Crunch  
 Ful-O-Pep Egg Breeder Mash  
 Ful-O-Pep Egg Breeder Ration  
 Ful-O-Pep Gro-Pork (280K)  
 Ful-O-Pep Growing Mash  
 Ful-O-Pep Growing Mash (Q3)



## THE QUAKER OATS CO. -Cont.

Ful-O-Pep Growing Ration  
 Ful-O-Pep Growing Ration Q1  
 Ful-O-Pep Horse Feed  
 Ful-O-Pep Laying Mash  
 Ful-O-Pep Laying Ration  
 Ful-O-Pep Medicated Super Greens Pellets (C2D1)  
 Ful-O-Pep Pig-N-Sow Ration  
 Ful-O-Pep Pig Starter (K)  
 Ful-O-Pep Pullet Developer  
 Ful-O-Pep Pullet Developer (Q1)  
 Ful-O-Pep Rabbit Ration (C4)  
 Ful-O-Pep Super Egg Breeder Ration (A)  
 Ful-O-Pep Super Greens Pellets  
 Ful-O-Pep Super Laying Ration (A) Medicated  
 Ful-O-Pep Super Milking Feed  
 Ful-O-Pep Super Milking 32  
 Muffets Shredded Wheat Feed  
 Quaker Sugared Schumacher Feed  
 Vim Oat Mill By-Product  
 Yellow Hominy Feed S

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

Aureomycin Etts  
 Checkerboard Pasture Ration L  
 Custom Breeder  
 Custom Developer  
 Custom Developer ZO Medicated  
 Custom Grower  
 Custom Grower ZO Medicated  
 Northeastern Scratch Feed  
 41% Protein Solvent Extracted Cottonseed Meal  
 44% Protein Solvent Extracted Soybean Oil Meal  
 50% Protein Dehulled Solvent Extracted Soybean Meal  
 Purina All-In-One Horse Chow  
 Purina B & M Cow Chow G  
 Purina Baby Pig Chow Medicated  
 Purina Breeder Eggena NE  
 Purina Breeder Layena  
 Purina Broiler Chow Medicated  
 Purina Broiler Chow MP Medicated  
 Purina Broiler Chow Finisher (E) No. 1  
 Purina Broiler Chow Finisher (E) No. 1 AB Medicated  
 Purina Broiler Chow Finisher (E) No. 1 AB MP Medicated  
 Purina Broiler Chow Finisher (E) No. 1 MP Medicated  
 Purina Broiler Chow Finisher No. 1 Medicated  
 Purina Broiler Chow Finisher No. 1 AB Medicated  
 Purina Broiler Chow Finisher No. 1 AB MP Medicated  
 Purina Broiler Chow Finisher No. 1 MP Medicated  
 Purina Broiler Chow Finisher No. 2  
 Purina Broiler Chow Finisher No. 1 Medicated with .007%  
 Dienestrol Diacetate  
 Purina Broiler Chow Finisher No. 1 BI Medicated with  
 .007 Dienestrol Diacetate Mixture

## RALSTON PURINA CO. -Cont.

Purina Broiler Chow Finisher No. 1 E Medicated with  
 .007 Dienestrol Diacetate  
 Purina Broiler Chow Finisher No. 1 E BI Medicated with  
 .007 Dienestrol Diacetate Mixture  
 Purina Broiler Chow Starter Medicated  
 Purina Broiler Chow Starter MP Medicated  
 Purina Broiler Chow Starter NC Medicated  
 Purina Bulky Las  
 Purina Calf Startena  
 Purina Calf Startena (Coarse)  
 Purina Capena MP Medicated  
 Purina Chick Chow (Coarse)  
 Purina Chick Chow (Fine)  
 Purina Chick Growena  
 Purina Chick Growena ZO Medicated  
 Purina Chick Growing Chow  
 Purina Chick Startena  
 Purina Chick Startena ZO Medicated  
 Purina Chick Startena ZO-V Medicated  
 Purina Complete Sow Chow  
 Purina Cow Chow Concentrate G  
 Purina Cow Chow Concentrate 36%  
 Purina Cow Chow D (B) 16%  
 Purina Cow Chow D 20%  
 Purina Cow Chow D (U) 16%  
 Purina Cow Chow D (U) 20%  
 Purina D & F Chow (Coarse)  
 Purina Dairy Chow L 14% (Coarse)  
 Purina Dairy Chow L 16%  
 Purina Duck Growena B  
 Purina Egg Chow T  
 Purina Eggena  
 Purina Eggena NE  
 Purina Fox Chow  
 Purina Game Bird Breeder Layena (Complete Ration) 5438  
 Purina Game Bird F & M Chow  
 Purina Game Bird Finisher  
 Purina Game Bird Startena  
 Purina Goat Chow (Coarse)  
 Purina Goat Chow (Checkers)  
 Purina Hen Chow D  
 Purina Hog Finisher No. 1 Medicated  
 Purina Horse Chow Checkers  
 Purina Hygromix<sup>R</sup>  
 Purina Lay Chow  
 Purina Layena  
 Purina Medicated Chek-R-Aid  
 Purina Medicated D & F Chow D (Coarse)  
 Purina Medicated Mix-R-Mycin  
 Purina Medicated Poultry Aid  
 Purina Milk Chow D 16%  
 Purina Milk Chow D 16% (Coarse)  
 Purina Milk Chow D 20%

## RALSTON PURINA CO. -Cont.

Purina Milk Chow D 20% (Coarse)  
 Purina Mink Breeder Chow  
 Purina Mink Cereal  
 Purina Mink Developer Chow  
 Purina Mink Developer Chow SF  
 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 (R) Pullet Developer B  
 Purina Pullet Developer F  
 Purina Pullet Developer (F) ZO  
 Purina Rabbit Chow Checkers  
 Purina Rabbit Chow Checkers (20%)  
 Purina Rabbit Chow Checkers NF SQ Medicated  
 Purina Range Checkers  
 Purina Range Mineral Block  
 Purina Roaster Chow MP Medicated  
 Purina Roaster Chow  
 Purina Roaster Chow B I Medicated with Dienestrol  
     Diacetate Mixture  
 Purina Roaster Chow NC Medicated with Dienestrol  
     Diacetate Mixture  
 Purina Silage Preserver  
 Purina Silage Preserver D  
 Purina Special Steer Fatena 32%  
 Purina Squab Broiler Chow Medicated  
 Purina Squab Broiler Chow MP Medicated  
 Purina Squab Broiler Chow NC Medicated  
 Purina Strepto-Pen-25  
 Purina Super Layena  
 Purina Turkey Breeder Layena  
 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 Pre-Starter  
 Purina Turkey Pre-Starter NF Medicated  
 Purina Turkey Startena  
 Purina Turkey Startena HS Medicated  
 Soybean Hulls  
 Wheat Middlings 388

READING MILLING CO., INC., 1847 Centre Ave., Reading, Pa.

Faramel All Mash Layer  
 Faramel Rabbit Food Pellets

RUSSELL MILLER-KING MIDAS MILLS, Milling Div. of F. H. Peavey & Co., Minneapolis 15, Minn.

Occident Wheat Bran  
 Occident Wheat Germ Meal  
 Occident Wheat Middlings with Ground Wheat Screenings  
 Occident Wheat Red Dog  
 Occident Wheat Shorts with Ground Wheat Screenings

SALADA-SHIRRIFF-HORSEY 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  
 Wolf's Complete Hi-Eff Profit Builder Medicated  
 Wolf's Complete Hi-Eff Profit Builder Medicated with  
     Arsanilic Acid 0.0099 & Sulfaquinoxaline 0.0175  
 Wolf's 16% Dairy Pellets  
 Wolf's 14% Dairy Ration  
 Wolf's 16% Dairy Ration  
 Wolf's Dry & Freshening Ration  
 Wolf's Finisher Ration Medicated  
 Wolf's Hi-Speed Starter & Broiler Ration Medicated  
 Wolf's Hi-Speed Starter & Broiler Ration Medicated  
 Wolf's Horse Feed  
 Wolf's Medicated Complete Hi-Eff Profit Builder  
 Wolf's Medicated Poultry Booster  
 Wolf's Performo-Las  
 Wolf's Pig and Hog Feed  
 Wolf's 16% Test Ration  
 Wolf's 18% Test Ration

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

Corn Germ Meal (Dry Milled)  
 Schenley Mark of Merit Corn Distillers Dried Grains with  
     Solubles  
 Schenley Mark of Merit Rye Distillers Dried Grains with  
     Solubles  
 Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Pa.

Schoeneck's Super-Green Dehydrated Alfalfa Meal

SEA BOARD SUPPLY CO., 35th & Gray's Ferry, Philadelphia, Pa.

Dried Tomato Pomace

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

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

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

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

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

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

SEYMOUR GRAIN & COAL CO., Seymour, Conn.

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

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

Sherwin-Williams 32% Linseed Meal (Solvent Extracted)  
Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted)  
Sherwin-Williams 44% Protein Soybean Meal

SHERWOOD FEED MILLS, INC., 500 President St., Baltimore 2,  
Md.

Brewers Dried Grains

DAVID SMALL, East Hartford, Conn.

David Small's Goose Starter DS 12

SOUTHERN FRUIT DISTRIBUTORS, P. O. Box 8367, Orlando, Fla.

Bluebird Citrus Pulp

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

Rockland Guinea Pig Diet  
Rockland Mouse Breeder Diet  
Rockland Rabbit Ration  
Staley's 21% Corn Gluten Feed  
Staley's Hi-Pro-Con 50% Protein Dehulled Solvent Extracted  
Soybean Meal  
Staley's 44% Protein Solvent Extracted Soybean Meal

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.

Sweet Suni-Citrus Pulp

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

UMC Wheat Bran - Pure Wheat Bran  
UMC Wheat Middlings (With Ground Screenings not  
exceeding Mill Run)

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

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

TROPICANA PRODUCTS, INC., P. O. Box 338, Bradenton, Fla.

Tropicana's Sweetest Dried Citrus Pulp

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

34% Protein Solvent Extracted Linseed Meal  
Ultra-Life Beef-Gro  
Ultra-Life Broiler-Gro  
Ultra-Life Broiler-Gro Medicated (3-Nitro)  
Ultra-Lifed Calf Food Pellets Medicated  
Ultra-Life Freshertone  
Ultra-Life Hi Dee 7  
Ultra-Life High Energy Poultry  
Ultra-Life Livestock  
Ultra-Life Pig-Gro  
Ultra-Life Poul-Centrate  
Ultra-Life Ru-M-Tone Medicated  
Ultra-Life Turkey-Gro

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

CO-OP Hi NRG Egg Maker  
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 Grower Medicated  
UCF Hi NRG All Mash Layer  
UCF Hi NRG Broiler Finisher  
UCF Hi NRG Broiler Finisher Medicated  
UCF Hi NRG Broiler Starter Medicated  
UCF Hi NRG Starter Medicated with Sulfaquinoxaline 0.015  
UCF Hi NRG Starter Medicated with Zoalene 0.0083%  
UCF Horse Feed  
UCF Layer  
UCF Booster - 100 Medicated  
UCF Booster NF 100 Medicated  
UCF Medicated Booster-100  
UCF Medicated Booster-200  
UCF Medicated Booster NF 200  
UCF Medicated Hi-Po 200



## UNITED CO-OPERATIVE FARMERS, INC. -Cont.

UCF Milk Replacer  
 UCF Pig & Hog Feed  
 UCF Sheep Creep Ration  
 UCF Succulent Dairy

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

Unity Breeder Mash  
 Unity Broiler Starter Medicated  
 Unity Dairy and Fitting Ration  
 Unity 16% Dairy Ration  
 Unity Growing and Laying Mash  
 Unity High Energy Breeder Mash  
 Unity High Energy Laying Mash  
 Unity Improved Calf Ration  
 Unity Medicated Booster  
 Unity Milkets  
 Unity Pig & Hog Ration  
 Unity Super Starter Medicated  
 Unity Trim Medicated  
 Unity Turkey and Game Bird Growing Mash

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

Superior Cow Brand Dried Brewers Grains

## GEORGE URBAN MILLING CO., 332 N. Oak St., Buffalo, N. Y.

Wheat Standard Middlings with Ground Screenings not  
 exceeding Mill Run

## HIRAM WALKER &amp; SONS, INC., Peoria, Ill.

Corn Distillers' Dried Grains with Solubles

## WILLIAM S. WARREN &amp; SON, Eastford, Conn.

Warren's Calf Starter  
 Warren's Complete Laying and Growing Mash  
 Warren's Dairy Fitting Ration  
 Warren's 16% Dairy Pellets (No. 1)  
 Warren's 20% Dairy Pellets (No. 1)  
 Warren's 16 Dairy Ration  
 Warren's Milk Maker 15 Dairy Ration  
 Warren's Test Cow 16% Dairy

THE WATERTOWN COOPERATIVE ASS'N., INC., 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 SQ Medicated  
 Blue Seal C-4 Broiler Medicated  
 Blue Seal C-5 Finisher Medicated Pellets  
 Blue Seal Calf Starter  
 Blue Seal Chick Feed

## H. K. WEBSTER CO. -Cont.

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 Dairy Nuggets  
 Blue Seal Egg Mash  
 Blue Seal Fat & Finish Ration Pellets  
 Blue Seal Fitting Ration  
 Blue Seal Goat Feed  
 Blue Seal 770 Grower  
 Blue Seal 770 Grower SQ  
 Blue Seal Horse Feed  
 Blue Seal Ket-O-Pels Medicated  
 Blue Seal 880 Layer  
 Blue Seal Layettes  
 Blue Seal Medicated CW-Mix  
 Blue Seal Medicated NF-Mix  
 Blue Seal Medicated ORO Chick P/F  
 Blue Seal Medicated ORO-Mix  
 Blue Seal Medicated SQ Mix Crumbles  
 Blue Seal Milk Replacer  
 Blue Seal Milkers' Sixteen  
 Blue Seal Milkers' Twenty  
 Blue Seal Pig Feed Medicated  
 Blue Seal Poultry and Turkey Fitting  
 Blue Seal Poultry Wormer Crumbles  
 Blue Seal Producer's Grow & Lay  
 Blue Seal Rabbit Pellets  
 Blue Seal Standard "14" Fitting Ration  
 Blue Seal Standard 16 Dairy Ration  
 Blue Seal Standard 20 Dairy Ration  
 Blue Seal Succulent Feed and Calving Ration  
 Blue Seal Super Breeder's Mash Medicated  
 Blue Seal Test Ration  
 Blue Seal Turkey Growing  
 Blue Seal Turkey Growing Medicated  
 Blue Seal Turkey Starter Medicated

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

Cream-Line Dairy-Test Ration  
 Cream-Line 16% Pellets  
 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 Dairy-Test Ration  
 Pure Feed Egg & Breeder  
 Pure Feed Egg Maker  
 Pure Feed 14% Fitting Ration  
 Pure Feed Grower  
 Pure Feed Horse Ration

## WEST-NESBITT, INC. -Cont.

Pure Feed Roaster Finisher Medicated  
 Pure Feed Starter Medicated  
 Pure Feed Sweet "16"  
 Pure Feed Sweet "20"  
 Pure Feed Swine Ration  
 Pure Feed Turkey Finisher  
 Pure Feed Turkey Grower  
 Pure Feed Turkey Starter Medicated  
 West-Nesbitt Milk Replacer

## A. C. WETHERELL, Suffield, Conn.

Special Dairy Mixture No. 3

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

Brewers Dried Grains

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

Wilson's Hominy Feed

WINTER GARDEN CITRUS PRODUCTS CO-OPERATIVE,  
Winter Gardens, Fla.

Wholesun Dried Citrus Pulp

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

Apex 16% Dairy Feed  
 Big W All Pellet 16 Dairy Feed  
 Big W All Pellet 20 Dairy Feed  
 Big W 16% Dairy Feed  
 Big W 20% Dairy Feed  
 Big W Silage Preservative  
 Big W Silage Preservative with Zinc Bacitracin  
 O. P. M. Scratch  
 Producer All Pellet 16 Dairy Feed  
 Wirthmore Baby Chick Scratch  
 Wirthmore Breeder Mash  
 Wirthmore Cage Layer Medicated  
 Wirthmore Calf Starter  
 Wirthmore Calving Feed  
 Wirthmore Chick Starter  
 Wirthmore Chick Starter A-Medicated  
 Wirthmore Chick Starter Medicated  
 Wirthmore Coarse Test Dairy Feed  
 Wirthmore Coccidiosis Treatment Ration Medicated  
 Wirthmore Commercial Hi-Ener-G Breeder Medicated  
 Wirthmore Complete Growing Ration  
 Wirthmore Complete Growing Ration Medicated  
 Wirthmore Complete Turkey Breeder Ration  
 Wirthmore Complete Turkey Fattening Ration  
 Wirthmore Complete Turkey Fattening Ration Medicated  
 Wirthmore Complete Turkey Growing Ration  
 Wirthmore Complete Turkey Growing Ration Medicated  
 Wirthmore 32 Dairy Concentrate  
 Wirthmore 14 Dairy Feed

## WIRTHMORE FEEDS INC. -Cont.

Wirthmore 16 Dairy Feed  
 Wirthmore 20 Dairy Feed  
 Wirthmore 36% Dairy Mixing Feed  
 Wirthmore 32 Dairy Supplement  
 Wirthmore .007% Dienestrol Diacetate Mixture in  
 Wirthmore Finisher Medicated  
 Wirthmore Duck Growing 452A  
 Wirthmore Fodder Greens  
 Wirthmore Game Bird Grower Ration  
 Wirthmore Game Bird Starter Medicated  
 Wirthmore Grow & Egg Mash  
 Wirthmore Grow & Egg Mash Medicated  
 Wirthmore Hi-Cal Broiler Finisher A-Medicated  
 Wirthmore Hi-Cal Broiler Starter A-Medicated  
 Wirthmore 14 Hi-Cal Pellets Dairy Feed  
 Wirthmore 16 Hi-Cal Pellets Dairy Feed  
 Wirthmore 18 Hi-Cal Pellets Dairy Feed  
 Wirthmore Hi-Cal Roaster Finisher A-Medicated  
 Wirthmore Hi-Ener-G 16  
 Wirthmore Hi-Ener-G Breeder Medicated  
 Wirthmore Hi-Ener-G Broiler Ration  
 Wirthmore Hi-Ener-G Broiler Nicarb-Arsan A-Medicated  
 Wirthmore Hi-Ener-G Broiler Ration 140A Medicated  
 Wirthmore Hi-Ener-G Layer Medicated  
 Wirthmore Hog Grower  
 Wirthmore Horse Feed  
 Wirthmore Horse Perkies  
 Wirthmore Meatless Mink Food  
 Wirthmore Medicated Ketrol  
 Wirthmore Medicated 200 Pellets Dairy Feed  
 Wirthmore Medicated Pig Zip  
 Wirthmore Medicated Quick Perk  
 Wirthmore Medicated Quickies  
 Wirthmore Medicated Treat  
 Wirthmore Medicated Turk-E-Perk  
 Wirthmore Milk Mizer  
 Wirthmore Mink Food  
 Wirthmore New Hope Horse Feed  
 Wirthmore Original New Hope Horse Feed  
 Wirthmore Pig and Sow Feed  
 Wirthmore 36% Poultry Concentrate  
 Wirthmore Poultry Fitting  
 Wirthmore Poultry Wormer  
 Wirthmore 16 Pro-Cal Pellets Dairy Feed  
 Wirthmore Rabbit Pellets  
 Wirthmore Rabbit Pellets Medicated  
 Wirthmore 16 Record Dairy Feed  
 Wirthmore 18 Record Dairy Feed  
 Wirthmore 14 Record Fitting and Calving Feed  
 Wirthmore 14 Record Fitting Feed  
 Wirthmore Roaster Finisher 426 Medicated  
 Wirthmore Roaster Finisher A 176A - Medicated  
 Wirthmore Scratch  
 Wirthmore Stable Mate Complete Horse Feed



## WIRTHMORE FEEDS INC. -Cont.

Wirthmore Stock Primer  
 Wirthmore Super Pellets  
 Wirthmore Track 'N Trail Horse Feed  
 Wirthmore Turkey Growing Ration  
 Wirthmore Turkey Growing Ration 323A Medicated  
 Wirthmore Turkey Starter Medicated  
 Wirthmore Twin-Mix Calf Feed  
 Wirthmore 16 Ultra-Cal Pellets Dairy Feed

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

Big Y Calf & Beef Ration  
 Big Y Calf Starter and Builder  
 Big Y Calving Ration  
 Big Y Cavalier Horsefeed  
 Big Y Chick Scratch Grain  
 Big Y Chlortetracycline Mixture  
 Big Y Complete Grower-Layer Mash  
 Big Y Confinement Growing Mash  
 Big Y Controlled Growing Ration  
 Big Y Dairy and Fitting Ration  
 Big Y 16% Dairy Ration  
 Big Y 18% Dairy Ration  
 Big Y 20% Dairy Ration  
 Big Y Dairy Supplement 32%  
 Big Y Energized 16 Dairy Feed  
 Big Y Extra Production Laying Mash  
 Big Y Extra Production Laying Mash Medicated  
 Big Y Hi-Efficiency Breeder Ration  
 Big Y High Efficiency Grower  
 Big Y High Efficiency Grower Medicated  
 Big Y Hi-Efficiency Laying Mash  
 Big Y Hi-Efficiency Laying Mash Medicated FZ 0.0055  
 Big Y Hi-Efficiency Laying Mash Medicated FZ 0.022  
 Big Y Hi-G Dairy Ration  
 Big Y Hi-G Scratch Feed  
 Big Y Histostat Mixture Mixed with Big Y Turkey Fattener  
 Big Y Histostat Mixture Mixed with Big Y Turkey Growing Feed (Pellets)  
 Big Y Hog & Pig Ration  
 Big Y Horse Feed  
 Big Y Improved Al-Mo  
 Big Y Improved Broiler Finisher Medicated -Ampr. 0.0125  
 Big Y Improved Broiler Finisher Medicated -Dien. Diac.0.007  
 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 & O Growing Feed  
 Big Y M & O Growing Feed Medicated  
 Big Y Peerless Broiler Ration Medicated  
 Big Y Poultry Fitting Ration  
 Big Y Powerhouse Crumbles Medicated  
 Big Y Producto Pels

## THE YANTIC GRAIN &amp; PRODUCTS CO. -Cont.

Big Y 16 Purity Dairy Ration  
 Big Y Rabbit Pellets  
 Big Y Rabbit Pellets SQ Medicated  
 Big Y Scratch Feed  
 Big Y Sheep and Goat Feed  
 Big Y Station Fattener Pellets  
 Big Y Stock Feed  
 Big Y Super Starter-Broiler Ration  
 Big Y Super Starter Ration Medicated  
 Big Y Supreme Laying Mash  
 Big Y Test Cow Ration  
 Big Y Turkey Fattener  
 Big Y Turkey Growing Feed  
 Big Y Turkey Growing Feed (Pellets) Medicated  
 Big Y Worming Mash

## YIELDMOR FEEDS, INC., Piqua, Ohio

David Small's Broiler Feed (Medicated) DS-31  
 David Small's Chick Starter DS-27  
 David Small's Finisher Pellets DS-28  
 David Small's Finishing Feed (Medicated) DS-32  
 David Small High Energy Breeder DS-29  
 David Small Sex Link Layer Mash DS-30  
 .0023% Dienestrol Diacetate with .0125% Nicarbazin in  
 Yieldmor Caponette Feed  
 Yieldmor Broiler Booster Medicated M-25  
 Yieldmor Duck Grower M15  
 Yieldmor Pullet Developer C46  
 Yieldmor 24% Super Broiler Medicated B-11  
 Yieldmor Super Finisher Pellets Medicated

## MEYER ZAUSNER, INC., New Holland, Pa.

Zausner Condensed Whole Whey

## VITAMIN 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 CO., Division of Milk Specialties, Inc.,  
260 S. Washington, Dundee, Ill.

(See also Feeds)

Dari-Dri Baby Calf Formula

- DAWE'S LABORATORIES, INC., 4800 So. Richmond St.,  
Chicago, Ill.  
Dawe's Fermentation Flavonne No. 1  
Special Broiler Mix No. 571-D
- DAWNWOOD FARMS, Smithfield Rd., Amenia, N. Y.  
(See also Feeds)  
Dawnwood Farms Hi-Fat Milk Replacer Caf-Star Formula  
Feed for Calves
- DREW CHEMICAL CORP., Boonton, N. J.  
Vitandry "3000"
- EASTERN STATES FARMERS' EXCHANGE, INC., 26 Central St.,  
West Springfield, Mass.  
(See also Feeds)  
Calf Saver Tablets
- JOHN EWING CO., La Salle, Col.  
Formula 707 Conditioner
- THE RAY EWING CO., 2690 E. Foothill Blvd., Pasadena, Cal.  
All Mash Pre-Mix
- THE FOX CO., Newfield, N. J.  
Foxco Qualadee A & D Feeding Oil
- INTERNATIONAL STOCK FEED CORP., 533 Broad St.,  
Waverly, N. Y.  
I-S-F Cattle Special
- KRAFT FOODS, Div. of National Dairy Prod. Corp., 99 Park  
Ave., New York 16, N. Y.  
(See also Feeds)  
KAFF-A Milk Replacer for Calves Medicated  
Pace Booster Pellets for Horses, Ponies and Colts  
PEX Condensed for Poultry  
PEX High Lay Pellets for Layers & Breeders  
PEX Self Feeder Block for Poultry
- MARINE PRODUCTS CO., Boston, Mass.  
Finest Veterinary Cod Liver Oil
- MERCK & CO., INC., Rahway, N. J.  
(See also Feeds)  
No. 659 Vitamin Mixture  
No. 1061 Feed Supplement
- MYZON, INC., 3129 W. 47th St., Chicago 32, Ill.  
Myzon Calf Builder  
Myzon Poultry Builder

- NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave. So.,  
Minneapolis 6, Minn.  
Calvita Calf Formula
- NEW ENGLAND BY PRODUCTS CORP., 177 Milk St.,  
Boston, Mass.  
New Englander Vitamin "A" & "D" Feeding Oil
- NOPCO CHEMICAL CO., 60 Park Place, Newark, N. J.  
(See also Feeds)  
Nopco Pak Hi Lay Premix Code EZW  
Nopco Pak Super Premix Code FGY  
Nopdex "3000"
- CHAS. PFIZER & CO., INC., 235 East 42nd St., New York, N. Y.  
High Lay Premix  
R-4
- STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N. J.  
Cod Liver Oil with added Vitamin A and D  
Perma-D-3000  
Permadry 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  
Perma Mix 2-4-9-10  
Vitaron Vitamin A & D Feeding Oil
- STANDARD BRANDS INCORPORATED, Special Products Division,  
Agricultural Dept., 625 Madison Ave., New York 22, N. Y.  
Fleischmann's FIDY Type 142-F Irradiated Dry Yeast
- SYNTHA LABORATORIES, West Alexandria, Ohio  
Special All Mash Premix
- TRI ASSOCIATES, INC., 8500 Pillsbury Ave. So.,  
Minneapolis, Minn.  
Tri's Grade A Brand Milk Replacer - Medicated
- WHITMOYER LABORATORIES, INC., Myerstown, Pa.  
Derby All Purpose Premix  
Flav-A-Dee  
Machnicki Premix No. 2A  
Whitmoyer 150D - 1500A Pure Cod Liver Oil

In the calendar year 1962, a total of 1,264 samples - 325 less than the previous year - was examined. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	135
Check feeds, A. A. F. C. O., etc.	13
Commercial feeding stuffs, official samples	689
Miscellaneous feeds, etc., analyzed for purchasers	75
Pasture grass and feedstuffs for Storrs Station	291
Vitamin carriers	61
	<hr/>
	1,264

Samples examined for Storrs Station are 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		689
Samples deficient in:		
one item	47	
two items	3	50
Percentage of samples meeting guaranties		93
Total guaranties made		2,205 <sup>2</sup>
Guaranties not met:		
protein		24
fat		21
fiber		7
amprolium		5
arsanilic acid		4
furazolidone		3
Nicarbazin		5
4-nitrophenylarsonic acid		3
Phenothiazine		2
sulfaquinoxaline		7
		81
Percentage of guaranties met		96

The proportion of samples meeting all guaranties was higher than in the two previous years (93 as against 88-87 per cent), but the overall percentage of satisfactory guaranties has remained the same since 1959.

<sup>2</sup>Fourteen samples with five guaranties, 126 with four guaranties, 543 with three guaranties, one with two guaranties, and five with no guaranty (guaranties for undetermined medicants not included).



Analyses are given in Table 2; deficiencies are shown by wavy underlining (~~~~). Tolerances used were 0.75 per cent for protein and fiber, 0.25 per cent for fat, and  $\geq 20$  per cent of guaranty for drugs.

#### Vitamin Carriers

Fifty-seven samples of vitamin D carriers were assayed for this vitamin by the A. O. A. C. chick assay method. Thirteen of these samples also guaranteed, and were assayed microbologically for, calcium pantothenate, niacin and riboflavin; results for these vitamins are included in Table 2 under the respective samples. This table also lists four samples that were assayed for calcium pantothenate, niacin and riboflavin but not for vitamin D.

All except five of the vitamin D samples fully met their guaranties for this vitamin - a passing ratio of 91 per cent.

On the basis of  $\geq 20$  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 and niacin	1	
Niacin and riboflavin	2	
Calcium pantothenate	1	
Niacin	1	5

Of the total of 61 samples, 51, or 84 per cent met all guaranties.

#### Miscellaneous Feeds

Seventy-five 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 whose analysis was requested by farmers, and miscellaneous materials suspected of having poisoned livestock or pets. One sample of hay was submitted by the State Department of Agriculture, and one of canary seed was examined for the Department of Consumer Protection.

No deleterious substance was found in any commercial feed, with the possible exception of two samples of a dog food that contained respectively ten parts per million and a trace of chromium. One sample of sorghum silage gave a positive test for cyanide. Analysis of another silage sample that was three years old showed 0.17 per cent of propionic acid and 1.71 per cent of butyric acid, indicating that the silage was unfit for feeding.

As a result of a complaint of a poultryman that one particular lot of a broiler feed was abnormally green and caused the droppings of his birds to be wet, we made microscopic examinations of five samples of this lot, two of which were taken by our agent. The official samples showed an average of 42 per cent alfalfa, as against only one per cent in two normal samples.

Analysis of the hay sample submitted by the State Department of Agriculture showed 0.67 part per million of DDT. This proportion was so low as to make the hay definitely acceptable for feeding to beef cattle or horses. In the light of the evidence of Sweig, Smith, Peoples and Cox<sup>3</sup>, that 0.5 p.p.m. of DDT in the feed produced no carryover of this pesticide into the milk it was possible that the hay could even have been fed to dairy cows.

#### Biological Specimens Examined for Poisons

One hundred and thirty-five biological specimens (of which the great majority came from veterinarians) mostly of domestic animals and poultry, were submitted for examination because of suspected poisoning. In 37 of them poisonous substances were in sufficient quantity to suggest possible causes of illness or death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Chromium(2); DDT and TDE(10); lead(9); lead with zinc(1); mercury(5); mercury with zinc(1); phenothiazine(1); strychnine(1); thallium(2); unidentified alkaloids(2); urea(1); wild cherry(1) and zirconium(1).

The ten cases involving the insecticide DDT and its metabolic product TDE (which is itself used as an insecticide) included six osprey eggs (79-149 micrograms of TDE per egg) and one each of a brook trout (17 parts per million DDT), an insect (a cicada killer, 334 p.p.m. DDT), a robin (26 p.p.m. DDT) and a snake (27 p.p.m. DDT). The osprey eggs were submitted by Mr. Peter Ames of the Peabody Museum of Natural History of Yale University in connection with a biological study.

The urea poisoning case was that of a calf which had eaten a fertilizer that analysis showed to be 94 per cent urea. The sample in which zirconium was found was a specimen of skin tissue from the mastoid region of a girl, submitted by the pathologist of the Danbury Hospital; 23 parts per million of this element were present.

#### Check Feeds

Eleven feeds were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and phosphorus was determined on two other samples in connection with a collaborative study of a colorimetric method being conducted by the Association of Official Agricultural Chemists.

<sup>3</sup>J. Agr. Food Chem., 9, 481 (1961)

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Mois- ture	Protein (N x 6.25)	
			Guaran- teed not less than	Found
	ACME-EVANS CO., INC. Indianapolis, Ind.			
7306	Acme Wheat Bran	14.32	14.00	14.00
8246	Acme White Hominy Feed	11.51	9.0	10.00
	ALBERS MILLING CO., Div. of Carnation Co., Los Angeles 36, Cal.			
7619	Albers Calf Manna	10.23	25.00	26.25
7420	Albers Rabbit Breeder Paks	10.92	15.00	17.75
7620	Albers Sho-Glo	10.89	22.00	22.00
7421	Albers Suckle	7.86	24.00	24.25
	AMERICAN CRYSTAL SUGAR CO., Denver, Col.			
7778	Dried Beet Pulp with Beet Molasses	9.61	9.50	9.50
7751	Plain Dried Beet Pulp	10.50	8.50	9.00
	AMERICAN CYANAMID CO., Princeton, N. J.			
8113	Aureomycin Crumbles	9.21	15.00	16.25
8231	Cyrea Urea Feed Compound		262.00	254.00
	ATLANTIC PROCESSING CO., Amagansett, N. Y.			
8203	Smith's Life Line Fish Meal	7.02	60.00	65.50
	BARBER & BENNETT, INC., Albany, N. Y.			
7596	Fort Orange All Mash Grower	11.83	16.00	16.00
7594	Fort Orange Growing Mash	11.47	20.00	20.25
7593	Fort Orange Laying Mash	10.73	20.00	20.00
7595	Fort Orange Pig & Hog Feed	11.46	15.00	15.00
7597	Fort Orange Turkey Grower	11.62	25.00	25.00
	BEACON MILLING CO., Div. of Textron, Inc., Cayuga, N. Y.			
8650	Beacon Broiler Finisher AP Med.	10.96	20.00	21.75
7728	Beacon Calf Grow	11.76	17.00	17.50
7729	Beacon Dairy Fitting Pel-ets	11.42	14.00	15.50
8051	Beacon Egg Check A Medicated	9.42	15.00	15.00

INSPECTION OF 1962

Station No.	Manufacturer and brand	Fat		Fiber		Medicants
		Guaran- teed not less than	Found	Guaran- teed not more than	Found	
	ACME-EVANS CO., INC. Indianapolis, Ind.					
7306	Acme Wheat Bran	3.00	3.61	9.50	6.61	
8246	Acme White Hominy Feed	7.00	7.14	6.00	3.59	
	ALBERS MILLING CO., Div. of Carnation Co., Los Angeles 36, Cal.					
7619	Albers Calf Manna	3.00	3.56	6.00	5.45	
7420	Albers Rabbit Breeder Paks	2.00	2.24	22.00	19.55	
7620	Albers Sho-Glo	5.00	6.20	7.00	4.69	
7421	Albers Suckle	5.00	7.76	1.00	0.55	
	AMERICAN CRYSTAL SUGAR CO., Denver, Col.					
7778	Dried Beet Pulp with Beet Molasses	0.30	0.50	19.00	15.05	
7751	Plain Dried Beet Pulp	0.30	0.50	22.00	18.72	
	AMERICAN CYANAMID CO., Princeton, N. J.					
8113	Aureomycin Crumbles	4.00	4.38	24.00	24.56	
8231	Cyrea Urea Feed Compound					
	ATLANTIC PROCESSING CO., Amagansett, N. Y.					
8203	Smith's Life Line Fish Meal	5.00	8.66	3.00	0.23	
	BARBER & BENNETT, INC., Albany, N. Y.					
7596	Fort Orange All Mash Grower	4.00	4.01	4.50	4.23	
7594	Fort Orange Growing Mash	3.50	3.52	4.50	3.91	
7593	Fort Orange Laying Mash	4.00	4.13	4.50	4.06	
7595	Fort Orange Pig & Hog Feed	3.50	4.29	7.00	4.44	
7597	Fort Orange Turkey Grower	3.50	4.00	4.50	2.58	
	BEACON MILLING CO., Div. of Textron, Inc., Cayuga, N. Y.					
8650	Beacon Broiler Finisher AP Med.	5.00	5.46	4.00	2.44	Amprolium: Guar., 0.0125%; found, 0.0146%.
7728	Beacon Calf Grow	3.00	2.78	9.00	6.46	
7729	Beacon Dairy Fitting Pel-ets	3.25	3.73	9.00	6.54	
8051	Beacon Egg Check A Medicated	2.50	3.59	6.00	3.23	Arsanilic Acid: Guar., 0.0090%; found, 0.0090%.



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
7688	Beacon "22" Egg Mash	11.44	22.00	21.00
7736	Beacon Goat Ration	12.67	16.00	<u>17.50</u>
8052	Beacon Market Egg All-Mash Med.	11.60	17.00	17.50
7742	Beacon Medicated Booster Pellets	9.44	20.00	20.38
7735	Beacon Milk Check "16" Dairy Ration	12.68	16.00	16.00
7740	Beacon Milk Check "20" Dairy Ration	11.91	20.00	22.25
8706	Beacon Rumentrol	11.66	16.00	17.50
8649	Beacon Starter Broiler AP Med.	11.06	23.00	23.50
7734	Beacon Sweet "16" Dairy Ration	12.62	16.00	16.00
7730	Beacon "22" Turkey & Game Bird Grower	10.60	22.00	22.50
7741	Beacon Turkey-Finisher All-Mash Pellets	11.16	18.00	18.50
8603	Be-Co Grower NC Medicated	11.83	14.00	14.50
7572	Be-Co-Nurse Milk Replacer	5.81	24.00	24.00
7571	Pro-Pel "16" Dairy	11.81	16.00	16.50
THE BERKMAN GRAIN CO., North Franklin, Conn.				
7413	Nibco 18% Dairy Ration	11.62	18.00	17.75
7414	Nibco Fitting Ration	14.39	14.00	14.00
8321	Nibco Five Star Light Breeder	10.26	17.00	<u>15.75</u>
8713	Nibco Five Star Lo Color (Crumbles)	10.21	16.00	<u>17.50</u>
7268	Nibco Five Star Lo Color (Crumbles)	12.82	16.00	15.63
8610	Nibco Five Star Roaster	10.67	16.00	17.75
8714	Nibco Five Star Roaster Pellets	10.79	16.00	18.00
7270	Nibco Five Star Super Starter	13.61	25.00	<u>22.75</u>
7411	Nibco Five Star Weight Maker	10.90	22.00	<u>20.50</u>

~~~~~ Indicates deficiencies.

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| Fat                      |       | Fiber                    |       | Medicants                                                                                        |
|--------------------------|-------|--------------------------|-------|--------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                  |
| 3.50                     | 4.74  | 6.00                     | 3.38  | Arsanilic acid: Guar., 0.0090%; found, 0.0083%.                                                  |
| 3.00                     | 3.75  | 10.00                    | 6.13  |                                                                                                  |
| 3.50                     | 4.07  | 5.00                     | 2.83  |                                                                                                  |
| 4.00                     | 4.61  | 9.00                     | 7.38  |                                                                                                  |
| 3.50                     | 3.76  | 9.00                     | 7.26  | Amprolium: Guar., 0.0125%; found, 0.0148%.                                                       |
| 3.50                     | 4.31  | 9.00                     | 8.87  |                                                                                                  |
| 3.50                     | 3.39  | 8.00                     | 5.56  |                                                                                                  |
| 5.00                     | 5.88  | 4.00                     | 3.15  |                                                                                                  |
| 3.50                     | 3.95  | 8.50                     | 6.28  | Nicarbazin: Guar., 0.010%; found, 0.0112%.                                                       |
| 3.00                     | 3.14  | 5.75                     | 4.69  |                                                                                                  |
| 3.00                     | 3.63  | 5.50                     | 3.10  |                                                                                                  |
| 3.00                     | 3.82  | 8.00                     | 4.90  |                                                                                                  |
| 10.00                    | 11.04 | 0.25                     | 0.13  | Nicarbazin: Guar., 0.010%; found, 0.0130%. Dienestrol diacetate: Guar., 0.0023%; not determined. |
| 3.00                     | 3.91  | 12.00                    | 10.71 |                                                                                                  |
| 4.00                     | 3.94  | 8.00                     | 7.85  |                                                                                                  |
| 4.00                     | 3.92  | 8.00                     | 8.00  |                                                                                                  |
| 4.00                     | 6.79  | 4.00                     | 2.55  | Nicarbazin: Guar., 0.010%; found, 0.0160%. Dienestrol diacetate: Guar., 0.023%; not determined.  |
| 4.50                     | 6.14  | 3.50                     | 2.01  |                                                                                                  |
| 4.50                     | 5.28  | 3.50                     | 1.82  |                                                                                                  |
| 4.50                     | 4.68  | 3.00                     | 2.06  |                                                                                                  |
| 4.50                     | 5.41  | 3.00                     | 2.25  | Nicarbazin: Guar., 0.010%; found, 0.0128%. Dienestrol diacetate: Guar., 0.023%; not determined.  |
| 7.00                     | 7.25  | 2.50                     | 2.05  |                                                                                                  |
| 6.00                     | 7.85  | 2.50                     | 1.72  |                                                                                                  |
|                          |       |                          |       |                                                                                                  |

Nicarbazin: Guar., 0.010%; found, 0.0102%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0044%.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                        | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|---------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                               |          | Guaranteed not less than | Found        |
| 8712        | Nibco Five Star Weight Maker                                  | 10.11    | 22.00                    | <u>19.88</u> |
| 7269        | Nibco Five Star Weight Maker                                  | 13.41    | 22.00                    | 22.25        |
| 8318        | Nibco High Energy Layer                                       | 10.39    | 16.00                    | 16.00        |
| 8320        | Nibco High Energy Laying & Growing Mash                       | 10.59    | 16.00                    | 16.00        |
| 8611        | Nibco Medicated Booster Crumbles                              | 11.41    | 22.00                    | <u>20.25</u> |
| 8319        | Nibco Medicated Booster Feed                                  | 10.30    | 20.00                    | 20.25        |
| 7412        | Nibco Pullet Builder                                          | 11.59    | 15.50                    | 16.75        |
| 7244        | Nibco Pullet Starter                                          | 13.33    | 20.00                    | 19.75        |
|             | BLATCHFORD CALF MEAL CO.,<br>Waukegan, Ill.                   |          |                          |              |
| 8377        | Blatchford's Calf Pab                                         | 5.67     | 25.00                    | 25.00        |
|             | BLOOMFIELD FARMERS' EX-<br>CHANGE, INC.,<br>Bloomfield, Conn. |          |                          |              |
| 7294        | Bloomfield 16% Dairy Ration<br>Pellets                        | 12.36    | 16.00                    | 17.00        |
| 8131        | Bloomfield 16% Dairy Ration                                   | 12.41    | 16.00                    | 16.00        |
|             | BROOKLAWN GRAIN & FEED CO.<br>Bridgeport, Conn.               |          |                          |              |
| 7333        | Brooklawn High Energy Layer                                   | 11.17    | 18.00                    | 19.00        |
|             | BROWN-FORMAN DISTILLERS<br>CORP., Louisville, Ky.             |          |                          |              |
| 8249        | B-F Corn Distillers Dried Solubles                            | 10.69    | 24.00                    | 26.75        |
|             | BRUNETTO-ECONOMOV CHEESE<br>CORP., Hinesburg, Vt.             |          |                          |              |
| 7653        | Dried Whole Whey                                              | 7.71     | 11.00                    | 12.25        |

       Indicates deficiencies.

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| Fat                      |             | Fiber                    |       | Medicants                                                                                                                    |
|--------------------------|-------------|--------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |                                                                                                                              |
| 6.00                     | 8.46        | 2.50                     | 1.80  | Nicarbazin: Guar., 0.010%;<br>found, <u>0.0125%</u> . 3-Nitro-4-hydroxyphenylarsonic acid:<br>Guar., 0.005%; found, 0.0041%. |
| 6.00                     | 7.61        | 2.50                     | 2.02  | Nicarbazin: Guar., 0.010%;<br>found, 0.0116%. 3-Nitro-4-hydroxyphenylarsonic acid:<br>Guar., 0.005%; found, 0.0049%.         |
| 3.00                     | 5.56        | 4.00                     | 2.91  |                                                                                                                              |
| 4.50                     | 5.26        | 3.50                     | 2.94  |                                                                                                                              |
| 6.00                     | 7.11        | 2.50                     | 1.87  | Nicarbazin: Guar., 0.010%;<br>found, 0.0120%. Oxytetracycline: Guar., 200 gm. per ton;<br>not determined.                    |
| 3.00                     | 6.03        | 4.50                     | 2.62  | Oxytetracycline: Guar., 200<br>gm. per ton; not determined.                                                                  |
| 3.00                     | 4.16        | 6.00                     | 3.58  |                                                                                                                              |
| 3.00                     | 5.32        | 4.00                     | 2.42  | Sulfaquinoxaline: Guar.,<br>0.015%; found, <u>0.0093%</u> .                                                                  |
| 3.50                     | 4.33        | 2.00                     | 1.12  |                                                                                                                              |
| 3.50                     | 3.97        | 8.00                     | 5.56  |                                                                                                                              |
| 3.50                     | 3.41        | 8.00                     | 6.16  |                                                                                                                              |
| 4.00                     | 5.13        | 5.00                     | 4.16  |                                                                                                                              |
| 8.00                     | <u>6.12</u> | 4.00                     | 4.42  |                                                                                                                              |
|                          |             | 0.50                     | 0.17  |                                                                                                                              |

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 |
| 8225        | BUCKEYE COTTON OIL, Div. of<br>Buckeye Cellulose Corp.<br>Cincinnati, Ohio<br>Buckeye 41.00% Protein Solvent<br>Extracted Cottonseed Meal | 8.79          | 41.00                               | 42.00 |
| 8236        | BURGEO FISH INDUSTRIES, LTD.<br>Burgo, Newfoundland<br>Caribou Brand Fish Meal                                                            | 9.69          |                                     | 55.00 |
| 8327        | CALVERT MILLING CO.,<br>Hoytville, Ohio<br>17% Dehydrated Alfalfa Meal                                                                    | 7.51          | 17.00                               | 18.50 |
| 7615        | CAMDEN GRAIN CO.,<br>Camden, N. J.<br>Camden Brand Dried Brewers<br>Grain                                                                 | 8.07          | 24.00                               | 26.00 |
| 7461        | CAMP MILLING CO., INC.,<br>Walton, N. Y.<br>Camp's Milk Replacer                                                                          | 4.71          | 21.00                               | 22.25 |
| 7732        | THE A. B. CAPLE CO.,<br>Toledo, Ohio<br>Sun-Cured Alfalfa Crumbles                                                                        | 10.09         | 13.00                               | 13.25 |
| 8139        | CARGILL, INCORPORATED<br>Minneapolis 15, Minn.<br>Cargill, Inc. 44% Protein Solvent<br>Extracted Soybean Meal                             | 11.89         | 44.00                               | 44.00 |
| 7514        | CARLING BREWING CO.,<br>Cleveland, Ohio<br>Carling Brewers Dried Grains                                                                   | 10.26         | 26.00                               | 28.25 |
| 7637        | CENTRAL CONN. CO-OP.<br>FARMERS ASS'N., INC.<br>Manchester, Conn.<br>Honest Brand Aureomycin Mix Med.                                     | 11.68         | 18.00                               | 20.00 |

| Fat                                 |       | Fiber                               |       | Medicants                                                                       |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                 |
| 2.00                                | 2.11  | 14.00                               | 11.77 |                                                                                 |
|                                     | 10.59 |                                     | 0.10  |                                                                                 |
| 1.50                                | 3.34  | 27.00                               | 19.94 |                                                                                 |
| 6.00                                | 4.76  | 17.00                               | 13.81 |                                                                                 |
| 8.50                                | 9.60  | 0.50                                | 0.19  |                                                                                 |
| 1.00                                | 1.50  | 33.00                               | 31.45 |                                                                                 |
| 0.50                                | 0.93  | 7.00                                | 6.93  |                                                                                 |
| 5.00                                | 7.07  | 15.00                               | 10.28 |                                                                                 |
| 4.00                                | 4.44  | 4.00                                | 3.29  | Chlortetracycline hydrochloride<br>Guar., 0.1 gm. per lb.; not de-<br>termined. |



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 |
| 8184        | Honest Brand Complete Breeder Mash                                            | 10.66         | 16.00                               | 16.25 |
| 8183        | Honest Brand Complete Ration High Energy Growing Mash                         | 12.02         | 15.00                               | 16.75 |
| 7636        | Honest Brand Complete Ration High Energy Growing Mash                         | 12.58         | 15.00                               | 16.50 |
| 7555        | Honest Brand Complete Ration High Energy Growing Mash-Medicated Poultry Feed  | 12.71         | 15.00                               | 17.00 |
| 8166        | Honest Brand Complete Ration High Energy Growing Mash SQ Mixture              | 11.51         | 15.00                               | 15.50 |
| 8182        | Honest Brand Complete Ration High Energy Laying Mash                          | 10.72         | 15.00                               | 15.25 |
| 7553        | Honest Brand Complete Ration High Energy Laying Mash-Medicated Poultry Feed   | 11.81         | 15.00                               | 16.00 |
| 8165        | Honest Brand Complete Ration High Energy Laying Mash Medicated Poultry Feed   | 11.14         | 15.00                               | 15.00 |
| 6144        | Honest Brand Nu Weigh-Hi Broiler Crumbles Medicated                           | 11.01         | 22.00                               | 22.75 |
| 7638        | Honest Brand Nu Weigh-Hi Broiler Finisher Mash                                | 11.18         | 20.00                               | 20.00 |
| 7554        | Honest Brand Nu Weigh-Hi Broiler Mash Medicated                               | 11.67         | 22.00                               | 23.00 |
| 7444        | Honest Brand Nu Weigh-Hi Starter Mash Medicated                               | 12.38         | 20.00                               | 21.00 |
|             | CENTRAL SOYA, McMillen Feed Div., Fort Wayne, Ind.                            |               |                                     |       |
| 8702        | 0.0116% Dienestrol Diacetate Mix Master Mix Broiler Finisher Concentrate Med. | 9.38          | 41.00                               | 41.00 |
| 7641        | Forty-Four 44% Solvent Extracted Soybean Meal                                 | 11.97         | 44.00                               | 47.50 |

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| Fat                                 |       | Fiber                               |       | Medicants                                                                                                 |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                           |
| 4.00                                | 4.08  | 4.00                                | 4.11  |                                                                                                           |
| 3.00                                | 4.59  | 4.00                                | 3.58  |                                                                                                           |
| 3.00                                | 5.01  | 4.00                                | 3.34  |                                                                                                           |
| 3.00                                | 4.87  | 4.00                                | 3.30  | Furazolidone: Guar., 0.022%;<br>found, 0.0178%.                                                           |
| 3.00                                | 4.16  | 4.00                                | 3.63  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0145%.                                                      |
| 4.00                                | 4.52  | 4.00                                | 3.35  |                                                                                                           |
| 4.00                                | 4.89  | 4.00                                | 3.19  | Furazolidone: Guar., 0.022%;<br>found, 0.0176%.                                                           |
| 4.00                                | 4.04  | 4.00                                | 3.04  | Furazolidone: Guar., 0.011%;<br>found, 0.0127%.                                                           |
| 5.50                                | 5.59  | 4.00                                | 2.50  | Amprolium: Guar., 0.0125%;<br>found, 0.0136%.                                                             |
| 6.00                                | 6.32  | 3.00                                | 2.77  |                                                                                                           |
| 5.50                                | 5.31  | 4.00                                | 2.77  | Amprolium: Guar., 0.0125%;<br>found, 0.0144%.                                                             |
| 4.00                                | 5.04  | 4.00                                | 3.68  | Sulfaquinoxaline: Guar.,<br>0.0150%; found, 0.0150%.                                                      |
| 10.00                               | 10.61 | 3.50                                | 3.14  | Nicarbazin: Guar., 0.050%;<br>found, 0.0508%. Dienestrol<br>diacetate: Guar., 0.0116%;<br>not determined. |
| 0.50                                | 1.73  | 7.00                                | 5.90  |                                                                                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                | Moisture | Protein<br>(N x 6.25)    |              |
|-------------|-------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                       |          | Guaranteed not less than | Found        |
| 8642        | Master Mix All Mash Pullet Grower Medicated 135-04E   | 10.43    | 16.50                    | 18.50        |
| 8237        | Master Mix Broiler Finisher Concentrate 375           | 9.36     | 41.00                    | 41.25        |
| 7645        | Master Mix Broiler Starter Concentrate 351            | 10.98    | 42.50                    | 43.50        |
| 8655        | Master Mix Chick Concentrate 153-04G                  | 9.61     | 38.00                    | 38.25        |
| 7272        | Master Mix Complete Rabbit Pellets 961-84E Medicated  | 12.06    | 15.00                    | 15.00        |
| 7701        | Master Mix Eastern Big "M" Dairy Feed 622 (Pellets)   | 10.50    | 16.00                    | 19.25        |
| 7646        | Master Mix Egg Concentrate 263                        | 10.90    | 42.00                    | 42.50        |
| 7489        | Master Mix Egg Mash 211                               | 11.12    | 20.00                    | 20.25        |
| 8048        | Master Mix 12% Hog Finisher 821-01A Medicated         | 10.64    | 12.00                    | 14.25        |
| 7500        | Master Mix Hog Finisher Concentrate 889               | 9.75     | 40.00                    | 40.50        |
| 7702        | Master Mix HQ 16% Dairy 618A                          | 11.52    | 16.00                    | 18.00        |
| 7485        | Master Mix HQ Master Blend Concentrate 667            | 10.91    | 38.00                    | 39.50        |
| 8245        | Master Mix Layer Concentrate 265                      | 9.91     | 34.00                    | 34.50        |
| 7484        | Master Mix Medicated Bio-5 Concentrate 376-03G        | 9.91     | 41.00                    | 41.50        |
| 8156        | Master Mix Medicated Bio-5 Finisher (326-03C)         | 10.29    | 20.00                    | 21.25        |
| 7487        | Master Mix Medicated Bio-21 Concentrate 350-03N       | 10.90    | 42.50                    | <u>41.25</u> |
| 8599        | Master Mix Medicated Bio feed 180 233-20A             | 11.04    | 18.00                    | 19.50        |
| 8056        | Master Mix Pig & Sow Feed 827-01A (Pellets) Medicated | 10.66    | 16.00                    | 17.50        |

~~~~~ Indicates deficiencies.

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| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 3.50                     | 3.77  | 6.00                     | 4.70  | Zoalene: Guar., 0.0083%; found, 0.0081%.  |
| 10.00                    | 12.06 | 5.00                     | 3.28  |   |
| 8.50                     | 9.60  | 5.00                     | 3.60  |   |
| 4.00                     | 7.64  | 7.00                     | 6.19  | Zoalene: Guar., 0.0313%; found, 0.0348%.  |
| 2.00                     | 4.22  | 16.00                    | 10.29 | Furazolidone: Guar., 0.0055%; found, 0.0068%. Sulfamonomethoxine: Guar., 0.0125%; found, 0.0111%. |
| 3.50                     | 4.06  | 12.00                    | 9.65  |   |
| 6.00                     | 7.41  | 4.00                     | 3.34  |   |
| 2.50                     | 3.23  | 7.00                     | 4.99  |   |
| 3.00                     | 3.91  | 5.00                     | 4.61  | Arsanilic acid: Guar., 0.010%; found, 0.010%.   |
| 1.50                     | 3.56  | 6.00                     | 5.77  |   |
| 3.00                     | 3.75  | 5.00                     | 4.19  |   |
| 0.05                     | 1.11  | 5.00                     | 4.95  |   |
| 2.50                     | 4.81  | 8.00                     | 5.23  |   |
| 10.00                    | 11.26 | 5.00                     | 4.79  | Chlortetracycline hydrochloride: Guar., 0.25 gm. per lb.; not determined.                         |
| 7.50                     | 7.96  | 4.00                     | 2.32  | Chlortetracycline hydrochloride: Guar., 0.1 gm. per lb.; not determined.                          |
| 8.50                     | 9.50  | 5.00                     | 4.55  | Chlortetracycline hydrochloride: Guar., 0.22 gm. per lb.; not determined.                         |
| 3.00                     | 3.38  | 4.00                     | 3.82  | Furazolidone: Guar., 0.022%; Guar., 0.0209%.  |
| 3.00                     | 3.37  | 6.00                     | 4.41  | Arsanilic acid: Guar., 0.010%; found, 0.0082%.  |

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 |
| 8248        | Master Mix Pullet Concentrate 163   | 10.80         | 36.00                               | 37.00 |
| 8639        | Master Mix Pullet Concentrate<br>163-04H Medicated                        | 10.02         | 36.00                               | 36.00 |
| 8654        | Master Mix Roaster Finisher<br>323-16C Medicated (Pellets)                | 10.00         | 20.00                               | 20.50 |
| 7703        | Master Mix Sweet Bulk'N Flakes 648  | 10.39         | 10.00                               | 11.50 |
| 7704        | Master Mix Special 16% Dairy 630  | 10.19         | 16.00                               | 17.13 |
| 8198        | Soybran Flaked Soybean Hulls  | 10.76         | 9.00                                | 9.50  |
|             | CITRUS FEED CO., Lakeland, Fla.   |               |                                     |       |
| 7635        | Florida Crest All Sweet Dried<br>Citrus Pulp                              | 11.27         | 6.00                                | 6.75  |
|             | CITRUS PRODUCT DIVISION,<br>Minute Maid Co., Orlando, Fla.                |               |                                     |       |
| 7362        | Golden Isle Citrus Pulp   | 10.68         | 6.00                                | 6.50  |
|             | CLYDE MILLING CORP.,<br>Clyde, N. Y.                                      |               |                                     |       |
| 7455        | Clyde Horse Feed  | 12.31         | 10.00                               | 12.00 |
|             | CONN. BI-PRODUCTS, INC<br>Columbia, Conn.                                 |               |                                     |       |
| 8109        | Hydrolyzed Poultry Feathers   | 6.36          | 85.00                               | 85.50 |
| 8108        | Poultry By-Product Meal   | 5.23          | 60.00                               | 61.00 |
|             | CONSOLIDATED RENDERING CO.,<br>Boston 10, Mass.                           |               |                                     |       |
| 7649        | Corenco Feeding Bone Meal   | 5.06          | 10.00                               | 14.25 |
| 7426        | Corenco 47% Meat & Bone Scrap   | 7.56          | 47.00                               | 48.50 |
| 7481        | Corenco 50% Meat & Bone Scrap   | 7.28          | 50.00                               | 47.50 |
|             | COOPERATIVE GRANGE LEAGUE<br>FEDERATION EXCHANGE,<br>INC., Buffalo, N. Y. |               |                                     |       |
| 8134        | Bloomfield Hominy Mix   | 14.31         |                                     | 8.50  |
| 8138        | Hominy  | 12.06         |                                     | 10.75 |
|             | CORN PRODUCTS CO.,<br>New York 22, N. Y.                                  |               |                                     |       |
| 7613        | Buffalo Brand 21% Protein Corn<br>Gluten Feed                             | 9.81          | 21.00                               | 21.38 |

~~~~~ Indicates deficiencies

INSPECTION OF 1962

| Fat                                 |             | Fiber                               |       | Medicants                                    |
|-------------------------------------|-------------|-------------------------------------|-------|----------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found |                                              |
| 2.50                                | 5.94        | 8.00                                | 7.79  |                                              |
| 2.50                                | 5.78        | 8.00                                | 7.43  | Zoalene: Guar., 0.0335%<br>found, 0.0318%.   |
| 6.00                                | 5.76        | 4.00                                | 2.46  | Amprolium: Guar., 0.0125%<br>found, 0.0161%. |
| 1.00                                | 1.51        | 20.00                               | 19.01 |                                              |
| 3.00                                | 2.78        | 10.00                               | 8.57  |                                              |
| 0.50                                | 2.17        | 38.00                               | 33.26 |                                              |
|                                     |             |                                     |       |                                              |
| 3.00                                | 4.69        | 11.00                               | 9.57  |                                              |
|                                     |             |                                     |       |                                              |
| 2.75                                | <u>1.95</u> | 15.00                               | 12.53 |                                              |
|                                     |             |                                     |       |                                              |
| 2.50                                | 3.53        | 10.00                               | 6.33  |                                              |
|                                     |             |                                     |       |                                              |
| 0.50                                | 5.08        | 1.50                                | 0.48  |                                              |
| 10.00                               | 12.04       | 3.00                                | 1.12  |                                              |
|                                     |             |                                     |       |                                              |
|                                     |             | 2.00                                | 1.80  |                                              |
| 6.00                                | 7.87        | 2.00                                | 1.59  |                                              |
| 6.00                                | 9.29        | 2.00                                | 1.25  |                                              |
|                                     |             |                                     |       |                                              |
|                                     |             | 3.50                                | 2.83  |                                              |
|                                     |             | 5.65                                | 4.70  |                                              |
|                                     |             |                                     |       |                                              |
| 1.00                                | 1.47        | 10.00                               | 8.71  |                                              |



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  |
| 7700        | CROMPTON GRAIN COMPANY<br>W. Warwick, R. I.<br>Master Made All Mash Layer<br>(Pellets) | 11.19         | 16.00                               | 16.00  |
| 8643        | Master Made Roaster Finisher<br>Medicated                                              | 11.75         | 20.00                               | 20.25  |
| 7767        | DAWNWOOD FARMS, Amenia, N.Y.<br>Dawn Farms Caf-Star Formula<br>Feed for Calves         | 6.26          | 25.00                               | 27.00  |
| 8230        | DCA FOOD INDUSTRIES, INC.<br>Ellicott City, Md.<br>Domaco Wheat Middlings              | 11.47         | 14.50                               | 15.75  |
| 8229        | Domaco Pure Winter Wheat                                                               | 12.50         | 13.50                               | 15.25  |
| 8180        | DELAWARE MILLING CO., INC.<br>Deposit, N. Y.<br>Delaware Rabbit Pellets                | 11.26         | 16.00                               | 17.00  |
| 7460        | Delaware Scratch Grains                                                                | 13.81         | 9.00                                | 9.00   |
| 7458        | Warren's C and C Complete Grow-<br>ing Mash                                            | 10.93         | 15.00                               | 17.00  |
| 8151        | Warren's C & C Complete Laying<br>Mash                                                 | 10.61         | 15.00                               | 15.00  |
| 8177        | Warren's Indian 16% Dairy                                                              | 11.86         | 16.00                               | 16.00  |
| 8153        | Warren's 16% Test Ration                                                               | 12.04         | 16.00                               | 16.00  |
| 8149        | Warren's 20% Test Ration                                                               | 12.99         | 20.00                               | 16.25  |
| 8152        | Warren's Turkey Growing Mash<br>(Pellets)                                              | 11.89         | 21.00                               | 18.00  |
| 7357        | DERBY FEED STORE,<br>Derby, Conn.<br>Litsky's Hi-Energy All Mash Grower                | 12.42         | 16.00                               | 17.00  |
| 7523        | Litsky's Hi-Energy All Mash Layer                                                      | 12.15         | 16.00                               | 17.50  |
| 7309        | Litsky's Hi-Energy Layer                                                               | 13.00         | 20.00                               | 20.75  |
| 7442        | Litsky's Hi-Energy Starter Broiler<br>(Litsky's SQ Mixture)                            | 11.96         | 20.00                               | 21.50  |
| 7388        | Litsky's Sweet 16% Dairy Ration                                                        | 11.63         | 16.00                               | 16.00  |
| 7301        | E. I. du PONT de NEMOURS & CO.<br>Wilmington, Del.<br>DuPont Two-Sixty-Two Feed Comp   | 1.97          | 262.00                              | 262.50 |

~~~~~ Indicates deficiencies

INSPECTION OF 1962

| Fat                                 |                 | Fiber                               |       | Medicants  |
|-------------------------------------|-----------------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found           | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.50                                | 3.56            | 4.50                                | 3.06  | Amprolium: Guar., 0.0125%;<br>found, 0.0135%.        |
| 6.00                                | 5.86            | 3.00                                | 2.59  |  |
| 6.00                                | 6.37            | 1.50                                | 0.77  |  |
| 4.25                                | 5.41            | 7.50                                | 6.91  |  |
| 3.25                                | 3.28            | 9.50                                | 7.18  |  |
| 2.50                                | 3.84            | 17.00                               | 10.43 |  |
| 2.00                                | 2.84            | 5.00                                | 2.25  |  |
| 3.00                                | 4.32            | 6.00                                | 5.97  |  |
| 3.00                                | 3.51            | 6.00                                | 6.90  |  |
| 3.00                                | 3.86            | 11.00                               | 7.91  |  |
| 3.50                                | 2.92            | 10.00                               | 7.92  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0158%. |
| 3.50                                | <del>2.88</del> | 10.00                               | 7.42  |  |
| 3.00                                | 3.66            | 6.50                                | 4.48  |  |
| 3.50                                | 3.46            | 4.00                                | 3.24  |  |
| 3.50                                | 3.86            | 4.00                                | 3.29  |  |
| 3.25                                | 3.50            | 4.50                                | 4.49  |  |
| 3.50                                | 4.62            | 4.00                                | 4.00  |  |
| 3.00                                | 4.77            | 10.00                               | 6.21  |  |
|                                     |                 | 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 |
|             | EASTERN STATES FARMERS'<br>EXCHANGE, INC.,<br>West Springfield, Mass. |               |                                     |       |
| 8114        | Alfapels  | 8.21          | 15.00                               | 15.25 |
| 8715        | Beefmix Diethylstilbestrol  | 10.51         | 32.00                               | 32.13 |
| 7549        | Broiler Finisher Medicated  | 12.53         | 22.00                               | 23.00 |
| 7401        | Calf Starter  | 11.88         | 18.00                               | 18.00 |
| 7279        | Cashmaker Medicated   | 12.62         | 16.00                               | 17.25 |
| 7569        | Champion  | 14.22         | 14.00                               | 15.25 |
| 7252        | Choicemaker Medicated   | 13.31         | 16.00                               | 16.50 |
| 7253        | Choicemaker-WM Medicated  | 12.46         | 16.00                               | 16.50 |
| 7542        | Class Leader  | 12.56         | 14.00                               | 15.25 |
| 8140        | Fulpail   | 12.41         | 20.00                               | 20.00 |
| 7543        | Gee-Mix   | 10.16         | 44.00                               | 45.25 |
| 7242        | Gro-Bits-Medicated  | 13.06         | 15.00                               | 16.00 |
| 8063        | Gro-Bits- WM Medicated  | 10.93         | 15.00                               | 15.75 |
| 7273        | Lay-Bits Medicated  | 12.71         | 16.00                               | 17.75 |
| 8064        | Matchmaker-Medicated  | 10.79         | 22.00                               | 22.25 |
| 7277        | Medicated-Defender  | 12.97         | 16.00                               | 17.00 |
| 8161        | Medicated Sentinel  | 11.57         | 16.00                               | 16.75 |
| 8612        | Medicated Turkey Starter F  | 9.96          | 28.00                               | 28.25 |
| 8112        | Milkerpels 14   | 11.36         | 14.00                               | 16.25 |
| 7522        | Milkerpels 16   | 11.86         | 16.00                               | 17.00 |
| 7745        | Milkerpels 20   | 11.23         | 20.00                               | 20.50 |
| 7399        | Milkmore  | 11.54         | 16.00                               | 17.00 |
| 7882        | Milksaver   | 6.52          | 24.00                               | 24.25 |
| 8708        | Pacemaker Medicated   | 11.14         | 20.00                               | 20.75 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1962

| Fat                                 |       | Fiber                               |       | Medicants                                                                                      |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                |
| 1.50                                | 2.81  | 30.00                               | 24.49 |                                                                                                |
| 2.00                                | 2.91  | 8.00                                | 6.36  | Diethylstilbestrol: Guar.,<br>0.0011%; found, 0.0010%.                                         |
| 8.00                                | 8.01  | 4.00                                | 3.01  | Amprolium: Guar., 0.0125%;<br>found, 0.0121%.                                                  |
| 4.00                                | 5.08  | 6.00                                | 4.44  |                                                                                                |
| 4.00                                | 4.31  | 3.50                                | 2.77  | Arsanilic acid: Guar.,<br>0.0099%; found 0.0089%.                                              |
| 2.50                                | 3.36  | 7.00                                | 5.34  |                                                                                                |
| 3.50                                | 3.71  | 5.00                                | 4.46  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0082%.                                             |
| 3.50                                | 3.88  | 5.00                                | 4.22  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0125%.                                           |
|                                     |       |                                     |       | Arsanilic Acid: Guar.,<br>0.0099%; found, 0.0103%.                                             |
| 3.00                                | 4.06  | 8.50                                | 6.05  |                                                                                                |
| 3.00                                | 3.86  | 8.00                                | 5.88  |                                                                                                |
| 2.50                                | 3.65  | 4.00                                | 3.22  |                                                                                                |
| 3.00                                | 4.46  | 5.00                                | 3.97  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0105%.                                             |
| 3.00                                | 3.50  | 5.00                                | 3.04  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0099%.                                           |
|                                     |       |                                     |       | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0140%.                                             |
| 3.00                                | 4.29  | 4.00                                | 3.37  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0090%.                                             |
| 4.00                                | 4.41  | 4.00                                | 3.05  | Arsanilic acid: Guar.,<br>0.0132%; found, 0.0105%.                                             |
| 3.50                                | 4.36  | 4.50                                | 3.48  | Furazolidone: Guar., 0.022%;<br>found, 0.0228%.                                                |
| 3.50                                | 4.12  | 4.50                                | 3.90  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm. per lb.;<br>not determined.               |
| 3.00                                | 3.54  | 3.50                                | 3.03  | Furazolidone: Guar., 0.011%;<br>found, 0.0129%.                                                |
| 3.50                                | 4.01  | 8.00                                | 6.53  |                                                                                                |
| 3.50                                | 4.16  | 8.00                                | 5.71  |                                                                                                |
| 3.00                                | 4.17  | 8.00                                | 6.34  |                                                                                                |
| 3.00                                | 4.45  | 8.50                                | 7.75  |                                                                                                |
| 5.00                                | 5.30  | 1.50                                | 0.36  |                                                                                                |
| 4.00                                | 4.42  | 4.00                                | 3.44  | Arsanilic acid: Guar., 0.0099%;<br>found, 0.0090%. Bithionol:<br>Guar., 0.050%; found, 0.045%. |

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        |
| 8170        | Pel-Gro Medicated                           | 10.82         | 14.00                               | 15.50        |
| 8053        | Pel-Gro WM Medicated                        | 10.92         | 14.00                               | 15.50        |
| 8058        | Pel-22 Medicated                            | 10.50         | 22.00                               | 23.25        |
| 7254        | Pel-Lay Medicated                           | 12.08         | 16.00                               | 17.00        |
| 7475        | Pork Builder                                | 11.98         | 14.00                               | 15.75        |
| 7274        | Pork Gainer Medicated                       | 12.42         | 16.00                               | 16.00        |
| 8057        | Pork Primer Medicated                       | 9.50          | 18.00                               | 18.00        |
| 8604        | Protek F Medicated                          | 11.56         | 16.00                               | 17.25        |
| 7278        | Rabbettes Medicated                         | 12.21         | 15.00                               | 15.00        |
| 8111        | Supmix                                      | 10.39         | 36.00                               | 37.50        |
| 7473        | Sweepstakes                                 | 12.21         | 16.00                               | 18.25        |
| 7521        | Tastibulk                                   | 14.26         | 9.50                                | 11.00        |
| 7474        | Tasti-Pels                                  | 12.58         | 16.00                               | 16.00        |
| 7744        | Turkey Finisher                             | 11.74         | 16.00                               | 17.25        |
| 7570        | Turkey Grower                               | 11.83         | 20.00                               | 20.00        |
| 7440        | Turkey Grower C                             | 11.59         | 20.00                               | 21.25        |
| 8653        | Turkey Starter Medicated                    | 10.76         | 28.00                               | 28.00        |
|             | ELMORE MILLING CO., INC.,<br>Oneonta, N. Y. |               |                                     |              |
| 7251        | Elmore Chixsaver (7S) Medicated             | 13.81         | 20.00                               | <u>18.75</u> |
| 7433        | Elmore Complete Calf Milk<br>Replacer       | 9.38          | 25.00                               | 26.50        |
| 8359        | Elmore Complete Calf Milk<br>Replacer       | 13.52         | 25.00                               | 25.25        |
| 7430        | Elmore Complete Growing Ration              | 12.11         | 16.00                               | 16.00        |
| 7429        | Elmore Complete Market Egg Ration           | 12.00         | 16.00                               | 16.00        |
| 8232        | Elmore Complete Rabbit Pellets              | 10.16         | 16.00                               | 18.00        |
| 8233        | Elmore Complete Turkey Growing<br>Mash      | 11.30         | 17.00                               | 17.00        |
| 8235        | Elmore Dry & Freshening Ration              | 12.37         | 12.00                               | 13.75        |
| 7469        | Elmore Duck Grower Pellets                  | 11.46         | 16.00                               | 17.25        |

~ Indicates deficiencies

INSPECTION OF 1962

| Fat                                 |       | Fiber                               |       | Medicants                                                        |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                  |
| 3.50                                | 4.31  | 5.00                                | 4.26  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0110%.               |
| 3.50                                | 4.52  | 5.00                                | 4.31  | Sulfaquinoxaline: Guar.,<br>0.0125%; found, 0.0103%.             |
| 2.50                                | 3.41  | 4.50                                | 4.08  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0110%.               |
| 3.00                                | 4.61  | 4.50                                | 3.47  | Arsanilic acid: Guar.,<br>0.0132%; found, 0.0112%.               |
| 3.00                                | 4.04  | 3.50                                | 2.71  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0108%.               |
| 5.00                                | 5.43  | 3.50                                | 2.74  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0099%.               |
| 8.00                                | 8.54  | 3.00                                | 1.87  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0060%.               |
| 4.00                                | 4.67  | 3.00                                | 2.48  | Furazolidone: Guar.,<br>0.00275%; found, 0.00254%.               |
| 2.50                                | 3.25  | 15.00                               | 13.04 | Furazolidone: Guar.,<br>0.0055%; found, 0.0062%.                 |
| 1.50                                | 2.09  | 8.00                                | 6.68  |                                                                  |
| 3.00                                | 3.43  | 7.50                                | 5.28  |                                                                  |
| 2.00                                | 3.31  | 10.00                               | 8.24  |                                                                  |
| 3.00                                | 3.21  | 9.00                                | 6.44  |                                                                  |
| 3.50                                | 4.22  | 4.00                                | 2.94  |                                                                  |
| 3.50                                | 4.53  | 4.50                                | 3.45  |                                                                  |
| 3.50                                | 4.76  | 4.50                                | 3.62  | P-Ureidobenzeneearsonic acid:<br>Guar., 0.0375%; found, 0.0352%. |
| 3.00                                | 4.21  | 3.50                                | 2.95  | Amprolium: Guar., 0.0125%;<br>found, 0.0136%.                    |
| 3.00                                | 3.90  | 5.00                                | 4.16  | Sulfaquinoxaline: Guar.,<br>0.0150%; found, 0.0168%.             |
| 4.00                                | 5.25  | 2.00                                | 1.76  |                                                                  |
| 4.00                                | 5.82  | 2.00                                | 1.65  |                                                                  |
| 3.00                                | 3.66  | 6.00                                | 4.80  |                                                                  |
| 3.00                                | 3.70  | 5.00                                | 3.03  |                                                                  |
| 2.50                                | 3.59  | 10.00                               | 9.35  |                                                                  |
| 3.50                                | 3.98  | 6.00                                | 4.42  |                                                                  |
| 3.50                                | 3.56  | 9.00                                | 6.23  |                                                                  |
| 4.00                                | 4.00  | 6.00                                | 5.02  |                                                                  |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                             | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|----------------------------------------------------|----------|--------------------------|-------|
|             |                                                    |          | Guaranteed not less than | Found |
| 8383        | Elmore Egg Mash                                    | 10.50    | 20.00                    | 20.25 |
| 8234        | Elmore Fitting Ration 14%                          | 11.92    | 14.00                    | 15.00 |
| 8360        | Elmore Flaked Pelleted Calf Starter                | 11.77    | 18.00                    | 20.25 |
| 7427        | Elmore Game Bird Breeder Mash (Pellets)            | 10.66    | 20.00                    | 19.75 |
| 7428        | Elmore Game Bird Grower (Pellets)                  | 10.74    | 20.00                    | 20.00 |
| 7247        | Elmore Game Bird Grower Medicated (7S) Pellets     | 12.06    | 20.00                    | 20.00 |
| 7248        | Elmore Game Bird Starter Medicated (1S) (Crumbles) | 12.61    | 28.00                    | 28.25 |
| 8358        | Elmore Grand Champion Ration                       | 11.74    | 15.00                    | 15.50 |
| 7466        | Elmore Hog Ration                                  | 12.00    | 15.00                    | 15.00 |
| 7663        | Elmore Horse Feed                                  | 13.36    | 9.00                     | 11.00 |
| 8613        | Elmore Medicated Mash (Pellets)                    | 11.66    | 16.00                    | 18.00 |
| 7271        | Elmore Medicated Picker-Upper Mash (2A)            | 13.70    | 20.00                    | 21.75 |
| 7472        | Elmore Milk Grains Sixteen                         | 11.10    | 16.00                    | 18.00 |
| 7467        | Elmore Pacemaker Dairy                             | 11.00    | 16.00                    | 18.50 |
| 7431        | Elmore Test Ration 16% (Pellets)                   | 10.16    | 16.00                    | 18.50 |
| 7432        | Elmore Test Ration 18%                             | 11.59    | 18.00                    | 19.25 |
|             | JOHN W. ESHELMAN & SONS,<br>Lancaster, Pa.         |          |                          |       |
| 7697        | Lancaster 16 Dairy Feed                            | 10.75    | 16.00                    | 17.50 |
| 8254        | Lancaster 20 Dairy Feed                            | 10.86    | 20.00                    | 20.75 |
| 7699        | Lancaster Scratch Grains                           | 13.22    | 9.00                     | 9.25  |
| 7724        | Pennsy Complete Laying Ration                      | 11.02    | 16.00                    | 17.00 |
| 8330        | Pennsy 16 Dairy Feed                               | 9.87     | 16.00                    | 17.50 |
| 7612        | Red Rose Calf Grower                               | 11.02    | 14.00                    | 15.75 |
| 8251        | Red Rose Calf Starter                              | 12.25    | 18.00                    | 20.00 |
| 7731        | Red Rose Chick Grains                              | 12.66    | 9.00                     | 10.50 |
| 7610        | Red Rose Complete Game Bird Grower                 | 10.92    | 20.00                    | 21.50 |
| 7696        | Red Rose Complete Growing Ration                   | 11.73    | 16.00                    | 16.75 |
| 7327        | Red Rose Complete Laying Ration                    | 12.27    | 16.00                    | 16.00 |
| 7695        | Red Rose Complete Turkey Finisher                  | 11.48    | 16.00                    | 16.75 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1962

| Fat                      |       | Fiber                    |       | Medicants  |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found |  |
| 3.50                     | 3.79  | 6.00                     | 5.54  |  |
| 3.50                     | 4.23  | 8.00                     | 6.67  |  |
| 2.50                     | 3.39  | 8.00                     | 6.26  |  |
| 3.50                     | 3.69  | 8.00                     | 4.38  |  |
| 3.00                     | 3.36  | 10.00                    | 5.76  |  |
| 3.00                     | 3.38  | 10.00                    | 6.07  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0150%.                          |
| 3.00                     | 3.47  | 5.00                     | 3.29  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0178%.                          |
| 3.50                     | 3.28  | 9.00                     | 6.59  |  |
| 3.50                     | 4.31  | 8.00                     | 4.42  |  |
| 3.00                     | 3.35  | 11.00                    | 4.79  |  |
| 3.00                     | 3.06  | 6.00                     | 4.10  | Furazolidone: Guar., 0.022%; found, 0.0127%.                               |
| 3.50                     | 3.52  | 6.00                     | 4.31  | Oxytetracycline: Guar., 0.025 gm. per lb.; not determined.                 |
| 3.50                     | 4.46  | 8.50                     | 8.10  | Zinc Bacitracin: Guar., 0.05 gm. per lb.; not determined.                  |
| 3.00                     | 4.01  | 10.00                    | 7.47  | Chlortetracycline hydrochloride: Guar., 0.025 gm. per lb.; not determined. |
| 4.00                     | 4.66  | 9.00                     | 6.61  |  |
| 4.00                     | 4.31  | 9.00                     | 6.72  |  |
| 2.50                     | 3.06  | 13.50                    | 14.50 |  |
| 2.50                     | 2.84  | 13.00                    | 13.14 |  |
| 2.00                     | 2.41  | 4.00                     | 2.31  |  |
| 3.00                     | 3.44  | 7.00                     | 5.44  |  |
| 2.50                     | 2.71  | 15.00                    | 12.10 |  |
| 3.50                     | 3.58  | 8.00                     | 6.79  |  |
| 3.50                     | 3.49  | 8.00                     | 6.02  |  |
| 2.00                     | 3.76  | 3.00                     | 1.21  |  |
| 4.00                     | 3.77  | 5.50                     | 5.49  |  |
| 4.00                     | 4.44  | 6.00                     | 3.56  |  |
| 4.00                     | 4.43  | 5.00                     | 4.35  |  |
| 4.00                     | 4.02  | 5.50                     | 4.00  |  |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                   | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|--|----------|--------------------------|-------|
|             |  |          | Guaranteed not less than | Found |
| 7725        | Red Rose Complete Turkey Grower                          | 11.07    | 20.00                    | 21.25 |
| 7528        | Red Rose 16 Dairy Feed                                   | 11.47    | 16.00                    | 17.25 |
| 8253        | Red Rose 18 Dairy Feed (Pellets)                         | 11.47    | 18.00                    | 20.00 |
| 8252        | Red Rose Equinader Supplement<br>Feed for Horses & Colts | 10.27    | 20.00                    | 22.00 |
| 7329        | Red Rose Fitting Ration                                  | 13.11    | 12.00                    | 13.50 |
| 7611        | Red Rose Goat Ration                                     | 12.42    | 14.00                    | 16.50 |
| 7588        | Red Rose Growing Mash                                    | 11.70    | 20.00                    | 20.75 |
| 7589        | Red Rose Horse Feed                                      | 15.00    | 9.00                     | 9.75  |
| 7328        | Red Rose Intermediate Chick<br>Grains                    | 14.89    | 9.00                     | 9.25  |
| 7531        | Red Rose Laying Mash                                     | 11.08    | 20.00                    | 21.50 |
| 8258        | Red Rose Milk Replacer                                   | 6.37     | 22.00                    | 22.50 |
| 7727        | Red Rose Pigeon Feed                                     | 12.66    | 12.00                    | 14.00 |
| 7726        | Red Rose Porkmaker                                       | 11.50    | 14.00                    | 15.50 |
| 7529        | Red Rose Rabbit Pellets                                  | 11.11    | 18.00                    | 19.31 |
| 8050        | Red Rose Rabbit Pellets<br>Medicated 710A                | 11.00    | 18.00                    | 18.00 |
| 8257        | Red Rose Rumenator (Dairy<br>Booster) Pellets            | 10.25    | 16.00                    | 17.75 |
| 7530        | Red Rose Scratch Grains                                  | 13.72    | 9.00                     | 9.50  |
| 7330        | Red Rose Starter & Grower                                | 12.69    | 20.00                    | 21.00 |
| 7609        | Red Rose 14 Test Cow Feed                                | 12.89    | 14.00                    | 14.75 |
| 8255        | Red Rose T-C Feed Medicated                              | 10.42    | 22.00                    | 23.50 |
| 7698        | Red Rose Turkey & Poultry<br>Fitting Feed                | 12.58    | 10.00                    | 10.00 |
| 8259        | Red Rose Wild Bird Feed                                  | 11.69    | 10.00                    | 11.75 |
| 8256        | S-O-S  | 10.97    | 11.00                    | 13.75 |
|             | EVANS MILLING CO., INC.,<br>Indianapolis, Ind.           |          |                          |       |
| 7503        | Emco Hominy Feed   | 11.62    | 10.00                    | 10.75 |
|             | EVANS PACKING CO.,<br>Dade City, Fla.                    |          |                          |       |
| 7880        | Evans Brand Citrus Pulp                                  | 8.77     | 6.00                     | 6.50  |
|             | FARM BUREAU ASSOCIATION,<br>Waltham, Mass.               |          |                          |       |
| 7282        | Farm Bureau Chick Starter Med.                           | 13.63    | 20.00                    | 20.00 |

~~~~~ Indicates deficiencies.

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| Fat                      |       | Fiber                    |       | Medicants                                                    |
|--------------------------|-------|--------------------------|-------|--------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                              |
| 4.00                     | 4.07  | 5.50                     | 3.98  |                                                              |
| 3.50                     | 4.31  | 9.50                     | 7.69  |                                                              |
| 3.25                     | 3.47  | 9.50                     | 8.43  |                                                              |
| 1.50                     | 2.33  | 9.00                     | 7.78  |                                                              |
| 3.50                     | 4.00  | 8.50                     | 7.52  |                                                              |
| 3.50                     | 4.09  | 8.50                     | 6.02  |                                                              |
| 4.00                     | 5.01  | 7.00                     | 4.67  |                                                              |
| 3.00                     | 3.09  | 8.00                     | 2.74  |                                                              |
| 2.00                     | 2.11  | 3.00                     | 1.69  |                                                              |
| 4.00                     | 4.29  | 5.50                     | 4.36  |                                                              |
| 1.00                     | 1.09  | 1.00                     | 0.40  |                                                              |
| 3.00                     | 3.10  | 4.00                     | 2.55  |                                                              |
| 3.50                     | 3.82  | 7.00                     | 4.77  |                                                              |
| 3.00                     | 4.28  | 10.00                    | 9.29  |                                                              |
| 3.00                     | 3.86  | 10.00                    | 8.01  | Sulfaquinoxaline: Guar.,<br>0.025%; found, <u>0.0138%</u> .  |
| 5.50                     | 5.56  | 7.00                     | 5.83  |                                                              |
| 2.00                     | 3.11  | 4.00                     | 2.48  |                                                              |
| 4.00                     | 4.01  | 6.00                     | 4.34  |                                                              |
| 4.00                     | 4.04  | 7.50                     | 5.69  |                                                              |
| 4.00                     | 4.41  | 5.00                     | 3.88  | Oxytetracycline: Guar., 0.05<br>gm. per lb.; not determined. |
| 3.00                     | 3.00  | 7.00                     | 4.40  |                                                              |
| 5.00                     | 5.16  | 6.00                     | 5.01  |                                                              |
| 2.00                     | 2.53  | 16.00                    | 15.01 |                                                              |
| 5.00                     | 5.60  | 7.00                     | 3.82  |                                                              |
| 2.50                     | 3.74  | 16.00                    | 10.36 |                                                              |
| 4.00                     | 4.20  | 4.50                     | 4.11  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0174%.         |

TABLE I. 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 |
| 7280                                                      | Farm Bureau Complete Grower Layer Mash Medicated                                       | 12.73         | 16.00                               | 16.50 |
| 7502                                                      | Farm Bureau Dairy 16%                                                                  | 12.56         | 16.00                               | 17.00 |
| 8329                                                      | Farm Bureau Hominy                                                                     | 10.27         | 10.00                               | 12.75 |
| 7501                                                      | Farm Bureau Rabbit Food Pellets                                                        | 11.00         | 18.00                               | 18.00 |
| 7281                                                      | Farm Bureau Rabbit Food Pellets Medicated                                              | 12.09         | 18.00                               | 20.00 |
| FISH PRODUCTS COMPANY OF<br>NEW JERSEY, Tuckerton, N.J.   |                                                                                        |               |                                     |       |
| 7498                                                      | Smith's Lifeline Brand Fish Meal Preserved with (Food Grade) Butylated Hydroxy Toluene | 8.93          | 60.00                               | 61.25 |
| FLORIDA CITRUS CANNERS CO-<br>OPERATIVE, Lake Wales, Fla. |                                                                                        |               |                                     |       |
| 8370                                                      | Lake Wales Brand Citrus Pulp                                                           | 8.47          | 6.00                                | 6.75  |
| FMS INCORPORATED,<br>Thomasville, Pa.                     |                                                                                        |               |                                     |       |
| 8110                                                      | FMS A Food for Baby Animals to be used in Place of Milk                                | 5.92          | 23.00                               | 24.00 |
| GENERAL FOODS CORP.,<br>Kankakee, Ill.                    |                                                                                        |               |                                     |       |
| 7482                                                      | Burt's Hominy Feed                                                                     | 11.07         | 9.00                                | 10.25 |
| GENERAL MILLS, INC.,<br>Minneapolis, Minn.                |                                                                                        |               |                                     |       |
| 8381                                                      | General Mills Inc., Adrian Wheat Red Dog                                               | 11.00         | 16.00                               | 18.00 |
| 7711                                                      | General Mills Inc., Wheat Bran With Ground Wheat Screenings                            | 11.52         | 15.00                               | 17.00 |
| 7693                                                      | General Mills Inc., Wheat Middlings With Ground Wheat Screenings                       | 12.56         | 15.00                               | 15.25 |
| 8202                                                      | Purity Oat Mill By Product                                                             | 8.88          | 3.00                                | 3.00  |
| 7643                                                      | Purity Pulverized White Oats                                                           | 9.89          | 12.00                               | 12.00 |
| 7713                                                      | Washburn's Gold Medal Wheat Middlings With Ground Wheat Screenings                     | 11.00         | 15.00                               | 16.00 |

~~~~~ Indicates deficiencies.

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| Fat                                 |             | Fiber                               |              | Medicants   |
|-------------------------------------|-------------|-------------------------------------|--------------|---|
| Guaran-<br>teed not<br>less<br>than | Found       | Guaran-<br>teed not<br>more<br>than | Found        |   |
| 4.00                                | 4.03        | 4.50                                | 3.99         | Arsanilic acid: Guar., 0.010%;<br>found, 0.0095%.   |
| 3.50                                | 3.66        | 8.00                                | 5.52         |   |
| 6.00                                | 6.38        | 6.00                                | 4.26         |   |
| 2.50                                | 3.56        | 18.00                               | 12.39        |   |
| 2.50                                | 3.76        | 18.00                               | 11.51        | Sulfaquinoxaline: Guar.,<br>0.015%; found, 0.0125%. |
| 5.00                                | 8.76        | 3.00                                | 0.50         |   |
| 2.00                                | 2.46        | 16.00                               | 11.83        |   |
| 0.50                                | 0.86        | 0.25                                | 0.18         |   |
| 5.00                                | 5.76        | 6.00                                | 3.76         |   |
| 3.50                                | 4.48        | 4.00                                | 3.37         |   |
| 3.00                                | 3.47        | 12.00                               | 9.16         |   |
| 3.50                                | 4.49        | 9.50                                | 6.72         |   |
| 1.00                                | 0.98        | 32.00                               | 31.13        |   |
| 4.50                                | <u>4.09</u> | 13.00                               | <u>15.47</u> |   |
| 3.50                                | 3.76        | 9.50                                | 6.75         |   |



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 |
| 7415        | GLOUCESTER BY-PRODUCTS,<br>INC., Gloucester, Mass.<br>Globpro Brand 60% Protein Fish<br>Meal | 7.59          | 60.00                               | 63.50 |
| 7457        | GOLDEN GEM GROWERS, INC.,<br>Umatilla, Fla.<br>Golden Gems Sweet Dried Citrus<br>Pulp        | 9.12          | 6.00                                | 7.00  |
| 7580        | D. H. GRANDIN MILLING CO.,<br>Jamestown, N. Y.<br>Grandin's Dairy Maid 16                    | 13.89         | 16.00                               | 16.88 |
| 7339        | Grandin's 14 Fit-Fresh Produce   | 13.99         | 14.00                               | 17.00 |
| 7338        | Grandin's 14% Fitting Ration   | 13.37         | 14.00                               | 14.00 |
| 7687        | Grandin's Hi-Pro Pellets   | 10.96         | 22.00                               | 19.00 |
| 7581        | Grandin's 16 Milk Maker  | 12.70         | 16.00                               | 15.50 |
| 7337        | Grandin's 16 Milk Producer   | 13.80         | 16.00                               | 17.50 |
| 7587        | Grandin's Pig & Sow Feed   | 11.67         | 18.00                               | 20.00 |
| 7336        | Grandin's Summit Test Ration   | 12.91         | 16.00                               | 17.25 |
| 7582        | Grandin's Super Complete Grow<br>& Lay   | 11.59         | 17.00                               | 16.00 |
| 7586        | Grandin's Super Layer  | 12.09         | 21.00                               | 21.75 |
| 7583        | Grandin's Super-Tone   | 11.09         | 18.00                               | 18.75 |
| 7893        | GRANITE CITY CO-OP<br>CREAMERY, Barre, Vt.<br>Roller Process Non Fat Dry Skim<br>Milk        | 6.59          |                                     | 33.75 |
| 7723        | THE GREAT ATLANTIC &<br>PACIFIC TEA CO., INC.<br>New York, N. Y.<br>Daily Egg Laying Mash    | 9.87          | 20.00                               | 15.50 |
| 7616        | GREAT STAR FLOUR MILLS,<br>LTD., St. Marys, Ont., Can.<br>Great Star Shorts                  | 12.03         | 14.00                               | 16.75 |
| 8186        | HAFFENREFFER & CO., INC.<br>Boston 30, Mass.<br>Haffenreffer Brewer's Dried Yeast            | 8.50          | 40.00                               | 45.25 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|-----------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |           |
| 8.00                                | 7.64  | 1.00                                | 0.26  |           |
| 2.50                                | 2.94  | 11.00                               | 9.69  |           |
| 2.50                                | 3.75  | 9.00                                | 7.05  |           |
| 3.50                                | 3.76  | 8.00                                | 7.39  |           |
| 2.50                                | 2.66  | 9.00                                | 8.34  |           |
| 3.00                                | 3.76  | 5.00                                | 4.04  |           |
| 2.50                                | 2.81  | 9.00                                | 7.69  |           |
| 3.50                                | 3.09  | 9.00                                | 7.67  |           |
| 3.50                                | 3.66  | 10.00                               | 4.66  |           |
| 3.50                                | 3.16  | 8.00                                | 7.60  |           |
| 3.50                                | 4.01  | 4.00                                | 5.07  |           |
| 3.50                                | 3.77  | 4.00                                | 3.49  |           |
| 3.00                                | 3.01  | 8.00                                | 8.42  |           |
|                                     | 0.97  |                                     | 0.12  |           |
| 3.00                                | 3.91  | 7.50                                | 6.75  |           |
| 5.00                                | 5.50  | 8.00                                | 7.31  |           |
| 0.50                                | 0.54  | 5.50                                | 4.53  |           |

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 |
|             | HALES & HUNTER CO.,<br>Chicago, Ill.     |               |                                     |       |
| 8104        | Pioneer Beef Fitting Ration              | 15.65         | 12.00                               | 13.50 |
| 8125        | Pioneer Calf Starter                     | 13.17         | 18.00                               | 18.00 |
| 7540        | Pioneer 16 Dairy                         | 12.89         | 16.00                               | 16.00 |
| 7538        | Pioneer 16 Dairy NE                      | 13.25         | 16.00                               | 14.50 |
| 8115        | Pioneer 18 Dairy Production              | 13.27         | 18.00                               | 18.00 |
| 8116        | Pioneer Dry & Freshening                 | 12.85         | 12.00                               | 12.75 |
| 7902        | Pioneer 14 High Energy Dairy             | 12.93         | 14.00                               | 15.25 |
| 8117        | Pioneer 14 High Energy Dairy NE          | 13.03         | 14.00                               | 14.00 |
| 8107        | Pioneer Hog Finisher                     | 11.04         | 12.00                               | 13.25 |
| 7903        | Pioneer Horse Feed                       | 12.82         | 12.00                               | 12.50 |
| 8102        | Pioneer 16 Milker                        | 12.36         | 16.00                               | 16.25 |
| 7535        | Pioneer 16 Milker Pellets                | 11.33         | 16.00                               | 18.75 |
| 7537        | Pioneer 16 Milker Pellets NE             | 11.75         | 16.00                               | 17.00 |
| 7536        | Pioneer Milk Replacer Medicated          | 5.00          | 23.00                               | 23.75 |
| 8061        | Pioneer Pig Gro-Pel Medicated            | 10.36         | 16.00                               | 17.50 |
| 8106        | Pioneer Rabbit Pellets                   | 10.16         | 16.00                               | 16.00 |
| 8123        | Pioneer Sup-Pel Pellets                  | 11.67         | 18.00                               | 19.25 |
| 8178        | Pioneerway Dry & Fresh                   | 12.42         | 12.00                               | 13.50 |
| 8150        | Pioneerway Horse Feed                    | 12.96         | 12.00                               | 13.25 |
| 7550        | Red Comb Broiler Starter AM<br>Medicated | 12.76         | 23.00                               | 24.50 |
| 8640        | Red Comb Chick Starter ZC<br>Medicated   | 10.87         | 20.00                               | 20.25 |
| 7539        | Red Comb Complete Grower                 | 11.86         | 15.00                               | 17.25 |
| 7276        | Red Comb Complete Layer 15<br>Medicated  | 11.64         | 15.00                               | 15.25 |
| 8060        | Red Comb Complete Layer 16<br>Medicated  | 10.07         | 16.00                               | 18.00 |
| 8105        | Red Comb Scratch Feed                    | 13.52         | 9.00                                | 9.75  |
|             | HAYWARD, INC.,<br>Oak Harbor, Ohio       |               |                                     |       |
| 7872        | Hayward's Dehydrated Alfalfa<br>Meal     | 8.76          | 18.00                               | 18.00 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1962

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 2.00                                | 3.06  | 5.00                                | 3.63  |  |
| 2.50                                | 3.19  | 7.00                                | 4.75  |  |
| 3.00                                | 3.06  | 9.00                                | 5.90  |  |
| 3.00                                | 3.06  | 8.00                                | 5.48  |  |
| 3.00                                | 3.04  | 8.00                                | 5.32  |  |
| 2.50                                | 3.36  | 8.00                                | 6.62  |  |
| 3.00                                | 2.76  | 8.00                                | 4.26  |  |
| 3.00                                | 2.98  | 9.00                                | 6.33  |  |
| 3.00                                | 4.52  | 4.00                                | 3.06  |  |
| 2.50                                | 3.25  | 8.00                                | 6.45  |  |
| 2.50                                | 3.01  | 10.00                               | 8.60  |  |
| 2.00                                | 3.13  | 13.00                               | 8.81  |  |
| 2.50                                | 2.94  | 12.00                               | 9.06  |  |
| 10.00                               | 10.00 | 1.00                                | 0.49  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.025 gm. per lb.;<br>not determined. |
| 3.00                                | 4.99  | 5.00                                | 3.02  | Arsanilic acid: Guar.,<br>0.0100%; found, 0.0099%.                                 |
| 2.00                                | 2.75  | 15.00                               | 4.78  |  |
| 3.00                                | 2.79  | 8.00                                | 6.48  |  |
| 2.50                                | 3.28  | 8.00                                | 6.47  |  |
| 2.50                                | 3.16  | 8.00                                | 7.10  |  |
| 5.00                                | 5.09  | 3.50                                | 2.53  | Amprolium: Guar., 0.0125%;<br>found, 0.0133%.                                      |
| 3.50                                | 6.11  | 6.00                                | 5.92  | Zoalene: Guar., 0.0083%;<br>found, 0.0079%.  |
| 3.00                                | 4.50  | 7.00                                | 7.90  |  |
| 3.50                                | 3.79  | 5.50                                | 4.19  | Arsanilic acid: Guar., 0.010%;<br>found, 0.0110%.                                  |
| 3.50                                | 4.51  | 5.50                                | 4.13  | Arsanilic acid: Guar., 0.010%;<br>found, 0.0065%.                                  |
| 2.00                                | 3.88  | 5.00                                | 4.72  |  |
| 1.75                                | 3.28  | 23.00                               | 22.83 |  |

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        |
|             | HI-ACRES CONCENTRATE, INC.,<br>Orlando, Fla.                   |               |                                     |              |
| 7743        | Hi-Acres All Sweet Dried Citrus<br>Pulp                        | 10.44         | 6.00                                | 6.75         |
| 7300        | Hi-Acres All Sweet Dried Citrus<br>Pulp                        | 11.52         | 6.00                                | 6.75         |
|             | H. P. HOOD & SONS, INC.,<br>Dunedin, Fla.                      |               |                                     |              |
| 7694        | Hood Citrus Pulp   | 8.96          | 6.00                                | 6.50         |
| 8103        | Hood Milk Replacer   | 7.66          | 28.00                               | <u>26.75</u> |
|             | E. C. & W. L. HOPKINS, INC.,<br>Greenfield, N. H.              |               |                                     |              |
| 8247        | P & Q (Price) (Quality) 16%<br>Dairy Feed (Pellets)            | 11.24         | 16.00                               | 16.00        |
|             | THE HUBINGER COMPANY,<br>Keokuk, Iowa                          |               |                                     |              |
| 8200        | Ke OK uk Brand Corn Gluten Meal                                | 9.51          | 41.00                               | 41.25        |
| 8193        | Ke OK uk Brand 21% Protein Corn<br>Gluten Feed                 | 9.75          | 21.00                               | 21.75        |
|             | ILLINOIS CEREAL MILLS,<br>Paris, Ill.                          |               |                                     |              |
| 8179        | Hominy   | 11.89         | 10.00                               | 10.75        |
| 7517        | Hominy Feed  | 11.59         | 10.00                               | 11.75        |
|             | INTERNATIONAL MILLING CO.,<br>Minneapolis 2, Minn.             |               |                                     |              |
| 7541        | Blackhawk Wheat Bran with Mixed<br>Screenings                  | 12.24         | 13.50                               | 14.25        |
| 7351        | Blackhawk Wheat Middlings with<br>Ground Mixed Screenings      | 13.32         | 14.00                               | 17.75        |
| 7468        | Target Wheat Red Dog   | 12.64         | 15.00                               | 18.00        |
|             | KELLOGG COMPANY OF CAN-<br>ADA, LTD.,<br>London, Ontario, Can. |               |                                     |              |
| 7398        | Hominy Feed  | 10.50         | 10.00                               | 10.75        |

~~~~~ Indicates deficiencies.

| Guaran-<br>teed not<br>less<br>than | Fat<br>Found | Guaran-<br>teed not<br>more<br>than | Fiber<br>Found | Medicants |
|-------------------------------------|--------------|-------------------------------------|----------------|-----------|
|                                     |              |                                     |                |           |
| 3.00                                | 2.76         | 11.00                               | 10.68          |           |
| 2.75                                | 3.38         | 15.00                               | 10.86          |           |
| 3.50                                | 3.88         | 1.50                                | 1.47           |           |
| 4.00                                | 4.81         | 6.50                                | 5.99           |           |
| 1.00                                | 1.88         | 6.00                                | 3.99           |           |
| 1.00                                | 2.01         | 10.00                               | 7.11           |           |
| 5.00                                | 5.61         | 6.00                                | 4.11           |           |
| 5.00                                | 6.27         | 6.00                                | 4.71           |           |
| 2.50                                | 3.86         | 12.00                               | 9.31           |           |
| 3.00                                | 4.22         | 9.50                                | 6.76           |           |
| 2.00                                | 4.21         | 4.00                                | 3.45           |           |
| 9.00                                | 10.06        | 4.50                                | 4.04           |           |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                                               | Moisture | Protein (N x 6.25)       |       |
|-------------|------------------------------------------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                                                      |          | Guaranteed not less than | Found |
| 7410        | KEYSTONE DEHYDRATORS, Nazareth, Pa.<br>Keystone Super Green Dehydrated Alfalfa Meals with Ethoxyquin | 8.65     | 17.00                    | 17.00 |
| 7656        | KRAFT FOODS, Div. of Nat'l. Dairy Prod. Corp., New York, N. Y.<br>Kaff-A-Booster Pellets             | 11.11    | 26.00                    | 27.25 |
| 7899        | Pace Booster Pellets for Horses, Ponies & Colts                                                      | 10.94    | 25.00                    | 27.50 |
| 7454        | CHARLES A. KRAUSE MILLING CO., Milwaukee, Wis.<br>Badger Yellow Hominy Feed                          | 10.71    | 10.00                    | 12.50 |
| 7408        | KUDER PULP SALES CO., Lake Alfred, Fla.<br>Kuder Dried Citrus Pulp High Sugar                        | 10.80    | 6.00                     | 7.56  |
| 7881        | LAUHOFF GRAIN CO., Danville, Ill.<br>Vermilion Hominy Feed                                           | 11.26    | 9.00                     | 10.50 |
| 7892        | THE LIBNER GRAIN CO., Norwalk, Conn.<br>Libner's Blue Ribbon Horse & Calf Ration                     | 11.59    | 10.50                    | 11.25 |
| 7891        | Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil                                                | 10.66    | 20.00                    | 21.25 |
| 7480        | MACHNICKI'S GRAIN STORE, Jewett City, Conn.<br>Machnicki Calf Starter                                | 13.49    | 15.00                    | 15.50 |
| 8250        | Machnicki's Dry & Fresh                                                                              | 14.50    | 12.00                    | 12.75 |
| 7483        | Machnicki's Hi Energy All Mash Layer                                                                 | 12.04    | 15.00                    | 15.75 |
| 7486        | Machnicki Hi-Q 16% Dairy                                                                             | 13.91    | 16.00                    | 14.75 |
| 7558        | Master Made Prime Finisher Medicated                                                                 | 13.21    | 15.00                    | 15.50 |

~~~~~ Indicates deficiencies.

INSPECTION OF 1962

| Fat                      |       | Fiber                    |       | Medicants                                  |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found |  |
| 2.00                     | 3.61  | 27.00                    | 24.11 |  |
| 4.50                     | 6.07  | 3.50                     | 2.58  |  |
| 5.00                     | 5.52  | 3.50                     | 0.73  |  |
| 5.00                     | 6.21  | 6.00                     | 4.23  |  |
| 2.50                     | 2.82  | 15.00                    | 10.83 |  |
| 5.00                     | 5.61  | 6.00                     | 4.65  |  |
| 3.50                     | 3.63  | 7.00                     | 6.97  |  |
| 3.00                     | 4.04  | 6.50                     | 5.96  |  |
| 3.00                     | 3.37  | 7.00                     | 4.88  |  |
| 3.00                     | 2.82  | 11.00                    | 3.26  |  |
| 3.50                     | 3.80  | 4.00                     | 2.34  |  |
| 3.00                     | 3.21  | 5.00                     | 2.29  |  |
| 4.50                     | 4.60  | 4.00                     | 2.03  | Amprolium: Guar., 0.0125%; found, 0.0142%. |

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        |
| 7400        | THE MANITOBA SUGAR CO.,<br>LTD., Winnipeg, Manitoba,<br>Canada |               |                                     |              |
|             | Molasses Dried Beet Pulp                                       | 11.05         | 7.00                                | 10.00        |
| 7901        | Plain Dried Beet Pulp  | 9.71          | 7.00                                | 9.25         |
| 8382        | MAXON MILLS, INC.,<br>Wassaic, N. Y.                           |               |                                     |              |
|             | Maxon 16% Test   | 11.66         | 16.00                               | 16.00        |
| 8185        | MILK SPECIALTIES, INC.,<br>Dundee, Ill.                        |               |                                     |              |
|             | Dari-Dri Veal Formula  | 4.15          | 23.00                               | 23.00        |
| 7419        | MILLER ALFALFA CO.,<br>Mark Center, Ohio                       |               |                                     |              |
|             | 17% Miller's Choice Brand De-<br>hydrated Alfalfa Meal         | 8.01          | 17.00                               | 16.75        |
| 7384        | MINER-HILLARD MILLING CO.,<br>Wilkes-Barre, Pa.                |               |                                     |              |
|             | Choice Steam Cooked Hominy Feed                                | 10.86         | 10.00                               | 11.00        |
| 8195        | MINNESOTA LINSEED OIL CO.,<br>Minneapolis 21, Minn.            |               |                                     |              |
|             | Minnesota Solvent Extracted Lin-<br>seed Meal 34% Protein      | 12.05         | 34.00                               | <u>31.25</u> |
| 8132        | MOLSON'S BREWERY, LTD.,<br>Montreal, Canada                    |               |                                     |              |
|             | Molson's Brewers Dried Grains                                  | 9.01          | 24.00                               | 24.00        |
| 8357        | GEO. Q. MOON & CO., INC.,<br>Binghamton, N. Y.                 |               |                                     |              |
|             | Moon Baby Chick Grains   | 12.98         | 10.00                               | 10.50        |
| 7890        | Moon Complete Laying Mash<br>(Pellets)                         | 11.01         | 16.00                               | 16.00        |
| 7335        | Cracked Corn and Wheat   | 13.57         | 9.00                                | 9.00         |
| 7889        | Moon 20% Dairy Ration  | 10.42         | 20.00                               | 20.00        |
| 8356        | Moon Hog Feed  | 10.43         | 15.00                               | 15.50        |

~~~~~ Indicates deficiencies

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| Guaran-<br>teed not<br>less<br>than | Fat<br>Found | Guaran-<br>teed not<br>more<br>than | Fiber<br>Found | Medicants |
|-------------------------------------|--------------|-------------------------------------|----------------|-----------|
|                                     |              |                                     |                |           |
| 0.30                                | 1.29         | 22.50                               | 19.73          |           |
| 4.00                                | 3.81         | 9.00                                | 5.20           |           |
| 20.00                               | 21.20        | 0.25                                | 0.20           |           |
| 1.50                                | 2.08         | 27.00                               | 23.30          |           |
| 5.00                                | 6.76         | 5.00                                | 4.42           |           |
| 0.50                                | 1.46         | 10.00                               | 9.01           |           |
| 7.00                                | <u>6.54</u>  | 14.50                               | 12.73          |           |
| 1.50                                | <u>0.89</u>  | 2.50                                | 1.01           |           |
| 4.50                                | <u>4.24</u>  | 6.50                                | 6.07           |           |
| 2.00                                | 2.74         | 4.00                                | 1.79           |           |
| 3.50                                | 4.62         | 10.00                               | 7.43           |           |
| 3.00                                | 4.56         | 7.50                                | 6.92           |           |

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 |
| 8355        | Moon Horse Feed                                                                                            | 12.50         | 9.00                                | 11.00 |
| 8354        | Moon Laying Mash                                                                                           | 10.46         | 22.00                               | 22.50 |
| 7332        | Moon Rabbit Pellets                                                                                        | 11.62         | 15.00                               | 17.00 |
| 7331        | Moon Scratch Feed                                                                                          | 14.01         | 10.00                               | 9.50  |
|             | MOWAT, WILSON & CO.,<br>Detroit 35, Mich.                                                                  |               |                                     |       |
| 7894        | Dried Beet Pulp                                                                                            | 10.74         | 7.00                                | 8.75  |
|             | NATIONAL ALFALFA DEHY-<br>DRATING CO., Kansas<br>City, Mo.                                                 |               |                                     |       |
| 8194        | Krumbles                                                                                                   | 7.14          | 13.00                               | 16.00 |
| 8196        | National 15% Protein Dehydrated<br>Alfalfa Meal                                                            | 8.15          | 15.00                               | 17.50 |
| 7707        | National 18% Hi-N Dehydrated<br>Alfalfa Meal (Pellets)                                                     | 9.20          | 18.00                               | 18.00 |
|             | NATIONAL BISCUIT CO.,<br>Toledo, Ohio                                                                      |               |                                     |       |
| 7644        | Namico                                                                                                     | 13.49         | 14.00                               | 14.25 |
| 7369        | Pure Wheat Bran                                                                                            | 11.52         | 13.00                               | 13.75 |
|             | NATIONAL DISTILLERS PRO-<br>DUCTS CO., Div. of National<br>Distillers & Chemical Corp.,<br>New York, N. Y. |               |                                     |       |
| 7667        | Corn Distillers Dried Grains                                                                               | 8.79          | 25.00                               | 25.25 |
|             | NATIONAL OATS CO.,<br>Cedar Rapids, Iowa                                                                   |               |                                     |       |
| 8199        | Red-3 Reground Oat Mill By-<br>Product                                                                     | 9.09          | 3.00                                | 3.00  |
|             | NOPCO CHEMICAL CO.,<br>Newark, N. J.                                                                       |               |                                     |       |
| 8188        | Nopco-Pak Hi-Lay Premix Code<br>EZW                                                                        | 4.58          | 2.00                                | 11.75 |
| 8187        | Nopco Pak Super Premix Code FGY                                                                            | 6.31          | 1.00                                | 15.50 |
| 7652        | Nopdex "3000" Source of Vita-<br>min D <sup>3</sup>                                                        | 10.22         | 10.00                               | 8.75  |

~~~~~ Indicates deficiencies.

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| Guaran-<br>teed not<br>less<br>than | Fat<br>Found | Fiber                               |       | Medicants |
|-------------------------------------|--------------|-------------------------------------|-------|-----------|
|                                     |              | Guaran-<br>teed not<br>more<br>than | Found |           |
| 1.50                                | 3.23         | 10.00                               | 6.80  |           |
| 4.00                                | 3.26         | 6.50                                | 5.96  |           |
| 2.50                                | 3.59         | 12.00                               | 10.15 |           |
| 2.00                                | 3.57         | 5.00                                | 2.63  |           |
| 0.30                                | 0.59         | 22.50                               | 20.37 |           |
| 1.50                                | 3.98         | 33.00                               | 19.66 |           |
| 1.50                                | 3.14         | 30.00                               | 20.19 |           |
| 2.00                                | 3.32         | 23.00                               | 22.50 |           |
| 3.50                                | 4.76         | 9.00                                | 6.38  |           |
| 3.00                                | 3.52         | 10.00                               | 8.44  |           |
| 7.00                                | 7.85         | 15.00                               | 11.50 |           |
| 1.00                                | 1.19         | 32.00                               | 30.59 |           |
| 0.50                                | 3.68         | 16.00                               | 5.24  |           |
| 1.00                                | 1.91         | 25.00                               | 10.21 |           |
| 0.50                                | 1.86         | 37.00                               | 30.55 |           |



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 |
|             | NORTHERN OHIO SUGAR CO.,<br>Denver, Col.  |               |                                     |       |
| 7706        | GW Dried Beet Pulp                        | 11.71         | 8.00                                | 9.25  |
| 8133        | GW Dried Beet Pulp & Beet<br>Molasses     | 4.50          | 8.50                                | 10.50 |
|             | OGDEN GRAIN CO., Utica, N. Y.             |               |                                     |       |
| 7450        | Ogden Complete Chick Starter<br>Medicated | 10.49         | 20.00                               | 20.75 |
| 8172        | Ogden Complete Layer Medicated            | 11.59         | 16.00                               | 16.00 |
| 7359        | Ogden Hi-Energy Laying                    | 11.69         | 16.00                               | 16.00 |
| 8375        | Ogden 16% Hi-Kal Dairy Ration             | 10.65         | 16.00                               | 17.75 |
| 7574        | Ogden Hi-Value Complete Grower            | 12.89         | 16.00                               | 17.00 |
| 7577        | Ogden Hi-Value Complete Layer             | 12.61         | 16.00                               | 16.50 |
| 7356        | Ogden Horse Feed                          | 12.86         | 10.00                               | 10.00 |
| 7573        | Ogden Life Span 15                        | 14.31         | 15.00                               | 15.50 |
| 7578        | Ogden Medicated Complete Calf<br>Starter  | 12.81         | 18.00                               | 18.00 |
| 8378        | Ogden Milk Replacer                       | 4.01          | 21.00                               | 21.00 |
| 7358        | Ogden Premium Dry & Freshening<br>Ration  | 12.64         | 14.00                               | 15.00 |
| 7579        | Ogden Premium 20% Milk Ration             | 13.80         | 20.00                               | 20.00 |
| 8372        | Ogden Premium 16 Pel-Flake                | 12.18         | 16.00                               | 16.75 |
| 8371        | Ogden Premium Test Cow 16                 | 11.39         | 16.00                               | 16.00 |
| 7575        | Ogden Rabbit Pellets                      | 11.98         | 18.00                               | 18.00 |
| 7576        | Ogden Reliable 16 Dairy Ration            | 12.95         | 16.00                               | 16.75 |
| 7360        | Ogden Scratch Grains                      | 13.50         | 9.00                                | 9.00  |
| 7361        | Ogden Super Hi-Energy Laying<br>Feed      | 11.52         | 20.00                               | 20.25 |
| 8374        | Super Pig Ration                          | 10.71         | 14.00                               | 14.75 |
|             | OHIO BLENDERS, INC.,<br>Toledo 11, Ohio   |               |                                     |       |
| 7608        | Big "O" Dehydrated Alfalfa (Pellets)      | 9.24          | 17.00                               | 17.00 |
|             | PASCO PACKING CO.,<br>Dade City, Fla.     |               |                                     |       |
| 7709        | O-Mi-O Citrus Pulp                        | 9.95          | 6.00                                | 6.75  |
| 7385        | Sugar Sweet Citrus Pulp                   | 10.57         | 6.00                                | 6.50  |

~~~~~ Indicates deficiencies.

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                 |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                           |
|                                     |       |                                     |       |                                                                                                           |
|                                     |       | 22.50                               | 19.34 |                                                                                                           |
|                                     |       | 18.00                               | 15.04 |                                                                                                           |
| 3.00                                | 3.36  | 4.50                                | 5.08  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0198%.<br>Arsanilic acid: Guar., 0.010%;<br>found, 0.0095%. |
| 3.50                                | 3.62  | 3.50                                | 3.80  |                                                                                                           |
| 4.50                                | 4.11  | 3.50                                | 4.36  |                                                                                                           |
| 4.00                                | 3.31  | 8.00                                | 6.44  |                                                                                                           |
| 3.00                                | 3.82  | 5.50                                | 5.51  |                                                                                                           |
| 3.00                                | 3.47  | 5.50                                | 5.50  |                                                                                                           |
| 3.00                                | 4.04  | 9.00                                | 11.67 |                                                                                                           |
| 3.50                                | 4.17  | 8.00                                | 6.00  |                                                                                                           |
| 3.00                                | 4.19  | 8.00                                | 5.94  |                                                                                                           |
| 8.50                                | 9.30  | 0.50                                | 0.23  |                                                                                                           |
| 4.00                                | 4.11  | 8.00                                | 7.31  |                                                                                                           |
| 3.50                                | 3.51  | 8.00                                | 6.52  |                                                                                                           |
| 4.00                                | 3.61  | 8.00                                | 6.00  |                                                                                                           |
| 4.00                                | 4.07  | 8.00                                | 6.20  |                                                                                                           |
| 3.00                                | 3.19  | 12.00                               | 8.57  |                                                                                                           |
| 3.00                                | 3.13  | 9.00                                | 8.14  |                                                                                                           |
| 3.00                                | 3.16  | 6.00                                | 2.84  |                                                                                                           |
| 4.50                                | 4.81  | 4.00                                | 4.58  |                                                                                                           |
| 3.50                                | 3.83  | 7.00                                | 5.09  |                                                                                                           |
| 1.50                                | 3.49  | 27.00                               | 22.63 |                                                                                                           |
| 3.00                                | 3.04  | 16.00                               | 11.11 |                                                                                                           |
| 3.00                                | 4.73  | 13.50                               | 11.35 |                                                                                                           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                           | Moisture | Protein (N x 6.25)       |       |
|-------------|--------------------------------------------------|----------|--------------------------|-------|
|             |                                                  |          | Guaranteed not less than | Found |
| 7303        | PENICK & FORD, LTD., INC.<br>Cedar Rapids, Iowa  |          |                          |       |
|             | Douglas Corn Gluten Meal                         | 10.40    | 41.00                    | 46.25 |
| 7304        | 21% Protein Douglas Corn Gluten Feed             | 11.13    | 21.00                    | 21.00 |
|             | THE PILLSBURY CO.,<br>Minneapolis, Minn.         |          |                          |       |
| 8181        | Middlings                                        | 11.07    | 14.50                    | 14.75 |
| 7873        | Pillsbury's Wheat Germ Meal                      | 11.71    | 25.00                    | 25.00 |
|             | PILLSBURY CANADA LTD.,<br>Midland, Ontario, Can. |          |                          |       |
| 7422        | Dandy Wheat Bran                                 | 12.61    | 14.00                    | 15.50 |
|             | PRAIRIE DEHYDRATED CO.,<br>Roanoke, Ill.         |          |                          |       |
| 8260        | Prairie 20% Dehydrated Alfalfa Meal              | 8.81     | 20.00                    | 20.00 |
|             | THE QUAKER OATS CO.,<br>Chicago 54, Ill.         |          |                          |       |
| 7590        | Ful-O-Pep Derwood Horse Crunch                   | 11.59    | 15.00                    | 15.00 |
|             | RALSTON-PURINA COMPANY<br>St. Louis, Mo.         |          |                          |       |
| 7605        | 41% Protein Solvent Extracted Cottonseed Meal    | 9.81     | 41.00                    | 41.25 |
| 7710        | 44% Protein Solvent Extracted Soybean Meal       | 10.91    | 44.00                    | 46.38 |
| 8367        | Checkerboard Pasture Ration L (Pellets) 1539     | 9.33     | 16.00                    | 16.00 |
| 7601        | Northeastern Scratch Feed 6735                   | 13.26    | 9.00                     | 9.75  |
| 8602        | Purina Baby Pig Chow Medicated (2002)            | 7.96     | 18.00                    | 18.00 |
| 7395        | Purina B & M Cow Chow G (1432)                   | 12.75    | 16.00                    | 16.50 |
| 8325        | Purina Breeder Eggena NE                         | 9.47     | 16.00                    | 16.75 |

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| Fat                      |       | Fiber                    |       | Medicants                                                           |
|--------------------------|-------|--------------------------|-------|---------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                     |
| 1.50                     | 1.99  | 6.00                     | 3.55  |                                                                     |
| 1.00                     | 2.51  | 10.00                    | 7.32  |                                                                     |
| 3.50                     | 4.57  | 9.50                     | 6.82  |                                                                     |
| 8.00                     | 7.86  | 4.00                     | 4.00  |                                                                     |
| 3.50                     | 4.37  | 11.50                    | 8.86  |                                                                     |
| 1.50                     | 3.96  | 27.00                    | 19.26 |                                                                     |
| 4.00                     | 4.32  | 10.00                    | 9.94  |                                                                     |
| 1.00                     | 2.46  | 14.00                    | 11.00 |                                                                     |
| 0.50                     | 0.98  | 7.00                     | 6.22  |                                                                     |
| 2.50                     | 3.99  | 12.00                    | 9.32  |                                                                     |
| 2.00                     | 2.70  | 5.00                     | 3.68  |                                                                     |
| 5.00                     | 5.79  | 3.00                     | 1.73  | Oxytetracycline: Guar., 0.025 gm. per lb.; not determined.          |
| 2.50                     | 3.15  | 10.00                    | 5.63  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0049%. |
| 3.00                     | 5.93  | 4.50                     | 2.63  |                                                                     |

TABLE I. 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 |
| 7552        | Purina Broiler Chow MP Medi-<br>cated 7105                   | 11.51         | 20.00                               | 21.00 |
| 8644        | Purina Broiler Chow Finisher<br>No. 1 MP Medicated           | 10.38         | 20.00                               | 22.00 |
| 7548        | Purina Broiler Chow Starter<br>MP (7009)                     | 10.92         | 23.00                               | 23.50 |
| 8607        | Purina Broiler Chow Starter NC<br>Medicated 7003             | 12.26         | 23.00                               | 24.63 |
| 7747        | Purina Bulky Las                                             | 11.84         | 10.00                               | 10.50 |
| 7715        | Purina Calf Startena (Coarse) 1012                           | 11.35         | 19.50                               | 20.00 |
| 7515        | Purina Calf Startena 1014                                    | 10.66         | 19.50                               | 20.00 |
| 7516        | Purina Chick Chow (Coarse) 6715                              | 13.59         | 9.00                                | 9.00  |
| 7765        | Purina Chick Chow (Fine)                                     | 12.00         | 9.00                                | 9.75  |
| 7396        | Purina Chick Growena 6101                                    | 10.89         | 17.00                               | 17.00 |
| 8638        | Purina Chick Growena ZO<br>Medicated 6109                    | 11.33         | 17.00                               | 17.50 |
| 8645        | Purina Chick Startena ZO-V<br>Medicated 6011                 | 11.86         | 18.00                               | 19.75 |
| 7748        | Purina Cow Chow D (B) 16%<br>(Pellets) 1420                  | 11.66         | 16.00                               | 16.00 |
| 7519        | Purina Cow Chow D (U) 16%<br>(Pellets) 1421                  | 11.50         | 16.00                               | 16.50 |
| 7750        | Purina Cow Chow D (U) 20%<br>(Pellets) 1425                  | 11.07         | 20.00                               | 20.50 |
| 7875        | Purina Cow Chow Concentrate<br>G 32% 1901                    | 10.66         | 32.00                               | 32.00 |
| 8323        | Purina Dairy Chow L 14% (Coarse)                             | 10.11         | 14.00                               | 14.00 |
| 7752        | Purina Dairy Chow L 16% (Pellets)                            | 10.10         | 16.00                               | 17.00 |
| 7372        | Purina D & F Chow (Coarse) 1101                              | 10.06         | 12.50                               | 13.75 |
| 7712        | Purina D & F Chow 1120                                       | 10.67         | 12.15                               | 14.25 |
| 8717        | Purina .0023% Dien Mixture in<br>Purina Roaster Chow NC 7352 | 10.91         | 15.00                               | 17.25 |
| 7606        | Purina Duck Growena B 8815                                   | 10.56         | 16.00                               | 17.25 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 3.00                                | 5.17  | 5.00                                | 2.57  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%.   |
| 4.50                                | 6.34  | 4.50                                | 2.19  | Amprolium: Guar., 0.0125%;<br>found, 0.0142%.   |
| 4.50                                | 6.93  | 4.50                                | 2.40  | Amprolium: Guar., 0.0125%;<br>found, 0.0135%.   |
| 4.50                                | 3.37  | 4.50                                | 2.36  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.005%;<br>found, 0.0054%. Nicarbazin:<br>Guar., 0.0125%; found, 0.0146% |
| 1.00                                | 2.35  | 15.00                               | 12.51 |   |
| 2.50                                | 3.81  | 8.00                                | 6.39  |   |
| 5.00                                | 5.94  | 11.00                               | 8.23  |   |
| 2.00                                | 3.63  | 4.00                                | 1.05  |   |
| 2.00                                | 3.01  | 4.00                                | 1.33  |   |
| 3.00                                | 4.46  | 7.00                                | 4.80  |   |
| 3.00                                | 4.41  | 7.00                                | 5.04  | Zoalene: Guar., 0.0083%;<br>found, 0.0079%.   |
| 3.00                                | 3.63  | 6.00                                | 4.40  | Zoalene: Guar., 0.0083%;<br>found, 0.0080%.   |
| 2.50                                | 2.62  | 6.00                                | 3.60  |   |
| 2.50                                | 3.96  | 6.00                                | 4.84  |   |
| 2.50                                | 3.16  | 6.00                                | 3.07  |   |
| 1.00                                | 1.72  | 10.00                               | 5.97  |   |
| 2.50                                | 2.71  | 10.00                               | 7.92  |   |
| 2.50                                | 3.46  | 12.00                               | 9.32  |   |
| 2.50                                | 3.18  | 11.00                               | 8.91  |   |
| 2.50                                | 3.59  | 11.00                               | 8.22  |   |
| 4.00                                | 3.83  | 4.50                                | 2.61  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0142%. Dienestrol<br>diacetate: Guar., 0.0023%;<br>not determined.                |
| 3.00                                | 3.93  | 5.00                                | 4.33  |   |



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 |
| 7373        | Purina Eggena NE 6543                                       | 11.20         | 16.00                               | 16.50 |
| 7600        | Purina Egg Chow T 6615                                      | 11.44         | 20.00                               | 23.00 |
| 8322        | Purina Game Bird Breeder Lay-<br>ena (Complete Ration) 5438 | 11.21         | 20.00                               | 20.75 |
| 7746        | Purina Game Bird F & M Chow 5431                            | 10.71         | 19.00                               | 19.50 |
| 7753        | Purina Game Bird Finisher (Pellets)                         | 10.50         | 20.00                               | 21.00 |
| 8054        | Purina Game Bird Startena SQ<br>Medicated 5420              | 10.46         | 30.00                               | 30.25 |
| 7375        | Purina Goat Chow (Coarse) 5501                              | 11.11         | 16.00                               | 15.75 |
| 7591        | Purina Horse Chow Checkers 3275                             | 11.05         | 12.50                               | 12.50 |
| 8600        | Purina Hog Finisher No. 1 Med.                              | 12.54         | 14.00                               | 14.00 |
| 8368        | Purina Lay Chow (Pellets) 6601                              | 9.43          | 22.00                               | 22.00 |
| 8158        | Purina Medicated Chek-R-Aid 8910                            | 11.61         | 20.00                               | 20.25 |
| 7749        | Purina Milk Chow D 16% (Pellets)                            | 10.57         | 16.00                               | 16.50 |
| 7518        | Purina Milk Chow D 16% (Coarse)                             | 12.53         | 16.00                               | 16.75 |
| 8324        | Purina Milk Chow D 20% 1453                                 | 11.00         | 20.00                               | 20.00 |
| 7714        | Purina Mink Breeder Chow                                    | 9.78          | 20.00                               | 21.50 |
| 7763        | Purina Mink Developer Chow                                  | 9.94          | 20.00                               | 21.25 |
| 7387        | Purina Omolene 3280   | 13.11         | 10.00                               | 10.50 |
| 8601        | Purina Pig Startena Medicated                               | 10.67         | 18.00                               | 19.75 |
| 7607        | Purina Pigeon Chow Checkers                                 | 10.88         | 15.00                               | 15.50 |
| 7874        | Purina Poultry Booster Chow                                 | 10.51         | 24.00                               | 25.00 |
| 8705        | Purina Poultry Wormer 6701                                  | 9.91          | 17.00                               | 17.25 |
| 8326        | Purina Pullet Developer F                                   | 10.56         | 13.00                               | 13.50 |
| 8641        | Purina Pullet Developer (F) ZO<br>Medicated 6175            | 11.61         | 13.00                               | 13.75 |

~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.00                                | 3.62  | 4.50                                | 2.97  |  |
| 3.50                                | 3.91  | 7.00                                | 3.59  |  |
| 3.00                                | 3.12  | 7.00                                | 4.82  |  |
| 2.00                                | 3.79  | 12.00                               | 4.41  |  |
| 2.50                                | 3.46  | 6.00                                | 3.76  |  |
| 2.50                                | 3.59  | 6.50                                | 3.82  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0175%.   |
| 3.00                                | 3.11  | 9.00                                | 6.46  |  |
| 1.50                                | 2.57  | 25.00                               | 23.73 |  |
| 2.50                                | 2.58  | 7.00                                | 2.48  | 3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0025%;<br>found, 0.0021%.   |
| 3.50                                | 4.16  | 6.00                                | 5.03  |  |
| 4.50                                | 5.41  | 4.50                                | 3.47  | Furazolidone: Guar., 0.011%;<br>found, 0.0109%. Chlortetra-<br>cycline hydrochloride: Guar.,<br>0.025 gm. per lb.; not de-<br>termined. Oxytetracycline:<br>Guar., 0.025 gm. per lb.;<br>not determined. |
| 2.50                                | 3.24  | 9.00                                | 5.31  |  |
| 2.50                                | 3.34  | 9.00                                | 6.77  |  |
| 2.50                                | 3.79  | 9.00                                | 5.73  |  |
| 3.00                                | 3.00  | 5.00                                | 3.28  |  |
| 2.50                                | 2.91  | 5.00                                | 4.24  |  |
| 2.50                                | 4.00  | 9.00                                | 6.92  |  |
| 4.00                                | 5.11  | 5.00                                | 2.63  | Oxytetracycline: Guar., 0.025<br>gm. per lb.; not determined.<br>3-Nitro-4-hydroxyphenylar-<br>sonic acid: Guar., 0.0050%;<br>found, 0.0046%.  |
| 2.50                                | 3.51  | 6.00                                | 3.09  |  |
| 2.50                                | 3.74  | 6.50                                | 4.84  |  |
| 3.00                                | 4.02  | 8.00                                | 5.75  | Piperazine Monohydrochloride:<br>Guar., 0.0783%; not de-<br>termined. Phenothiazine:<br>Guar., 0.290%; found, 0.180%.<br>Dibutyl tin dilaurate: Guar.,<br>0.07%; not determined.                         |
| 2.50                                | 3.97  | 9.00                                | 6.25  |  |
| 2.50                                | 4.44  | 9.00                                | 5.53  | Zoalene: Guar., 0.0083%;<br>found, 0.0074%.  |

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 |
| 7639        | Purina Rabbit Chow Checkers 5301  | 11.15         | 15.00                               | 15.75 |
| 7374        | Purina Rabbit Chow Checkers 20%   | 11.32         | 20.00                               | 19.75 |
| 8157        | Purina Rabbit Chow Checkers<br>NF SQ Medicated (5310)   | 10.06         | 15.00                               | 15.50 |
| 7755        | Purina Range Checkers 3106  | 10.96         | 20.00                               | 20.50 |
| 7754        | Purina Roaster Chow 7346  | 10.64         | 15.00                               | 18.25 |
| 7764        | Purina Special Steer Fatena 3901  | 10.42         | 32.00                               | 32.00 |
| 7716        | Purina Turkey Finisher No. 2 (8250)   | 10.64         | 13.50                               | 14.50 |
| 8716        | Purina Turkey Finisher No. 2 HZ<br>Medicated (8253)   | 11.46         | 13.50                               | 15.25 |
| 7520        | Purina Turkey Growena No. 1 (8101)  | 11.01         | 23.00                               | 25.25 |
| 7397        | Purina Turkey Growena No. 2 (8130)  | 10.24         | 20.00                               | 21.00 |
| 8608        | Purina Turkey Growena No. 2<br>HS Medicated   | 10.61         | 20.00                               | 20.00 |
| 8369        | Wheat Middlings 388<br><br>READING MILLING CO., INC.,<br>Reading, Pa.   | 9.97          | 15.00                               | 16.75 |
| 7614        | Faramel All Mash Layer (Pellets)  | 9.07          | 16.00                               | 17.75 |
| 7308        | Faramel Rabbit Food Pellets<br><br>RUSSELL MILLER-KING MIDAS<br>MILLS, Milling Div. of F. H.<br>Peavey & Co., Minneapolis,<br>Minn. | 11.21         | 16.00                               | 17.25 |
| 7592        | Occident Wheat Bran   | 12.99         | 15.00                               | 17.25 |
| 7584        | Occident Wheat Middlings with<br>Ground Wheat Screenings  | 12.39         | 16.00                               | 16.00 |
| 8373        | Occident Wheat Red Dog<br><br>WOLF SAVITSKY & SONS, INC.,<br>Shelton, Conn.   | 11.43         | 16.50                               | 18.50 |
| 7618        | Wolf's Calf Starter   | 11.85         | 18.00                               | 19.75 |
| 7245        | Wolf's Complete Hi Eff Egg<br>Breeder Mash Medicated  | 13.69         | 16.00                               | 16.50 |
| 7246        | Wolf's Complete Hi Eff Profit<br>Builder Medicated  | 13.16         | 16.00                               | 17.38 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants                                                                                                     |
|-------------------------------------|-------|-------------------------------------|-------|---------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                               |
| 2.00                                | 3.77  | 18.00                               | 14.60 |                                                                                                               |
| 2.00                                | 2.24  | 16.00                               | 16.00 |                                                                                                               |
| 2.00                                | 2.78  | 18.00                               | 12.25 | Furazolidone: Guar., 0.0055%;<br>found, 0.0055%. Sulfamonomethox-<br>line: Guar., 0.0250%; found,<br>0.0224%. |
| 2.00                                | 3.00  | 10.00                               | 8.65  |                                                                                                               |
| 4.00                                | 4.51  | 4.50                                | 2.28  |                                                                                                               |
| 1.50                                | 1.63  | 12.00                               | 7.30  |                                                                                                               |
| 3.50                                | 3.76  | 4.50                                | 3.01  |                                                                                                               |
| 3.50                                | 4.16  | 4.50                                | 2.93  | Hepzide: Guar., 0.030%;<br>found, 0.0287%.                                                                    |
| 3.00                                | 4.35  | 6.50                                | 4.13  |                                                                                                               |
| 3.00                                | 4.16  | 6.00                                | 4.23  |                                                                                                               |
| 3.00                                | 4.29  | 6.00                                | 4.36  | 3-Nitro-4-hydroxyphenylarson-<br>ic acid: Guar., 0.0250%;<br>found, 0.0240%.                                  |
| 4.00                                | 5.06  | 9.50                                | 8.02  |                                                                                                               |
| 3.50                                | 4.39  | 4.50                                | 4.95  |                                                                                                               |
| 3.00                                | 2.96  | 15.00                               | 13.89 |                                                                                                               |
| 4.00                                | 4.69  | 11.00                               | 8.87  |                                                                                                               |
| 4.00                                | 4.00  | 9.50                                | 9.01  |                                                                                                               |
| 3.50                                | 3.84  | 4.00                                | 3.10  |                                                                                                               |
| 2.75                                | 3.41  | 9.00                                | 7.03  |                                                                                                               |
| 3.00                                | 3.32  | 4.00                                | 3.82  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0095%.                                                            |
| 3.00                                | 3.54  | 4.00                                | 3.89  | Arsanilic acid: Guar.,<br>0.0099%; found, 0.0089%.                                                            |

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 |
| 8162        | Wolf's Complete Hi Eff Profit<br>Builder Medicated                      | 12.05         | 16.00                               | 16.50 |
| 7424        | Wolf's 14% Dairy Ration                                                 | 12.16         | 14.00                               | 15.50 |
| 6670        | Wolf's 16% Dairy Ration                                                 | 13.75         | 16.00                               | 16.63 |
| 7900        | Wolf's Dry & Freshening Ration                                          | 12.21         | 14.00                               | 17.75 |
| 7443        | Wolf's Hi-Speed Starter & Broiler<br>Ration Medicated                   | 12.33         | 20.50                               | 21.25 |
| 7307        | Wolf's Horse Feed                                                       | 14.40         | 12.00                               | 15.75 |
| 6708        | Wolf's 16% Test Ration                                                  | 12.84         | 16.00                               | 17.50 |
| 7425        | Wolf's 16% Test Ration Pellets                                          | 10.31         | 16.00                               | 18.25 |
| 7617        | Wolf's 18% Test Ration                                                  | 12.09         | 18.00                               | 19.25 |
|             | SCHENLEY DISTILLERS, INC.,<br>New York, N. Y.                           |               |                                     |       |
| 7305        | Schenley Mark of Merit Corn<br>Distillers Dried Grains with<br>Solubles | 10.11         | 24.00                               | 25.75 |
| 7423        | Schenley's Soludri Corn Distillers<br>Dried Solubles                    | 9.64          | 24.00                               | 25.00 |
|             | SCHOENECK FARMS, INC.,<br>Nazareth, Pa.                                 |               |                                     |       |
| 8204        | Schoeneck's Super Green Dehy-<br>drated Alfalfa Meal                    | 8.30          | 17.00                               | 18.50 |
|             | SEA BOARD SUPPLY CO.,<br>Philadelphia, Pa.                              |               |                                     |       |
| 8197        | Dried Tomato Pomace                                                     | 6.59          | 20.00                               | 20.00 |
|             | JOSEPH E. SEAGRAM & SONS,<br>INC., New York, N. Y.                      |               |                                     |       |
| 7409        | Seagram's Corn Distillers Dried<br>Solubles                             | 10.88         | 25.00                               | 25.75 |
|             | SEYMOUR GRAIN & COAL CO.,<br>Seymour, Conn.                             |               |                                     |       |
| 8224        | Beef Mix                                                                | 13.11         |                                     | 15.25 |
| 8206        | Hi-Q 16% Dairy                                                          | 13.50         | 16.00                               | 16.00 |

~~~~~ Indicates deficiencies.

| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.00                                | 3.19  | 4.00                                | 3.41  | Furazolidone: Guar., 0.011%;<br>found, 0.010%.   |
| 3.00                                | 3.89  | 9.00                                | 7.61  |  |
| 3.00                                | 4.07  | 10.00                               | 5.95  |  |
| 3.00                                | 4.01  | 9.00                                | 6.18  |  |
| 3.00                                | 3.92  | 4.00                                | 3.87  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0126%.<br>Arsanilic Acid: Guar.,<br>0.0099%; found, 0.0100%. |
| 2.75                                | 3.18  | 10.00                               | 7.90  |  |
| 3.00                                | 4.33  | 9.00                                | 5.52  |  |
| 3.00                                | 4.68  | 8.00                                | 6.25  |  |
| 3.00                                | 4.21  | 9.00                                | 6.21  |  |
| 5.00                                | 9.45  | 13.00                               | 12.98 |  |
| 5.00                                | 9.77  | 4.00                                | 4.02  |  |
| 2.00                                | 4.23  | 27.00                               | 26.19 |  |
| 10.00                               | 12.42 | 34.00                               | 30.22 |  |
| 5.00                                | 5.59  | 5.00                                | 3.78  |  |
| 4.00                                | 2.81  | 4.00                                | 4.67  |  |
|                                     | 3.64  |                                     | 2.99  |  |

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 |
| 7492        | Miracle 14% Calf Grower                                      | 13.02         | 14.00                               | 14.00 |
| 8207        | Miracle Dairy 16%  | 12.11         | 16.00                               | 16.00 |
| 7493        | Miracle Fitting Ration                                       | 13.41         | 14.00                               | 14.75 |
| 7488        | Miracle Hi-Efficiency Grower                                 | 12.57         | 16.00                               | 17.50 |
| 7494        | Miracle Hi-Energy All Mash Layer                             | 11.89         | 16.50                               | 16.75 |
| 7490        | Miracle Horse Feed with Molasses                             | 13.62         | 10.00                               | 10.50 |
| 8222        | Miracle 20% Laying Mash                                      | 10.56         | 20.00                               | 20.00 |
| 8208        | Pasture Mix  | 11.89         | 9.00                                | 11.75 |
| 7491        | See-More-Milk Dairy Ration                                   | 13.12         | 20.00                               | 20.00 |
| 8223        | See-More-Milk Dairy Ration                                   | 11.97         | 18.00                               | 18.00 |
|             | THE SHERWIN-WILLIAMS CO.,<br>Cleveland, Ohio                 |               |                                     |       |
| 7479        | Sherwin-Williams 34% Linseed<br>Oil Meal (Solvent Extracted) | 12.17         | 34.00                               | 34.75 |
|             | DAVID SMALL, East Hartford, Conn                             |               |                                     |       |
| 7556        | David Small's Broiler Feed DS31<br>Medicated                 | 11.91         | 24.00                               | 24.00 |
| 7557        | David Small's Finishing Feed<br>DS 32 Medicated              | 12.61         | 20.00                               | 20.00 |
|             | A. E. STALEY MFG. CO.,<br>Decatur, Ill.                      |               |                                     |       |
| 8376        | 44% Protein Solvent Extracted<br>Soybean Meal                | 10.76         | 44.00                               | 45.50 |
|             | ST. LAWRENCE STARCH CO.,<br>Toronto, Ontario, Can.           |               |                                     |       |
| 7302        | Corn Gluten Feed 21%   | 9.42          | 21.00                               | 23.75 |
|             | SUNI-CITRUS PRODUCTS CO.,<br>Haines City, Fla.               |               |                                     |       |
| 7499        | Sweet Suni-Citrus Pulp                                       | 9.83          | 6.00                                | 6.50  |
|             | SWIFT & COMPANY,<br>Fostoria, Ohio                           |               |                                     |       |
| 8228        | Swift's 44% Protein Solvent Ex-<br>tracted Soybean Meal      | 11.77         | 44.00                               | 44.00 |

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| Fat                                 |       | Fiber                               |       | Medicants                                     |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 3.00                                | 3.39  | 8.00                                | 5.20  |   |
| 3.00                                | 4.36  | 9.00                                | 5.51  |   |
| 3.00                                | 4.22  | 8.00                                | 4.77  |   |
| 3.00                                | 3.96  | 5.50                                | 2.96  |   |
| 4.25                                | 4.99  | 4.75                                | 2.87  |   |
| 3.50                                | 3.71  | 9.00                                | 5.71  |   |
| 3.00                                | 3.76  | 6.50                                | 4.45  |   |
| 2.50                                | 2.80  | 20.00                               | 9.78  |   |
| 3.00                                | 3.29  | 9.50                                | 5.25  |   |
| 3.00                                | 3.18  | 9.50                                | 6.35  |   |
|                                     |       |                                     |       |   |
| 0.50                                | 2.13  | 10.00                               | 8.86  |   |
|                                     |       |                                     |       |   |
| 7.50                                | 8.06  | 4.00                                | 2.34  | Amprolium: Guar., 0.0125%;<br>found, 0.0140%. |
| 7.50                                | 7.64  | 3.50                                | 2.30  | Amprolium: Guar., 0.0125%;<br>found, 0.0149%. |
|                                     |       |                                     |       |   |
| 0.50                                | 0.64  | 7.00                                | 6.93  |   |
|                                     |       |                                     |       |   |
| 2.00                                | 3.12  | 10.00                               | 6.80  |   |
|                                     |       |                                     |       |   |
| 3.00                                | 2.85  | 15.75                               | 13.48 |   |
|                                     |       |                                     |       |   |
| 0.50                                | 1.34  | 7.00                                | 5.38  |   |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand  | Moisture | Protein (N x 6.25)       |              |
|-------------|---|----------|--------------------------|--------------|
|             |   |          | Guaranteed not less than | Found        |
| 7463        | TROPICANA PRODUCTS, INC.<br>Bradenton, Fla.<br>Tropicana's Sweetest Dried Citrus Pulp | 10.83    | 6.00                     | 7.00         |
| 8205        | ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill.<br>Ultra Life Broiler-Gro         | 10.30    | 25.00                    | 27.25        |
| 7439        | Ultra-Life Broiler-Gro  | 10.62    | 25.00                    | 28.25        |
| 7497        | Ultra-Lifed Calf Food Pellets Med.  | 11.07    | 24.00                    | 24.00        |
| 7495        | Ultra Life High Energy Poultry  | 10.56    | 20.00                    | 20.75        |
| 7496        | 34% Protein Solvent Extracted Linseed Meal (Pellets)                                  | 12.67    | 34.00                    | <u>32.00</u> |
| 8614        | UNITED CO-OPERATIVE FARMERS, INC., Fitchburg, Mass.<br>UCF Booster NF 100             | 10.56    | 17.00                    | 17.00        |
| 8362        | UCF Calf Grower   | 12.00    | 20.00                    | 20.25        |
| 8365        | UCF 16% Dairy Pellets   | 11.51    | 16.00                    | 16.00        |
| 8366        | UCF 16% Dairy (Coarse)  | 10.63    | 16.00                    | 16.00        |
| 7772        | UCF 18% Dairy   | 11.76    | 18.00                    | 18.00        |
| 7776        | UCF 20% Dairy   | 12.09    | 20.00                    | 20.00        |
| 7773        | UCF Fitting Ration  | 12.56    | 14.00                    | 15.00        |
| 7774        | UCF Hi NRG All Mash Grower  | 11.50    | 16.00                    | 16.00        |
| 8363        | UCF Hi NRG All Mash Layer (Pellets)   | 10.14    | 16.50                    | 16.50        |
| 8171        | UCF Hi NRG Starter Medicated  | 12.54    | 20.00                    | 20.00        |
| 8055        | UCF Hi NRG Starter Medicated  | 10.79    | 20.00                    | 20.75        |
| 7770        | UCF Horse Feed  | 12.66    | 9.00                     | 11.50        |
| 7777        | UCF Layer   | 10.55    | 20.00                    | 20.25        |
| 8160        | UCF Medicated Booster 100   | 11.50    | 17.00                    | 17.25        |
| 8361        | UCF Medicated Booster 100   | 10.39    | 17.00                    | 17.50        |
| 8159        | UCF Medicated Booster 200   | 11.94    | 17.00                    | 17.00        |

~~~~~ Indicates deficiencies.

| Fat                      |                 | Fiber                    |       | Medicants                                                                 |
|--------------------------|-----------------|--------------------------|-------|---------------------------------------------------------------------------|
| Guaranteed not less than | Found           | Guaranteed not more than | Found |                                                                           |
| 2.00                     | 2.19            | 12.00                    | 9.63  |                                                                           |
| 5.00                     | 6.26            | 7.00                     | 5.03  |                                                                           |
| 5.00                     | 6.93            | 7.00                     | 6.50  | 3-Nitro-4-hydroxyphenlarsonic acid: Guar., 0.40%; found, 0.414%.          |
| 3.00                     | 3.42            | 7.00                     | 5.97  |                                                                           |
| 7.00                     | 8.38            | 6.00                     | 5.52  |                                                                           |
| 0.50                     | 1.87            | 10.00                    | 9.62  |                                                                           |
| 4.00                     | 5.56            | 4.50                     | 2.88  | Furazolidone: Guar., 0.0110%; found, 0.0119%.                             |
| 3.00                     | 3.29            | 6.00                     | 3.64  |                                                                           |
| 3.50                     | 4.13            | 8.00                     | 5.83  |                                                                           |
| 3.00                     | 3.81            | 9.00                     | 5.54  |                                                                           |
| 3.00                     | 3.69            | 9.00                     | 5.73  |                                                                           |
| 3.00                     | 3.29            | 9.00                     | 4.59  |                                                                           |
| 3.00                     | 3.71            | 9.00                     | 4.75  |                                                                           |
| 4.00                     | 4.50            | 4.00                     | 3.14  |                                                                           |
| 4.50                     | 5.34            | 3.50                     | 2.34  |                                                                           |
| 4.00                     | 4.90            | 4.00                     | 2.93  | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0129%.                         |
| 4.00                     | 4.58            | 4.00                     | 3.10  | Sulfaquinoxaline: Guar., 0.0150%; found, 0.0160%.                         |
| 3.00                     | 3.33            | 9.00                     | 4.40  |                                                                           |
| 5.00                     | <del>4.21</del> | 5.00                     | 3.21  |                                                                           |
| 4.00                     | 5.42            | 4.50                     | 3.29  | Chlortetracycline hydrochloride: Guar., 0.05 gm. per lb.; not determined. |
| 4.00                     | 5.48            | 4.50                     | 3.44  | Chlortetracycline hydrochloride: Guar., 0.05 gm. per lb.; not determined. |
| 4.00                     | 5.14            | 4.50                     | 3.08  | Chlortetracycline hydrochloride: Guar., 0.1 gm. per 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 |
| 8605        | UCF Medicated Booster NF 200                             | 11.82    | 17.00                    | 18.25 |
| 8364        | UCF Milk Replacer                                        | 8.03     | 20.00                    | 20.00 |
| 7771        | UCF Pig & Hog Feed                                       | 10.54    | 20.00                    | 20.00 |
|             | UNITY FEEDS, INC., Boston, Mass.                         |          |                          |       |
| 7298        | Unity Breeder Mash                                       | 12.77    | 20.00                    | 20.00 |
| 7295        | Unity 16% Dairy Ration                                   | 14.10    | 16.00                    | 16.50 |
| 8119        | Unity Dairy & Fitting Ration                             | 12.66    | 14.00                    | 13.25 |
| 7297        | Unity Growing & Laying Mash                              | 13.63    | 20.00                    | 19.50 |
| 7296        | Unity High Energy Breeder Mash                           | 13.11    | 16.00                    | 17.00 |
| 8122        | Unity High Energy Laying Mash                            | 11.34    | 15.00                    | 16.00 |
| 7299        | Unity Improved Calf Ration                               | 13.52    | 20.00                    | 20.00 |
| 8120        | Unity 16% Milkets                                        | 11.77    | 16.00                    | 17.00 |
| 8121        | Unity Pig & Hog Ration                                   | 11.74    | 17.00                    | 17.00 |
| 5760        | Unity Trim Medicated                                     | 10.79    | 15.50                    | 15.50 |
| 8124        | Unity Turkey & Game Bird Growing Mash                    | 11.47    | 20.00                    | 20.00 |
|             | HIRAM WALKER & SONS, INC., Peoria, Ill.                  |          |                          |       |
| 7334        | Corn Distiller's Dried Grains (Heavy Dark)               | 12.00    | 25.00                    | 25.25 |
| 7326        | Corn Distiller's Dried Grains with Solubles              | 13.30    | 25.00                    | 25.00 |
|             | WILLIAM S. WARREN & SON, Eastford, Conn.                 |          |                          |       |
| 7459        | Warren's Calf Starter                                    | 12.65    | 18.00                    | 19.25 |
| 7249        | Warren's Chick Starter Medicated                         | 11.46    | 20.00                    | 21.00 |
| 7456        | Warren's 16% Dairy Pellets (No. 2)                       | 11.09    | 16.00                    | 16.50 |
| 7462        | Warren's Test Cow 16 (Pellets)                           | 12.82    | 16.00                    | 16.13 |
|             | THE WATERTOWN COOPERATIVE ASS'N., INC., Watertown, Conn. |          |                          |       |
| 7378        | Watertown Co-op 16% Dairy Feed                           | 11.44    | 16.00                    | 16.25 |
|             | H. K. WEBSTER CO., Lawrence, Mass.                       |          |                          |       |
| 7447        | Blue Seal All-Mash Egg Ration Med.                       | 11.32    | 16.00                    | 16.25 |

~~~~~ Indicates deficiencies.

| Fat                      |       | Fiber                    |       | Medicants   |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found |   |
| 4.00                     | 5.19  | 4.50                     | 2.78  | Furazolidone: Guar., 0.022%; found, 0.0202%.                        |
| 2.00                     | 2.31  | 2.00                     | 1.57  |   |
| 3.00                     | 3.12  | 7.00                     | 3.92  |   |
| 3.00                     | 3.42  | 6.00                     | 3.30  |   |
| 3.50                     | 3.53  | 9.00                     | 5.48  |   |
| 3.50                     | 3.79  | 9.00                     | 6.61  |   |
| 3.00                     | 3.75  | 6.00                     | 4.11  |   |
| 3.00                     | 5.41  | 4.00                     | 2.66  |   |
| 4.00                     | 4.94  | 4.00                     | 3.17  |   |
| 3.50                     | 4.82  | 6.00                     | 6.00  |   |
| 3.50                     | 4.76  | 9.00                     | 6.84  |   |
| 3.00                     | 4.26  | 6.00                     | 4.27  |   |
| 3.00                     | 4.72  | 6.00                     | 3.20  | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0054%. |
| 3.00                     | 3.97  | 5.00                     | 4.03  |   |
| 8.00                     | 8.87  | 10.00                    | 7.22  |   |
| 8.00                     | 9.86  | 10.00                    | 6.83  |   |
| 3.00                     | 3.42  | 8.00                     | 5.66  |   |
| 3.00                     | 3.69  | 5.50                     | 5.90  | Sulfaquinoxaline: Guar., 0.015%; found, 0.017%.                     |
| 3.00                     | 3.41  | 9.00                     | 7.36  |   |
| 3.50                     | 3.12  | 8.50                     | 6.88  |   |
| 4.00                     | 4.01  | 9.00                     | 6.28  |   |
| 4.00                     | 4.14  | 3.50                     | 3.10  | Arsanilic acid: Guar., 0.010%; found, 0.0110%.                      |

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 |
| 8059        | Blue Seal All-Mash Growing Ration Medicated    | 10.82         | 16.00                               | 16.00 |
| 8062        | Blue Seal All-Mash Growing Ration SQ Medicated | 11.44         | 16.00                               | 16.75 |
| 8651        | Blue Seal C-4 Broiler Medicated                | 10.16         | 23.00                               | 23.75 |
| 8332        | Blue Seal Chick Feed                           | 12.00         | 10.00                               | 10.00 |
| 7448        | Blue Seal Chick Starter Medicated              | 12.00         | 20.00                               | 20.25 |
| 7648        | Blue Seal Coarse 16 Dairy Ration               | 12.13         | 16.00                               | 17.25 |
| 7689        | Blue Seal Coarse 20 Dairy Ration               | 11.49         | 20.00                               | 20.25 |
| 7658        | Blue Seal Complete Horse Ration                | 12.30         | 12.50                               | 14.25 |
| 7896        | Blue Seal 16% Dairy Mix                        | 11.55         | 16.00                               | 16.00 |
| 7478        | Blue Seal "30" Dairy Concentrate               | 11.15         | 30.00                               | 30.00 |
| 7640        | Blue Seal Egg Mash                             | 12.18         | 20.00                               | 20.00 |
| 8652        | Blue Seal C-5 Finisher Medicated (Pellets)     | 9.86          | 20.00                               | 20.25 |
| 7533        | Blue Seal Fitting Ration                       | 12.51         | 14.00                               | 16.50 |
| 7690        | Blue Seal Goat Feed                            | 12.39         | 16.00                               | 17.25 |
| 7370        | Blue Seal No. 770 Grower                       | 10.71         | 15.00                               | 15.75 |
| 7532        | Blue Seal Horse Feed                           | 13.54         | 10.00                               | 11.50 |
| 7371        | Blue Seal No. 880 Layer                        | 10.90         | 16.00                               | 16.00 |
| 8709        | Blue Seal Ket-O-Pels Medicated                 | 10.97         | 16.00                               | 17.25 |
| 7524        | Blue Seal Medicated Oro-Mix                    | 11.11         | 16.00                               | 17.50 |
| 8333        | Blue Seal Milk Replacer                        | 7.42          | 24.00                               | 22.75 |
| 7464        | Blue Seal Milkers' Sixteen                     | 12.75         | 16.00                               | 16.25 |
| 7476        | Blue Seal Milkers' Twenty                      | 10.72         | 20.00                               | 20.00 |
| 7275        | Blue Seal Pig Feed Medicated                   | 12.99         | 15.00                               | 15.50 |
| 8380        | Blue Seal Producer's Grow & Lay                | 9.87          | 20.00                               | 20.00 |
| 7534        | Blue Seal Rabbit Pellets                       | 11.50         | 20.00                               | 22.25 |
| 7657        | Blue Seal Standard 16 Dairy Ration             | 12.57         | 16.00                               | 16.75 |
| 7477        | Blue Seal Standard 20 Dairy Ration             | 12.50         | 20.00                               | 19.75 |
| 8331        | Blue Seal Succulent Feed & Calving Ration      | 9.72          | 13.00                               | 13.50 |
| 7255        | Blue Seal Super Breeder's Mash Med.            | 14.10         | 20.00                               | 20.00 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants                                                                                           |
|-------------------------------------|-------|-------------------------------------|-------|-----------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                     |
| 4.00                                | 4.00  | 3.50                                | 3.68  | Arsanilic acid: Guar., 0.010%; found, 0.0114%.                                                      |
| 4.00                                | 4.06  | 3.50                                | 3.17  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0120%.<br>Arsanilic acid: Guar., 0.010%; found, 0.0108%. |
| 6.50                                | 7.39  | 3.00                                | 3.17  | Zoalene: Guar., 0.0125%; found, 0.0118%.                                                            |
| 2.50                                | 3.21  | 4.00                                | 1.81  |                                                                                                     |
| 3.50                                | 3.96  | 4.50                                | 3.87  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0189%.                                                   |
| 3.00                                | 4.71  | 8.50                                | 6.74  |                                                                                                     |
| 3.00                                | 3.61  | 8.00                                | 6.24  |                                                                                                     |
| 2.50                                | 3.54  | 15.00                               | 11.87 |                                                                                                     |
| 3.00                                | 3.57  | 12.00                               | 10.04 |                                                                                                     |
| 2.00                                | 3.34  | 11.00                               | 9.53  |                                                                                                     |
| 3.50                                | 4.39  | 3.50                                | 3.23  |                                                                                                     |
| 6.50                                | 8.16  | 3.00                                | 3.03  | Zoalene: Guar., 0.0125%; found, 0.0124%.                                                            |
| 3.00                                | 4.57  | 9.00                                | 6.78  |                                                                                                     |
| 3.50                                | 4.00  | 9.00                                | 7.11  |                                                                                                     |
| 3.00                                | 3.77  | 5.50                                | 4.30  |                                                                                                     |
| 3.00                                | 3.67  | 9.00                                | 7.98  |                                                                                                     |
| 3.50                                | 3.59  | 4.50                                | 3.45  |                                                                                                     |
| 3.50                                | 4.04  | 8.50                                | 7.87  | Sodium Propionate: Guar., 1.25%; not determined.                                                    |
| 3.50                                | 4.00  | 4.50                                | 4.19  | Chlortetracycline hydrochloride: Guar., 0.1 gm. per lb.; not determined.                            |
| 3.50                                | 3.66  | 1.00                                | 0.58  |                                                                                                     |
| 3.00                                | 3.26  | 8.50                                | 6.41  |                                                                                                     |
| 3.00                                | 4.17  | 8.50                                | 6.63  |                                                                                                     |
| 4.00                                | 4.62  | 6.00                                | 5.51  | Arsanilic acid: Guar., 0.01%; found, 0.0098%.                                                       |
| 3.50                                | 3.86  | 6.00                                | 5.30  |                                                                                                     |
| 3.00                                | 4.09  | 12.00                               | 7.71  |                                                                                                     |
| 3.50                                | 3.97  | 8.50                                | 7.53  |                                                                                                     |
| 3.00                                | 3.62  | 8.00                                | 6.53  |                                                                                                     |
| 2.50                                | 3.44  | 12.00                               | 11.01 |                                                                                                     |
| 4.00                                | 4.35  | 3.50                                | 3.27  | Arsanilic acid: Guar., 0.01%; found, 0.0094%.                                                       |

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 |
| 7465        | Blue Seal Test Ration                                                 | 12.30         | 18.00                               | 18.25 |
| 8379        | Blue Seal Turkey Growing (Pellets)                                    | 10.06         | 20.00                               | 21.25 |
| 7250        | Blue Seal Turkey Starter Med-<br>icated                               | 12.35         | 28.00                               | 29.50 |
|             | WEST-NESBITT, INC.,<br>Oneonta, N. Y.                                 |               |                                     |       |
| 7353        | Cream-Line Dairy Test Ration                                          | 13.47         | 18.00                               | 17.00 |
| 7547        | Pure Feed Broiler Starter Medi-<br>cated                              | 12.64         | 22.00                               | 22.50 |
| 7355        | Pure Feed Complete Grower                                             | 12.61         | 14.00                               | 15.25 |
| 8146        | Pure Feed Complete Layer                                              | 6.64          | 17.00                               | 17.00 |
| 7660        | Pure Feed Complete Rabbit Pellets                                     | 11.74         | 16.00                               | 17.75 |
| 7662        | Pure Feed Egg & Breeder                                               | 12.10         | 22.00                               | 22.25 |
| 7352        | Pure Feed Egg Maker                                                   | 12.27         | 20.00                               | 20.00 |
| 7354        | Pure Feed 14% Fitting Ration                                          | 12.96         | 14.00                               | 14.75 |
| 7661        | Pure Feed Grower                                                      | 12.25         | 18.00                               | 15.25 |
| 7659        | Pure Feed Horse Ration                                                | 12.72         | 9.00                                | 11.00 |
| 8700        | Pure Feed Starter Medicated                                           | 11.53         | 20.00                               | 20.75 |
| 8144        | Pure Feed Sweet "16"                                                  | 12.07         | 16.00                               | 17.75 |
| 8147        | Pure Feed Swine Ration                                                | 10.71         | 16.00                               | 16.25 |
| 8145        | Pure Feed Turkey Finisher                                             | 12.02         | 14.00                               | 15.25 |
| 7350        | Pure Feed Turkey Grower                                               | 12.96         | 22.00                               | 21.25 |
| 8148        | West-Nesbitt Milk Replacer                                            | 4.30          | 21.00                               | 21.50 |
|             | WINTER GARDEN CITRUS<br>PRODUCTS CO-OPERATIVE<br>Winter Gardens, Fla. |               |                                     |       |
| 7775        | Wholesun Dried Citrus Pulp                                            | 9.84          | 6.00                                | 6.00  |
|             | WHITMOYER LABORATORIES,<br>INC., Myerstown, Pa.                       |               |                                     |       |
| 7634        | Flav-A-Dee                                                            | 8.27          | 38.00                               | 38.00 |
|             | THE GEO. WIEDEMANN BREW-<br>ING CO., Newport, Ky.                     |               |                                     |       |
| 7418        | Brewers Dried Grains                                                  | 8.56          | 24.00                               | 25.00 |
|             | WILSON CORN PRODUCTS, INC.,<br>Rochester, Ind.                        |               |                                     |       |
| 8384        | Wilson Hominy Feed                                                    | 10.52         | 9.50                                | 11.00 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>less<br>than | Found |  |
| 3.00                                | 4.40  | 8.50                                | 6.80  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0180%. |
| 4.50                                | 5.19  | 4.00                                | 3.56  |  |
| 4.50                                | 5.21  | 4.00                                | 3.10  |  |
| 3.50                                | 3.50  | 8.00                                | 7.09  | Amprolium: Guar., 0.0125%;<br>found, 0.0150%.        |
| 3.50                                | 4.61  | 4.00                                | 2.71  |  |
| 3.00                                | 4.02  | 8.00                                | 4.67  | Glycarbylamide: Guar.,<br>0.003%; found, 0.0029%.    |
| 3.00                                | 3.87  | 4.50                                | 3.45  |  |
| 3.00                                | 3.82  | 14.00                               | 9.10  |  |
| 3.00                                | 4.11  | 8.00                                | 3.60  |  |
| 3.00                                | 3.82  | 6.50                                | 4.76  |  |
| 3.50                                | 3.62  | 8.00                                | 6.50  |  |
| 3.00                                | 4.29  | 5.00                                | 3.71  |  |
| 3.00                                | 3.33  | 10.00                               | 7.28  |  |
| 3.00                                | 3.86  | 5.00                                | 3.64  |  |
| 3.50                                | 3.89  | 9.00                                | 6.14  |  |
| 4.00                                | 4.59  | 8.00                                | 6.15  |  |
| 4.00                                | 4.63  | 5.00                                | 3.24  |  |
| 3.00                                | 4.15  | 5.50                                | 4.24  |  |
| 8.50                                | 8.51  | 0.50                                | 0.21  |  |
| 2.50                                | 3.96  | 16.00                               | 11.48 |  |
| 9.00                                | 11.16 | 5.00                                | 5.06  |  |
| 5.00                                | 6.66  | 15.00                               | 10.73 |  |
| 6.50                                | 7.31  | 6.00                                | 4.01  |  |



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 |
|             | WIRTHMORE FEEDS, INC.,<br>Waltham, Mass.                   |               |                                     |       |
| 7393        | Apex 16% Dairy Feed  | 10.98         | 16.00                               | 16.75 |
| 7405        | Big W All Pellet 16 Dairy Feed                             | 11.09         | 16.00                               | 16.00 |
| 7509        | Big W 16 Dairy Feed  | 12.71         | 16.00                               | 17.25 |
| 7722        | Big W 20 Dairy Feed  | 11.89         | 20.00                               | 21.75 |
| 7733        | Big W Silage Preservative                                  | 10.50         | 4.00                                | 5.00  |
| 7389        | Wirthmore Baby Chick Scratch                               | 13.61         | 9.00                                | 8.75  |
| 7392        | Wirthmore Chick Starter Medi-<br>cated (103A)              | 11.82         | 20.00                               | 22.50 |
| 8707        | Wirthmore Chick Starter Medi-<br>cated (104A)              | 10.21         | 20.00                               | 20.75 |
| 7877        | Wirthmore Coarse Test Dairy<br>Feed (514A)                 | 11.37         | 16.00                               | 18.00 |
| 7391        | Wirthmore Complete Growing<br>Ration (205A)                | 10.69         | 15.00                               | 16.00 |
| 8130        | Wirthmore Complete Turkey Fat-<br>tening Ration (361A)     | 11.51         | 14.00                               | 14.75 |
| 8606        | Wirthmore Complete Turkey<br>Fattening Ration Medicated    | 12.31         | 14.00                               | 16.00 |
| 7340        | Wirthmore Complete Turkey<br>Growing Ration Pellets (341A) | 12.46         | 18.00                               | 18.00 |
| 7438        | Wirthmore Complete Turkey<br>Growing Ration (342A)         | 11.35         | 18.00                               | 20.00 |
| 7510        | Wirthmore 14 Dairy Feed                                    | 12.77         | 14.00                               | 15.50 |
| 7407        | Wirthmore 16 Dairy Feed (522A)                             | 12.16         | 16.00                               | 16.00 |
| 7768        | Wirthmore 20 Dairy Feed                                    | 10.75         | 20.00                               | 21.00 |
| 7377        | Wirthmore 36% Dairy Mixing Feed                            | 10.23         | 36.00                               | 39.00 |
| 7895        | Wirthmore Duck Growing (452A)                              | 10.86         | 16.50                               | 20.50 |
| 7347        | Wirthmore Grow & Egg Mash                                  | 11.57         | 20.00                               | 20.75 |
| 8648        | Wirthmore Hi-Cal Broiler Finish-<br>er A Medicated (142A)  | 11.52         | 22.50                               | 23.00 |
| 7561        | Wirthmore Hi-Cal Broiler Starter<br>A Medicated (123A)     | 12.44         | 24.00                               | 24.00 |
| 7406        | Wirthmore 14 Hi-Cal Pellets<br>Dairy Feed (531A)           | 11.10         | 14.00                               | 16.75 |
| 7769        | Wirthmore 18 Hi-Cal Pellets<br>Dairy Feed (533A)           | 11.16         | 18.00                               | 19.25 |
| 8646        | Wirthmore Hi-Cal Roaster<br>Finisher A Medicated (179A)    | 10.23         | 18.50                               | 18.50 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants                                                                                            |
|-------------------------------------|-------|-------------------------------------|-------|------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                      |
| 3.00                                | 3.89  | 9.00                                | 8.38  |                                                                                                      |
| 3.50                                | 4.97  | 10.00                               | 7.61  |                                                                                                      |
| 3.00                                | 3.51  | 10.00                               | 9.25  |                                                                                                      |
| 3.00                                | 3.03  | 10.00                               | 7.68  |                                                                                                      |
| 0.50                                | 0.61  | 17.00                               | 12.25 |                                                                                                      |
| 2.50                                | 3.02  | 4.00                                | 1.59  |                                                                                                      |
| 4.00                                | 4.92  | 4.50                                | 3.36  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0205%.                                                 |
| 4.00                                | 4.81  | 4.50                                | 3.69  | Bithionol: Guar., 0.050%;<br>found, 0.044%. Methiotriaz-<br>mine: Guar., 0.01%; not de-<br>termined. |
| 4.00                                | 3.94  | 8.00                                | 7.01  |                                                                                                      |
| 3.00                                | 4.13  | 6.00                                | 4.90  |                                                                                                      |
| 3.00                                | 3.88  | 4.50                                | 3.57  |                                                                                                      |
| 3.00                                | 3.93  | 4.50                                | 3.61  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found, 0.0158%                                          |
| 3.00                                | 4.61  | 5.00                                | 3.28  |                                                                                                      |
| 3.00                                | 4.46  | 5.00                                | 5.70  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found, 0.0161%                                          |
| 3.50                                | 3.93  | 9.00                                | 7.38  |                                                                                                      |
| 3.50                                | 3.83  | 9.00                                | 6.51  |                                                                                                      |
| 3.50                                | 3.72  | 9.00                                | 6.81  |                                                                                                      |
| 2.00                                | 2.81  | 10.00                               | 7.45  |                                                                                                      |
| 4.00                                | 3.74  | 5.00                                | 3.73  |                                                                                                      |
| 4.00                                | 4.31  | 4.50                                | 4.23  |                                                                                                      |
| 7.00                                | 6.76  | 3.00                                | 2.75  | Amprolium: Guar., 0.0125%;<br>found, 0.0146%.                                                        |
| 7.30                                | 6.16  | 3.00                                | 2.41  | Amprolium: Guar., 0.0125%;<br>found, 0.0173%.                                                        |
| 4.00                                | 4.39  | 8.00                                | 6.55  |                                                                                                      |
| 4.00                                | 4.59  | 8.00                                | 7.21  |                                                                                                      |
| 5.00                                | 5.57  | 3.50                                | 2.94  | Amprolium: Guar., 0.0125%;<br>found, 0.0150%.                                                        |

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 |
| 7349        | Wirthmore Hi-Ener-G 16 (220A)                                 | 12.17         | 16.00                               | 16.75 |
| 7560        | Wirthmore Hi-Ener-G Broiler<br>Ration Medicated (140A)        | 12.72         | 22.00                               | 21.25 |
| 7879        | Wirthmore Hog Grower (722A)                                   | 11.96         | 15.00                               | 15.88 |
| 7348        | Wirthmore Horse Feed (811A)                                   | 12.31         | 10.00                               | 11.25 |
| 7386        | Wirthmore Meatless Mink Food                                  | 10.42         | 12.00                               | 13.75 |
| 8710        | Wirthmore Medicated Ketrol                                    | 12.16         | 16.00                               | 16.00 |
| 7878        | Wirthmore Medicated Quick Perk                                | 10.66         | 20.00                               | 21.50 |
| 7876        | Wirthmore Medicated Quickies                                  | 12.00         | 20.00                               | 21.25 |
| 7267        | Wirthmore Medicated Treat (414A)                              | 14.32         | 20.00                               | 21.50 |
| 7241        | Wirthmore Medicated Turk-E-Perk                               | 12.38         | 30.00                               | 30.00 |
| 7379        | Wirthmore New Hope Complete<br>Horse Feed (813A)              | 10.92         | 12.00                               | 12.00 |
| 7691        | Wirthmore Original New Hope<br>Horse Feed                     | 13.56         | 12.00                               | 15.00 |
| 8328        | Wirthmore Pig & Sow Feed                                      | 10.06         | 16.00                               | 17.75 |
| 7721        | Wirthmore Poultry Fitting (418A)                              | 14.46         | 11.50                               | 12.75 |
| 7376        | Wirthmore 16 Pro-Cal Pellets<br>Dairy Feed (538A)             | 9.91          | 16.00                               | 17.50 |
| 7380        | Wirthmore Rabbit Pellets (831A)                               | 10.49         | 16.00                               | 17.75 |
| 8163        | Wirthmore Rabbit Pellets Medi-<br>cated (832A)                | 10.62         | 16.00                               | 16.75 |
| 7390        | Wirthmore 14 Record Fitting Feed                              | 13.52         | 14.00                               | 15.50 |
| 7394        | Wirthmore 16 Record Dairy Feed                                | 11.66         | 16.00                               | 17.25 |
| 7718        | Wirthmore 14 Record Fitting &<br>Calving Feed (516A)          | 12.36         | 14.00                               | 14.00 |
| 8647        | Wirthmore Roaster Finisher A<br>Medicated (176A)              | 10.57         | 18.00                               | 20.75 |
| 7598        | Wirthmore Scratch (461A)                                      | 13.39         | 9.00                                | 10.00 |
| 7871        | Wirthmore Stable Mate Complete<br>Horse Feed (Pellets) (816A) | 10.19         | 12.00                               | 14.63 |
| 7692        | Wirthmore Stock Primer                                        | 13.83         | 14.00                               | 16.25 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants   |
|-------------------------------------|-------|-------------------------------------|-------|---|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |   |
| 4.00                                | 4.26  | 4.00                                | 2.83  |   |
| 5.50                                | 6.26  | 3.50                                | 2.74  | Amprolium: Guar., 0.0125%;<br>found, 0.0209%.   |
| 4.00                                | 3.89  | 6.00                                | 4.45  |   |
| 3.00                                | 3.51  | 9.00                                | 6.22  |   |
| 5.00                                | 6.36  | 5.00                                | 3.70  |   |
| 3.00                                | 4.26  | 6.00                                | 5.80  | Sodium Propionate: Guar.,<br>12.50%; not determined.  |
| 5.00                                | 5.88  | 4.00                                | 2.58  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm. per lb.;<br>not determined.                          |
| 4.00                                | 4.22  | 4.00                                | 2.94  | Chlortetracycline hydrochlor-<br>ide: Guar., 0.1 gm. per lb.;<br>not determined.                          |
| 4.00                                | 4.11  | 4.00                                | 3.13  | Furazolidone: Guar., 0.022%;<br>found, 0.0200%.   |
| 4.00                                | 5.28  | 5.50                                | 3.02  | Furazolidone: Guar., 0.011%;<br>found, 0.0129%. Sulfaminox-<br>aline: Guar., 0.0175%; found,<br>0.0193%.  |
| 2.50                                | 2.56  | 12.00                               | 8.04  |   |
| 3.00                                | 4.26  | 6.00                                | 4.14  |   |
| 3.50                                | 4.06  | 6.00                                | 4.14  |   |
| 2.50                                | 2.27  | 6.50                                | 4.34  |   |
| 3.00                                | 3.50  | 12.00                               | 10.58 |   |
| 3.00                                | 3.30  | 15.00                               | 11.04 |   |
| 3.00                                | 3.68  | 15.00                               | 10.40 | Furazolidone: Guar., 0.0055%;<br>found, 0.0062%. Sulfaminox-<br>aline: Guar., 0.0125%; found,<br>0.0102%. |
| 3.50                                | 4.19  | 8.00                                | 6.42  |   |
| 3.50                                | 4.46  | 8.50                                | 7.23  |   |
| 3.50                                | 3.50  | 7.50                                | 5.71  |   |
| 4.50                                | 5.64  | 4.00                                | 3.46  | Amprolium: Guar., 0.0125%;<br>found, 0.0161%.   |
| 2.50                                | 3.66  | 4.00                                | 4.43  |   |
| 1.50                                | 1.81  | 21.00                               | 19.61 |   |
| 3.00                                | 4.42  | 8.50                                | 5.09  |   |

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 |
| 7341  | Wirthmore Track N' Trail Horse Feed (811A)                 | 13.42         | 10.00                               | 11.50 |
| 7717  | Wirthmore Turkey Growing Ration                            | 11.61         | 23.00                               | 23.75 |
| 7453  | Wirthmore Turkey Growing Ration Medicated (Pellets) (323A) | 12.14         | 23.00                               | 22.25 |
| 7240  | Wirthmore Turkey Starter Medicated (312A)                  | 11.83         | 28.00                               | 28.00 |
| 8129  | Wirthmore Twin-Mix Calf Feed                               | 12.61         | 18.00                               | 18.00 |
| 7766  | Wirthmore 16 Ultra-Cal Pellets Dairy Feed (537A)           | 11.44         | 16.00                               | 17.25 |
| THE YANTIC GRAIN & PRODUCTS CO., Norwich, Conn. |  |               |                                     |       |
| 7885  | Big Y Calf & Beef Ration                                   | 12.51         | 10.00                               | 12.75 |
| 8192  | Big Y Calf Starter & Builder (Pellets)                     | 10.66         | 17.00                               | 18.75 |
| 8141  | Big Y Calving Ration                                       | 12.48         | 14.00                               | 17.50 |
| 8142  | Big Y Cavalier Horse Feed                                  | 13.54         | 11.00                               | 12.50 |
| 7898  | Big Y Chick Scratch Grain                                  | 13.52         | 10.00                               | 10.00 |
| 7513  | Big Y Confinement Growing Mash                             | 12.22         | 15.00                               | 15.50 |
| 8201  | Big Y Controlled Growing Ration                            | 10.46         | 15.00                               | 16.00 |
| 7365  | Big Y 16% Dairy Ration                                     | 11.39         | 16.00                               | 16.25 |
| 7512  | Big Y 18% Dairy Ration                                     | 12.90         | 18.00                               | 18.00 |
| 7664  | Big Y 20% Dairy Ration                                     | 12.89         | 20.00                               | 20.00 |
| 7511  | Big Y Dairy & Fitting Ration                               | 12.86         | 14.00                               | 14.75 |
| 8189  | Big Y Dairy Supplement 32%                                 | 12.07         | 32.00                               | 27.75 |
| 7884  | Big Y Energized 16 Dairy Feed                              | 11.21         | 16.00                               | 16.25 |
| 7654  | Big Y Extra Production Laying Mash (Pellets)               | 11.90         | 16.00                               | 16.75 |
| 8164  | Big Y Extra Production Laying Mash (Pellets) (NF 180)      | 11.08         | 16.00                               | 16.25 |
| 7404  | Big Y Hi-Efficiency Breeder Ration                         | 12.21         | 15.00                               | 15.00 |
| 7366  | Big Y High Efficiency Grower                               | 10.84         | 15.00                               | 16.25 |
| 7452  | Big Y High Efficiency Grower Med.                          | 12.22         | 15.00                               | 15.75 |
| 7368  | Big Y Hi-Efficiency Laying Mash                            | 11.00         | 16.00                               | 16.00 |
| 7559  | Big Y Hi-Efficiency Laying Mash                            | 11.94         | 16.00                               | 16.25 |
| 8167  | Big Y Hi-Efficiency Laying Mash NF-180                     | 11.51         | 16.00                               | 16.00 |
| 7403  | Big Y Hi-G Dairy Ration                                    | 11.92         | 16.00                               | 17.50 |

~~~~~ Indicates deficiencies.

| Fat                                 |       | Fiber                               |       | Medicants                                                                                                            |
|-------------------------------------|-------|-------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |                                                                                                                      |
| 3.00                                | 3.50  | 9.00                                | 5.62  |                                                                                                                      |
| 3.50                                | 4.22  | 5.00                                | 3.03  |                                                                                                                      |
| 3.50                                | 4.20  | 5.00                                | 3.39  | 4-Nitrophenylarsonic acid:<br>Guar., 0.025%; found, 0.0152%.<br>Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0155%. |
| 4.00                                | 4.91  | 4.50                                | 3.50  |                                                                                                                      |
| 3.00                                | 3.26  | 7.00                                | 5.88  |                                                                                                                      |
| 5.00                                | 5.52  | 6.00                                | 5.74  |                                                                                                                      |
| 3.00                                | 3.21  | 9.00                                | 5.86  |                                                                                                                      |
| 2.50                                | 3.80  | 7.50                                | 7.36  |                                                                                                                      |
| 3.50                                | 3.59  | 11.00                               | 8.11  |                                                                                                                      |
| 3.00                                | 3.07  | 8.00                                | 4.06  |                                                                                                                      |
| 2.00                                | 2.56  | 4.00                                | 0.79  |                                                                                                                      |
| 3.50                                | 4.87  | 5.00                                | 3.55  |                                                                                                                      |
| 3.00                                | 3.02  | 10.00                               | 7.54  |                                                                                                                      |
| 3.50                                | 3.61  | 8.50                                | 7.25  |                                                                                                                      |
| 3.00                                | 3.84  | 9.00                                | 7.45  |                                                                                                                      |
| 3.00                                | 3.41  | 9.00                                | 6.14  |                                                                                                                      |
| 3.50                                | 4.31  | 9.00                                | 7.04  |                                                                                                                      |
| 2.00                                | 2.31  | 8.00                                | 6.42  |                                                                                                                      |
| 4.00                                | 4.64  | 6.50                                | 5.12  |                                                                                                                      |
| 4.00                                | 5.11  | 5.00                                | 4.65  |                                                                                                                      |
| 4.00                                | 4.29  | 5.00                                | 3.91  | Furazolidone: Guar., 0.011%;<br>found, 0.0077%.                                                                      |
| 3.50                                | 4.42  | 4.00                                | 2.41  |                                                                                                                      |
| 3.50                                | 3.93  | 5.00                                | 3.47  |                                                                                                                      |
| 3.50                                | 4.71  | 5.00                                | 4.76  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0078%.                                                                 |
| 3.50                                | 3.90  | 4.00                                | 2.83  |                                                                                                                      |
| 3.50                                | 4.16  | 4.00                                | 2.46  | Furazolidone: Guar., 0.022%;<br>found, 0.020%.                                                                       |
| 3.50                                | 3.98  | 4.00                                | 2.74  | Furazolidone: Guar., 0.0055%;<br>found, 0.0062%.                                                                     |
| 3.00                                | 3.44  | 10.00                               | 7.35  |                                                                                                                      |



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 |
| 7441        | Big Y Histostat Mixture Mixed with Big Y Turkey Growing Feed  | 12.09         | 20.00                               | 21.25 |
| 8609        | Big Y Histostat Mixture Mixed with Big Y Turkey Fattener Feed | 10.89         | 17.00                               | 18.50 |
| 8049        | Big Y Improved Turkey Starter & Game Bird Feed Medicated      | 11.11         | 28.00                               | 26.50 |
| 8169        | Big Y Improved Turkey Starter & Game Bird Feed Medicated      | 10.43         | 28.00                               | 24.25 |
| 7883        | Big Y Hog & Pig Ration                                        | 10.19         | 17.00                               | 17.00 |
| 8143        | Big Y Horse Feed                                              | 13.15         | 10.00                               | 10.50 |
| 8711        | Big Y Improved Broiler Finisher Medicated                     | 11.46         | 19.00                               | 18.50 |
| 7897        | Big Y Intermediate Chick Grains                               | 12.35         | 10.00                               | 10.50 |
| 8127        | Big Y 20% Laying Mash                                         | 10.61         | 20.00                               | 20.25 |
| 8126        | Big Y M & O Growing Feed                                      | 11.11         | 18.00                               | 17.00 |
| 8168        | Big Y M & O Growing Feed Med.                                 | 11.00         | 18.00                               | 17.25 |
| 7551        | Big Y Peerless Broiler Ration Medicated                       | 13.16         | 23.00                               | 23.25 |
| 7666        | Big Y Poultry Fitting Ration                                  | 14.24         | 10.00                               | 11.25 |
| 7367        | Big Y Producto Pels                                           | 9.30          | 16.00                               | 19.25 |
| 7402        | Big Y 16 Purity Dairy Ration                                  | 12.92         | 16.00                               | 16.00 |
| 7888        | Big Y Rabbit Pellets                                          | 10.14         | 16.00                               | 20.50 |
| 7449        | Big Y Rabbit Pellets Medicated                                | 11.69         | 16.00                               | 19.75 |
| 8191        | Big Y Scratch Feed                                            | 12.12         | 9.00                                | 10.25 |
| 8190        | Big Y Sheep & Goat Feed                                       | 11.26         | 16.00                               | 16.00 |
| 7655        | Big Y Station Fattener Pellets                                | 12.26         | 12.00                               | 12.50 |
| 8128        | Big Y Super Starter-Broiler Ration                            | 11.26         | 20.00                               | 19.25 |
| 7243        | Big Y Super Starter Ration Med.                               | 13.83         | 20.00                               | 20.00 |
| 7665        | Big Y Supreme Laying Mash                                     | 11.44         | 16.00                               | 17.50 |
| 7705        | Big Y Test Cow Ration                                         | 12.87         | 16.00                               | 16.00 |
| 7708        | Big Y Turkey Fattener (Pellets)                               | 11.00         | 17.00                               | 17.00 |
| 7647        | Big Y Turkey Growing Feed                                     | 11.24         | 20.00                               | 21.25 |
| 8704        | Big Y Turkey Growing Feed Medicated (Pellets)                 | 10.96         | 20.00                               | 20.25 |
| 8703        | Big Y Worming Mash                                            | 11.01         | 18.00                               | 18.00 |

~~~~~ Indicates deficiencies.

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| Fat                                 |       | Fiber                               |       | Medicants  |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-<br>teed not<br>less<br>than | Found | Guaran-<br>teed not<br>more<br>than | Found |  |
| 3.50                                | 4.04  | 6.00                                | 4.71  | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0214%.                            |
| 3.50                                | 3.36  | 6.00                                | 6.03  | 4-Nitrophenylarsonic acid: Guar., 0.0250%; found, 0.0239%.                           |
| 3.50                                | 4.64  | 5.00                                | 2.91  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0130%.                                    |
| 4.50                                | 5.29  | 5.00                                | 3.11  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0145%.                                    |
| 3.50                                | 4.31  | 8.00                                | 7.27  |  |
| 2.50                                | 3.02  | 9.00                                | 4.81  |  |
| 5.00                                | 4.28  | 4.00                                | 2.78  | Dienestrol diacetate: Guar., 0.007%; not determined.                                 |
| 2.50                                | 3.64  | 5.00                                | 2.09  |  |
| 3.50                                | 3.77  | 6.00                                | 5.44  |  |
| 3.50                                | 3.88  | 6.00                                | 4.83  |  |
| 3.50                                | 3.91  | 6.00                                | 4.97  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0170%.                                    |
| 5.50                                | 6.77  | 4.00                                | 2.74  | Amprolium: Guar., 0.0125%; found, 0.0000%.   |
| 3.00                                | 3.06  | 8.00                                | 2.93  |  |
| 3.00                                | 3.56  | 10.00                               | 8.25  |  |
| 3.50                                | 3.76  | 9.00                                | 6.42  |  |
| 3.00                                | 3.07  | 10.00                               | 9.25  |  |
| 3.00                                | 4.35  | 10.00                               | 8.15  | Sulfaquinoxaline: Guar., 0.025%; found, 0.0205%.                                     |
| 2.00                                | 3.36  | 5.00                                | 3.95  |  |
| 3.50                                | 3.79  | 8.50                                | 7.48  |  |
| 3.00                                | 3.44  | 12.00                               | 8.03  |  |
| 3.50                                | 4.09  | 4.00                                | 3.62  |  |
| 3.50                                | 4.95  | 4.50                                | 3.29  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0176%.                                    |
| 5.00                                | 6.16  | 4.00                                | 2.53  |  |
| 3.00                                | 3.56  | 8.50                                | 5.97  |  |
| 3.50                                | 4.17  | 6.00                                | 4.36  |  |
| 3.50                                | 4.01  | 6.00                                | 3.40  |  |
| 3.50                                | 3.69  | 6.00                                | 3.54  | Enheptin: Guar., 0.015%; found, 0.014%.  |
| 3.50                                | 3.53  | 6.00                                | 5.43  | Phenothiazine: Guar., 0.50%; found, 0.12%. Piperazine: Guar., 0.12%; not determined. |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand   | Moisture | Protein (N x 6.25)       |       |
|-------------|--|----------|--------------------------|-------|
|             |  |          | Guaranteed not less than | Found |
| 7886        | Hi-G Scratch Feed<br><br>YELDMOR FEEDS, INC.,<br>Piqua, Ohio                                   | 11.76    | 9.00                     | 9.75  |
| 8701        | .0023 Dienestrol Diacetate with<br>.0125% Nicarbazin in Yield-<br>mor Caponette Finishing Feed | 10.42    | 17.00                    | 17.00 |

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| Fat                      |             | Fiber                    |       | Medicants                                      |
|--------------------------|-------------|--------------------------|-------|--|
| Guaranteed not less than | Found       | Guaranteed not more than | Found |  |
| 2.00                     | 3.00        | 5.00                     | 2.76  |  |
| 6.50                     | <u>5.88</u> | 3.50                     | 2.38  | Nicarbazin: Guar., 0.0125%;<br>found, 0.0140%. |

| Station No. | Manufacturer and brand  | Place, date of sampling and control number |
|-------------|---|--|
| 7321        | CLINTON CORN PROCESSING CO.<br>Clinton, Iowa<br>Clinton CFS Concentrate No. 1   | Jewett City, 9/13, None                    |
| 7908        | DREW CHEMICAL CORP.<br>Boonton, N.J.<br>Vitan Dry "3000"  | Shelton, 10/24, 3420                       |
| 6529        | THE RAY EWING CO.<br>Pasadena, Calif.<br>All Mash Pre-Mix   | Jewett City, 5/3, None                     |
| 5706        | THE FOX CO., Newfield, N.J.   |  |
| 7313        | Foxco Qualadee A&D Feeding Oil  | Derby, 1/10, 2661                          |
|             | Foxco Qualadee 300 D 2250-A<br>Quality Vitamin A&D Oil  | Derby, 9/10, 61461                         |
| 7910        | KRAFT FOODS, Div. National Dairy Products Corp.<br>Chicago, Ill.<br>Pace Booster Pellets for Horses<br>Ponies & Colts | Stepney, 10/24, None                       |
| 6530        | MARINE PRODUCTS CO.<br>Boston, Mass.<br>Finest Veterinary Cod Liver Oil   | Norwich, 5/3, None                         |
| 7323        | Veterinary Cod Liver Oil  | Norwich, 9/13, None                        |
| 5712        | MERCK & CO., INC. Chemical Div., Rahway, N.J.<br>No. 1061 Feed Supplement<br>Improved Premix Med.                     | Norwich, 1/11, M-1400-13                   |
| 5975        | No. 1061 Feed Supplement<br>Improved Premix Med.  | Norwich, 3/8, M-183-2-1                    |
| 7325        | No. 1061 Feed Supplement<br>Improved Premix Med.  | Norwich, 9/13, M837-2-2                    |

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Calcium<br>pantothenate<br>mg/lb. |            | Niacin<br>mg/lb. |             | Riboflavin<br>mg/lb. |             |
|-------------------------|-------|-----------------------------------|------------|------------------|-------------|----------------------|-------------|
| Guar.                   | Found | Guar.                             | Found      | Guar.            | Found       | Guar.                | Found       |
|                         |       | 13                                | 15.2       | 40               | <u>93.7</u> | 3                    | <u>9.08</u> |
| 1,362,000               | OK    |                                   |            |                  |             |                      |             |
| 544,800                 | OK    | 2174                              | --*        | 8000             | --*         | 800                  | --*         |
| 136,200                 | OK    |                                   |            |                  |             |                      |             |
| 136,200                 | OK    |                                   |            |                  |             |                      |             |
| 7,200                   | --*   | 16.3                              | 17.2       | 15.0             | 18.0        | 7.5                  | 8.87        |
| 136,200                 | OK    |                                   |            |                  |             |                      |             |
| 136,200                 | OK    |                                   |            |                  |             |                      |             |
| 85,125                  | OK    | 500                               | --*        | 3750             | --*         | 500                  | --*         |
| 85,125                  | OK    | 500                               | --*        | 3750             | --*         | 500                  | --*         |
| 85,125                  | OK    | 500                               | <u>657</u> | 3750             | <u>5695</u> | 500                  | 546         |

--\* not determined  
~~~~~ indicates deficiencies

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand                                                                      | Place, date of sampling and control number        |
|-------------|---------------------------------------------------------------------------------------------|---------------------------------------------------|
| 5973        | MYZON LABORATORIES<br>Chicago, Ill.<br>Myzon Poultry Builder                                | Norwich, 3/8, None                                |
| 5972        | NEW ENGLAND BY PRODUCTS<br>CORP., Boston, Mass.<br>New Englander Vitamin A&D<br>Feeding Oil | Norwich, 3/8, PO75                                |
| 5714        | NOPCO CHEMICAL CO.,<br>Newark, N. J.<br>Nopco Pak Hi-Lay Premix                             | Norwich, 1/11, Code EZW<br>527-12536 10/61        |
| 6532        | Nopco Pak Hi-Lay Premix<br>Code EZW                                                         | Norwich, 5/3, None                                |
| 7917        | Nopco Pak Hi-Lay Premix                                                                     | Norwich, 11/7, L2854 -<br>Code EZW-527 -<br>12536 |
| 7916        | Nopco-Pak Super Premix                                                                      | Norwich, 11/7, L3017 -<br>Code FGY 527-20520      |
| 5715        | Nopco Pak Super Premix Med.                                                                 | Norwich, 1/11, 527-<br>20520 FGY 6/61             |
| 5711        | Nopdex "3000"                                                                               | Norwich, 1/11, V4410                              |
| 5974        | Nopdex "3000"                                                                               | Norwich, 3/8, Code ADY<br>523-10100 L1249         |
| 7324        | Nopdex "3000"                                                                               | Norwich, 9/13, L2395                              |
| 7915        | Nopdex "3000"                                                                               | Norwich, 11/7, L2395                              |
|             | CHAS. PFIZER & CO., INC.,<br>New York, New York                                             |                                                   |
| 5713        | Yantic High-Lay Premix                                                                      | Norwich, 1/11, 3311                               |
| 5977        | Yantic High-Lay Premix                                                                      | Norwich, 3/8, X452X1529                           |
| 7914        | Yantic High-Lay Premix                                                                      | Norwich, 11/7, 2912X<br>1992                      |

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>units/lb. |       | Calcium<br>pantothenate<br>mg/lb. |       | Niacin<br>mg/lb. |             | Riboflavin<br>mg/lb. |       |
|-------------------------|-------|-----------------------------------|-------|------------------|-------------|----------------------|-------|
| Guar.                   | Found | Guar.                             | Found | Guar.            | Found       | Guar.                | Found |
| 164,000                 | OK    | 174                               | --*   | 640              | --*         | 160                  | --*   |
| 136,200                 | OK    |                                   |       |                  |             |                      |       |
| 400,000                 | OK    | 1600                              | --*   | 8000             | --*         | 800                  | --*   |
| 400,000                 | OK    | 1600                              | --*   | 8000             | --*         | 800                  | --*   |
| 400,000                 | OK    | 1600                              | 1889  | 8000             | 9308        | 800                  | 889   |
| 170,250                 | OK    | 1000                              | 1018  | 7500             | 8370        | 1000                 | 1140  |
| 170,250                 | OK    | 1000                              | --*   | 7500             | --*         | 1000                 | --*   |
| 1,361,000               | OK    |                                   |       |                  |             |                      |       |
| 1,361,000               | OK    |                                   |       |                  |             |                      |       |
| 1,361,000               | OK    |                                   |       |                  |             |                      |       |
| 400,000                 | OK    | 1600                              | --*   | 8000             | --*         | 800                  | --*   |
| 400,000                 | OK    | 1600                              | --*   | 8000             | --*         | 800                  | --*   |
| 400,000                 | OK    | 1600                              | 1778  | 8000             | <u>9780</u> | 800                  | 821   |

--\* not determined  
 ~~~~~ indicates deficiencies

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand                            | Place, date of sampling and control number |
|-------------|---|--|
|             | STABILIZED VITAMINS, INC.<br>Garfield, New Jersey |  |
| 5708        | Perma-D-3000                                      | Shelton, 1/10, 15103                       |
| 7316        | Perma-D-3000                                      | Manchester, 9/12, 15571                    |
| 7909        | Perma-D-3000                                      | Shelton, 10/24, 15899                      |
| 5716        | Perma Mix C. C. C. No. 1                          | Manchester, 1/12, 3927 2                   |
| 5968        | Perma Mix C. C. C. No. 1                          | Manchester, 3/7, 40142                     |
| 7317        | Perma Mix C. C. C. No. 1                          | Manchester, 9/12, 4333-2                   |
| 7911        | Perma Mix C. C. C. No. 1                          | Manchester, 11/6, 4435-1                   |
| 5717        | Perma Mix C. C. C. No. 2                          | Manchester, 1/12, 3860                     |
| 5969        | Perma Mix C. C. C. No. 2                          | Manchester, 3/7, 4016                      |
| 6535        | Perma Mix C. C. C. No. 2                          | Manchester, 5/4, 4101                      |
| 7318        | Perma Mix C. C. C. No. 2                          | Manchester, 9/12, 4320                     |
| 7912        | Perma Mix C. C. C. No. 2                          | Manchester, 11/6, 4393                     |
| 5970        | Perma Mix C. C. C. No. 3                          | Manchester, 3/7, 4017                      |
| 6536        | Perma Mix C. C. C. No. 3                          | Manchester, 5/4, 4102                      |
| 7319        | Perma Mix C. C. C. No. 3                          | Manchester, 9/12, 4242                     |
| 5971        | Perma Mix C. C. C. No. 4                          | Manchester, 3/7, 3991                      |
| 6537        | Perma Mix C. C. C. No. 4                          | Manchester, 5/4, 4100                      |
| 7320        | Perma Mix C. C. C. No. 4                          | Manchester, 9/12, 4243                     |
| 7907        | Perma Mix 2-4-9-10                                | Shelton, 10/24, 4222                       |
| 5966        | Vitamin A&D Feeding Oil                           | Shelton, 3/6, 527                          |
| 6539        | Vitamin A&D Feeding Oil                           | Shelton, 5/7, 15427                        |
| 7314        | Vitamin A&D Feeding Oil                           | Shelton, 9/10, 15422                       |
| 7906        | Vitamin A&D Feeding Oil                           | Shelton, 10/24, 15950                      |
| 7913        | Pre-Mix C. C. C. No. 3                            | Manchester, 11/6, 4351                     |
| 5707        | Vitaron Vit. A&D Feeding Oil                      | Shelton, 1/10, 14951                       |
|             | SYNTHA LABORATORIES,<br>West Alexandria, Ohio     |  |
| 6528        | Special All Mash Premix                           | Jewett City, 5/3, 2431                     |
| 7322        | Special All Mash Premix                           | Jewett City, 9/13, None                    |
| 7918        | Special All Mash Premix                           | Jewett City, 11/13, None                   |

TABLE 2. VITAMIN CARRIERS

| Vitamin D,<br>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            |                                   |       |                  |       |                      |       |
| 1,362,000               | OK            |                                   |       |                  |       |                      |       |
| 1,362,000               | OK            |                                   |       |                  |       |                      |       |
| 297,950                 | OK            | 978                               | --*   | 7930             | --*   | 600                  | --*   |
| 297,950                 | OK            | 978                               | --*   | 7930             | --*   | 600                  | --*   |
| 297,950                 | OK            | 978                               | 861   | 7950             | 12500 | 600                  | 752   |
| 297,950                 | OK            | 978                               | 915   | 7950             | 7234  | 600                  | 560   |
| 153,150                 | OK            | 1500                              | --*   | 7500             | --*   | 375                  | --*   |
| 153,150                 | OK            | 1500                              | --*   | 7500             | --*   | 375                  | --*   |
| 153,150                 | OK            | 1500                              | --*   | 7500             | --*   | 375                  | --*   |
| 153,150                 | OK            | 1500                              | 1191  | 7500             | 8623  | 375                  | 488   |
| 153,150                 | OK            | 1500                              | 1440  | 7500             | 7704  | 375                  | 392   |
| 214,650                 | OK            | 1200                              | --*   | 6750             | --*   | 975                  | --*   |
| 214,650                 | OK            | 1200                              | --*   | 6750             | --*   | 975                  | --*   |
| 214,650                 | --*           | 1200                              | 1266  | 6750             | 8002  | 975                  | 970   |
| 216,000                 | OK            | 1200                              | --*   | 5400             | --*   | 900                  | --*   |
| 216,000                 | OK            | 1200                              | --*   | 5400             | --*   | 900                  | --*   |
| 216,000                 | OK            | 1200                              | 1315  | 5400             | 5574  | 900                  | 866   |
|                         |               | 4000                              | 4180  | 9000             | 8230  | 2000                 | 2040  |
| 136,200                 | OK            |                                   |       |                  |       |                      |       |
| 136,200                 | OK            |                                   |       |                  |       |                      |       |
| 136,200                 | OK            |                                   |       |                  |       |                      |       |
| 136,200                 | OK            |                                   |       |                  |       |                      |       |
| 214,650                 | OK            | 1200                              | 1303  | 6750             | 7518  | 975                  | 1076  |
| 136,200                 | OK            |                                   |       |                  |       |                      |       |
| 544,800                 | below<br>std. | 2174                              | --*   | 8000             | --*   | 800                  | --*   |
| 544,800                 | below<br>std. | 2174                              | 1785  | 8000             | 9002  | 800                  | 788   |
| 544,800                 | OK            | 2174                              | 2066  | 8000             | 7385  | 800                  | 780   |

--\* not determined  
~~~~~ indicates deficiencies



TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand                      | Place, date of sampling and control number |
|-------------|---------------------------------------------|--------------------------------------------|
|             | WHITMOYER LABORATORIES INC., Myerstown, Pa. |                                            |
| 5965        | Derby All Purpose Premix                    | Derby, 3/6, 12462                          |
| 6538        | Derby All Purpose Premix                    | Derby, 5/7, 41862                          |
| 7312        | Derby All Purpose Premix                    | Derby, 9/10, 83162                         |
| 5709        | Flav-A-Dee                                  | Bridgeport, 1/10, None                     |
| 5967        | Flav-A-Dee                                  | Bridgeport, 3/6, None                      |
| 6541        | Flav-A-Dee                                  | Bridgeport, 5/7, None                      |
| 7315        | Flav-A-Dee                                  | Bridgeport, 9/10 None                      |
| 5710        | Machnicki Premix No. 2A                     | Jewett City, 1/11, 102361                  |

TABLE 2. VITAMIN CARRIERS

| Vitamin D, units/lb. |            | Calcium pantothenate mg/lb. |       | Niacin mg/lb. |       | Riboflavin mg/lb. |       |
|----------------------|------------|-----------------------------|-------|---------------|-------|-------------------|-------|
| Guar.                | Found      | Guar.                       | Found | Guar.         | Found | Guar.             | Found |
| 136,200              | OK         | 1000                        | --*   | 4000          | --*   | 400               | --*   |
| 136,200              | below std. | 1000                        | --*   | 4000          | --*   | 400               | --*   |
| 136,200              | OK         | 1000                        | 813   | 4000          | 3497  | 400               | 455   |
| 54,480               | OK         | 109                         | --*   | 700           | --*   | 100               | --*   |
| 54,480               | OK         | 109                         | --*   | 700           | --*   | 100               | --*   |
| 54,480               | below std. | 109                         | --*   | 700           | --*   | 100               | --*   |
| 54,480               | below std. | 109                         | --*   | 700           | 639   | 100               | 121   |
| 272,400              | OK         | 1087                        | --*   | 4000          | --*   | 400               | --*   |

--\* not determined  
 ~~~~~ indicates deficiencies