

Commercial
FEEDING STUFFS

1960 Report on Inspection

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CONTENTS

	Page
THE FEED LAW	3
REGULATIONS	3
REGISTRATIONS	7
INSPECTION, SUMMARY OF	46
Commercial Feeding Stuffs	46
Vitamin Carriers	47
Miscellaneous Feeds	47
Biological Specimens Examined for Poisons	49
Check Feeds	49
ANALYSES:	
Table 1. Commercial Feeds	50
Table 2. Vitamin Carriers	136

COMMERCIAL FEEDING STUFFS

REPORT ON INSPECTION

1960

H. J. FISHER¹

THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 428, General Statutes, Revision of 1958) imposes upon the Station: (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law. As a result of a general reorganization of State departments by the General Assembly in 1959, the Food and Drug Commission was abolished and its duties transferred to a new Department of Consumer Protection.

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

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

REGULATIONS

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

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

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

¹ Analyses are by Mr. Richard Merwin, Mr. Werner Mueller, Mr. Walter Oliver and Miss Helen Kocaba; biological assays under direction of Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. R. Richard Nichols. Compilations by Mrs. Grace Connors and Miss Eleanor Hopcraft.

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

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

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

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

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

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

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

REGULATION 3. CONCERNING VITAMIN D CARRIERS

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

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

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

REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

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

these purposes, the articles may be registered only under the law which applies.

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

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

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

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

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

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

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

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

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

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

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

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

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties; nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

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

REGULATION 10. REVISIONS AND SUBSTITUTIONS OF REGISTRATIONS

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

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

REGISTRATIONS

For the period January 1, 1960 to December 31, 1960, 233 firms registered 1,416 brands of feeding stuffs, and 20 firms registered 54 brands of vitamin carriers.

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

Acme Red Dog
Acme Wheat Standard Feedlings with Screenings
Acme Yellow Hominy Feed

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

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

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

"Procadian" Urea Feed Mixture
Procadian "281" Urea Feed Mixture

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

Sucrene 16% Dairy "P"
Wayne Breeder Medicated M-29
Wayne Calfnip
Wayne Calf Starter
Wayne Chick Starter Medicated M-13
Wayne Chick Starter Medicated M-36
Wayne Complete Breeder Medicated M-29
Wayne Complete Egg Medicated M-29
Wayne 16% Dairy
Wayne 20% Dairy
Wayne Dairy Mixer
Wayne 42% Dairy Mixing Supplement
Wayne 26% Egg & Breeder
Wayne Egg Medicated M-29
Wayne Egg Producer
Wayne Fitting Ration
Wayne Hog Finisher Medicated M-29
Wayne Horse Feed
Wayne M P Dairy Pellets
Wayne Medicated Bio-Rumintra M-27
Wayne Medicated H-A-D M-27
Wayne Medicated H-A-D M-59
Wayne Medicated H-A-D M-63
Wayne Medicated Poultry Res-Q M-19
Wayne Medicated Stress Diet M-58
Wayne Medicated Turkey Developer M-19
Wayne Medicated Turkey Pre-Starter M-19
Wayne Mink Meal

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

Wayne Pigeon Feed
 Wayne Pip-Z Poultry Wormer
 Wayne 15% Poultry Finisher
 Wayne 15% Poultry Finisher Medicated M-13
 Wayne Poultry Mixer Medicated M-29
 Wayne Pullet Developer
 Wayne Pullet Developer Medicated M-13
 Wayne Pullet Developer Medicated M-36
 Wayne Pullet Grower
 Wayne Pullet Grower Medicated M-13
 Wayne Pullet Grower Medicated M-36
 Wayne Rabbit Ration
 Wayne Rocket Broiler Finisher
 Wayne Rocket Broiler Finisher Medicated
 Wayne Rocket Broiler Finisher Medicated M-12
 Wayne Rocket Broiler Starter Medicated M-12
 Wayne Scratch Feed
 Wayne Starter and Grower
 Wayne Starter & Grower Medicated M-13
 Wayne Starter and Grower Medicated M-36
 Wayne Starter & Grower Medicated M-55
 Wayne Sweet Bulky Feed "E"
 Wayne Tail Curler - Medicated M-29
 Wayne Tail Curler - Medicated M-34
 Wayne Test Cow
 Wayne Turkey Developer Medicated M-11
 Wayne Turkey Developer Medicated M-24
 Wayne Turkey Developer Medicated M-53
 Wayne Turkey Finisher
 Wayne Turkey Finisher Medicated M-53
 Wayne Turkey Grower
 Wayne Turkey Grower Medicated M-53
 Wayne Turkey Pre-Starter Medicated M-11
 Wayne Turkey Pre-Starter Medicated M-24
 Wayne Universal Breeder Medicated M-29
 Wayne Universal Egg Medicated M-29
 Wayne Universal Grower
 Wayne Universal Grower Medicated M-13
 Wayne Universal Grower Medicated M-36
 Wayne Universal Mixer
 Wayne Universal Scratch Feed
 Wayne Universal Turkey Grower
 Wayne Universal Turkey Grower Medicated M-53

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

Dried Beet Pulp with Beet Molasses
 Plain Dried Beet Pulp

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

Arsanilic Acid
 Arzene Premix 4%
 Enheptin A 15%
 Megasul 25%
 Pantothenic Acid (PA-45)

AMERICAN FEED CO., W. 177th St. & Harlem River, New York, New York
 AFCO Wafer Meal

AMERICAN MAIZE-PRODUCTS CO., 250 Park Ave., New York, New York
 Amaizo Corn Gluten Meal
 Cream of Corn Gluten Feed

ANHEUSER-BUSCH, INC., 721 Pestalozzi St., St. Louis, Mo.
 Brewers' Dried Grains

ARCHER-DANIELS-MIDLAND CO., Alfalfa Div., P.O. Box 356, Kansas City 41, Missouri
 Small's 17% Dehydrated Alfalfa Meal
 Small's 20% Dehydrated Alfalfa Meal

ARCHER-DANIELS-MIDLAND CO., Minneapolis, Minn.
 Archer Quality 34% Protein Linseed Oil Meal
 Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal
 Archer Quality 50% Protein Solvent Extracted Low Fiber Soybean Oil Meal

ARMOUR and CO., 401 N. Wabash Ave., Chicago, Ill.
 Armour Mink Food Mix

ATLANTIC PROCESSING CO., Amagansett, N. Y.
 Smith's Life Line Fish Meal

BARBER & BENNETT, INC., Albany, N. Y.
 Fort Orange All Mash Layer
 Fort Orange Calf Grower & Booster
 Fort Orange Golden Test Ration
 Fort Orange Green Roughage
 Fort Orange Medicated Appetizer Mash
 Fort Orange Special Test Ration

THE BEACON MILLING CO., A Division of Spencer Kellogg & Sons, Inc., Cayuga, N. Y.
 Beacon Balancer Pellets
 Beacon Broiler Finisher
 Beacon Broiler Finisher NCA Medicated
 Beacon Broiler Finisher UN3 Medicated
 Beacon C-C Flushing Pellets
 Beacon Calf Grow
 Beacon Cape-Roaster Finisher NC Medicated
 Beacon Cape-Roaster Finisher UN3 Medicated
 Beacon "15" Coarse Test Cow Ration
 Beacon Complete Rabbit Pellets
 Beacon Complete Sow Pellets Medicated
 Beacon Complete Starter NC Medicated
 Beacon Dairy Breeder Pellets
 Beacon Dairy Fitting

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

Beacon Sodium Propionate Mixture Mixed with Beacon Dairy Fitting Ration
 Beacon Duck Breeder
 Beacon Duck Breeder Developer
 Beacon Duck Grower-Finisher
 Beacon 0.011% Iodinated Casein Mix Mixed with Beacon Duck Grower Finisher
 Beacon Duck Starter
 Beacon Egg Check A Medicated
 Beacon "22" Egg Mash
 Beacon Goat Ration
 Beacon Grower-All-Mash
 Beacon Grower All-Mash NC Medicated
 Beacon "18" Growing Mash
 Beacon Hi-Energy Test Pel-ets
 Beacon Horse Feed
 Beacon Market Egg All-Mash A Medicated
 Beacon Medicated Booster Pellets
 Beacon Medicated Poultry Mix 2CT
 Beacon Medicated "20" Turkey Grower AC-AN
 Beacon Milk Check "16" Dairy Ration
 Beacon Milk Check "18" Dairy Ration
 Beacon Milk Check "20" Dairy Ration
 Beacon Milk Check "32" Mixer
 Beacon Milk Check Fitting Ration
 Beacon "24" Mixer
 Beacon Dienestrol Diacetate and Nicarbazin Mix Mixed with Beacon Poultry Finisher
 Beacon Poultry Finisher NC Medicated
 Beacon Starter-Broiler
 Beacon Starter-BroilerNCA Medicated
 Beacon Starter-Broiler UN3 Medicated
 Beacon Sweet "16" Dairy Ration
 Beacon "16" Test Cow Ration
 Beacon "18" Test Cow Ration
 Beacon Turkey Breeder All-Mash
 Beacon Turkey Finisher All-Mash
 Beacon "22" Turkey and Game Bird Grower
 Beacon "20" Turkey Grower
 Beacon "20" Turkey Grower C Medicated
 Beacon Turkey & Poultry Fitting
 Beacon Turkey Starter SQA Medicated
 Beacon Worm Mash
 Be-Co Breeder A Medicated
 Be-Co-Grower
 Be-Co Grower NC Medicated
 Be-Co-Lass
 Be-Co Layer A Medicated
 Be-Co-Nurse Milk Replacer

THE BERKMAN GRAIN CO., North Franklin, Conn.

Nibco Crate Fattener
 Nibco 18% Dairy Ration

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

Nibco Fitting Ration
 Nibco Five Star Breeder
 Nibco Five Star Lo Color
 Nibco Five Star Roaster
 Nibco Five Star Roaster
 Nibco Five Star Roaster
 Nibco Five Star Super Starter
 Nibco Five Star Weight Maker
 Nibco Five Star Weight Maker
 Nibco Five Star Weightmaker
 Nibco High Energy Laying Growing and Mash
 Nibco Medicated Booster Feed
 Nibco Pullet Builder
 Nibco Pullet Starter
 Nibco Scratch Feed

DAVID BILGORE & CO., Clearwater, Fla.

Registered by Cocke & Co., Atlanta, Ga.
 Bilgore's (Brand) Citrus Pulp

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

Blatchford's Calf Meal
 Blatchford's Calf-Pab Medicated

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

Bloomfield 16% Dairy Ration

HAROLD C. BRANDT, Annville, Pa.

Registered by Reading Milling Co., Inc., Reading, Pa.
 Pure Winter Wheat Middlings

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

Brooklawn 16% Dairy Ration
 Brooklawn High Energy Layer
 Brooklawn Sweet Mix

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

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

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

Camden Brand Dried Brewers Grain

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

Maple Leaf Expeller Linseed Meal

THE CANADA STARCH CO., Ltd., Montreal, Quebec, Canada

Corn Gluten Feed 21%

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

17% Dehydrated Reground Alfalfa Pellets
 Sun-cured Alfalfa Crumbles

CARGILL, INC., 200 Grain Exchange, Minneapolis, Minnesota

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

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

Carling Brewers Dried Grains

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

Honest Brand Aureomycin Mix 100 grams
Honest Brand Aureomycin Mix 200 grams
Honest Brand Complete Breeder Mash
Honest Brand Complete Ration High Energy Growing Mash
Honest Brand Complete High Energy Laying Mash
Honest Brand Nu Weigh-Hi Broiler Mash Medicated
Honest Brand Nu Weigh-Hi Finisher Mash
Honest Brand Nu Weigh-Hi Finisher Mash
Honest Brand Nu Weigh-Hi Starter Mash Medicated

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

Central Flaked Soybean Hulls
Central's 44% Soybean Oil Meal Solvent Extracted
Thrifty-Fifty Central 50% Solvent Extracted Dehulled Soybean Oil Meal

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

Chelsea Wheat Middlings with Ground Wheat Screenings

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

Cherry's Wheat Bran

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

Howard's Veribest Dried Citrus Pulp

CLINTON CORN PROCESSING CO., Clinton, Iowa

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

CLYDE MILLING CORP., Clyde, N. Y.

Clyde Complete Rabbit Pellets
Clyde Complete Turkey Grower Mash
Clyde Fitting Ration
Clyde Hi-Cal-Re Complete Layer and Grower
Clyde Horse Feed
Clyde Market Egg Mash
Clyde Test Cow 18
Hominy Feed
Warren's Calf Starter
Warren's 16 Dairy Ration
Warren's Dairy Fitting Ration
Warren's Laying Mash
Warren's Milk-Maker 15
Warren's Test Cow 16 Dairy Ration

COATSWORTH & COOPER, Ltd., 100 University Ave. Toronto,
Canada

C & C Wheat Bran

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

Bilgore's (Brand) Citrus Pulp
Cocke-Sure Brand 41% Protein Cottonseed Meal
Suni-Citrolas for Crumbles and Silage
Sweet Suni-Citrus Pulp (Mfd. by Suni-Citrus Prod., Haines City,
Florida)

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

Choline Chloride 70%
B. Y. -21(R) Riboflavin Supplement
Corn Distillers Dried Grains with Solubles

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

Hydrolyzed Poultry Feathers
Poultry By-Product Meal

CONSOLIDATED BLENDERS, INC., Box 470, Fremont, Nebraska

17% Dehydrated Alfalfa Meal with Animal Fat Merry Mixer
Greenules

CONSOLIDATED MILLS, INC., Blissfield, Mich.

17% Alfalfa Meal Dehydrated

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

Corenco Feeding Bone Meal
Corenco 47% Meat & Bone Scrap

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

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

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

Blue C Complete Laying Mash
Blue C 20% Dairy Ration
Blue C Fitting Ration
Blue C Growing Mash
Blue C Horse Feed with Molasses
Blue C Laying Mash
Blue C Rabbit Pellets
Blue C Starting Mash
Blue C Super 16% Dairy Ration
Dairy Delight

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

Domaco Pure Winter Wheat Bran
Domaco Wheat Middlings with Wheat Screenings

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

Dairylea Dried Skim Milk

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

(See also Vitamin Carriers)

Dawe's Fermentation Flavonne No. 1

Dawe's Vitamelk (Ruminant Type)

Special Broiler Mix No. 571-D

DAWNWOOD FARMS, Smithfield Rd., Amenia, New York

Dawnwood Farms CAF-STAR

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

Illini Brand Expeller Type 43% Soybean Oil Meal

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

Delaware Egg Mash

Delaware Rabbit Pellets

Delaware Sweet Hominy

Eastern Connecticut Grain Associates Chick Starter Med.

Eastern Connecticut Grain Associates Growing Mash

Eastern Connecticut Grain Associates Laying Mash

Warren's C and C Breeder Mash

Warren's C and C Complete Growing Mash

Warren's C and C Complete Laying Mash

Warren's C and C Laying Mash

Warren's C and C Laying Mash with Aureomycin

Warren's Chick Starter Medicated

Warren's Fitting Ration

Warren's Indian 16% Dairy

Warren's 16% Test Ration

Warren's 20% Test Ration

THE DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio

44% Protein Soybean Oil Meal (Solvent Extracted)

DERBY FEEDSTORE, 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 Sweet 16% Dairy Ration

E. F. DREW & CO., INC., 15 East 26 St., New York, N. Y.

NRG 50

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

DU PONT TWO-SIXTY-TWO Feed Compound

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

(See also Vitamin Carriers)

Alfapels

All-Mash Breeder Medicated

Appiwehey

Beefmix - Diethylstilbestrol

Breeder Mash Medicated

Broiler Finisher Medicated

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

Broiler Starter Medicated

Calcite for Poultry

Calfsaver Tablets

Calf Starter

Cashmaker Medicated

Cashmaker - WM Medicated

Champion

Choicemaker Medicated

Class Leader

Darimore

Dairypels 16

Fulpail

Gee-Mix

Goalmaker 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 20

Milkmore

Milkmore-WA Medicated

Milksaver

Pacemaker Medicated

Pel-22 Medicated

Pel-Grow Medicated

Pel-Lay Medicated

Pork Builder

Pork Gainer Medicated

Porklets

Porkmix

Pork Primer Medicated

Poultry Wormer

Protek A

Protek F - Medicated

Rabettes

Roaster Finisher - Medicated

Supmix

Sweepstakes

Tastibulk

Thriftmaker

Trim-Maker

Turkey Breeder

Turkey Finisher

Turkey Finisher - C Medicated

Turkey Grower

Turkey Grower - C Medicated

Turkey Starter Medicated

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

Ecko Pure Wheat Bran
Wheat Middlings with Ground Wheat Screenings

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

Elmore Breeder Mash (1A)
Elmore Broiler Finisher Pellets (1N)
Elmore Bull Feed
Elmore Calf Grain Ration
Elmore Chixsaver
Elmore Chixsaver (1N)
Elmore Chixsaver (1S)
Elmore Complete Breeder Mash (1A)
Elmore Complete Calf Milk Replacer
Elmore Complete Growing Mash
Elmore Complete Growing Ration (1S) Medicated
Elmore Complete Laying Mash
Elmore Complete Market Egg Ration
Elmore Complete Market Egg Ration (1A)
Elmore Complete Rabbit Ration Pellets
Elmore Complete Turkey Growing Mash
Elmore Complete Turkey Growing Mash (1S)
Elmore Dry and Freshening Ration
Elmore Egg Mash (1A)
Elmore Fitting Ration 14%
Elmore Flaked Pelletted Calf Starter
Elmore Game Bird Breeder Mash
Elmore Game Bird Grower
Elmore Game Bird Grower (1H)
Elmore Game Bird Growing Medicated (1S)
Elmore Game Bird Starter with NF 180 Medicated
Elmore Game Bird Starter (1S)
Elmore Grand Champion Ration
Elmore Growing Mash
Elmore Hog Ration
Elmore 20% Laying Mash
Elmore Makemgrow Little Pig Ration
Elmore Maximilk Ration
Elmore Milk Grains "Sixteen"
Elmore Milk Grains "Twenty"
Elmore Pacemaker 16% Dairy Ration
Elmore Pacemaker 18% Dairy Ration
Elmore Picker-Upper Mash (2A)
Elmore Poultry and Turkey Fitting Ration
Elmore Restricted Grower
Elmore Rumin Stimulant 16%
Elmore .05% S. Q. Mixture
Elmore Stock Feed
Elmore Super Broiler Ration (1N)
Elmore Super Silage
Elmore 30% Supplemental Dairy Ration
Elmore Test Ration 16%
Elmore Test Ration 18%
Elmore Turkey Finisher (Fattener)
Elmore Turkey Growing Mash

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

Elmore Turkey Growing Mash (1H)
Elmore Turkey Starting Mash (1S)
13% Sun Cured Alfalfa Meal

JOHN W. ESHELMAN & SONS, Lancaster, Pa.

Lancaster 16 Dairy Feed
Lancaster 20 Dairy Feed
Lancaster Scratch Grains
Pennsy Complete Laying Ration
Pennsy 16 Dairy Feed
Pennsy Laying Mash
Red Rose Breeder Mash
Red Rose Broiler Finisher
Red Rose Calf Grower
Red Rose Calf Starter
Red Rose Chick Grains
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 Grower
Red Rose 16 Dairy Feed
Red Rose 18 Dairy Feed
Red Rose 20 Dairy Feed
Red Rose Fitting Ration
Red Rose Goat Ration
Red Rose Growing Mash
Red Rose Horse Feed
Red Rose Intermediate Chick Grains
Red Rose Laying Mash
Red Rose Medicated T-C Feed
Red Rose Milk Replacer
Red Rose Pigeon Feed
Red Rose Porkmaker
Red Rose Rabbit Pellets
Red Rose Rabbit Pellets Medicated
Red Rose Scratch Grains
Red Rose Starter & Grower
Red Rose 14 Test-Cow Feed
Red Rose Turkey Starter
Red Rose Wild Bird Feed
S-O-S

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

Emco Hominy Feed

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

All Purpose Pre-Mix
Custom High Energy Pre-Mix
Roaster Pre-Mix Medicated
Custom High Energy Pre-Mix
W. M. Plain Pre-Mix Medicated

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

Farm Bureau Complete Grower Layer Mash or Pellets Medicated

Farm Bureau 16% Dairy Ration

Farm Bureau 14% Milking Ration

Farm Bureau Milk Replacer

Farm Bureau Rabbit Food Pellets

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

"Bull Brand" Brewers Dried Grains

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

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

FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N. J.

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

FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla.

Lake Wales Brand Citrus Pulp

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

Flory Fleshing Pellets

Flory Horse Feed

Flory 20% Layer

Flory Medicated Stim-U-Lets

Flory Record 16% Dairy Feed

Flory Scratch Feed

THE FOX CO., Newfield, N. J.

(See also Vitamin Carriers)

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

Foxco Flavitein

Foxco Qualadee A & D Feeding Oil

Vitamin 2-4-9-C Supplement

FREMONT ALFALFA MILLS, INC., Highway 6 & So. Bloom Road, Fremont, Ohio

Riverbottom Dehydrated 17% Alfalfa Meal

GENERAL FOODS CORP., 1551 E. Willow St., Kankakee, Illinois

Burt's Hominy Feed

GENERAL MILLS, INC., Minneapolis, Minn.

Ben Hur Wheat Bran

Ben Hur Wheat Middlings with Ground Wheat Screenings

General Mills 44% Protein Solvent (Hexane) Extracted Soybean Oil Meal

General Mills 50% Protein Solvent (Hexane) Extracted Soybean Oil Meal

Purity Oat Mill By-Product

Washburn's Gold Medal Adrian Wheat Red Dog

Washburn's Gold Medal Wheat Bran with Ground Wheat Screenings

GENERAL MILLS, INC., Minneapolis, Minn. - Cont.

Washburn's Gold Medal Wheat Middlings with Ground Wheat Screenings

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

Gold Medal Karmel Grist

Gold Medal Stock Champ

Larro Chick Grains

Larro .0023% Dienestrol Diacetate Mix in SureBroiler

Caponette 20 (NCB-AGS) Medicated

Larro Medicated Broiler SureLift

Larro Medicated Broiler SureLift (FRZ)

Larro Medicated Poultry SureLift

Larro Medicated Poultry SureLift (.011 FRZ)

Larro Medicated Poultry SureLift (.022 FRZ)

Larro Medicated SureLay Complete "H-E" (.011 FRZ)

Larro Medicated SureLay Complete "H-E" (.022 FRZ)

Larro Medicated SureLift

Larro Medicated SureLift 16

Larro Medicated SureLift 27 (FRZ)

Larro Medicated SureMilk Keto-Kurb

Larro SureBeef 12

Larro SureBroiler Finisher 21 (ZOL) Medicated

Larro SureBroiler Finisher 23

Larro SureBroiler Finisher 23 (NCB-AGS) Medicated

Larro SureBroiler Finisher 23 (NFZ) Medicated

Larro SureBroiler Starter 23 (ZOL) Medicated

Larro SureBroiler Starter 26 (NCB-AGS) Medicated

Larro SureCalf

Larro SureChick

Larro SureChick (NCB) Medicated

Larro SureChick (.0083 ZOL) Medicated

Larro SureGrow Complete "H-E"

Larro SureGrow Complete "H-E" (NCB) Medicated

Larro SureGrow Complete "H-E" (.0083 ZOL) Medicated

Larro SureLay "H-E"

Larro SureLay Complete "H-E"

Larro SureLay Complete "H-E" (.00275 FRZ) Medicated

Larro SureMilk 14

Larro SureMilk 16

Larro SureMilk 20

Larro SurePoult

Larro SureRabbit Medicated

Larro SureRaise

Larro SureRaise Medicated (CHL)

Larro SureTasty 16 Pellets

Larro SureTasty 20 Pellets

Larro SureTurk

Larro SureTurk (CBS) Medicated

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

Globpro Brand 60% Protein Fish Meal

GOLDENROD OIL MEAL SALES CO., Memphis, Tenn.

Goldenrod Brand 41% Protein Cottonseed Meal-Prime Quality

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

Gorton's Redfish Meal

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

Grandin's Calf Starter

Grandin's Complete Grower & Layer

Grandin's Dairy Maid 16

Grandin's Dry & Freshening Ration

Grandin's 14 Fit-Fresh-Produce

Grandin's 14 Fitting Ration

Grandin's Happy Calf Milk Replacer

Grandin's Hi-Cal Pellets

Grandin's Hi-Nutro

Grandin's Horse Feed

Grandin's Laying Mash

Grandin's 16 Milk Maker

Grandin's 14 Milk Producer

Grandin's 16 Milk Producer

Grandin's Pig & Sow Feed

Grandin's Rabbit Pellets

Grandin's Start-To-Finish

Grandin's 18% Twin Six Dairy Ration

GRAND ISLAND CITRUS COOPERATIVE, Umatilla, Fla.

Golden Gems Sweet Dried Citrus Pulp

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

Daily Egg Laying Mash

Daily Growth Chick Starter

Daily Growth Fine Chick Feed

Daily Growth Growing Mash

GREEN ACRE FARMS, Nazareth, Pa.

Green Acre's Brand 17% Dehydrated Alfalfa Meal

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

Haffenreffer Brewer's Dried Yeast

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

Big-R-Buy 16 Dairy

Pioneer Beef Fitting Ration

Pioneer Calf Starter

Pioneer Dairy Fitting Feed

Pioneer Dairy Production 16

Pioneer Dairy Production 18

Pioneer Dry & Freshening

Pioneer Horse Feed

Pioneer Pelleted Flaked 15 Dairy

Pioneer Pig Gro-Pel Medicated

Pioneer Rabbit Pellets

Pioneer Sup-Pel Pellets

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

Red Comb Breeder Mash

Red Comb Broiler Finisher

Red Comb Broiler Finisher Z3 Medicated

Red Comb Broiler Starter Z3 Medicated

Red Comb Broiler Station Fattener

Red Comb C Flakes

Red Comb Chick Starter

Red Comb Chick Starter Z Medicated

Red Comb Complete Breeder

Red Comb Complete Grower

Red Comb Complete Layer 16

Red Comb Complete Layer 16 Medicated

Red Comb Complete Layer 16F Medicated

Red Comb 0.011 Iodinated Casein Mixture Incorp. in Red
Comb Duck Starter

Red Comb Egg Mash

Red Comb Egg Mash Medicated

Red Comb Fine Chick

Red Comb Growing Mash Z Medicated

Red Comb Medicated Poult Saver

Red Comb Pioneer Wormer

Red Comb Pullet Developer

Red Comb Scratch Feed

Red Comb Turkey Breeder

Red Comb Turkey Finisher 17

Red Comb Turkey Grower 20

Red Comb Turkey Grower 23

Red Comb Turkey Starter S Medicated

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

Custom W. M. Plain Premix No. 2717

HARPER FEED MILLS, Washington, Pa.

Harco Milk Replacer for Young Calves

Warren's Complete Growing Mash

Warren's Complete Laying Mash & Pellets

Warren's 16% Dairy Ration

Warren's 20% Laying Mash

Warren's Test Cow 16% Dairy

HIGHLAND PRODUCTS, INC., 525 No. 4th St., Minneapolis, Minn.

Highland's Hi-Nutra

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

Hood Citrus Pulp

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

Hood Calf Starter

Hood Pep-Lac

Hood Whey-Lac

Powdered Skim Milk

- 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, Illinois
 Hominy Feed
- INDUSTRIAL MOLASSES CORP., 3033 Excelsior Blvd., Minneapolis, Minnesota
 Dried Beet Pulp
- INTERNATIONAL MILLING COMPANY, 1200 Investors Bldg., Minneapolis, Minn.
 Blackhawk Wheat Bran with Ground Mixed Screenings
 Blackhawk Wheat Middlings with Ground Mixed Screenings
 Target Wheat Red Dog
- INTERNATIONAL STOCK FEED CORP., 533 Broad St., Waverly, N. Y.
 I-S-F Cattle Special
- HERMAN ISACS, INC., Bridgeport, Conn.
 Hi Test Meat & Bone Meal
- KELLOGG SALES COMPANY, Battle Creek, Michigan
 Kellogg's Hominy Feed
 Kellogg's Kel-Blend
 Kellogg's Mink Mix
 Kellogg's Mink Ration
- SPENCER KELLOGG & SONS, INC., 98 Delaware Ave., Buffalo, N. Y.
 Spencer Kellogg's 50% Protein Dehulled Soybean Oil Meal Solvent Extracted
 Spencer Kellogg's 32% Old Process (Expeller) Linseed Oil Meal
- KEYSTONE DEHYDRATORS, Nazareth, Pa.
 Keystone Super Green Dehydrated Alfalfa Meals with Santoquin and Animal Fat
 Keystone Super Green Dehydrated Alfalfa Meal with Santoquin in Vegetable Fat Product
- KRAFT FOODS, Div. National Dairy Products Corp., Highway 600 West, Lakeland, Florida
 Daily Maid Dried Citrus Pulp
- KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New York, N. Y. (See also Vitamin Carriers)
 Pex High Lay Pellets for Layers & Breeders
 KAFF-A Booster Pellets
 KAFF-A Milk Replacer for Calves Medicated Milk by-products 65%
- KRACO Naturally Sweet Dried Whole Whey
 PEX Condensed for Poultry
 PEX Self Feeder Block for Broilers

- KRAFT FOODS, Div. National Dairy Products Corp., 99 Park Ave., New York, N. Y. - Cont.
 PEX Self Feeder Block for Layers & Breeders
 PEX Self Feeder Block for Poultry
 PEX Self Feeder Whey Block for Poultry
- CHAS. A. KRAUSE MILLING CO., 404 E. State St., Milwaukee, Wis.
 Badger Yellow Hominy Feed
- KUDER PULP SALES CO., Lake Alfred, Florida
 Kuder Dried Citrus Pulp, High Sugar
- LAKE STATES YEAST & CHEMICAL, Div. of St. Regis Paper Co., 603 W. Davenport St., Rhinelander, Wisconsin
 Dried Torula Yeast
- LAUHOFF GRAIN CO., Danville, Ill.
 Vermilion Hominy Feed
 43% Protein Expeller Soy Bean Oil Cake
- LAUHOFF SOYA CO., Danville, Ill.
 44% Protein Solvent Extracted Soybean Oil Meal
 50% Protein Solvent Extracted Soybean Oil Meal
- LIBBY, McNEILL & LIBBY, 200 So. Michigan Ave., Chicago, Ill.
 Headliner Dried Citrus Pulp
- THE LIBNER GRAIN CO., 25 Commerce St., Norwalk, Conn.
 Libner's Blue Ribbon Growing Mash
 Libner's Blue Ribbon Horse and Calf Ration
 Libner's Blue Ribbon Milk Egg Mash
- LOCKWOOD NUTRITION SERVICE, INC., 177 Milk St., Boston, Mass.
 Dellwood Brand Dried Whey
- L. B. LOVITT & CO., Memphis, Tenn.
 "Lovit Brand" 41% Protein Cottonseed Meal Prime Quality
- MAINE REDUCTION CO. INC., Brooks, Maine
 Poultry By Products Meal
- MAK MOR CORP., P.O. Box 123, Clinton, Mass.
 Mak Mor Morea^(R) M-30 (Liquid Feed Supplement)
- THE MANITOBA SUGAR CO., Winnipeg, Manitoba, Canada
 Molasses Dried Beet Pulp
- MAPLE LEAF MILLING CO., Ltd., Toronto, Ontario, Canada
 (Registered by Wirthmore Feeds Inc., Waltham, Mass.)
 Rex Wheat Bran
 Rex Wheat Standard Middlings
- MARINE PRODUCTS CO., 345 W. First St., Boston, Mass.
 A & D Feeding Oil High Potency

MARION MILLING CO., Marion, Ohio

Cloverleaf Wheat Middlings & Ground Wheat Screenings
Pure Wheat Bran

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

B-B 16% Dairy Ration 1100 - 2100
Ma-Co Complete Breeder Ration 975
Ma-Co Complete Grower & Layer Ration 1025
Ma-Co Complete Grower & Layer Ration Medicated 1025-ARZ
Ma-Co Pullet Developer Feed Medicated 1005-ARZ
Ma-Co Wormer Crumbles 980-P
Super Ma-Co Broiler Finishing Ration Medicated 810-UN
Super Ma-Co Breeder Mash 850
Super Ma-Co Broiler Ration Medicated 800-UN
Super Ma-Co Complete Breeder Ration Medicated 845-AR
Super Ma-Co Complete Chick Starter Ration Medicated 805-AR
Super Ma-Co Complete Chick Starter Ration Medicated 805-ARZ
Super Ma-Co Complete Growing & Laying Ration Medicated
815-AR
Super Ma-Co Complete Growing & Laying Ration Medicated
815-ARZ.
Super Ma-Co Complete Growing & Laying Ration Medicated
815-AR-F
Super Ma-Co Complete Turkey Breeder Ration Medicated 910-H
Super Ma-Co Complete Turkey Growing Ration Medicated 905-H
Super Ma-Co Complete Turkey Starter Ration Medicated
900-AR-S
Super Ma-Co Egg Mash 840
Super Ma-Co 16% Poultry Finishing Ration 860
Super Ma-Co Stress-Aid Ration Medicated 970-A-1
Super Ma-Co Medicated Stress-Aid Ration 970-A-2-F
Super Ma-Co Medicated Stress-Aid Ration 970-AT-200

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

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

MAY GRAIN CO., Independence, Mo.

A & L Chinchella Pellets

McCABE GRAIN CO., LTD., 409 Grain Exchange Bldg., Winnipeg,
Manitoba, Canada

Ground Mixed Screenings

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

Dienestrol Diacetate & Nicarb Mix Inc. in Master Made Broiler
Finisher (323-71F)
Master Made Broiler Finisher A 323-77L Medicated
Master Made Broiler Starter 307-77L Medicated
Master Mix All Mash Pullet Developer
Master Mix All Mash Pullet Grower 135-72A Medicated
Master Mix All Mash Turkey Grower 421

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

Master Mix Beef Concentrate
Master Mix Broiler Finisher Concentrate 375
Master Mix Broiler Starter 307-72A Medicated
Master Mix Broiler Starter Concentrate 351
Master Mix Calflac
Master Mix Calf-Mixer
Master Mix Calf Starter
Master Mix Caponette Finisher Concentrate 383
Master Mix Chick Starter 103-72A Medicated
Master Mix Complete Rabbit Pellets 961
Master Mix Complete Turkey Finisher
Master Mix Custom 12% Dairy Feed 617
Master Mix Dairy Concentrate A 660-03B Medicated
Master Mix 14% Dairy Feed (621)
Master Mix 16% Dairy Feed
Master Mix 44% Dairy Supplement 673
Master Mix Egglac Pellets
Master Mix Egglac Pellets 221
Master Mix Egg Mash
Master Mix Flaked Soybean Hulls
Master Mix Hi-Q 14% Dairy Feed 615
Master Mix Hi-Q 16% Dairy Feed 624
Master Mix Hi-Q Master Blend "A" 669-03B Medicated
Master Mix Hi-Q Master Blend Concentrate 667
Master Mix Horse Feed
Master Mix Master Blend Dairy Concentrate
Master Mix Medicated Biofeed 180 905-20A
Master Mix Medicated Biofeed 200 (89A)
Master Mix Medicated Broiler Bio 912-65B
Master Mix Poult Starter 401-83A Medicated
Master Mix Prime Finisher 341-55A Medicated
Master Mix Prime Finisher 341-77B Medicated
Master Mix Sweet 16% Dairy Feed 620
Master Mix Sweet 16% Dairy 620A 620B
Master Mix Sweet Flakes

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

M & S Economy Dairy Feed
Quality Brand Complete Growing
Quality Brand Complete Laying
Red Wing Calf Starter & Grower
Red Wing 16% Dairy Feed
Red Wing Fitting Ration
Red Wing 16% High Energy Dairy Ration
Red Wing Horse Feed
Red Wing Pig & Hog Feed
Red Wing Rabbit Pellets
Red Wing Stock Feed
Special Balance Growing Mash
Special Balance High Efficiency Complete Growing Mash
Special Balance High Efficiency Complete Laying Mash
Special Balance Laying Mash
Special Balance Starting Mash - SQ

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

Special Broiler-Finisher Medicated
Thrifty Complete Laying Mash Med. 3-Nitro

THE MENNEL MILLING CO, Fostoria, Ohio

Memo Wheat Middlings with Ground Wheat Screenings.
Memo Pure Wheat Bran

MERCK & CO., INC., Rahway, N. J. (See also Vitamin Carriers)

Amprol 25%
No. 812 Feed Supplement
No. 941 Feed Supplement Improved PreMix Medicated
Glycamide 12%
No. 659 Vitamin Mixture

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

Choice Steam Cooked Hominy Feed

MINNESOTA LINSEED OIL CO., Minneapolis, Minn.

Minnesota Solvent Extracted Linseed Oil Meal 34% Protein

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

Golden Isle Citrus Pulp

GEO. Q. MOON & CO., INC., Binghamton, New York

Moon Complete Growing Mash
Moon Complete Laying Mash
Moon 20% Dairy Ration
Moon Goat Ration
Moon Dairy Fitting Ration
Moon Growing Mash
Moon Hog Feed
Moon Horse Feed
Moon Laying Mash
Moon Rabbit Pellets
Moon Scratch Feed
Moon Starter Mash

MOWAT, WILSON & CO., Detroit 35, Michigan

Dried Beet Pulp
Dried Beet Pulp and Feeding Beet Molasses

MYZON, INC., 3129 W. 47th Street, Chicago 32, Illinois

(See also Vitamin Carriers)
Myzon Calf Builder
Myzon Poultry Builder
Myzon Poultry Medicine

NATIONAL ALFALFA DEHYDRATING & MILLING CO.,

Lamar, Colorado

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

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

Namico ("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
Nadrisol Brand Corn Distillers Dried Solubles
Produlac Brand Corn Distillers Dried Solubles with Grains

NATIONAL VITAMIN PRODUCTS CO., 3401 Hiawatha Ave., South, Minneapolis, Minn.

Calvita Calf Formula (Trade Mark Reg.)

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

Clifton Wheat Bran
Jersey Wheat Bran
Jersey Flour Middlings

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

(See also Vitamin Carriers)

Nopco-Pak EMC-High Energy Premix
Nopco-Pak DDA - Hi-Lay Premix
Nopco-Pak ELN - Roaster Premix
Nopco-Pak EAZ - Super Premix
Nopco-Pak EKK - W. M. Plain Premix
Nopdex "3000"

NORTH AMERICAN TRADING & IMPORT CO., Philadelphia, Pa.

Natico Dry Feeding Cane Molasses Product

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

GW Dried Beet Pulp
GW Dried Molasses Beet Pulp

OGDEN GRAIN CO., Utica, N. Y.

C. L. Special 15
Life Span 15
Life Span 18
Ogden C. L. Special 16
Ogden C. L. Special 20
Ogden Complete Breeder Medicated
Ogden Complete Chick Starter
Ogden Complete Grower
Ogden Complete Layer Medicated
Ogden Growing Mash
Ogden Grow-Rite Complete Pullet Ration
Ogden Hi-Energy Breeder Mash Medicated
Ogden Hi-Energy Laying Mash Medicated
Ogden Horse Feed
Ogden Laying Mash
Ogden Milk Replacement
Ogden Premium Dry & Freshening Ration
Ogden Premium 16 Pel-Flake

OGDEN GRAIN CO., Utica, N. Y. - Cont.

Ogden Premium 18% Test Cow Ration
 Ogden Rabbit Pellets
 Ogden Reliable 16% Dairy Ration
 Ogden Scratch Grains
 Ogden Super Hi-Energy Laying Mash
 Ogden Super Pig Ration

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

Urea - Feed Compound

OSCEOLA FRUIT DISTRIBUTORS, Kissimee, Florida

Osceola Citrus Pulp

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

Pabst Blue Ribbon Brewers Dried Grains
 Pabst Yellow Hominy Feed

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

Hi-Prime Complete Turkey Finisher 325
 Hi-Prime Complete Turkey Grower Medicated 330-AR
 Hi-Prime Complete Turkey Grower Medicated 330-H
 Hi-Prime Turkey Starter Medicated 300-AR-S
 Lay or Bust Complete Breeder 245
 Lay or Bust Complete Chick Starter Medicated 225-ARZ
 Lay of Bust Complete Grower & Layer 230
 Lay or Bust Complete Grower & Layer Medicated 230-ARZ
 Lay or Bust Growing & Laying Mash 205
 Lay or Bust Growing & Laying Mash Medicated 205-ARZ
 Lay or Bust Hi-Valu Pellets 175
 Medicated Lay or Bust D-Wormer Crumbles 165-P
 Milk-Maid Calf Starter 455
 Milk-Maid 16% Dairy Ration 405 - 1405
 Milk-Maid 18% Dairy Ration 425 - 1425
 Milk-Maid 20% Dairy Ration 415 - 1415
 Milk-Maid Dri-Fresh Fitting Ration 440
 Milk-Maid Milk Replacer
 Milk-Maid 14% Test Ration 400
 Milk-Maid 18% Test Ration 410
 Park & Pollard Go-Tu-It Pig Grower Medicated 560-AR
 Park & Pollard Go-Tu-It Pig Starter Medicated 555-AR-C-Z
 Park & Pollard Hi-Speed Horse Feed 545
 Park & Pollard Rabbit Pellets 580
 Red Ribbon 16% Dairy Ration 605
 Super Hi-Power Broiler Finisher Medicated 125-UN
 Super Hi-Power Broiler Ration Medicated 120-UN
 Super Lay or Bust All-Mash Breeder Medicated 140-AR
 Super Lay or Bust All-Mash Grower & Layer Medicated 130-AR
 Super Lay or Bust All-Mash Grower & Layer Medicated 130-ARZ
 Super Lay or Bust Chick Starter Medicated 100-ARZ
 Super Lay or Bust Egg Mash 110
 Super Lay or Bust Growing Feed 105
 Super Lay or Bust Growing Feed Medicated 105-ARZ

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

Super Lay or Bust 16% Poultry Finishing Ration 135

PASCO PACKING CO., Dade City, Florida

Sugar Sweet Citrus Pulp

PATENT CEREALS CO., Geneva, N. Y.

Hominy Feed

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

Douglas Corn Gluten Meal
 21% Protein Douglas Corn Gluten Feed

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

Pennsylvania Meat and Bone Scraps

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

High Lay Premix
 R-4

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

Pigeonets by PURGRAIN

THE PILLSBURY COMPANY, Minneapolis, Minn.

Pillsbury's XX Daisy (Reddog)
 Pillsbury's Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run
 Pillsbury's Wheat Middlings with Ground Wheat Screenings not Exceeding Mill Run

PILLSBURY CANADA LTD., Midland, Ontario, Canada

Dandy Wheat Bran

PITTSBURGH PLATE GLASS CO., Red Wing, Minn.

Red Wing 34% Protein Solvent Extracted Linseed Oil Meal

R. C. PRATT & CO. LTD., 18 Toronto St., Toronto, Canada

Ruler Brand Pure Wheat Shorts

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

Paco Molasses Distillers Dried Solubles

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

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

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

Ful-O-Pep Growing Mash (Q3)
 Ful-O-Pep Growing Mash (VI) Medicated
 Ful-O-Pep Growing Ration
 Ful-O-Pep Growing Ration Q1
 Ful-O-Pep Growing Ration (V) Medicated
 Ful-O-Pep High Sweet Blend L
 Ful-O-Pep Horse Feed
 Ful-O-Pep Laying Mash
 Ful-O-Pep Laying Ration
 Ful-O-Pep Medicated Super Greens Pellets (C2D1)
 Ful-O-Pep Pig-N-Sow Ration
 Ful-O-Pep Pig Starter (KP)
 Ful-O-Pep Pullet Developer
 Ful-O-Pep Pullet Developer (Q1)
 Ful-O-Pep Pullet Developer (V) Medicated
 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 Laying Ration (A)
 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.

Checkerboard Pasture Ration L
 Corn and Oat Provender
 Custom Breeder (Arbor Acre)
 Custom Broiler Finisher (Arbor Acre) Medicated
 Custom Broiler Finisher NON (Arbor Acre)
 Custom Broiler Starter (Arbor Acre) Medicated
 Custom Developer (Arbor Acre)
 Custom Grower D (Arbor Acre)
 Northeastern Scratch Feed
 36% Protein Cottonseed Meal
 44% Protein Solvent Extracted Soybean Oil Meal
 Purina B & M Cow Chow
 Purina Baby Pig Chow Medicated
 Purina Breeder Lay Chow E.
 Purina Breeder Layena (Complete Ration) E
 Purina Broiler Chow D Medicated
 Purina Broiler Chow (D) UN Medicated
 Purina Broiler Chow Finisher E Medicated
 Purina .0023% Dienestrol Diacetate in Purina Broiler Chow
 Finisher E Medicated
 Purina Dienestrol Diacetate Mixture in Purina Broiler Chow
 Finisher (E) BI Medicated
 Purina Broiler Chow Finisher (E) NON
 Purina Broiler Chow Finisher (E) AB Medicated
 Purina Broiler Chow Finisher (E) AB BI Medicated
 Purina Broiler Chow Finisher (E) AB NC Medicated

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

Purina Broiler Chow Finisher (E) 3 NC Medicated
 Purina Broiler Chow Finisher (E) UN Medicated
 Purina Broiler Chow Starter E Medicated
 Purina Broiler Chow Starter (E) AB BI Medicated
 Purina Broiler Chow Starter (E) AB NC Medicated
 Purina Broiler Chow Starter (E) 3 NC Medicated
 Purina Broiler Chow Starter (E) UN Medicated
 Purina Bulky Las
 Purina Calf Startena
 Purina Calf Startena (Coarse)
 Purina Dienestrol Diacetate Mixture in Purina Capena NC
 Medicated
 Purina Capena UN Medicated
 Purina Chick Chow (Coarse)
 Purina Chick Chow (Fine)
 Purina Chick Growena D
 Purina Chick Growena (D) UN Medicated
 Purina Chick Growing Chow D
 Purina Chick Startena D Medicated
 Purina Chick Startena (D) UN Medicated
 Purina Complete Sow Chow
 Purina Cow Chow D 16%
 Purina Cow Chow D 20%
 Purina Cow Chow Concentrate
 Purina Cow Chow Concentrate 36%
 Purina D & F Chow
 Purina D & F Chow (Coarse)
 Purina Dairy Chow L 16%
 Purina Duck Breeder Layena
 Purina Duck Growena
 Purina Duck Startena
 Purina Eggena
 Purina Fitting Ration
 Purina Fox Chow
 Purina Game Bird Breeder Layena (Complete Ration)
 Purina Game Bird F & M Chow
 Purina Game Bird Growena
 Purina Game Bird Startena
 Purina Goat Chow A
 Purina Goat Chow A (Coarse)
 Purina Goat Chow Checkers D
 Purina Goat Chow (Special)
 Purina Guinea Pig Chow
 Purina Hog Finisher No. 1 Medicated
 Purina Lay Chow E
 Purina Layena (Complete Ration) E
 Purina Meat Pullet Fattening Chow BI Medicated
 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., 835 S. Eighth St., St. Louis, Mo. - Cont.

Purina Milk Chow D 20% (Coarse)
 Purina Mink Breeder Chow
 Purina Mink Developer Chow
 Purina Mink Developer Chow SF
 Purina Nursing Chow
 Purina Of Broiler Chow Finisher NON
 Purina Of Broiler Chow Finisher Medicated
 Purina Of Broiler Chow Finisher NC Medicated
 Purina Of Broiler Chow Finisher (V) UN Medicated
 Purina Of Broiler Chow Starter V Medicated
 Purina Of Broiler Chow Starter (V) AB BI Medicated
 Purina Of Broiler Chow Starter (V) NC Medicated
 Purina Of Broiler Chow Starter (V) UN Medicated
 Purina Omolene
 Purina Pigeon Chow Checkers
 Purina Pig Startena Medicated
 Purina Pig-Plus Medicated
 Purina Poultry Booster Chow
 Purina Poultry Wormer D
 Purina Pullet Developer
 Purina Pullet Developer UN Medicated
 Purina Pullet Developer F
 Purina Pullet Developer (F) UN Medicated
 Purina Rabbit Chow Checkers (20%)
 Purina Rabbit Chow Checkers (Complete Ration)
 Purina Rabbit Chow Checkers (Complete Ration) SQ Medicated
 Purina Rabbit Chow Checkers NF SQ (Complete Ration) Medicated
 Purina Rabbit Chow Checkers WO
 Purina Range Checkers
 Purina Roaster Chow E
 Purina Dienestrol Diacetate Mixture in Purina Roaster Chow (E) BI Medicated
 Purina Roaster Chow (E) NC Medicated
 Purina Dienestrol Diacetate Mixture in Purina Roaster Chow (E) NC Medicated
 Purina Roaster Chow (E) UN Medicated
 Purina Rolled Oats (Steam Cooked)
 Purina Silage Preserver
 Purina Special Steer Fatena 32%
 Purina .0011% Diethylstilbestrol Mix in Purina Special Steer Fatena 32%
 Purina Squab Broiler Chow 3 NC Medicated
 Purina Squab Broiler Chow UN Medicated
 Purina Super Breeder Layena (Complete Ration)
 Purina Super Layena (Complete Ration)
 Purina Turkey Breeder Layena
 Purina Turkey Breeder Layena HZ Medicated
 Purina Turkey Broiler Finisher D
 Purina Turkey Fatena D
 Purina Turkey Fatena (D) HZ Medicated
 Purina Turkey Fatena (D) SQ Medicated
 Purina Turkey Finisher D No. 1
 Purina Turkey Finisher D No. 1 HZ Medicated

RALSTON PURINA CO., 834 S. Eighth St., St. Louis, Mo. - Cont.

Purina Turkey Finisher D No. 2
 Purina Turkey Finisher D No. 2 HZ Medicated
 Purina Turkey Growena D No. 1
 Purina Turkey Growena D No. 1 HZ Medicated
 Purina Turkey Growena D No. 1 SQ Medicated
 Purina Turkey Growena D No. 2
 Purina Turkey Growena D No. 2 HZ Medicated
 Purina Turkey Growena D No. 2 SQ Medicated
 Purina Turkey Pre-Starter
 Purina Turkey Startena
 Purina Turkey Startena HZ Medicated
 Purina Turkey Startena SQ Medicated

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

Faramel All Mash Grower
 Faramel All Mash Layer
 Faramel Rabbit Food Pellets
 Pure Winter Wheat Middlings

ROHLOFF BROS., INC., Graytown, Ohio

Rohloff's Dehydrated Alfalfa Meal with Animal Fat 15%
 Rohloff's Dehydrated Alfalfa Meal with Animal Fat 17%
 (Registered by West-Nesbitt, Inc., Oneonta, N. Y.)

RUSSELL-MILLER MILLING CO., P.O. Box 2111, Commerce Station, Minneapolis 15, Minn.

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

SASKATCHEWAN WHEAT POOL NO. 8, Fort William, Ontario, Canada

Ground Flax Screenings

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

Wolf's Broiler Finisher Medicated
 Wolf's Calf Milk Replacer
 Wolf's Calf Starter
 Wolf's Complete Hi-Eff Egg-Breeder Mash Medicated
 Wolf's Complete Hi-Eff Growing Mash
 Wolf's Complete Hi-Eff Profit Builder Medicated
 Wolf's Complete Hi-Eff Profit Builder, Medicated AR SQ
 Wolf's 14% Dairy Ration
 Wolf's 16% Dairy Ration
 Wolf's 18% Dairy Ration
 Wolf's 20% Dairy Ration
 Wolf's Dry & Freshening Ration
 Wolf's Egg Mash
 Wolf's Hi-Speed Starter & Broiler Ration Medicated
 Wolf's Horse Feed
 Wolf's Performo-Las
 Wolf's Pig and Hog Feed
 Wolf's Super Hi-Eff Starter & Broiler Ration Medicated

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

Wolf's 16% Test Ration

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

Schenley Mark of Merit Corn Distillers Dried Grains with Solubles

Schenley Mark of Merit Milo Distillers Dried Grains with Solubles

Schenley's Soludri Corn Distillers Dried Solubles

Schenley's Soludri Corn Distillers Dried Solubles

SCHOENECK FARMS, INC., Nazareth, Penna.

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, Connecticut

Sea-Born

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

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

SEAFORTH MILLING CO. LTD., Montreal, Winnipeg, Keewatin, Canada

Tip Top Ground Grain Screenings

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

Seagram's Corn Distillers Dried Grains

Seagram's Corn Distillers Dried Grains

Seagram's Corn Distillers Dried Solubles

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

Miracle Broiler-Starter Medicated with SQ & 3-Nitro

Miracle 14% Calf Grower

Miracle Dairy 16%

Miracle Fitting Ration

Miracle Hi-Energy All Mash Layer

Miracle Hi-Q 16% Dairy

Miracle Hi-Q 18% Dairy

Miracle Hog Finisher Ration

Miracle Horse Feed

Miracle 20% Laying Mash

Miracle Pig Grower

Miracle Scratch Feed

Pasture Mix

See-More-Milk Dairy Ration 18%

See-More-Milk Dairy Ration 20%

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

Sherwin-Williams 34% Linseed Oil Meal Solvent Extracted

Sherwin-Williams 44% Protein Soybean Oil Meal (Solvent Ext.)

SOUTHERN FRUIT DISTRIBUTORS, Orlando, Florida

Bluebird Citrus Pulp

STABILIZED VITAMINS, INC., 142 Monroe St., Garfield, N. J.
(See also Vitamin Carriers)

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

Perma-D-1500

Perma-D-3000

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

Staley's 21% Corn Gluten Feed

Staley's 41% Corn Gluten Meal

Staley's Hi Pro Con 50% Protein Dehulled Solvent Extracted Soybean Oil Meal

Soybean Oil Meal

Staley's 44% Protein Solvent Extracted Soybean Oil Meal

Staley's Solvent Extracted Corn Oil Meal

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

Fleischmann's FIDY Type 36-F Irradiated Dry Yeast

Fleischmann's FIDY Type 142-F Irradiated Dry Yeast

SUNI-CITRUS PRODUCTS CO., Haines City, Florida

(Registered by Cocke & Co., Atlanta, Ga.)

Sweet Suni-Citrus Pulp

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

UMC Wheat Bran - Pure Wheat Bran

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

SWIFT & CO., Box 110, Fostoria, Ohio

Swift's 41% Protein Prime Quality Cottonseed Meal

Swift's 44% Protein Solvent Extracted Soybean Oil Meal

Swift's 50% Protein Dehulled Solvent Extracted Soybean Oil Meal

Swift's Soybean Mill Feed

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

Tri's Grade A Brand Calf Milk-Replacer

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

34% Protein Solvent Extracted Linseed Oil Meal

Ultra Brand Poul-Centrate

Ultra-Life Broiler-Gro Medicated

Ultra-Life Calf Food Pellets Medicated

Ultra-Life High Energy Poultry

Ultra-Life Livestock

Ultra-Life Pig-Gro

Ultra-Life Turkey-Gro

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

UCF Booster NF100 Medicated
UCF Calf Meal
UCF Calf Starter
UCF 16% Dairy
UCF 18% Dairy
UCF 20% Dairy
UCF Fitting Ration
UCF Grower
UCF Hi Fi All Mash Grower
UCF Hi NRG All Mash Breeder Medicated
UCF Hi NRG All Mash Grower
UCF Hi NRG All Mash Grower & Layer
UCF Hi NRG All Mash Layer
UCF Hi NRG Broiler Finisher
UCF Hi NRG Broiler Finisher Medicated
UCF Hi NRG Broiler Finisher Medicated
UCF Hi NRG Broiler Starter Medicated
UCF Hi NRG Starter
UCF Hi NRG Starter Medicated
UCF Horse Feed
UCF Layer
UCF Medicated Booster 100
UCF Medicated Booster 200
UCF Milk Replacer
UCF Pig & Hog Feed
UCF Succulent Dairy

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

Unity Broiler Maker Pellets
Unity Broiler Maker
Unity Broiler Starter Medicated
Unity Bulky Mix Ration
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 Medicated Booster
Unity Medicated Hen-Biotic
Unity Milkets
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., Buffalo, N. Y.

Wheat Standard Middlings

VITARON CHEMICAL MFG. CO., INC., 142 Monroe St., Garfield,
New Jersey

Vitamin A and D Feeding Oil

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

Corn Distillers' Dried Grains with Solubles

THE WATERTOWN COOPERATIVE ASS'N., INC., Watertown, Conn.

Watertown Coop. 16 Dairy

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

Blue Seal All-Mash Breeder's Ration
Blue Seal All-Mash Egg Ration
Blue Seal All-Mash Grow & Lay Medicated AR
Blue Seal All-Mash Grow and Lay Medicated SQ
Blue Seal All-Mash Growing Ration
Blue Seal All-Mash Growing Ration Medicated 133
Blue Seal All-Mash Growing Ration SQ Medicated
Blue Seal All-Mash Pullet Framer
Blue Seal All Mash Pullet Framer Medicated
Blue Seal B-4 Broiler Medicated
Blue Seal Calf Starter
Blue Seal Chick Feed
Blue Seal Chick Starter Medicated 78
Blue Seal Coarse 16 Dairy Ration
Blue Seal Coarse 20 Dairy Ration
Blue Seal "30" Dairy Concentrate
Blue Seal Egg Mash
Blue Seal Fat & Finish Ration Pellets
Blue Seal Fat and Finish Ration Medicated 129
Blue Seal B-5 Finisher Medicated Pellets
Blue Seal Fitting Ration
Blue Seal Goat Feed
Blue Seal Horse Feed
Blue Seal Medicated Chick Booster 7705
Blue Seal Medicated CW-Mix 26
Blue Seal Medicated NF-Mix
Blue Seal Medicated ORO-Mix
Blue Seal Medicated SQ-Mix 68
Blue Seal Milkers' Sixteen
Blue Seal Milk Replacer
Blue Seal Pig Feed Medicated
Blue Seal Poultry and Turkey Fitting
Blue Seal Poultry Wormer
Blue Seal Producer's Grow & Lay
Blue Seal Rabbit Pellets Medicated
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
Blue Seal Sweet Sixteen
Blue Seal Test Ration
Blue Seal Turkey Growing
Blue Seal Turkey Growing Medicated

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

All Pure Milk Ration
 Cream-Line Dairy-Test Ration
 Pure Feed Broiler Finisher Medicated
 Pure Feed Broiler Starter Medicated
 Pure Feed Calf Grower
 Pure Feed Complete Grower
 Pure Feed Complete Layer
 Pure Feed Complete Rabbit Pellets
 Pure Feed 16% Dairy Ration
 Pure Feed Dairy-Test Ration
 Pure Feed Egg & Breeder
 Pure Feed Egg Maker
 Pure Feed 14% Fitting Ration
 Pure Feed Grower
 Pure Feed Horse Ration
 Pure Feed Starter Medicated
 Pure Feed Sweet "16"
 Pure Feed Swine Ration
 Pure Feed Turkey Finisher
 Pure Feed Turkey Grower
 Pure Feed Turkey Starter Medicated
 Rohloff's Dehydrated Alfalfa Meal with Animal Fat
 West-Nesbitt Milk Replacer
 Standard Midds

A. C. WETHERELL, Suffield, Conn.

Special Dairy Mixture No. 3

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Vitamin Carriers)

Machnicki Vitamin Premix

Flav-A-Dee

Layer Premix No. 1

Whitcod Pure Cod Liver Oil USP Non Destearinated

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

Brewers Dried Grains

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

Pure Wheat Bran

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

Wilson's Hominy Feed

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

All Pellet Big W 16 Dairy Feed
 Apex 16% Dairy Feed
 Big W 16% Dairy Feed
 Big W 20% Dairy Feed
 Big W Silage Preservative
 Davis 16% Dairy Ration
 Davis Horse Feed

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

O. P. M. Scratch
 Wirthmore All Pellet 16% Dairy Feed
 Wirthmore All Pellet 20% Dairy Feed 281
 Wirthmore Baby Chick Scratch 134
 Wirthmore Breeder Mash 120
 Wirthmore Broiler Starter 410 Medicated
 Wirthmore Calf Starter Meal 218
 Wirthmore Calving Feed
 Wirthmore Chick Starter 100
 Wirthmore Chick Starter 400 Medicated
 Wirthmore Chick Starter 417 Medicated
 Wirthmore Coarse Test Dairy Feed 201
 Wirthmore Coccidiosis Treatment Ration 411 Medicated
 Wirthmore Commercial Grower Layer
 Wirthmore Commercial High Calorie Broiler Starter 610 Medicated
 Wirthmore Commercial Hi-Ener-G Broiler Ration
 Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Medicated
 Wirthmore Complete Breeder-Layer A 140
 Wirthmore Complete Breeder Ration 114
 Wirthmore Complete Egg Ration 112
 Wirthmore Complete Egg Ration 412 Medicated
 Wirthmore Complete Growing Ration 110
 Wirthmore Complete Growing Ration 409 Medicated
 Wirthmore Complete Turkey Breeder Ration 310
 Wirthmore Complete Turkey Fattening Ration 306
 Wirthmore Complete Turkey Fattening Ration 443 Medicated
 Wirthmore Complete Turkey Growing Ration 304
 Wirthmore Complete Turkey Growing Ration 442 Medicated
 Wirthmore 14 Dairy Feed
 Wirthmore 16 Dairy Feed
 Wirthmore 20 Dairy Feed
 Wirthmore 36% Dairy Mixing Feed
 Wirthmore 16 Dairy Record Feed 202
 Wirthmore 18 Dairy Record Feed 204
 Wirthmore 30 Dairy Supplement
 Wirthmore 32 Dairy Supplement 228
 Wirthmore .007% Dienestrol Diacetate Mixture in Wirthmore Finisher Medicated
 Wirthmore Fodder Greens 215
 Wirthmore Game Bird Grower Ration 506
 Wirthmore Game Bird Starter 480 Medicated
 Wirthmore Grow & Egg Mash 119
 Wirthmore Grow & Egg Mash 415 Medicated
 Wirthmore Hi-Ener-G Breeder Medicated
 Wirthmore Hi-Ener-G Broiler Ration 614
 Wirthmore Hi-Ener-G Layer Medicated
 Wirthmore Hi-Energy Layer 129
 Wirthmore Hog Grower
 Wirthmore Horse Feed 517
 Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated
 Wirthmore Improved Hi-Ener-G Starter and Broiler Ration 103
 Wirthmore Meatless Mink Food 512

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

Wirthmore Medicated 200
 Wirthmore Medicated Broiler Perk 405
 Wirthmore Medicated Ketro 227
 Wirthmore Medicated Quickies
 Wirthmore Medicated Quick Perk
 Wirthmore Medicated Pig Zip 513
 Wirthmore Medicated Rabbit Pellets 553
 Wirthmore Medicated Treat 431
 Wirthmore Medicated Turk-E-Perk 435
 Wirthmore Milk Mizer
 Wirthmore Mink Food
 Wirthmore New Hope Horse Feed
 Wirthmore Pig and Sow Feed
 Wirthmore 36% Poultry Concentrate 195
 Wirthmore Poultry Fitting 125
 Wirthmore Poultry Wormer
 Wirthmore Rabbit Pellets 503
 Wirthmore Rabbit Pellets 554 Medicated
 Wirthmore 14 Record Fitting Feed
 Wirthmore Roaster Finisher
 Wirthmore Roaster Finisher 426 Medicated
 Wirthmore Scratch 136
 Wirthmore Stock Primer 210
 Wirthmore Super Pellets 128
 Wirthmore Turkey Breeder Developer 305
 Wirthmore Turkey Breeder Developer 445 Medicated
 Wirthmore Turkey Growing Ration 303
 Wirthmore Turkey Growing Ration 433 Medicated
 Wirthmore Turkey Growing Ration 441 Medicated
 Wirthmore Turkey Starter 419 Medicated
 Wirthmore Twin-Mix Calf Feed

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

(See also Vitamin Carriers)

Big Y Breeder Mash
 Big Y Calf & Beef Ration
 Big Y Calf Starter and Builder
 Big Y Calving Ration
 Big Y Chick Scratch Grain
 Big Y Chlortetracycline (Aureomycin) Mixture
 Big Y Confinement Growing Mash
 Big Y Controlled Growing Ration
 Big Y Dairy and Fitting Ration
 Big Y 16% Dairy Ration
 Big Y 16% Dairy Ration Extra-M
 Big Y 16% Dairy Ration Medicated
 Big Y 18% Dairy Ration
 Big Y 20% Dairy Ration
 Big Y Dairy Ration Purity
 Big Y Egg Maker
 Big Y Energized 16 Dairy Feed
 Big Y Extra Production Laying Mash Medicated
 Big Y Grower-Layer Mash
 Big Y Hi-Efficiency Breeder Ration

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

Big Y Hi-Efficiency Laying Mash
 Big Y Hi-Efficiency Laying Mash with FZ
 Big Y Hi-G Dairy Ration
 Big Y Hi-G Scratch Feed
 Big Y High Efficiency Grower
 Big Y High Efficiency Grower with Sulfaquinoxaline
 Big Y Hog & Pig Ration
 Big Y Horse Feed
 Big Y Improved Al-Mo
 Big Y Improved Broiler Finisher
 Big Y Improved Broiler Finisher Medicated
 Big Y Improved Broiler and Starter Ration Medicated
 Big Y Improved Turkey Starter and Game Bird Feed
 Big Y Improved Turkey Starter and Game Bird Feed- SQ
 Big Y Intermediate Chick Grain
 Big Y 20% Laying Mash
 Big Y M & O Growing Feed
 Big Y Peerless Broiler & Starter Ration Medicated
 Big Y Poultry Fitting Ration
 Big Y Powerhouse Crumbles Medicated
 Big Y Pre-Starter Medicated
 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 Fattener Medicated
 Big Y Turkey Growing Feed
 Big Y Blackhead Preventive Mixed with Big Y Turkey Growing Feed
 Big Y Turkey Growing Feed Medicated
 Big Y Turkey Growing Feed with Sulfaquinoxaline
 Big Y Worming Mash
 Big Y 20% Dairy Ration Coarse - Extra-M

YELDMOR FEEDS, INC., Piqua, Ohio

David Small's Broiler Feed Medicated DS-15
 David Small's Chick Starter DS-27
 David Small's D. S. H. S. Broiler Feed Medicated
 David Small's D. S. H. S. Finishing Feed Medicated
 David Small's Finishing Feed Medicated DS-16
 David Small's Finisher Pellets DS-28
 David Small's Growing Mash Medicated DS-1
 David Small's High Efficiency All Mash Breeder Medicated
 David Small's High Energy Breeder DS-29
 David Small's High Energy Breeder Medicated DS-2
 David Small's Hi-Energy Layer-Grower Mash DS-26
 David Small's Sex-Link Layer Mash - DS-30

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

Yieldmor Broiler Booster Medicated M-25
 Yieldmor Broiler Booster Medicated M-27
 Yieldmor Chick Starter C-1
 Yieldmor 16% Growing Mash - C-4
 Yieldmor 16% Growing Mash Medicated C-34
 Yieldmor High Efficiency All Mash Breeder C-13
 Yieldmor Hi-Energy Layer-Grower Mash, C-21
 Yieldmor 24% Super Broiler Medicated B-47
 Yieldmor 24% Super Broiler Medicated B-125
 Yieldmor 20% Super Finisher Medicated F-125

MEYER ZAUSNER, INC., New Holland, Penna.

Zausner Condensed Whole Whey

WITAMIN CARRIERS

W. A. BUTLER CO., P.O. Box 227, Harrisonburg, Virginia

Vitamin Premix

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

Chemo-Nutrient Premix Code No. MGS-4

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

B-Y-21 Riboflavin Supplement

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

(See also Feeds)

Dawe's Fermentation Flavonne No. 1
 Dawe's Vitamelk Ruminant Type
 3-Nitro-4 Hydroxy Mixture Special Broiler Mix No. 571-D

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

All Purpose Pre-Mix
 Custom High Energy Pre-Mix
 Roaster Pre-Mix Medicated
 W. M. Plain Pre-Mix Medicated

THE FOX CO., Newfield, N. J.

(See also Feeds)

Foxco D Activated Animal Sterol (Source of Vitamin D₃)
 Foxco Flavitein
 Foxco Qualadee A & D Feeding Oil
 Vitamin 2-4-9-C Supplement

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

Custom W. M. Plain Premix No. 2717

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

I. S. F. Cattle Special

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

(See also Feeds)

Kaff-A Booster Pellets
 Kaff-A Milk Replacer for Calves Medicated Milk by-Products
 65%
 Pex Condensed for Poultry
 Pex-High Lay Pellets for Layer & Breeders
 Pex Self Feeder Block for Broilers
 Pex Self Feeder Block for Layers & Breeders
 Pex Self Feeder Block for Poultry
 Pex Self Feeder Whey Block for Poultry

MARINE PRODUCTS CO., 339 West First St., Boston, Mass.

High Potency Vitamins A & D Feeding Oil

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

(See also Feeds)

No. 659 Vitamin Mixture
 No. 941 Feed Supplement Improved Premix Medicated

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

Myzon Calf Builder
 Myzon Poultry Builder
 Myzon Poultry Medicine

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

(See also Feeds)

Calvita (Trade Mark Reg.) Calf Formula

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

(See also Feeds)

Nopco-Pak EKK W. M. Plain Premix
 Nopco-Pak High Energy Premix Code EMC
 Nopco-Pak Hi-Lay Premix (Code DDA)
 Nopco-Pak Roaster Premix Code ELN Medicated
 Nopco-Pak Super Premix Medicated Code EAZ
 Nopdex 3000

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

High Lay Premix
 Pfizer R-4 Riboflavin Supplement

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

Perma-D-1500
 Perma-D-3000
 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

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

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

VITARON CHEMICAL MANUFACTURING CO., 146 Monroe St.,
Gardfield, N. J.

Vitamin A & D Feeding Oil

WHITMOYER LABORATORIES, INC., Myerstown, Pa.

(See also Feeds)

Flav-A-Dee

Layer Premix No. 1

Machnicki Vitamin Premix

Whitcod Pure Cod Liver Oil USP Non Destearinated

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

Wirthmore Calf Starter Meal

Wirthmore Twin Mix Calf Feed

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SUMMARY OF INSPECTION

In the calendar year 1960, a total of 1,465 samples was examined. This total included official samples of commercial feeds, carriers of vitamin D and other vitamins, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	181
Check feeds, A. A. F. C. O.	16
Commercial feeding stuffs, official samples	768
Miscellaneous feeds, etc., analyzed for purchasers	126
Pasture grass and feedstuffs for Storrs Station	304
Vitamin carriers	70
	<u>1,465</u>

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

Commercial Feeding Stuffs

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

Total number of samples	768
Samples deficient in:	
one item	86
two items	6
Percentage of samples meeting guaranties	88
Total guaranties made	2,498 ²
Guaranties not met:	
protein	26
fat	36
fiber	5
arsanilic acid	6
furazolidone	2
glycarbylamide	1
nicarbazin	12
nitrofurazone-furazolidone	1
3-nitro-4-hydroxyphenylarsonic acid	3
4-nitrophenylarsonic acid	3
sulfaquinoxaline	8
p-ureidobenzearsonic acid	1
Percentage of guaranties met	96

The proportion of samples meeting all guaranties and the overall percentage of satisfactory guaranties were both slightly better than the 87 and 95 per cent found in 1959.

² Seven samples with six guaranties, 38 with five guaranties, 103 with four guaranties, 615 with three guaranties, four with two guaranties, and one with one guaranty (guaranties for undetermined medicants not included).

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

Vitamin Carriers

Sixty samples of vitamin D carriers were assayed for this vitamin by official methods, using day-old White Leghorn chicks for poultry feed supplements and white rats of the Osborne-Mendel strain for supplements for four-footed animals. All except 14 of these samples guaranteed one to five additional vitamins (usually riboflavin, niacin and calcium pantothenate), and results for these vitamins are included in Table 2 under the respective samples. This table also lists 10 samples of which seven contained vitamin D, but were not tested for this vitamin and three contained no D, but bore guaranties for one or more other vitamins.

All vitamin D Samples tested fully met their guaranties - a 100 per cent passing ratio that has been met only once before, (in 1958) in the 24-year period from 1937 to 1960 inclusive that vitamin D assays have been run.

On the basis of a ± 20 per cent tolerance, the numbers of samples failing to meet their guaranties for the other vitamins were as follows:

Deficient in	No. of samples
Calcium pantothenate, niacin and riboflavin	1
Calcium pantothenate and niacin	1
Calcium pantothenate and riboflavin	1
Calcium pantothenate and thiamine	1
Niacin and riboflavin	1
Calcium pantothenate	3
Niacin	1
Riboflavin	1
	<u>10</u>

Of the total of 70 samples, 60, or 86 per cent, met all guaranties.

Miscellaneous Feeds

One hundred and twenty-six unofficial samples of feed and fodder materials were examined. This total included commercial mixed feeds and feed ingredients submitted by dealers, farmers and the State Supervisor of Purchases, as well as samples of hay and silage whose analysis was requested by farmers and the Fairfield State Hospital. Check analyses of three feeds were run at the respective requests of the Maine Agricultural Experiment Station, a drug manufacturer and a dealer, and the riboflavin content of a guinea pig diet was determined for the Yale University School of Medicine.

Four commercial mixed feeds were deficient:

365. Purina D & F Chow. Ralston Purina Co., St. Louis, Mo., Fat, per cent: Guaranteed, 2.50; found, 1.59. Corn Meal present, not declared. Urea 0.23 per cent.

746B. Sea Born. Skod Co., Greenwich, Conn. Protein, per cent: Guaranteed, 5.00; found, 4.63.

775. David Small High Energy Breeder with NF 180 and Aureomycin. Yieldmor Feeds, Inc., Piqua, Ohio. Furazolidone, per cent: Guaranteed, 0.011; found, 0.0164.

9935. Yieldmor 24% Super Broiler Medicated B-125. Yieldmor Feeds, Inc., Piqua, Ohio. Fat, per cent: Guaranteed, 7.50; found 4.94. Nicarbazin, per cent: Guaranteed, 0.0125; found, 0.0070. 3-Nitro-4-hydroxyphenylarsonic acid, per cent: Guaranteed, 0.0050; found, 0.0032.

Several samples were submitted because they were suspected of having caused illnesses or deaths of animals. In only three cases were deleterious substances found in commercial feeds: An unknown brand of dog food contained 10 parts per million of arsenic and 30 p. p. m. of barium were found in two mink feeds. The 10 other miscellaneous samples implicated in possible poisoning cases were: Three samples of brook water containing traces of cyanide; two samples of water and two of bricks from a pond near a former sulphuric acid plant (the bricks were heavily impregnated with sulphuric acid, and one water sample contained 0.36 per cent of this acid); two meat baits containing cyanide; and some pasture grass near a property sprayed to kill brush that was found to contain 532 p. p. m. of arsenic.

The two following samples were tested for DDT for a manufacturer and a dairyman, not because any poisoning question was involved, but because materials fed to dairy animals are required to be free of any detectable trace of this insecticide:

1916. Apple Pomace. V. Tenedine & Sons, Inc., North Haven, Conn. DDT, 10 parts per million.

250. Corn Silage. Willard Pinney, Somers, Conn. DDT, 3 parts per million.

Analysis of the following sample used as mink food may be of interest:

1160. Frozen Ground Duck. I. Starr, Hartford, Conn. Water 70.16; protein, 10.50; fat, 17.57, and fiber, 0.13, per cent.

Biological Specimens Examined for Poisons

One hundred and eighty-one biological specimens of which the great majority came from veterinarians, were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 55 of them, poisonous substances were found 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: Alpha naphthyl thiourea ("ANTU") (1); antimony with cyanide (1); arsenic (9); arsenic with lead (1); barium (1); barium with lead (4); beryllium (1); chromium with lead and titanium (1); DDT (2); lead (17); mercury (8); nicotine (1); strychnine (2); sulphuric acid (5) and thallium (1). As usual, lead was the predominant poison, with 23 cases.

When these tests were begun in 1907 or earlier³ most of the cases referred to us were those of farm animals; today, dogs and other pets predominate. Certain poisons are found almost exclusively in such pets or in wild animals. For instance, of the eight cases of mercury poisoning in 1960, four were cats, one a dog and one, several mink; only one each being a calf and a horse. The two cases of strychnine poisoning and the one case each of "ANTU" and thallium poisoning all involved dogs.

The positive beryllium sample was a specimen of lung tissue submitted by the Pathology Department of the Danbury Hospital which contained 0.018 part per million of this element. The two DDT cases were those of robins, whose viscera contained between 23 and 56 p. p. m. of this insecticide.

Check Feeds

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

³ J. Am. Vet. Med. Assoc., 118, 309 (1951)

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
	ACME-EVANS CO. INC. Indianapolis, Ind.			
2519	Acme Red Dog	11.41	14.00	15.88
1698	Acme Wheat Middlings with Ground Wheat Screenings	13.51	14.00	14.38
2491	Acme Yellow Hominy Feed	11.19	9.00	11.13
	ALBERS MILLING CO. Los Angeles, Calif.			
1733	Albers Calf Manna	11.50	25.00	26.63
2103	Albers Rabbit Breeder Ration	9.11	15.00	16.25
2652	Albers Suckle	6.41	24.00	26.75
	ALLIED MILLS, INC. Chicago, Ill.			
2303	Wayne Calfnip	5.45	23.00	23.50
2302	Wayne Calf Starter	11.82	16.00	18.38
2280	Wayne 16% Dairy	10.92	16.00	17.13
2836	Wayne Egg Medicated M29	10.79	22.00	23.00
1340	Wayne Fitting Ration	14.35	14.00	15.38
2278	Wayne Fitting Ration	11.39	14.00	15.00
1341	Wayne Horse Feed	13.91	9.00	10.75
2300	Wayne Rabbit Ration	10.16	17.00	20.00
2277	Wayne Scratch Feed	12.84	9.00	9.63
2279	Wayne Test Cow	11.42	16.00	16.88
2837	Wayne Universal Egg Medicated M-29	10.80	18.00	19.50
2301	Wayne Universal Scratch Feed	13.32	9.00	9.50
	AMERICAN CRYSTAL SUGAR CO. Crookston, Minn.			
2199	Plain Dried Beet Pulp	10.52	8.50	9.38
	AMERICAN MAIZE-PRODUCTS CO., New York, N. Y.			
2420	Amaizo Corn Gluten Meal	8.29	41.00	43.63
1347	Cream of Corn Gluten Feed	13.14	21.00	21.38

indicates deficiencies

INSPECTION OF 1960

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	4.39	4.00	2.80	
3.00	4.50	9.50	7.22	
7.00	10.54	6.00	3.71	
3.50	3.68	6.00	4.46	
2.00	1.97	22.00	20.05	
5.00	<u>4.19</u>	0.50	0.35	
0.50	0.19	0.25	0.12	
3.00	<u>2.14</u>	7.50	4.67	
3.00	<u>3.54</u>	9.00	7.85	
4.00	4.50	5.00	4.68	Arsanilic acid: Guar., 0.015%; found, 0.0138%.
3.00	3.06	8.00	7.00	
3.00	3.77	8.00	6.94	
2.50	3.37	12.00	7.32	
2.00	3.16	15.00	10.36	
2.00	3.37	5.00	1.72	
4.00	3.85	9.00	6.70	
4.00	4.04	4.00	4.41	Arsanilic acid: Guar., 0.01%; found, <u>0.0131%</u> .
2.00	3.00	5.00	4.17	
0.30	0.82	22.00	18.89	
1.00	1.46	6.00	3.59	
2.00	2.02	9.50	7.46	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moist- ure	Protein (N x 6.25)	
			Guaran- teed not less than	Found
	ARCHER-DANIELS-MIDLAND CO., Minneapolis; Minn.			
1348	Small's 20% Dehydrated Alfalfa Meal	8.94	20.00	20.13
2281	Archer Quality 34% Protein Linseed Oil Meal	9.75	34.00	34.75
1599	Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal	13.11	44.00	44.88
	ATLANTIC PROCESSING CO. Amagansett, N. Y.			
2147	Smith's Life Line Fish Meal	7.96	60.00	60.25
	THE BEACON MILLING CO. Cayuga, N. Y.			
3026	Beacon Broiler Finisher Medicated	10.17	20.00	20.88
2481	Beacon CC Flushing Pellets	11.42	15.00	16.25
1551	Beacon Calf Grow	13.37	17.00	18.13
2986	Beacon Cape-Roaster Finisher	11.01	20.00	20.50
1428	Beacon Dairy Fitting Pel-ets	13.44	14.00	15.13
1910	Beacon Dairy Fitting Ration with Sodium Propionate	10.76	14.00	15.25
2480	Beacon Duck Breeder	10.97	17.00	17.88
1552	Beacon Duck Breeder Developer	12.42	14.50	15.63
1911	Beacon Duck Grower Finisher	11.76	15.50	15.50
2804	Beacon Egg Check A Medicated	11.86	15.00	15.00
2079	Beacon "22" Egg Mash	10.55	22.00	22.63
2106	Beacon Goat Ration	13.08	16.00	18.00
2482	Beacon Grower All-Mash	11.10	16.00	16.00
2109	Beacon Horse Feed	13.97	10.00	10.00
2834	Beacon Market Egg All-Mash A Medicated	11.30	17.00	17.63
2104	Beacon Medicated Booster Pellets	10.17	20.00	21.88

indicates deficiencies

INSPECTION OF 1960

Fat		Fiber		Medicants
Guaran- teed not less than	Found	Guaran- teed not more than	Found	
1.50	4.09	20.00	19.98	
0.50	1.29	10.00	8.75	
0.50	1.82	7.00	5.77	
5.00	8.46	3.0	0.09	
5.00	5.87	4.00	2.63	Nicarbazin:Guar., 0.0125%; found, 0.0167%. Arsanilic acid:Guar., 0.009%; found, 0.0094%.
4.50	9.62	5.00	3.90	
3.00	3.08	9.00	6.32	
4.50	5.94	4.00	2.94	Nicarbazin:Guar., 0.0125%; found, 0.0150%.
3.25	3.97	9.00	5.85	
3.00	3.53	9.00	6.87	Sodium Propionate:Guar., 2.5%; not determined.
3.00	3.01	7.00	5.52	
2.75	3.39	7.50	5.42	
2.75	4.09	6.50	3.84	
2.50	3.78	6.00	4.08	Arsanilic acid:Guar., 0.009%; found, 0.0095%.
3.50	3.89	6.00	4.49	
3.00	3.03	10.00	5.86	
3.50	4.24	6.00	4.90	
3.00	3.23	10.00	6.86	
3.50	3.55	5.00	2.63	Arsanilic acid:Guar., 0.009%; found, 0.0096%. Chlortetracycline hydrochlo- ride:Guar., 0.10 gm/lb.; not determined.
4.00	4.26	9.00	7.53	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
2649	Beacon Medicated Poultry Mix	11.68	20.00	20.75
1550	Beacon Milk Check "16" Dairy Ration	13.79	16.00	16.88
2107	Beacon Milk Check "20" Dairy Ration	12.33	20.00	21.13
1540	Beacon Milk Check Fitting Ration	13.60	14.00	16.25
2844	Beacon Poultry Finisher with Dienestrol diacetate & Nicarbazin	11.42	15.00	15.75
2989	Beacon Starter-Broiler NCA Medicated	11.23	23.00	24.00
1880	Beacon Sweet "16" Dairy Ration	10.80	16.00	17.63
1429	Beacon "16" Test Cow Ration	13.74	16.00	17.38
2108	Beacon "18" Test Cow Ration	12.81	18.00	18.88
2483	Beacon Turkey Breeder All-Mash	10.86	20.00	20.63
1879	Beacon "22" Turkey & Game Bird Grower	10.28	22.00	22.00
1881	Beacon "20" Turkey Grower	10.63	20.00	20.00
1558	Beacon Turkey & Poultry Fitting	14.46	10.00	12.50
2105	Be-Co Grower	12.19	14.00	14.88
2200	Be-Co-Lass	12.97	11.00	11.00
1430	Be-Co-Nurse Milk Replacer	5.42	24.00	24.00
THE BERKMAN GRAIN CO. North Franklin, Conn.				
2470	Nibco 18% Dairy Ration	12.05	18.00	18.00
2471	Nibco Fitting Ration	12.60	14.00	14.13
2981	Nibco Five Star Roaster	12.50	16.00	18.00
2985	Nibco Five Star Roaster Crumbles	11.44	16.00	18.75

indicates deficiencies.

INSPECTION OF 1960

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
3.00	3.87	5.75	3.50	Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined.
3.25	3.84	9.00	7.38	
3.25	3.02	9.00	6.95	
3.00	3.02	10.00	8.48	
4.00	4.51	4.50	2.12	Nicarbazin:Guar., 0.0125%; found, 0.0138%. Dienestrol diacetate:Guar., 0.007%; not determined.
5.00	5.06	4.00	2.39	Nicarbazin:Guar., 0.0125%; found, 0.0140%. Arsanilic acid:Guar., 0.009%; found 0.0095%.
3.50	4.38	8.50	6.49	
4.00	4.09	8.00	6.08	
4.00	3.70	8.50	6.27	
3.50	5.53	5.75	3.44	
3.00	5.09	5.75	2.04	
3.00	4.59	5.50	3.86	
2.50	3.00	7.50	4.50	
3.00	3.38	8.00	5.29	
2.00	2.96	12.00	10.12	
10.00	9.95	0.25	0.28	
4.00	4.47	8.00	7.22	
4.00	3.51	8.00	7.01	
4.50	4.03	3.00	2.42	Nicarbazin:Guar., 0.010%; found, 0.0130%.
4.50	5.84	3.00	2.84	Nicarbazin:Guar., 0.010%; found, 0.0135%. Dienestrol diacetate:Guar., 0.0023%; not determined.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
3116	Nibco Five Star Super Starter	11.89	25.00	25.00
2468	Nibco Five Star Weight Maker Crumbles	11.42	22.00	22.00
3110	Nibco Five Star Weight Maker	11.40	22.00	22.00
3034	Nibco Five Star Weight Maker	10.90	22.00	22.25
1955	Nibco High Energy Laying & Growing Mash	12.10	16.00	16.63
2980	Nibco Medicated Booster Feed	11.54	20.00	20.75
2725	Nibco Pullet Starter	11.27	20.00	20.63
	BLATCHFORD CALF MEAL CO., Waukegan, Ill.			
2192	Blatchford's Calf Meal	11.05	25.00	25.75
2648	Blatchford's Calf-Pab Medicated	6.37	25.00	26.75
	THE BLOOMFIELD FARMERS' EXCHANGE INC. Bloomfield, Conn.			
1866	Bloomfield 16% Dairy Ration	10.21	16.00	16.00
1868	Bloomfield 16% Dairy Ration	12.51	16.00	17.50
	BROOKLAWN GRAIN & FEED CO., Bridgeport, Conn.			
1803	Brooklawn 16% Dairy Ration	13.76	16.00	17.88
1790	Brooklawn High Energy Layer	12.67	18.00	18.75

indicates deficiencies.

INSPECTION OF 1960

Fat		Fiber		Medicants
Guaranteed not less than	Found	Guaranteed not more than	Found	
7.00	8.71	2.50	2.09	3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. Nicarbazin: Guar., 0.010%; found, 0.0134%.
6.00	6.61	2.50	2.25	
6.00	6.81	2.50	1.99	Nicarbazin: Guar., 0.010%; found, 0.0136%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0044%.
6.00	7.01	2.50	1.85	Nicarbazin: Guar., 0.010%; found, 0.0120%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%.
3.00	4.99	4.00	3.03	
3.00	5.58	4.50	2.55	Nicarbazin: Guar., 0.010%; found, 0.0138%. Terramycin hydrochloride: Guar., 200 grams/ton; not determined
3.00	4.94	4.00	2.77	Sulfaquinolaxine: Guar., 0.0150%; found, 0.0170%.
2.50	3.23	5.00	5.02	
3.50	3.29	2.00	0.87	Trimethyl-hexadecyl & octadecyl ammonium stearates: Guar., 0.02%; not determined.
3.50	3.76	8.00	6.21	
3.50	3.28	8.00	6.46	
4.00	2.88	9.00	5.46	
4.00	4.23	5.00	4.63	

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

Station No.	Manufacturer and brand	Moisture	Protein (N x 6.25)	
			Guaranteed not less than	Found
1800	Brooklawn Sweet Mix CAMDEN GRAIN CO. Camden, N. J.	13.06	16.00	17.13
1595	Camden Brand Dried Brewers Grain THE CANADA STARCH CO., LTD., Montreal, Canada	8.56	24.00	25.00
1791	Corn Gluten Feed(21%) CARGILL, INCORPORATED Minneapolis, Minn.	9.02	21.00	23.63
2476	Cargill 34% Protein Solvent Extracted Linseed Oil Meal	13.11	34.00	36.13
1763	Cargill Inc., 50% Protein Sol. Ext. Dehulled Soybean Oil Meal	11.58	50.00	50.88
	CENTRAL CONN. CO-OPERATIVE FARMERS' ASS'N. INC. Manchester, Conn.			
1780	Honest Brand Aureomycin Mix 200 grams	13.21	18.00	19.25
2148	Honest Brand Complete Breeder Mash	12.27	16.00	16.75
1766	Honest Brand Complete Ration High Energy Growing Mash	11.66	15.00	15.88
1778	Honest Brand Complete Ration High Energy Laying Mash	13.10	15.00	15.38
2146	Honest Brand Nu Weigh Hi Finisher Mash	12.20	18.00	18.88
2654	Honest Brand Nu Weigh-Hi Finisher Mash	11.22	20.00	21.00
2718	Honest Brand Nu Weigh-Hi Starter Mash with SQ	11.30	20.00	21.13

~~~~~ indicates deficiencies.

INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                            |
|--------------------------|-------|--------------------------|-------|------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                      |
| 3.50                     | 2.74  | 9.00                     | 5.23  |                                                      |
| 6.00                     | 5.76  | 17.00                    | 13.67 |                                                      |
| 2.50                     | 2.99  | 10.00                    | 5.55  |                                                      |
| 0.50                     | 1.09  | 10.00                    | 7.47  |                                                      |
| 0.50                     | 1.43  | 3.00                     | 2.91  |                                                      |
| 3.00                     | 3.09  | 4.00                     | 3.58  |                                                      |
| 4.00                     | 4.61  | 8.00                     | 3.55  |                                                      |
| 3.00                     | 5.09  | 4.00                     | 3.95  |                                                      |
| 3.00                     | 4.13  | 4.00                     | 3.55  |                                                      |
| 2.00                     | 5.54  | 6.50                     | 2.74  |                                                      |
| 6.00                     | 6.04  | 3.00                     | 3.00  |                                                      |
| 3.00                     | 4.07  | 4.00                     | 3.54  | Sulfaquinoxaline: Guar.,<br>0.0175%; found, 0.0180%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                           |          | Guaranteed not less than | Found |
|             | CENTRAL SOYA CO. INC.<br>Ft. Wayne, Ind.                  |          |                          |       |
| 1537        | Central Flaked Soybean Hulls                              | 12.11    | 9.00                     | 9.63  |
| 1625        | Central 44% Solvent Extracted Soybean Oil Meal            | 11.65    | 44.00                    | 44.00 |
| 2423        | Thrifty Fifty Dehulled Solvent Extracted Soybean Oil Meal | 11.39    | 50.00                    | 50.25 |
|             | CHELSEA MILLING CO.<br>Chelsea, Michigan                  |          |                          |       |
| 1779        | Chelsea Wheat Middlings                                   | 13.31    | 13.00                    | 13.00 |
|             | S. J. CHERRY & SONS, LTD.<br>Preston, Ont., Canada        |          |                          |       |
| 1513        | Cherry's Wheat Bran                                       | 13.65    | 14.00                    | 16.13 |
|             | CITRUS FEED CO.<br>Lakeland, Florida                      |          |                          |       |
| 2086        | Howard's Veri Best Dried Citrus Pulp                      | 8.47     | 6.00                     | 6.00  |
|             | CLYDE MILLING CORP.<br>Clyde, N. Y.                       |          |                          |       |
| 2185        | Clyde Complete Rabbit Pellets                             | 9.88     | 15.00                    | 15.75 |
| 2186        | Clyde Complete Turkey Grower Mash                         | 10.78    | 18.00                    | 21.63 |
| 2181        | Clyde Fitting Ration                                      | 12.62    | 12.00                    | 17.88 |
| 2183        | Clyde Hi-Cal-Re Complete Layer & Grower                   | 10.61    | 16.50                    | 16.88 |
| 1842        | Clyde Horse Feed                                          | 13.25    | 10.00                    | 11.63 |
| 2184        | Clyde Market Egg Mash                                     | 11.06    | 20.00                    | 19.25 |
| 2182        | Clyde Test Cow 18                                         | 12.51    | 18.00                    | 18.38 |
| 2484        | Hominy Feed                                               | 11.07    | 11.00                    | 11.00 |
| 1835        | Warren's Calf Starter                                     | 13.19    | 18.00                    | 18.38 |
| 1838        | Warren's 16 Dairy Ration                                  | 13.62    | 16.00                    | 18.13 |
| 1833        | Warren's Milk-Maker 15                                    | 11.96    | 15.00                    | 17.13 |
| 2487        | Warren's Test Cow 16 Dairy Ration                         | 11.25    | 16.00                    | 17.25 |

indicates deficiencies.

INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |           |
| 1.00                     | 2.23  | 38.00                    | 36.49 |           |
| 0.50                     | 1.09  | 7.00                     | 6.65  |           |
| 0.50                     | 0.79  | 3.00                     | 2.67  |           |
| 3.00                     | 3.38  | 6.50                     | 4.65  |           |
| 3.50                     | 4.98  | 11.50                    | 9.05  |           |
| 2.50                     | 3.56  | 11.00                    | 9.87  |           |
| 3.00                     | 4.54  | 12.00                    | 9.99  |           |
| 4.00                     | 4.54  | 5.00                     | 3.80  |           |
| 3.00                     | 3.87  | 8.50                     | 7.15  |           |
| 4.00                     | 4.50  | 4.50                     | 3.75  |           |
| 2.50                     | 3.72  | 10.00                    | 5.84  |           |
| 3.00                     | 3.14  | 6.00                     | 5.01  |           |
| 3.50                     | 3.66  | 8.50                     | 7.13  |           |
| 5.50                     | 6.11  | 6.00                     | 4.09  |           |
| 3.00                     | 3.13  | 8.00                     | 6.34  |           |
| 3.00                     | 3.23  | 11.00                    | 7.89  |           |
| 3.00                     | 3.78  | 8.00                     | 7.47  |           |
| 3.50                     | 3.66  | 8.50                     | 2.46  |           |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                                  | Moisture | Protein (N x 6.25)       |              |
|-------------|-------------------------------------------------------------------------|----------|--------------------------|--------------|
|             |                                                                         |          | Guaranteed not less than | Found        |
| 1807        | COATSWORTH & COOPER, LTD.<br>Toronto, Canada                            |          |                          |              |
|             | C & C Wheat Bran                                                        | 13.11    | 15.00                    | 15.50        |
| 2427        | COMMERCIAL SOLVENTS<br>CORP., New York, N. Y.                           |          |                          |              |
|             | Corn Distillers Dried Grains<br>with Solubles                           | 5.91     | 26.00                    | 27.75        |
| 2150        | CONNECTICUT BI-PRODUCTS,<br>INC., Columbia, Conn.                       |          |                          |              |
|             | Hydrolyzed Poultry Feathers                                             | 3.62     | 85.00                    | 91.83        |
| 2151        | Poultry By-Product Meal                                                 | 4.25     | 55.00                    | 62.13        |
| 2406        | CONSOLIDATED BLENDERS,<br>INC., Fremont, Nebr.                          |          |                          |              |
|             | 17% Dehydrated Alfalfa Meal<br>with Animal Fat Merry Mixer<br>Greenules | 9.01     | 17.00                    | <u>16.13</u> |
| 1802        | CONSOLIDATED MILLS, INC.<br>Blissfield, Mich.                           |          |                          |              |
|             | Consolidated 17% Alfalfa Meal<br>Dehydrated                             | 8.56     | 17.00                    | <u>15.13</u> |
| 1781        | CONSOLIDATED RENDERING<br>CO., Boston, Mass.                            |          |                          |              |
|             | Corenco Feeding Bone Meal                                               | 5.86     | 10.00                    | 13.13        |
| 1511        | Corenco 47% Meat & Bone Scrap                                           | 8.06     | 47.00                    | 45.50        |
| 2180        | Corenco 47% Meat & Bone Scrap                                           | 8.19     | 47.00                    | <u>47.50</u> |
| 1600        | CORN PRODUCTS CO.<br>New York, N. Y.                                    |          |                          |              |
|             | Buffalo Brand 21% Protein Corn<br>Gluten Feed                           | 11.35    | 21.00                    | 22.00        |
| 1617        | Diamond Brand 41% Corn<br>Gluten Meal                                   | 10.28    | 41.00                    | 43.75        |

indicates deficiencies

INSPECTION OF 1960

| Fat                      |       | Fiber                    |              | Medicants |
|--------------------------|-------|--------------------------|--------------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found        |           |
| 3.50                     | 5.12  | 11.50                    | 9.49         |           |
| 7.00                     | 9.46  | 10.00                    | 5.77         |           |
| 0.50                     | 4.16  | 1.50                     | 0.39         |           |
| 8.00                     | 15.38 | 3.00                     | 0.95         |           |
| 1.50                     | 2.29  | 27.00                    | 26.74        |           |
| 1.50                     | 2.34  | 27.00                    | <u>28.22</u> |           |
| --                       | --    | 2.00                     | 0.00         |           |
| 6.00                     | 9.47  | 2.00                     | 1.36         |           |
| 6.00                     | 8.13  | 2.00                     | 0.87         |           |
| 1.00                     | 1.77  | 10.00                    | 9.04         |           |
| 1.00                     | 2.25  | 6.00                     | 4.96         |           |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                    | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-----------------------------------------------------------|----------|--------------------------|-------|
|             |                                                           |          | Guaranteed not less than | Found |
|             | C. A. COWLES, INC.<br>Plantsville, Conn.                  |          |                          |       |
| 1531        | Blue C Fitting Ration                                     | 14.60    | 14.00                    | 16.63 |
| 2394        | Blue C Growing Mash                                       | 11.15    | 20.00                    | 20.00 |
| 1532        | Blue C Horse Feed with<br>Molasses                        | 15.17    | 10.00                    | 11.00 |
| 1525        | Blue C Laying Mash                                        | 11.79    | 20.00                    | 18.00 |
| 1529        | Blue C Rabbit Pellets                                     | 13.64    | 15.00                    | 13.63 |
| 1530        | Blue C Super 16% Dairy<br>Ration                          | 15.22    | 16.00                    | 16.13 |
| 1533        | Dairy Delight                                             | 14.47    | 16.00                    | 15.38 |
|             | DCA FOOD INDUSTRIES, INC.<br>Ellicott City, Md.           |          |                          |       |
| 2425        | Domaco Pure Winter Wheat<br>Bran                          | 11.57    | 13.50                    | 14.88 |
| 1512        | Domaco Wheat Middlings                                    | 12.38    | 14.50                    | 13.13 |
|             | DAWE'S LABORATORIES, INC.<br>Chicago, Ill.                |          |                          |       |
| 2178        | Dawe's Fermentation Flavonne<br>No. 1                     | 9.01     | 30.00                    | 30.00 |
|             | DAWNWOOD FARMS<br>Amenia, N. Y.                           |          |                          |       |
| 2653        | Dawnwood Farms Caf-Star                                   | 7.14     | 26.00                    | 27.00 |
|             | DELAWARE MILLING CO.,<br>INC., Deposit, N. Y.             |          |                          |       |
| 1869        | Delaware Egg Mash                                         | 11.65    | 20.00                    | 20.25 |
| 1844        | Delaware Rabbit Pellets                                   | 9.80     | 16.00                    | 17.38 |
| 1873        | Delaware Sweet Hominy                                     | 11.76    | 8.00                     | 11.00 |
| 2599        | Eastern Conn. Grain Associates<br>Chick Starter Medicated | 11.50    | 20.00                    | 20.00 |
| 1954        | Eastern Conn. Grain Associates<br>Growing Mash            | 12.19    | 15.00                    | 17.25 |
| 1953        | Eastern Conn. Grain Associates<br>Laying Mash             | 12.34    | 15.00                    | 15.50 |

indicates deficiencies.

INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                           |
|--------------------------|-------|--------------------------|-------|-----------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                     |
| 3.00                     | 4.19  | 9.00                     | 6.45  |                                                     |
| 3.00                     | 3.57  | 5.00                     | 3.96  |                                                     |
| 3.00                     | 3.48  | 10.00                    | 4.97  |                                                     |
| 3.00                     | 4.44  | 5.00                     | 4.65  |                                                     |
| 3.00                     | 3.33  | 15.00                    | 9.49  |                                                     |
| 3.50                     | 3.88  | 7.50                     | 6.87  |                                                     |
| 3.50                     | 3.54  | 7.50                     | 6.76  |                                                     |
| 3.25                     | 3.25  | 9.50                     | 8.52  |                                                     |
| 4.25                     | 4.03  | 7.50                     | 7.04  |                                                     |
| 2.00                     | 4.88  | 9.50                     | 7.14  |                                                     |
| 3.00                     | 3.44  | 2.50                     | 1.46  |                                                     |
| 3.00                     | 3.53  | 6.00                     | 5.50  |                                                     |
| 2.50                     | 3.95  | 17.00                    | 11.34 |                                                     |
| 4.00                     | 5.72  | 5.50                     | 4.10  |                                                     |
| 3.00                     | 3.23  | 4.50                     | 3.60  | Arsenosobenzene: Guar.,<br>0.002%; found, 0.00190%. |
| 3.50                     | 4.03  | 4.50                     | 4.06  |                                                     |
| 3.50                     | 4.24  | 3.80                     | 3.16  |                                                     |

TABLE I. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand                                            | Moisture | Protein<br>(N x 6.25)    |       |
|-------------|-------------------------------------------------------------------|----------|--------------------------|-------|
|             |                                                                   |          | Guaranteed not less than | Found |
| 2485        | Warren's C & C Complete Growing Mash                              | 10.53    | 15.00                    | 17.25 |
| 1837        | Warren's C & C Complete Laying Mash                               | 12.59    | 15.00                    | 15.75 |
| 2486        | Warren's C & C Laying Mash                                        | 10.80    | 20.00                    | 20.38 |
| 1834        | Warren's C & C Laying Mash                                        | 10.51    | 20.00                    | 20.63 |
| 2764        | Warren's Chick Starter                                            | 10.30    | 20.00                    | 20.00 |
| 1843        | Warren's Fitting Ration                                           | 12.24    | 14.00                    | 15.13 |
| 1840        | Warren's 16% Test Ration                                          | 13.06    | 16.00                    | 16.00 |
| 2489        | Warren's 20% Test Ration                                          | 12.29    | 20.00                    | 17.13 |
|             | DELPHOS GRAIN & SOYA PRODUCTS CO., Delphos, Ohio                  |          |                          |       |
| 1765        | 44% Protein Soybean Oil Meal                                      | 11.98    | 44.00                    | 45.63 |
|             | DERBY FEED STORE<br>Derby, Conn.                                  |          |                          |       |
| 1594        | Litsky Hi-Energy All Mash Grower                                  | 12.86    | 16.00                    | 17.50 |
| 1593        | Litsky Hi-Energy All Mash Layer                                   | 13.22    | 16.00                    | 16.50 |
| 2473        | Litsky Hi-Energy Layer                                            | 11.27    | 20.00                    | 20.00 |
| 2716        | Litsky Hi-Energy Starter Broiler Medicated                        | 11.47    | 20.00                    | 21.13 |
|             | E. F. DREW & CO., INC.<br>New York, N. Y.                         |          |                          |       |
| 2225        | NRG 50                                                            | 0.95     | --                       | --    |
|             | EASTERN STATES FARMERS' EXCHANGE, INC.<br>West Springfield, Mass. |          |                          |       |
| 2260        | Alfapels                                                          | 8.29     | 15.00                    | 15.00 |
| 2811        | Breeder Mash Medicated                                            | 11.96    | 22.00                    | 23.00 |
| 3025        | Broiler Finisher Medicated                                        | 10.39    | 22.00                    | 23.75 |

indicates deficiencies.

INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                                     |
|--------------------------|-------|--------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                               |
| 3.00                     | 4.73  | 6.00                     | 1.36  | Chlortetracycline hydrochloride: Guar., 200 grams/ton; not determined.<br>Sulfaquinoxaline: Guar., 0.0150%; found, 0.0130%.                   |
| 3.00                     | 3.79  | 6.00                     | 5.69  |                                                                                                                                               |
| 3.00                     | 4.27  | 7.50                     | 2.92  |                                                                                                                                               |
| 3.00                     | 4.39  | 7.50                     | 7.42  |                                                                                                                                               |
| 3.00                     | 4.01  | 5.50                     | 5.19  |                                                                                                                                               |
| 3.00                     | 3.94  | 11.00                    | 4.39  |                                                                                                                                               |
| 3.50                     | 3.30  | 10.00                    | 7.99  |                                                                                                                                               |
| 3.50                     | 4.14  | 10.00                    | 7.42  |                                                                                                                                               |
| 0.50                     | 1.38  | 7.00                     | 6.60  |                                                                                                                                               |
| 3.50                     | 4.38  | 4.00                     | 4.13  |                                                                                                                                               |
| 3.50                     | 4.22  | 4.00                     | 4.05  | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0180%.                                                                                             |
| 3.25                     | 3.79  | 4.50                     | 4.66  |                                                                                                                                               |
| 3.50                     | 3.81  | 4.00                     | 3.65  |                                                                                                                                               |
| 50.00                    | 98.65 | --                       | --    |                                                                                                                                               |
| 1.50                     | 2.79  | 30.00                    | 26.50 | Arsanilic acid: Guar., 0.0132%; found, 0.0128%.<br>Nicarbazin: Guar., 0.0125%; found, 0.0140%. Arsanilic acid: Guar., 0.0099; found, 0.0118%. |
| 4.00                     | 4.19  | 4.50                     | 3.18  |                                                                                                                                               |
| 8.00                     | 7.93  | 4.00                     | 2.56  |                                                                                                                                               |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand    | Moisture | Protein (N x 6.25)       |       |
|-------------|---------------------------|----------|--------------------------|-------|
|             |                           |          | Guaranteed not less than | Found |
| 3024        | Broiler Starter Medicated | 10.15    | 24.00                    | 25.63 |
| 1724        | Calf Starter              | 14.50    | 18.00                    | 18.00 |
| 2813        | Cashmaker Medicated       | 11.44    | 16.00                    | 17.38 |
| 2768        | Cashmaker WM Medicated    | 10.80    | 16.00                    | 17.63 |
| 1925        | Champion                  | 14.12    | 14.00                    | 14.00 |
| 2806        | Choicemaker Medicated     | 12.36    | 16.00                    | 17.25 |
| 1541        | Class Leader              | 13.51    | 14.00                    | 16.38 |
| 1788        | Dairmore                  | 14.00    | 16.00                    | 17.50 |
| 1926        | Fulpail                   | 12.48    | 20.00                    | 21.38 |
| 2814        | Goalmaker Medicated       | 10.77    | 16.00                    | 17.50 |
| 2805        | Matchmaker Medicated      | 11.38    | 22.00                    | 22.88 |
| 2456        | Medicated Defender        | 10.20    | 20.00                    | 21.50 |
| 2982        | Medicated Minuteman       | 11.01    | 24.00                    | 25.13 |
| 2720        | Medicated Minuteman SQ    | 10.86    | 24.00                    | 25.13 |
| 687         | Medicated Sentinel        | 13.62    | 20.00                    | 20.75 |
| 1789        | Milkerpels                | 13.62    | 16.00                    | 17.38 |
| 1968        | Milkerpels 20             | 10.36    | 20.00                    | 20.38 |
| 1970        | Milkmore                  | 11.86    | 16.00                    | 18.13 |
| 1989        | Milksaver                 | 7.62     | 24.00                    | 24.75 |
| 2598        | Pacemaker Medicated       | 10.97    | 20.00                    | 21.25 |

indicates deficiencies.

INSPECTION OF 1960

| Fat                      |       | Fiber                    |       | Medicants                                                                                                                            |
|--------------------------|-------|--------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
| Guaranteed not less than | Found | Guaranteed not more than | Found |                                                                                                                                      |
| 5.00                     | 6.39  | 4.00                     | 2.90  | Nicarbazin:Guar., 0.0125%; found, 0.0137%. Arsanilic acid:Guar., 0.0099%; found, 0.0095%.                                            |
| 3.00                     | 3.38  | 6.00                     | 4.37  | Arsanilic acid:Guar., 0.0099%; found, 0.0090%.                                                                                       |
| 4.00                     | 4.24  | 3.50                     | 2.84  |                                                                                                                                      |
| 4.00                     | 5.44  | 3.50                     | 3.50  | Sulfaquinoxaline:Guar., 0.0125%; found, 0.0140%. Arsanilic acid:Guar., 0.0099%; found, 0.011%.                                       |
| 2.50                     | 3.02  | 7.00                     | 5.14  | Arsanilic acid:Guar., 0.0099%; found, 0.0095%.                                                                                       |
| 3.50                     | 4.68  | 5.00                     | 3.80  |                                                                                                                                      |
| 3.00                     | 3.96  | 8.50                     | 7.06  | Arsanilic acid:Guar., 0.0099%; found, 0.0102%.                                                                                       |
| 2.50                     | 3.89  | 10.00                    | 7.53  |                                                                                                                                      |
| 3.00                     | 4.69  | 8.50                     | 6.81  | Arsanilic acid:Guar., 0.0099%; found, 0.0128%.                                                                                       |
| 4.00                     | 4.26  | 3.50                     | 2.44  |                                                                                                                                      |
| 4.00                     | 4.16  | 4.50                     | 3.08  | Furazolidone:Guar., 0.022%; found, 0.0211%.                                                                                          |
| 4.00                     | 4.31  | 4.50                     | 3.24  | Chlortetracycline hydrochloride:Guar., 1 gm/lb.; not determined. Nicarbazine:Guar., 0.0125%; found, 0.0144%.                         |
| 5.00                     | 5.06  | 4.00                     | 2.66  | Sulfaquinoxaline:Guar., 0.05%; found, 0.0465%.                                                                                       |
| 5.00                     | 5.36  | 4.00                     | 1.66  | Chlortetracycline hydrochloride:Guar., 1 gm/lb.; not determined.                                                                     |
| 4.00                     | 4.59  | 4.00                     | 2.08  | Arsanilic acid:Guar., 0.0099%; found, 0.0100%. Bithionol:Guar., 0.05%; found, 0.044%. Methiotriazamine:Guar., 0.01%; not determined. |
| 3.00                     | 4.66  | 10.00                    | 7.54  |                                                                                                                                      |
| 3.00                     | 4.60  | 10.00                    | 9.27  |                                                                                                                                      |
| 3.00                     | 4.06  | 8.50                     | 7.39  |                                                                                                                                      |
| 5.00                     | 4.98  | 1.50                     | 0.45  |                                                                                                                                      |
| 4.00                     | 4.81  | 4.00                     | 2.81  |                                                                                                                                      |



TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand      | Moisture | Protein (N x 6.25)       |       |
|-------------|-----------------------------|----------|--------------------------|-------|
|             |                             |          | Guaranteed not less than | Found |
| 2833        | Pel-22 Medicated            | 10.61    | 22.00                    | 23.38 |
| 2831        | Pel-Grow Medicated          | 11.52    | 14.00                    | 15.88 |
| 2816        | Pel-Lay                     | 10.86    | 16.00                    | 17.38 |
| 770         | Pork Builder                | 14.70    | 14.00                    | 14.50 |
| 2812        | Pork Gainer Medicated       | 11.67    | 16.00                    | 17.25 |
| 2832        | Pork Gainer Medicated       | 11.38    | 16.00                    | 17.00 |
| 171         | Pork Primer Medicated       | 10.39    | 18.00                    | 19.75 |
| 173         | Pork Primer Medicated       | 10.29    | 18.00                    | 18.00 |
| 2838        | Pork Primer Medicated       | 10.13    | 18.00                    | 19.50 |
| 1969        | Protek A                    | 10.89    | 16.00                    | 17.75 |
| 2458        | Protek F Medicated          | 11.25    | 16.00                    | 17.38 |
| 1759        | Rabbetts                    | 10.86    | 18.00                    | 18.38 |
| 1758        | Supmix                      | 12.12    | 36.00                    | 37.50 |
| 2087        | Sweepstakes                 | 13.73    | 16.00                    | 16.13 |
| 1725        | Tastibulk                   | 15.21    | 9.00                     | 10.50 |
| 1726        | Thriftmaker                 | 12.59    | 15.00                    | 16.00 |
| 1971        | Trim-Maker                  | 10.62    | 15.00                    | 16.75 |
| 2089        | Turkey Breeder              | 10.70    | 16.00                    | 18.50 |
| 2259        | Turkey Finisher             | 12.09    | 16.00                    | 16.63 |
| 2447        | Turkey Finisher C Medicated | 11.35    | 16.00                    | 17.88 |
| 2261        | Turkey Grower               | 11.01    | 20.00                    | 20.00 |
| 2446        | Turkey Grower C Medicated   | 11.06    | 20.00                    | 21.50 |

~~~~~ indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 3.66 | 5.00 | 3.83 | Arsanilic acid:Guar., 0.0132%; found, 0.0133%. |
| 3.50 | 3.58 | 5.00 | 3.53 | Arsanilic acid:Guar., 0.0099%; found, 0.0095%. |
| 3.00 | 4.21 | 4.50 | 3.42 | Arsanilic acid:Guar., 0.0099%; found, 0.0112%. |
| 3.00 | 3.52 | 3.50 | 2.90 | Arsanilic acid:Guar., 0.0099%; found, 0.0115%. Hygromycin B: Guar., 0.006 gm/lb.; not determined. |
| 5.00 | 6.29 | 4.00 | 2.83 | |
| 5.00 | 5.36 | 4.00 | 2.45 | Hygromycin B: Guar., 0.066 gm/lb.; not determined. |
| 4.50 | 6.76 | 4.50 | 3.17 | Arsanilic acid:Guar., 0.0099%; found, 0.0108%. |
| 4.50 | 6.03 | 4.50 | 3.20 | Arsanilic acid:Guar., 0.0099%; found, 0.0128%. |
| 4.50 | 6.08 | 4.00 | 2.91 | Arsanilic acid:Guar., 0.0099%; found, 0.0096%. |
| 3.50 | 4.39 | 3.50 | 2.39 | Furazolidone:Guar., 0.00275%; found, 0.00703%. |
| 4.00 | 4.11 | 3.50 | 2.54 | |
| 2.00 | 3.99 | 16.00 | 12.75 | |
| 1.50 | 3.22 | 8.00 | 6.38 | |
| 3.00 | 3.73 | 8.00 | 5.63 | |
| 2.00 | 2.89 | 11.00 | 9.03 | |
| 3.50 | 4.70 | 5.00 | 2.64 | |
| 3.50 | 4.68 | 11.00 | 8.40 | |
| 3.00 | 3.88 | 4.00 | 3.06 | |
| 3.00 | 4.70 | 4.00 | 3.24 | |
| 3.00 | 4.12 | 4.00 | 3.39 | P-Ureidobenzearsonic acid: Guar., 0.0375%; found, 0.0349%. |
| 3.00 | 4.34 | 4.50 | 3.43 | P-Ureidobenzearsonic acid: Guar., 0.0375%; found, 0.0336%. |
| 3.00 | 3.74 | 4.50 | 3.50 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | ELMORE MILLING CO., INC.
Oneonta, N. Y. | | | |
| 1336 | Elmore Calf Grain Ration | 15.66 | 13.00 | 14.63 |
| 2987 | Elmore Chixsaver (1N) | 10.61 | 20.00 | 20.13 |
| 2770 | Elmore Chixsaver (IS) | 11.49 | 16.00 | 16.00 |
| 1832 | Elmore Complete Calf Milk Replacer | 10.19 | 25.00 | 26.75 |
| 2110 | Elmore Complete Growing Mash | 11.46 | 16.00 | 16.75 |
| 2761 | Elmore Complete Growing Ration (IS) | 10.99 | 16.00 | 18.38 |
| 1919 | Elmore Complete Laying Mash | 12.05 | 16.00 | 18.75 |
| 769 | Elmore Complete Market Egg Ration (1A) | 13.13 | 16.00 | 17.75 |
| 175 | Elmore Complete Turkey Growing Mash | 11.26 | 17.00 | 17.38 |
| 1921 | Elmore Dry & Freshening | 14.21 | 12.00 | 15.75 |
| 1334 | Elmore Fitting Ration 14% | 14.89 | 14.00 | 15.25 |
| 1831 | Elmore Flaked Pelleted Calf Starter | 12.38 | 18.00 | 18.00 |
| 1321 | Elmore Game Bird Breeder Mash | 15.09 | 20.00 | 17.88 |
| 1923 | Elmore Game Bird Grower | 11.81 | 20.00 | 20.00 |
| 2724 | Elmore Game Bird Growing Medicated (IS) | 10.49 | 20.00 | 18.75 |
| 2590 | Elmore Game Bird Starter | 10.65 | 28.00 | 26.00 |
| 1830 | Elmore Grand Champion Ration | 13.44 | 15.00 | 15.00 |
| 1828 | Elmore Maximilk Ration | 12.46 | 16.00 | 18.38 |
| 1335 | Elmore Milk Grains "Sixteen" | 14.51 | 16.00 | 16.63 |
| 2111 | Elmore Milk Grains "Twenty" | 11.63 | 20.00 | 21.00 |
| 1829 | Elmore Pacemaker 16% Dairy Ration | 11.87 | 16.00 | 19.13 |
| 2570 | Elmore Picker-Upper Mash (2A) | 10.46 | 20.00 | 24.25 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 3.34 | 9.00 | 5.97 | |
| 3.00 | 3.09 | 5.00 | 4.36 | Nicarbazin:Guar., 0.008%;
found, 0.0125%. |
| 3.00 | 3.26 | 5.00 | 4.85 | Sulfaquinoxaline:Guar.,
0.0150%; found, 0.0147%.
Arsanilic acid:Guar., 0.01%;
found, 0.0140%. |
| 4.00 | 4.69 | 2.00 | 1.73 | |
| 3.00 | 3.35 | 6.00 | 5.57 | |
| 3.00 | 4.06 | 6.00 | 5.00 | Sulfaquinoxaline:Guar.,
0.0150%; found, 0.0040%. |
| 3.00 | 3.84 | 6.00 | 5.03 | |
| 4.00 | 4.19 | 5.00 | 4.52 | Arsanilic acid:Guar., 0.01%;
found, 0.013%. |
| 3.50 | 3.98 | 6.00 | 5.01 | |
| 3.50 | 3.63 | 9.00 | 6.70 | |
| 3.50 | 4.25 | 8.00 | 6.52 | |
| 2.50 | 3.13 | 8.00 | 5.50 | |
| 4.00 | 4.25 | 8.00 | 4.66 | |
| 3.00 | 3.00 | 10.00 | 6.00 | |
| 3.00 | 3.96 | 10.00 | 6.50 | Sulfaquinoxaline:Guar.,
0.02%; found 0.0090%. |
| 3.00 | 3.56 | 6.00 | 4.52 | Furazolidone:Guar., 0.011%;
found, 0.0067%. |
| 3.50 | 2.93 | 9.00 | 6.14 | |
| 3.00 | 3.70 | 11.00 | 8.61 | |
| 3.50 | 3.37 | 8.50 | 7.17 | |
| 3.50 | 3.45 | 8.50 | 7.22 | |
| 3.00 | 3.89 | 10.00 | 7.03 | |
| 3.00 | 3.91 | 6.00 | 4.41 | Bacitracin:Guar., 100 gr/ton;
not determined. Chlortetra-
cycline hydrochloride:Guar.,
50 gr/ton; not determined.
Terramycin hydrochloride:
Guar., 50 gr/ton; not determined. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|---|---------------------------------------|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 1922 | Elmore Rumin Stimulant 16% | 11.58 | 16.00 | 17.25 |
| 1920 | Elmore Stock Feed | 14.89 | 9.00 | 10.63 |
| 2978 | Elmore Super Broiler Ration
(1N) | 11.89 | 22.00 | 22.00 |
| 2490 | Elmore Super Silage | 11.89 | 10.00 | 11.00 |
| 1333 | Elmore Test Ration 16% | 14.58 | 16.00 | 16.38 |
| 1332 | Elmore Test Ration 18% | 14.36 | 18.00 | 19.13 |
| 176 | Elmore Turkey Finisher | 10.70 | 16.00 | 17.38 |
| 174 | Elmore Turkey Growing Mash | 10.64 | 20.00 | 16.00 |
| 2769 | Elmore Turkey Starting Mash | 11.29 | 28.00 | 27.00 |
| JOHN W. ESHELMAN & SONS
Lancaster, Pa. | | | | |
| 1897 | Lancaster 16 Dairy Feed | 10.57 | 16.00 | 17.13 |
| 2526 | Lancaster 20 Dairy Feed | 11.72 | 20.00 | 23.50 |
| 1850 | Lancaster Scratch Grains | 13.20 | 9.00 | 9.00 |
| 1906 | Pennsy Complete Laying Ration | 10.76 | 16.00 | 16.63 |
| 2524 | Red Rose Broiler Finisher | 10.91 | 18.50 | 19.75 |
| 1991 | Red Rose Calf Grower | 11.71 | 14.00 | 17.25 |
| 2522 | Red Rose Calf Starter | 12.61 | 18.00 | 18.25 |
| 1898 | Red Rose Chick Grains | 13.09 | 9.00 | 9.75 |
| 1904 | Red Rose Complete Game Bird
Grower | 10.50 | 20.00 | 20.25 |
| 1731 | Red Rose Complete Growing
Ration | 12.37 | 16.00 | 17.50 |
| 1896 | Red Rose Complete Laying Mash | 11.04 | 16.00 | 16.63 |
| 1416 | Red Rose 16 Dairy Feed | 11.91 | 16.00 | 17.75 |
| 1902 | Red Rose 18 Dairy Feed | 10.81 | 18.00 | 20.63 |
| 1903 | Red Rose 20 Dairy Feed | 11.01 | 20.00 | 21.25 |
| 2556 | Red Rose Fitting Ration | 13.04 | 12.00 | 13.50 |
| 2521 | Red Rose Goat Ration | 12.40 | 15.00 | 16.38 |
| 2523 | Red Rose Growing Mash | 12.18 | 20.00 | 21.75 |
| 1992 | Red Rose Horse Feed | 12.97 | 9.00 | 9.00 |
| 1907 | Red Rose Intermediate Chick
Grains | 13.91 | 9.00 | 9.63 |
| 1727 | Red Rose Laying Mash | 12.56 | 20.00 | 20.00 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------------|-------------------------------------|-------|---|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | | |
| 3.50 | 3.51 | 8.50 | 6.17 | |
| 3.00 | <u>1.99</u> | 11.00 | 4.99 | |
| 4.50 | 5.08 | 4.00 | 2.94 | Nicarbazin:Guar., 0.008%;
found, <u>0.0056%</u> . |
| 2.00 | 3.64 | 18.00 | 18.00 | |
| 4.00 | 4.24 | 9.00 | 6.38 | |
| 4.00 | 5.81 | 9.00 | 6.57 | |
| 4.00 | 4.33 | 6.00 | 4.38 | |
| 3.50 | 3.41 | 8.00 | 5.97 | 4-Nitrophenylarsonic acid:
Guar., 0.025%; found,
0.0125%. |
| 3.50 | 3.84 | 5.00 | 4.26 | Sulfaminoxaline:Guar., 0.02%;
found, 0.0108%. Arsanilic
acid:Guar., 0.01%; found,
0.01%. |
| 2.50 | 4.13 | 13.00 | 12.00 | |
| 2.50 | 3.24 | 12.50 | 11.17 | |
| 2.00 | 2.99 | 4.00 | 2.45 | |
| 3.00 | 3.79 | 7.00 | 5.38 | |
| 5.50 | 5.53 | 3.50 | 3.15 | |
| 3.00 | 4.30 | 8.50 | 6.19 | |
| 3.00 | 3.06 | 8.00 | 5.62 | |
| 2.00 | 3.64 | 3.00 | 1.79 | |
| 4.00 | 5.39 | 5.50 | 4.51 | |
| 4.00 | 4.89 | 6.00 | 4.17 | |
| 4.00 | 4.73 | 5.00 | 4.32 | |
| 3.50 | 4.14 | 9.50 | 8.00 | |
| 3.50 | 4.09 | 9.50 | 7.40 | |
| 3.00 | 3.27 | 9.50 | 7.45 | |
| 3.50 | 3.83 | 8.50 | 6.59 | |
| 3.00 | 3.48 | 9.00 | 5.66 | |
| 4.00 | 3.31 | 7.00 | 4.54 | |
| 3.00 | <u>3.97</u> | 10.00 | 3.22 | |
| 2.00 | 2.66 | 3.00 | 1.34 | |
| 4.00 | 4.09 | 5.50 | 4.79 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1732 | RedRose Medicated T-C Feed | 11.69 | 25.00 | 25.13 |
| 1908 | RedRose Milk Replacer | 7.54 | 22.00 | 24.38 |
| 1424 | RedRose Pigeon Feed | 16.34 | 12.00 | 13.75 |
| 1905 | RedRose Porkmaker | 11.44 | 14.00 | 15.00 |
| 1990 | RedRose Rabbit Pellets | 10.67 | 18.00 | 18.63 |
| 2717 | RedRose Rabbit Pellets | 10.21 | 18.00 | 20.38 |
| 1415 | RedRose Scratch Grains | 13.99 | 9.00 | 10.38 |
| 2520 | RedRose Starter & Grower | 11.41 | 20.00 | 20.00 |
| 1901 | RedRose 14 Test Cow Feed | 11.46 | 14.00 | 15.00 |
| 1909 | S-O-S | 11.38 | 11.00 | 14.00 |
| | EVANS MILLING CO. INC.
Indianapolis, Indiana | | | |
| 1918 | Emco Hominy Feed | 12.72 | 10.00 | 10.94 |
| | FARM BUREAU ASSOCIATION
Waltham, Mass. | | | |
| 2819 | Farm Bureau Complete Grower
Layer Mash | 10.57 | 16.00 | 17.88 |
| 1972 | Farm Bureau Dairy 16% | 11.27 | 16.00 | 17.25 |
| 1973 | Farm Bureau 14% Milking
Ration | 10.71 | 14.00 | 16.00 |
| 2304 | Farm Bureau Milk Replacer | 7.01 | 24.00 | 26.38 |
| 1762 | Farm Bureau Rabbit Food
Pellets | 11.60 | 18.00 | 18.00 |
| | FARMERS FEED CO.
Brooklyn, N. Y. | | | |
| 1691 | "Bull Brand" Brewers Dried
Grains | 10.37 | 26.00 | 26.00 |
| 2517 | "Bull Brand" Brewers Dried
Grains | 8.66 | 26.00 | 27.75 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 4.00 | 4.97 | 5.00 | 4.17 | Chlortetracycline hydrochloride:Guar., 0.025 gm/lb.; not determined. Terramycin hydrochloride:Guar., 0.025 gm/lb.; not determined. |
| 1.00 | 1.23 | 1.00 | 0.45 | |
| 3.00 | 2.60 | 4.00 | 2.92 | |
| 3.50 | 4.35 | 7.00 | 6.22 | |
| 3.00 | 4.29 | 10.00 | 8.05 | |
| 3.00 | 4.19 | 10.00 | 4.13 | Sulfaquinoxaline:Guar., 0.025%; found, 0.0224%. |
| 2.00 | 3.00 | 4.00 | 2.39 | |
| 4.00 | 4.01 | 6.00 | 4.74 | |
| 3.50 | 4.15 | 8.50 | 6.59 | |
| 2.00 | 3.04 | 16.00 | 13.86 | |
| 5.00 | 5.23 | 7.00 | 4.22 | |
| 4.00 | 3.96 | 5.00 | 3.03 | Arsanilic acid:Guar., 0.01%; found, 0.0107%. |
| 3.50 | 4.19 | 8.00 | 7.40 | |
| 3.50 | 4.58 | 8.00 | 7.11 | |
| 2.00 | 2.79 | 1.50 | 1.77 | |
| 2.50 | 3.66 | 18.00 | 12.35 | |
| 6.00 | 7.59 | 17.00 | 11.68 | |
| 6.00 | 6.49 | 17.00 | 10.67 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|--|----------|--------------------------|---|
| | | | Guaranteed not less than | Found |
| | | | 1810 | FISH PRODUCTS CO. of NEW JERSEY, Tuckerton, N. J.
Smith's Lifeline Fish Meal |
| 1694 | FLORIDA CITRUS CANNERS COOPERATIVE
Lake Wales, Fla.
Lake Wales Brand Citrus Pulp | 13.07 | 6.00 | 6.00 |
| 1538 | FREMONT ALFALFA MILLS, INC., Fremont, Ohio
Riverbottom Dehydrated 17% Alfalfa Meal | 9.81 | 17.00 | 17.00 |
| 1867 | GENERAL FOODS CORP.
Kankakee, Ill.
Burt's Hominy Feed | 11.48 | 9.00 | 11.38 |
| 2286 | GENERAL MILLS, INC.
Minneapolis, Minn.
Ben Hur Wheat Bran | 11.72 | 14.00 | 15.25 |
| 1515 | Purity Oat Mill By-Product | 9.49 | 3.50 | 2.63 |
| 1327 | Washburn's Gold Medal Adrian Wheat Red Dog | 14.97 | 16.00 | 17.25 |
| 2235 | Washburn's Gold Medal Wheat Bran & Ground Wheat Screenings | 11.86 | 15.00 | 16.50 |
| 2238 | Washburn's Gold Medal Wheat Middlings & Ground Wheat Screenings | 11.89 | 15.00 | 17.75 |
| 2647 | Larro Medicated Sure Milk Keto-Kurb | 9.56 | 16.00 | 16.63 |
| 2391 | Larro Sure Beef 12 | 9.77 | 12.00 | 11.74 |
| 2596 | Larro Sure Broiler Finisher Medicated | 10.37 | 21.00 | 21.88 |
| 2392 | Larro Sure Calf | 11.26 | 20.00 | 21.50 |
| 2595 | Larro Sure Grow Complete "H-E" (.0083 ZOL) Medicated | 11.16 | 15.00 | 18.50 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 8.09 | 3.00 | 0.08 | |
| 2.00 | 2.20 | 16.00 | 7.81 | |
| 1.50 | 2.79 | 27.00 | 25.45 | |
| 5.00 | 5.98 | 6.00 | 4.29 | |
| 2.50 | 3.98 | 12.00 | 9.10 | |
| 1.00 | 0.85 | 30.00 | 30.00 | |
| 3.50 | 3.77 | 4.00 | 2.37 | |
| 3.00 | 4.21 | 12.00 | 8.47 | |
| 3.50 | 4.76 | 9.50 | 6.17 | |
| 2.50 | 2.56 | 15.00 | 11.03 | Sodium Propionate: Guar., 2.5%; not determined. |
| 1.50 | 2.34 | 17.00 | 13.63 | |
| 6.00 | 6.31 | 3.00 | 2.42 | Zoalene: Guar., 0.0083%; found, 0.0090%. |
| 2.50 | 3.26 | 9.00 | 6.75 | |
| 3.50 | 5.14 | 5.50 | 2.96 | Zoalene: Guar., 0.0083%; found, 0.0081%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2310 | Larro SureLay "H-E" | 11.57 | 20.00 | 21.00 |
| 2309 | Larro SureLay Complete "H-E" | 9.31 | 16.00 | 18.22 |
| 1535 | Larro SureMilk 16 | 13.34 | 16.00 | 17.38 |
| 2393 | Larro SureRaise Medicated (CHL) | 5.47 | 23.00 | 25.31 |
| 1534 | Larro SureTasty 16 Pellets | 11.50 | 16.00 | 17.50 |
| 2311 | Larro SureTasty 20 Pellets | 9.30 | 20.00 | 22.26 |
| 2448 | Larro SureTurk (CBS) Medicated | 9.12 | 27.00 | 28.85 |
| | GLOUCESTER BY-PRODUCTS, INC., Gloucester, Mass. | | | |
| 1621 | Globpro Brand 60% Protein Fish Meal | 7.52 | 60.00 | 62.38 |
| | GORTON'S of GLOUCESTER, INC., Gloucester, Mass. | | | |
| 1960 | Gorton's Redfish Meal | 7.65 | 57.00 | 59.63 |
| | D. H. GRANDIN MILLING CO. Jamestown, N. Y. | | | |
| 1697 | Grandin's Calf Starter | 14.64 | 18.00 | 16.38 |
| 1324 | Grandin's Complete Grower & Layer | 15.17 | 16.00 | 17.75 |
| 1323 | Grandin's Dairy Maid 16 | 15.10 | 16.00 | 16.00 |
| 1695 | Grandin's Dry & Freshening Ration | 13.92 | 12.00 | 11.50 |
| 1338 | Grandin's 14 Fitting Ration | 14.27 | 14.00 | 17.13 |
| 1900 | Grandin's Happy Calf Milk Replacer | 7.31 | 26.00 | 27.50 |
| 2076 | Grandin's Hi-Cal Pellets | 10.90 | 12.00 | 13.88 |
| 1325 | Grandin's Hi-Nutro | 14.42 | 16.00 | 16.75 |
| 1696 | Grandin's Horse Feed | 14.16 | 9.00 | 11.75 |
| 1997 | Grandin's Laying Mash | 10.65 | 20.00 | 21.13 |
| 1693 | Grandin's 16 Milk Maker | 14.07 | 16.00 | 16.38 |
| 1339 | Grandin's 14 Milk Producer | 14.59 | 14.00 | 16.38 |
| 1337 | Grandin's 16 Milk Producer | 14.87 | 16.00 | 17.25 |
| 1326 | Grandin's Pig & Sow Feed | 14.74 | 18.00 | 18.38 |
| 2075 | Grandin's Rabbit Pellets | 15.62 | 17.00 | 19.50 |
| 2077 | Grandin's Start-To-Finish | 11.04 | 20.00 | 20.00 |
| 1322 | Grandin's 18% Twin Six Dairy Ration | 14.50 | 18.00 | 19.13 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.88 | 5.50 | 3.40 | Chlortetracycline hydrochloride: Guar., 0.025gm/lb. not det. |
| 3.50 | 2.63 | 5.00 | 2.73 | |
| 3.00 | 3.18 | 9.00 | 6.60 | |
| 10.00 | 9.77 | 1.00 | 0.65 | |
| 2.50 | 2.50 | 15.00 | 11.49 | P-ureidobenzearsonic acid: Guar. 0.075%; found, 0.0156% |
| 2.50 | 2.61 | 13.00 | 11.00 | |
| 2.50 | 3.37 | 8.50 | 5.22 | |
| 8.00 | 14.80 | 1.00 | 0.10 | |
| 5.00 | 7.74 | 2.00 | 0.60 | |
| 3.00 | 3.54 | 10.00 | 6.92 | |
| 3.50 | 3.76 | 4.50 | 4.02 | |
| 2.50 | 2.84 | 9.00 | 9.75 | |
| 3.00 | 3.02 | 9.00 | 6.67 | |
| 3.00 | 3.06 | 9.00 | 7.01 | |
| 2.00 | 1.89 | 3.00 | 1.78 | |
| 3.00 | 4.43 | 6.00 | 5.24 | |
| 4.00 | 4.17 | 5.00 | 3.93 | |
| 3.00 | 3.22 | 11.00 | 8.04 | |
| 2.50 | 3.39 | 4.50 | 4.88 | |
| 3.00 | 2.84 | 9.00 | 7.65 | |
| 3.00 | 3.14 | 10.00 | 5.61 | |
| 3.50 | 3.20 | 9.00 | 5.73 | |
| 3.50 | 3.84 | 10.00 | 4.43 | |
| 3.00 | 4.13 | 18.00 | 12.40 | |
| 2.50 | 3.44 | 6.00 | 4.34 | |
| 3.00 | 3.06 | 9.00 | 8.44 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1874 | THE GREAT ATLANTIC & PACIFIC TEA CO. Minneapolis, Minn. | 9.64 | 20.00 | 24.00 |
| 2472 | GREEN ACRE FARMS Nazareth, Penna. | 6.53 | 17.00 | 17.00 |
| 1783 | HAFFENREFFER & CO., INC. Boston, Mass. | 10.31 | 40.00 | 48.75 |
| 1949 | Hales & Hunter Co. Chicago, Ill. | 14.04 | 12.00 | 13.63 |
| 1951 | Pioneer Beef Fitting Ration | 12.53 | 18.00 | 18.00 |
| 1950 | Pioneer Calf Starter | 12.50 | 14.00 | 15.00 |
| 2269 | Pioneer Dairy Fitting Feed | 12.41 | 16.00 | 16.00 |
| 1948 | Pioneer Dairy Production 16 | 12.54 | 18.00 | 17.25 |
| 2274 | Pioneer Dairy Production 18 | 12.17 | 12.00 | 14.13 |
| 2268 | Pioneer Dry & Freshening | 12.23 | 12.00 | 12.00 |
| 1730 | Pioneer Horse Feed | 12.25 | 15.00 | 16.63 |
| 2818 | Pioneer Pelleted Flaked 15 Dairy | 10.21 | 16.00 | 18.34 |
| 1761 | Pioneer Pig Gro-Pel Medicated | 11.24 | 16.00 | 17.25 |
| 1813 | Pioneer Rabbit Pellets | 9.75 | 18.00 | 20.50 |
| 1760 | Pioneer Sup-Pel Pellets | 11.01 | 22.00 | 22.38 |
| 2979 | Red Comb Breeder Mash | 11.19 | 20.00 | 21.13 |
| 1876 | Red Comb Chick Starter Z Medicated | 9.66 | 16.00 | 17.88 |
| 2817 | Red Comb Complete Breeder | 11.71 | 16.00 | 17.25 |
| | Red Comb Complete Layer 16 Medicated | | | |

INSPECTION OF 1960

| Station No. | Manufacturer and brand | Fat | | Fiber | | Medicants |
|-------------|---|--------------------------|-------|--------------------------|-------|--|
| | | Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 1874 | THE GREAT ATLANTIC & PACIFIC TEA CO. Minneapolis, Minn. | 3.00 | 4.34 | 7.50 | 7.40 | |
| 2472 | GREEN ACRE FARMS Nazareth, Penna. | 2.00 | 2.50 | 27.00 | 29.55 | |
| 1783 | HAFFENREFFER & CO., INC. Boston, Mass. | 0.25 | 0.30 | 5.50 | 1.29 | |
| 1949 | Hales & Hunter Co. Chicago, Ill. | 2.00 | 3.50 | 6.00 | 3.66 | |
| 1951 | Pioneer Beef Fitting Ration | 2.50 | 3.31 | 7.00 | 5.74 | |
| 1950 | Pioneer Calf Starter | 3.00 | 3.39 | 8.00 | 7.44 | |
| 2269 | Pioneer Dairy Fitting Feed | 3.00 | 3.44 | 8.00 | 7.07 | |
| 1948 | Pioneer Dairy Production 16 | 3.00 | 3.79 | 8.00 | 6.68 | |
| 2274 | Pioneer Dairy Production 18 | 2.50 | 3.88 | 8.00 | 6.91 | |
| 2268 | Pioneer Dry & Freshening | 2.50 | 3.73 | 8.00 | 6.57 | |
| 1730 | Pioneer Horse Feed | 2.50 | 3.40 | 7.00 | 5.10 | |
| 2818 | Pioneer Pelleted Flaked 15 Dairy | 3.00 | 3.81 | 5.00 | 4.31 | Arsanilic acid:Guar., 0.01%; found, 0.0091%. |
| 1761 | Pioneer Pig Gro-Pel Medicated | 2.00 | 3.29 | 15.00 | 11.15 | |
| 1813 | Pioneer Rabbit Pellets | 3.00 | 4.19 | 8.00 | 5.73 | |
| 1760 | Pioneer Sup-Pel Pellets | 3.50 | 5.20 | 6.50 | 5.58 | |
| 2979 | Red Comb Breeder Mash | 3.50 | 4.60 | 6.00 | 4.49 | Nicarbazin:Guar., 0.0125%; found, 0.0140%. |
| 1876 | Red Comb Chick Starter Z Medicated | 3.50 | 5.39 | 6.00 | 4.87 | |
| 1876 | Red Comb Complete Breeder | 3.50 | 4.06 | 5.50 | 4.58 | Arsanilic acid:Guar., 0.01%; found, 0.0107. |
| 2817 | Red Comb Complete Layer 16 Medicated | | | | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2843 | Red Comb Complete Layer 16 F Medicated | 10.05 | 16.00 | 18.00 |
| 2568 | Red Comb Duck Starter | 9.99 | 18.00 | 18.88 |
| 1812 | Red Comb Fine Chick | 12.97 | 9.00 | 10.50 |
| 2845 | Red Comb Growing Mash Z Medicated | 10.29 | 18.00 | 18.13 |
| 1875 | Red Comb Pullet Developer | 9.23 | 12.00 | 14.38 |
| 1878 | Red Comb Turkey Finisher 17 | 6.43 | 17.00 | 17.00 |
| 1877 | Red Comb Turkey Grower 20 | 10.68 | 20.00 | 20.00 |
| | HARPER FEED MILLS, INC.
Washington, Pa. | | | |
| 1845 | Harco Milk Replacer for Young Calves | 9.92 | 25.00 | 29.63 |
| 1836 | Warren's Complete Growing Mash | 11.26 | 16.00 | 16.00 |
| 1839 | Warren's Complete Laying Mash | 11.76 | 16.00 | 20.25 |
| 1841 | Warren's 16% Dairy Ration | 11.50 | 16.00 | 17.25 |
| 2488 | Warren's 20% Laying Mash | 12.02 | 20.00 | 18.50 |
| | H. P. HOOD & SONS, INC.
Dunedin, Florida | | | |
| 2651 | Hood Citrus Pulp | 9.67 | 6.00 | 6.38 |
| | THE HUBINGER CO.
Keokuk, Iowa | | | |
| 2515 | Ke OK uk Brand Corn Gluten Meal | 9.74 | 41.00 | 45.88 |
| 2276 | Ke OK uk Brand 21% Protein Corn Gluten Feed | 9.88 | 21.00 | 24.88 |
| | ILLINOIS CEREAL MILLS, INC.
Paris, Ill. | | | |
| 1924 | Hominy Feed | 12.46 | 10.00 | 11.25 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 5.11 | 5.50 | 4.49 | Arsanilic acid: Guar., 0.01%; found, 0.0083%. Furazolidone: Guar., 0.00275%; found, 0.00236%. |
| 3.00 | 3.91 | 6.50 | 4.46 | Iodinated Casein: Guar., 0.011%; not determined. |
| 2.00 | 3.18 | 4.00 | 1.49 | |
| 3.50 | 5.11 | 8.00 | 5.97 | Nicarbazin: Guar., 0.02%; found, 0.0129%. |
| 3.00 | 4.50 | 18.00 | 15.67 | |
| 3.50 | 5.53 | 5.00 | 2.57 | |
| 3.50 | 5.16 | 6.00 | 4.51 | |
| 3.50 | 3.99 | 2.00 | 1.29 | |
| 3.00 | 5.43 | 7.00 | 6.22 | |
| 3.00 | 3.14 | 6.00 | 4.65 | |
| 3.00 | 2.35 | 10.00 | 7.84 | |
| 3.00 | 4.20 | 6.00 | 4.06 | |
| 2.75 | 2.35 | 15.00 | 5.96 | |
| 1.00 | 1.86 | 6.00 | 1.35 | |
| 1.00 | 2.38 | 10.00 | 7.27 | |
| 5.00 | 5.79 | 6.00 | 4.90 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| | INTERNATIONAL MILLING CO.
Minneapolis, Minn. | | | |
| 1536 | Blackhawk Wheat Bran with Ground Mixed Screenings | 13.74 | 13.50 | 16.50 |
| 2088 | Blackhawk Wheat Middlings with Ground Mixed Screenings | 12.43 | 14.00 | 16.75 |
| 1849 | Target Wheat Red Dog | 13.24 | 15.00 | 16.50 |
| | KELLOGG SALES CO.
Battle Creek, Mich. | | | |
| 1619 | Kellogg's Hominy Feed | 11.62 | 8.50 | 11.63 |
| | SPENCER KELLOGG & SONS, INC., Buffalo, N. Y. | | | |
| 2401 | Spencer Kellogg 32% Linseed Oil Meal Old Process Expeller | 9.58 | 32.00 | 35.50 |
| 2497 | Spencer Kellogg 50% Protein Dehulled Soybean Oil Meal Solvent Extracted | 10.47 | 50.00 | <u>49.13</u> |
| | KRAFT FOODS DIV.
Lakeland, Fla. | | | |
| 1804 | Daily Maid Dried Citrus Pulp | 10.07 | 6.00 | 7.13 |
| | KRAFT FOOD DIV.
New York, N. Y. | | | |
| 1815 | Kaff-A Booster Pellets | 9.71 | 26.00 | 27.75 |
| 2496 | PEX High Lay Pellets for Layers & Breeders | 9.14 | 26.00 | 26.00 |
| | CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. | | | |
| 1787 | Badger Yellow Hominy Feed | 13.32 | 10.00 | 10.88 |
| 1871 | Badger Yellow Hominy Feed | 11.11 | 10.00 | 11.38 |
| 2145 | Badger Yellow Hominy Feed | 11.36 | 10.00 | 11.13 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 6.02 | 12.00 | 9.53 | |
| 3.00 | 4.89 | 9.50 | 7.57 | |
| 2.00 | 3.28 | 4.00 | 2.16 | |
| 5.50 | 10.02 | 3.50 | <u>4.50</u> | |
| 3.50 | 3.29 | 10.50 | 7.29 | |
| 0.50 | 1.06 | 3.00 | 3.00 | |
| 3.00 | 3.24 | 15.00 | 11.56 | |
| 5.00 | 6.54 | 3.50 | 3.01 | |
| 6.00 | 6.18 | 4.50 | 2.53 | |
| 5.00 | 6.80 | 6.00 | 4.58 | |
| 5.00 | 4.38 | 6.00 | 3.28 | |
| 5.00 | <u>6.79</u> | 6.00 | 4.70 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1320 | KUDER PULP SALES CO.
Lake Alfred, Fla.
Kuder Dried Citrus Pulp High Sugar | 14.49 | 6.00 | 6.00 |
| 2511 | LAUHOFF SOYA CO.
Danville, Illinois
43% Protein Expeller Soybean Oil Cake | 8.59 | 43.00 | 48.38 |
| 2210 | THE LIBNER GRAIN CO.
Norwalk, Conn.
Libner's Blue Ribbon Horse & Calf Ration | 12.39 | 10.50 | 11.75 |
| 2209 | Libner's Blue Ribbon Milk Egg Mash | 10.78 | 20.00 | 23.13 |
| 1346 | MAINE REDUCTION CO., INC.
Brooks, Maine
Poultry By Products Meal | 6.72 | 55.00 | 60.63 |
| 1988 | MANITOBA SUGAR CO., LTD.
Winnipeg, Man., Canada
Molasses Dried Beet Pulp | 9.83 | 7.00 | 10.00 |
| 2223 | MARION MILLING CO.
Marion, Ohio
Cloverleaf Wheat Middlings & Ground Wheat Screenings | 12.07 | 14.00 | 16.00 |
| 2224 | Pure Wheat Bran | 12.77 | 13.50 | 14.63 |
| 2284 | MAXON MILLS, INC.
Wassaic, N. Y.
Maxon 14% Fitting | 12.00 | 14.00 | 15.63 |
| 2283 | Maxon 16% Test | 12.91 | 16.00 | 16.75 |
| 2282 | Maxon 18% Test | 11.97 | 18.00 | 17.00 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.96 | 15.00 | 10.83 | |
| 4.00 | 4.94 | 7.00 | 5.16 | |
| 3.50 | 3.38 | 7.00 | 6.57 | |
| 3.00 | 4.76 | 6.50 | 5.88 | |
| 12.00 | 16.30 | 2.50 | 1.08 | |
| 0.30 | 0.30 | 20.00 | 15.02 | |
| 3.00 | 5.22 | 9.00 | 5.91 | |
| 3.00 | 3.31 | 10.00 | 9.77 | |
| 3.50 | 3.91 | 10.00 | 7.23 | |
| 4.00 | 3.84 | 9.00 | 6.95 | |
| 4.00 | 4.59 | 9.00 | 7.84 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2984 | McMILLEN FEED MILLS
Ft. Wayne, Ind.
Master Made Hi Calorie Broiler Finisher (323-71F) | 11.09 | 20.00 | 20.88 |
| 3033 | Master Made Broiler Finisher 323-77L Medicated | 10.41 | 20.00 | 21.00 |
| 3115 | Master Made Broiler Finisher 323-77L Medicated | 12.42 | 20.00 | 20.75 |
| 3114 | Master Made Broiler Starter 307-77L Medicated | 12.04 | 24.00 | 25.38 |
| 2431 | Master Mix All Mash Turkey Grower 421 | 11.37 | 18.00 | 18.25 |
| 1622 | Master Mix Broiler Finisher Concentrate 375 | 9.95 | 41.00 | 42.63 |
| 2455 | Master Mix Broiler Starter 307-72A Medicated | 12.24 | 24.00 | 25.25 |
| 1353 | Master Mix Broiler Starter Concentrate | 11.34 | 42.50 | 42.75 |
| 2428 | Master Mix Broiler Starter Concentrate 351 | 10.04 | 42.50 | 43.13 |
| 1602 | Master Mix Calflac | 6.66 | 18.00 | 18.25 |
| 1351 | Master Mix Caponette Finisher Concentrate 383 | 11.46 | 42.50 | 42.88 |
| 1603 | Master Mix Complete Rabbit Pellets 961 | 11.93 | 15.00 | 16.25 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 6.00 | 5.79 | 3.00 | 2.56 | Dienestrol diacetate:Guar., 0.0035%; not determined. Nicarbazin:Guar., 0.0125%; found, 0.0140. |
| 6.00 | 6.01 | 3.00 | 2.83 | Nicarbazin:Guar., 0.0125%; found, 0.0120%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0051%. |
| 6.00 | 7.13 | 3.00 | 2.53 | Nicarbazin:Guar., 0.0125%; found, 0.0154%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. |
| 6.00 | 8.36 | 3.00 | 2.45 | Nicarbazin:Guar., 0.0125%; found, 0.0146%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0048%. |
| 3.50 | 3.98 | 5.00 | 4.43 | |
| 10.00 | 10.64 | 4.00 | 3.16 | |
| 6.00 | 6.76 | 3.00 | 2.41 | Acetyl(para-nitrophenyl)sulfanilamide:Guar., 0.03%; found, 0.0328%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0234%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0050%. |
| 8.50 | 9.20 | 3.00 | 2.94 | |
| 8.50 | 9.76 | 3.00 | 3.13 | |
| 11.50 | 11.85 | 0.50 | 0.40 | |
| 4.00 | 4.44 | 4.00 | 3.47 | |
| 2.00 | 2.39 | 16.00 | 12.74 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2429 | Master Mix Complete Turkey Finisher | 11.00 | 16.00 | 16.00 |
| 1354 | Master Mix 14% Dairy Feed 621 | 13.15 | 14.00 | 17.50 |
| 2399 | Master Mix Egglac Pellets | 10.46 | 20.00 | 23.13 |
| 2397 | Master Mix Egg Mash 211 | 10.00 | 20.00 | 21.88 |
| 2398 | Master Mix Horse Feed | 11.87 | 10.00 | 11.88 |
| 2772 | Master Mix Poultry Starter 401-83A Medicated | 9.62 | 28.00 | 28.25 |
| 2592 | Master Mix Prime Finisher 55A Medicated | 10.86 | 15.00 | 16.88 |
| 1601 | Master Mix Sweet Flakes
MEECH & STODDARD, INC.
Middletown, Conn. | 13.72 | 7.00 | 9.25 |
| 1848 | M & S Economy Dairy Feed | 11.85 | 16.00 | 17.88 |
| 1433 | Quality Brand Complete Growing | 12.64 | 16.00 | 16.00 |
| 1434 | Quality Brand Complete Laying | 12.39 | 16.00 | 16.00 |
| 2171 | Red Wing Calf Starter & Grower | 11.61 | 16.00 | 18.00 |
| 2167 | Red Wing 16% Dairy Feed | 11.04 | 16.00 | 16.00 |
| 2172 | Red Wing Fitting Ration | 11.51 | 14.00 | 14.00 |
| 2168 | Red Wing 16% High Energy Dairy Ration | 11.74 | 16.00 | 16.00 |
| 1423 | Red Wing Horse Feed | 15.64 | 9.00 | 11.75 |
| 1847 | Red Wing Horse Feed | 13.46 | 9.00 | 9.75 |
| 2170 | Red Wing Pig & Hog Feed | 10.66 | 17.00 | 17.13 |
| 2173 | Red Wing Rabbit Pellets | 9.79 | 16.00 | 16.00 |
| 1510 | Red Wing Stock Feed | 13.32 | 10.00 | 10.00 |
| 2169 | Special Balance Growing Mash | 11.10 | 18.00 | 17.00 |
| 1846 | Special Balance High Efficiency Complete Growing Mash | 11.69 | 15.00 | 16.38 |
| 1432 | Special Balance High Efficiency Complete Laying Mash | 12.79 | 16.00 | 16.63 |
| 1431 | Special Balance Laying Mash | 12.22 | 20.00 | 20.00 |
| 2713 | Special Balance Starting Mash Medicated | 11.47 | 20.00 | 20.75 |
| 3119 | Special Broiler-Finisher Medicated | 11.76 | 20.00 | 21.25 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 4.39 | 6.00 | 4.42 | |
| 3.00 | 3.01 | 10.00 | 7.79 | |
| 2.50 | 3.94 | 7.00 | 5.79 | |
| 2.50 | 3.19 | 7.00 | 5.54 | |
| 3.00 | 3.19 | 9.00 | 6.17 | |
| 4.00 | 5.31 | 4.00 | 2.55 | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0170%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0049%. |
| 4.50 | <u>3.59</u> | 4.00 | 2.21 | Glycarbilmide:Guar., 0.003%; found, 0.0008%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0046%. |
| 1.50 | 2.39 | 29.00 | 26.39 | |
| 3.00 | 3.39 | 10.00 | 8.05 | |
| 3.00 | 4.45 | 5.00 | 3.06 | |
| 3.00 | 4.02 | 4.50 | 3.39 | |
| 3.00 | 3.31 | 8.00 | 7.06 | |
| 3.50 | 4.14 | 9.00 | 6.73 | |
| 3.50 | 3.73 | 9.00 | 7.35 | |
| 4.00 | 3.36 | 6.50 | 4.37 | |
| 3.20 | <u>2.43</u> | 7.00 | 5.04 | |
| 3.20 | <u>3.48</u> | 7.00 | 3.59 | |
| 3.00 | 3.06 | 7.00 | 6.09 | |
| 2.50 | 3.79 | 13.00 | 11.05 | |
| 2.50 | 3.09 | 11.00 | 10.50 | |
| 3.00 | 3.91 | 6.00 | 5.96 | |
| 3.50 | 4.21 | 5.00 | 4.95 | |
| 3.00 | 4.51 | 5.00 | 4.70 | |
| 3.00 | 3.88 | 6.00 | 4.61 | |
| 3.00 | 3.62 | 6.00 | 4.52 | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0162%. |
| 5.50 | 5.50 | 4.00 | 3.22 | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0020%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2426 | THE MENNEL MILLING CO.
Fostoria, Ohio
Memo Pure Wheat Bran | 12.64 | 13.00 | 15.38 |
| 2992 | MERCK & CO., INC., CHEM. DIV., Rahway, N. J.
No. 941 Feed Supplement Improved Premix Medicated | -- | -- | -- |
| 1782 | MIDDLETOWN MILK & CREAM CO., INC., Fort Edward, N. Y.
Dellwood Brand Dried Whey | 8.39 | 11.00 | 13.13 |
| 2187 | MINER-HILLARD MILLING CO.
Wilkes-Barre, Pa.
Choice Steam Cooked Hominy Feed | 11.77 | 10.00 | 11.13 |
| 1620 | MINNESOTA LINSEED OIL CO.
Minneapolis, Minn.
Minnesota Solvent Extracted Linseed Oil Meal 34% Protein | 12.35 | 34.00 | 34.00 |
| 1413 | MINUTE MAID CORP.
Leesburg, Fla.
Golden Isle Citrus Pulp | 12.72 | 5.50 | 6.25 |
| 2230 | GEO. Q. MOON & CO., INC.
Binghamton, N. Y.
Moon Complete Growing Mash | 10.70 | 16.00 | 16.50 |
| 2233 | Moon Complete Laying Mash | 10.15 | 16.00 | 17.13 |
| 2229 | Moon 20% Dairy Ration | 12.15 | 20.00 | 21.25 |
| 2232 | Moon Goat Ration | 10.79 | 16.00 | 18.75 |
| 2297 | Moon Growing Mash | 10.80 | 18.00 | 20.25 |
| 2296 | Moon Horse Feed | 13.83 | 9.00 | 11.00 |
| 2289 | Moon Laying Mash | 10.21 | 22.00 | 23.25 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.06 | 12.00 | 8.25 | |
| -- | -- | -- | -- | Arsanilic acid: Guar., 2.5%; found, 2.38%. Nicarbazin: Guar., 3.13%; found, 2.80%. |
| 0.50 | 1.08 | -- | -- | |
| 5.00 | 5.69 | 5.00 | 4.02 | |
| 0.50 | 2.74 | 10.00 | 7.69 | |
| 2.75 | 2.85 | 15.00 | 12.07 | |
| 4.50 | 4.99 | 6.50 | 5.27 | |
| 4.50 | 4.18 | 6.50 | 5.56 | |
| 3.50 | 3.28 | 10.00 | 7.35 | |
| 3.00 | 3.24 | 8.00 | 7.16 | |
| 4.00 | 5.16 | 6.50 | 5.04 | |
| 1.50 | 3.58 | 10.00 | 5.93 | |
| 4.00 | 5.59 | 6.50 | 5.38 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|--|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 1792 | Moon Rabbit Pellets | 11.56 | 15.00 | 17.75 |
| 1793 | Moon Scratch Feed | 14.43 | 10.00 | 10.00 |
| | MOWAT, WILSON & CO.
Detroit, Mich. | | | |
| 2208 | Dried Beet Pulp | 8.23 | 7.00 | 9.25 |
| | NATIONAL ALFALFA DEHYDRATING & MILLING CO.
Lamar, Colo. | | | |
| 2518 | Krumbles | 7.10 | 13.00 | 15.75 |
| 2513 | National 20% Dehydrated Alfalfa Meal | 9.89 | 20.00 | <u>18.25</u> |
| 2512 | National 15% Protein Dehydrated Alfalfa Meal | 7.30 | 15.00 | 17.75 |
| 2516 | National 17% Protein Dehydrated Alfalfa Meal | 9.29 | 17.00 | 17.38 |
| | NATIONAL BISCUIT CO.
Toledo, Ohio | | | |
| 2211 | Namico | 11.78 | 14.00 | 14.75 |
| 1612 | Pure Wheat Bran | 13.86 | 13.00 | 13.88 |
| | NATIONAL DISTILLERS PRODUCTS CO.
New York, N. Y. | | | |
| 1624 | Nadrisol Brand Corn Distillers Dried Solubles | 10.14 | 25.00 | 28.38 |
| | NEW JERSEY FLOUR MILLS CO., Clifton, N. J. | | | |
| 1764 | Jersey Flour Middlings | 12.23 | 14.00 | 15.75 |
| | NOPCO CHEMICAL CO.
Newark, N. J. | | | |
| 1345 | Nopco-Pak High Energy Premix | 13.06 | 5.00 | 10.88 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.50 | 3.73 | 12.00 | 10.27 | |
| 2.00 | 2.94 | 5.00 | 2.90 | |
| 0.30 | 1.11 | 22.50 | 20.39 | |
| 1.50 | 3.79 | 33.00 | 24.62 | |
| 2.50 | 3.18 | 20.00 | 21.82 | |
| 1.50 | 3.26 | 30.00 | 20.47 | |
| 1.50 | 2.85 | 27.00 | 23.55 | |
| 3.50 | 4.44 | 9.00 | 5.98 | |
| 3.00 | 5.13 | 10.00 | 4.83 | |
| 8.00 | 9.83 | 4.00 | 3.03 | |
| 3.50 | 3.79 | 6.00 | 6.63 | |
| 1.00 | 1.76 | 24.00 | 20.66 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|--|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1343 | Nopco-Pak Hi-Lay Premix | 7.44 | 7.00 | 11.50 |
| 1344 | Nopco-Pak Super Premix | 15.50 | 6.00 | 21.25 |
| 1342 | Nopdex "3000" | 11.11 | 10.00 | 12.25 |
| NORTHERN OHIO SUGAR CO.
Denver, Colo. | | | | |
| 2238 | GW Dried Beet Pulp | 12.18 | 8.00 | 8.00 |
| 2258 | GW Dried Molasses Beet Pulp | 5.18 | 8.50 | 10.00 |
| OGDEN GRAIN CO.
Utica, N. Y. | | | | |
| 1554 | Life Span 15 | 12.81 | 15.00 | 16.63 |
| 1555 | Ogden C. L. Special 16 | 13.89 | 16.00 | 18.63 |
| 2808 | Ogden Complete Breeder Medicated | 12.11 | 16.00 | 16.00 |
| 1557 | Ogden Complete Grower | 13.12 | 16.00 | 16.38 |
| 2840 | Ogden Complete Layer Medicated | 12.36 | 16.00 | 16.75 |
| 1559 | Ogden Grow-Rite Complete Pullet Ration | 12.86 | 16.00 | 18.38 |
| 2807 | Ogden Hi-Energy Laying Mash Medicated | 13.06 | 16.00 | 16.50 |
| 1965 | Ogden Horse Feed | 12.74 | 10.00 | 10.88 |
| 1558 | Ogden Laying Mash | 13.44 | 20.00 | 18.75 |
| 1967 | Ogden Milk Replacement | 5.21 | 21.00 | 22.00 |
| 1963 | Ogden Premium Dry & Freshening Ration | 12.47 | 14.00 | 15.25 |
| 1556 | Ogden Premium 16 Pel-Flake | 13.24 | 16.00 | 15.63 |
| 1962 | Ogden Premium 18% Test Cow Ration | 12.86 | 18.00 | 18.38 |
| 1966 | Ogden Rabbit Pellets | 10.83 | 18.00 | 18.00 |
| 2198 | Ogden Reliable 16 Dairy Ration | 13.25 | 16.00 | 16.13 |
| 2479 | Ogden Scratch Grains | 13.33 | 9.00 | 9.00 |
| 1964 | Ogden Super Hi-Energy Laying Mash | 10.99 | 20.00 | 18.63 |
| 2478 | Ogden Super Pig Ration | 11.39 | 14.00 | 14.00 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.00 | 1.96 | 20.00 | 18.08 | |
| 1.00 | 2.48 | 20.00 | 3.47 | |
| 0.50 | 3.44 | 37.00 | 31.19 | |
| -- | -- | 22.50 | 17.22 | |
| -- | -- | 18.00 | 14.79 | |
| 3.50 | 4.78 | 8.00 | 6.96 | |
| 3.50 | 3.28 | 8.50 | 7.65 | |
| 3.00 | 3.36 | 4.00 | 3.54 | Arsanilic acid:Guar., 0.01%;
found, 0.0085%. |
| 3.00 | 3.90 | 3.50 | 3.21 | |
| 3.50 | 3.38 | 3.50 | 3.28 | Arsanilic acid:Guar., 0.01%;
found, 0.0058%. |
| 3.00 | 4.13 | 7.00 | 4.97 | |
| 4.50 | 4.27 | 4.00 | 3.92 | Arsanilic acid:Guar., 0.01%;
found, 0.0090%. |
| 3.00 | 3.49 | 9.00 | 6.02 | |
| 3.00 | 3.54 | 6.00 | 5.46 | |
| 8.50 | 10.14 | 0.50 | 0.35 | |
| 4.00 | 3.78 | 8.00 | 6.52 | |
| 4.00 | 4.69 | 8.00 | 6.39 | |
| 4.00 | 4.38 | 8.00 | 6.24 | |
| 3.00 | 3.42 | 12.00 | 11.85 | |
| 3.00 | 3.48 | 9.00 | 1.87 | |
| 3.00 | 3.41 | 6.00 | 2.96 | |
| 4.50 | 5.35 | 4.50 | 4.43 | |
| 3.50 | 4.36 | 7.00 | 5.12 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 1704 | OSCEOLA FRUIT DISTRIBUTORS, Kissimee, Fla.
Osceola Citrus Pulp | 10.94 | 6.00 | 6.25 |
| 1329 | THE PARK & POLLARD CO., INC., Buffalo, N. Y.
Park & Pollard Hi-Speed Horse Feed 545 | 15.69 | 12.00 | 13.75 |
| 1328 | Super Lay or Bust Egg Mash 110 | 13.22 | 21.00 | <u>19.25</u> |
| 1330 | Super Lay or Bust Growing Feed 105 | 13.64 | 20.00 | 19.25 |
| 1350 | PASCO PACKING CO. Dade City, Fla.
Sugar Sweet Citrus Pulp | 12.27 | 6.00 | 6.38 |
| 1318 | PERRYSBURG ALFALFA MILLS, INC., Perrysburg, Ohio
13% Sun Cured Alfalfa Meal | 17.00 | 13.00 | 14.13 |
| 1946 | PILLSBURY of CANADA LTD. Midland, Canada
Dandy Wheat Bran | 11.91 | 14.00 | 19.25 |
| 1598 | R. C. PRATT & CO., LTD. Toronto, Canada
Ruler Brand Pure Wheat Shorts | 12.09 | 15.00 | 15.00 |
| 1959 | PUBLICKER INDUSTRIES, INC. Philadelphia, Pa.
Paco Molasses Distillers Dried Solubles | 4.43 | 10.00 | 10.00 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.00 | 2.04 | 15.00 | 11.87 | |
| 3.00 | 3.06 | 9.00 | 5.03 | |
| 3.50 | 4.93 | 4.00 | 3.82 | |
| 4.00 | 4.60 | 4.50 | <u>5.15</u> | |
| 3.00 | <u>2.29</u> | 13.50 | 10.45 | |
| 1.00 | 2.00 | 33.00 | 29.30 | |
| 3.50 | 4.29 | 11.50 | 9.73 | |
| 3.50 | 5.45 | 10.50 | 7.09 | |
| 0.50 | 0.54 | 5.00 | 0.09 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1728 | THE QUAKER OATS CO.
Chicago, Ill.
Ful-O-Pep Derwood Horse Crunch | 11.57 | 15.00 | 16.13 |
| 1549 | QUAKER OATS CO. of CANADA LTD., Peterborough, Canada
Yellow Hominy Feed | 11.59 | 10.00 | 10.38 |
| 2166 | RALSTON PURINA CO.
St. Louis, Mo.
Custom Breeder Arbor Acre | 11.40 | 16.00 | 17.25 |
| 2165 | Custom Developer Arbor Acre | 10.20 | 13.00 | 14.88 |
| 2161 | 44% Protein Solvent Extracted Soybean Oil Meal | 11.33 | 44.00 | 45.38 |
| 1826 | Purina B&M Cow Chow | 13.10 | 16.00 | 16.13 |
| 3122 | Purina Baby Pig Chow Medicated | 8.09 | 18.00 | 18.00 |
| 3117 | Purina Broiler Chow D Medicated | 11.25 | 20.00 | 20.38 |
| 2454 | Purina Broiler Chow(D) UN | 11.42 | 20.00 | 21.75 |
| 3112 | Purina Broiler Chow Finisher (E) 3NC Medicated | 11.81 | 20.00 | 23.13 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 4.00 | 4.08 | 10.00 | 9.46 | |
| 5.00 | 7.83 | 6.00 | 4.42 | |
| 3.50 | 4.99 | 5.00 | 4.00 | |
| 2.50 | 4.61 | 9.00 | 6.26 | |
| 0.50 | 1.48 | 7.00 | 6.85 | |
| 2.50 | 2.72 | 10.00 | 5.35 | |
| 5.00 | 6.39 | 3.00 | 1.88 | 3-Nitro-4-hydroxyphenyl-arsonic acid:Guar., 0.005%; found, 0.0049%. Chlortetracycline hydrochloride:Guar., 0.025 gm/lb.; not determined. |
| 3.00 | 4.80 | 5.00 | 2.79 | 3-Nitro-4-hydroxyphenyl-arsonic acid:Guar., 0.005%; found, 0.0042%. |
| 3.00 | 4.01 | 5.00 | 2.57 | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0328%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0220%. 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0051%. |
| 5.00 | 7.26 | 4.50 | 2.77 | 3-Nitro-4-hydroxyphenyl-arsonic acid:Guar., 0.005%; found, 0.0047%. Nicarbazin:Guar., 0.0125%; found, 0.0148%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 3111 | Purina Broiler Chow Starter (E) 3NC Medicated | 10.85 | 23.00 | 24.88 |
| 2450 | Purina Broiler Chow Starter (E) UN Medicated | 9.91 | 23.00 | 25.25 |
| 1942 | Purina Bulky Las | 12.72 | 10.00 | 10.50 |
| 1940 | Purina Calf Startena | 11.48 | 19.50 | 20.13 |
| 2557 | Purina Calf Startena | 9.09 | 19.50 | 21.50 |
| 2559 | Purina Calf Startena (Coarse) | 10.94 | 19.50 | 20.63 |
| 2163 | Purina Chick Chow (Coarse) | 13.21 | 9.00 | 9.50 |
| 1944 | Purina Chick Chow (Fine) | 13.37 | 9.00 | 9.75 |
| 1410 | Purina Chick Growena D | 11.83 | 17.00 | 18.38 |
| 2449 | Purina Chick Growena (D) Medicated | 10.99 | 17.00 | 18.25 |
| 3118 | Purina Chick Startena D Medicated | 10.40 | 20.00 | 20.88 |
| 2451 | Purina Chick Startena (D) UN Medicated | 11.76 | 20.00 | 21.13 |
| 1408 | Purina Cow Chow D 16% | 12.71 | 16.00 | 16.63 |
| 2159 | Purina Cow Chow D 20% | 10.11 | 20.00 | 21.13 |
| 2160 | Purina D & F Chow | 11.17 | 12.50 | 12.50 |
| 1756 | Purina D & F Chow (Coarse) | 13.21 | 12.50 | 12.50 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 5.00 | 7.83 | 4.50 | 4.50 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0042%. Nicarbazin: Guar., 0.0125%; found, 0.0144%. |
| 5.00 | 6.29 | 4.50 | 3.83 | Acetyl(para-nitrophenyl) sulfanilamide: Guar., 0.03%; found, 0.0324%. 3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.0240%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0047%. |
| 1.00 | 1.00 | 15.00 | 13.39 | |
| 2.50 | 2.93 | 8.00 | 6.42 | |
| 5.00 | 6.16 | 11.00 | 7.46 | |
| 2.50 | 3.62 | 8.00 | 6.44 | |
| 2.00 | 3.00 | 4.00 | 1.66 | |
| 2.00 | 2.59 | 4.00 | 1.21 | |
| 3.00 | 4.12 | 8.00 | 4.84 | |
| 3.00 | 4.10 | 7.00 | 5.45 | Acetyl(para-nitrophenyl) sulfanilamide: Guar., 0.03%; found, 0.0332%. 3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.0270%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0069%. |
| 2.50 | 4.53 | 7.00 | 5.28 | 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.0025%; found, 0.0021%. |
| 2.50 | 4.29 | 7.00 | 5.06 | Acetyl(para-nitrophenyl) sulfanilamide: Guar., 0.03%; found, 0.0348%. 3,5-Dinitrobenzamide: Guar., 0.025%; found, 0.0280%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0052%. |
| 2.50 | 3.87 | 8.00 | 4.08 | |
| 2.50 | 3.86 | 8.00 | 6.02 | |
| 2.50 | 3.18 | 11.00 | 5.32 | |
| 2.50 | 2.49 | 11.00 | 6.65 | |

| 106 | | Connecticut Experiment Station | | Bulletin 645 | |
|---------------------------------------|--|--------------------------------|--------------------------|--------------|--|
| TABLE 1. ANALYSES OF COMMERCIAL FEEDS | | | | | |
| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | | |
| | | | Guaranteed not less than | Found | |
| 2141 | Purina D & F Chow (Coarse) | 12.34 | 12.50 | 12.50 | |
| 2560 | Purina Dairy Chow L 16% | 11.06 | 16.00 | 18.63 | |
| 1752 | Purina Duck Growena | 11.31 | 18.00 | 20.75 | |
| 2193 | Purina Fitting Ration | 11.13 | 14.00 | 16.50 | |
| 1932 | Purina Game Bird F&M Chow | 11.08 | 19.00 | 20.00 | |
| 1755 | Purina Game Bird Growena | 11.30 | 20.00 | 22.13 | |
| 1412 | Purina Goat Chow A (Coarse) | 12.72 | 16.00 | 17.00 | |
| 1422 | Purina Goat Chow Checkers D | 12.94 | 16.00 | 16.88 | |
| 2474 | Purina Guinea Pig Chow | 9.42 | 24.00 | 24.63 | |
| 3123 | Purina Hog Finisher No. 1 Medicated | 13.38 | 14.00 | 14.00 | |
| 1751 | Purina Lay Chow E | 12.25 | 23.00 | 23.00 | |
| 1409 | Purina Layena (Complete Ration) E | 12.69 | 16.50 | 17.00 | |
| 2586 | Purina Medicated Chek-R-Aid | 11.24 | 20.00 | 21.63 | |
| 2571 | Purina Medicated Poultry Aid | 9.88 | 22.00 | 24.88 | |
| 1941 | Purina Milk Chow D 16% | 10.57 | 16.00 | 19.50 | |
| 2196 | Purina Milk Chow D 16% (Coarse) | 11.91 | 16.00 | 16.63 | |
| 2558 | Purina Mink Breeder Chow | 10.80 | 20.00 | 22.25 | |
| 1947 | Purina Mink Developer Chow | 10.76 | 20.00 | 23.25 | |
| 2164 | Purina Nursing Chow | 6.87 | 25.00 | 28.75 | |
| 2453 | Purina of Broiler Chow Finisher (V) UN Medicated | 11.66 | 20.00 | 22.38 | |
| 1411 | Purina Omolene | 13.65 | 10.00 | 11.25 | |
| 1753 | Purina Pigeon Chow Checkers | 11.81 | 15.00 | 15.50 | |
| 2140 | Purina Poultry Booster Chow | 10.71 | 24.00 | 24.75 | |
| 1757 | Purina Rabbit Chow Checkers (20%) | 9.77 | 20.00 | 21.25 | |
| 2152 | Purina Rabbit Chow Checkers (Complete Ration) | 9.05 | 15.00 | 17.13 | |

indicates deficiencies.

| Analyses | | | | 107 | |
|--------------------------|-----------|--------------------------|-------|--|--|
| INSPECTION OF 1960 | | | | | |
| Guaranteed not less than | Fat Found | Fiber | | Medicants | |
| | | Guaranteed not more than | Found | | |
| 2.50 | 2.61 | 11.00 | 6.41 | | |
| 2.50 | 2.38 | 12.00 | 11.39 | | |
| 3.00 | 4.08 | 5.00 | 3.81 | | |
| 2.50 | 3.69 | 12.00 | 7.59 | | |
| 2.50 | 3.38 | 12.00 | 7.05 | | |
| 3.00 | 3.05 | 6.00 | 3.64 | | |
| 3.00 | 3.76 | 9.00 | 6.25 | | |
| 2.50 | 3.69 | 8.00 | 4.19 | | |
| 4.00 | 5.04 | 12.00 | 9.18 | | |
| 2.50 | 3.29 | 7.00 | 3.10 | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.0025%; found, 0.0022%. | |
| 3.50 | 4.43 | 5.00 | 4.15 | | |
| 3.50 | 5.19 | 4.50 | 3.34 | | |
| 4.50 | 5.98 | 4.50 | 2.70 | Chlortetracycline hydrochloride:Guar., 0.05 gm/lb.; not determined. Furazolidone:Guar., 0.011%; found, 0.0112%. | |
| 4.50 | 8.26 | 4.50 | 3.57 | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined. | |
| 2.50 | 4.08 | 10.00 | 6.95 | | |
| 2.50 | 2.63 | 10.00 | 6.88 | | |
| 3.00 | 2.89 | 5.00 | 4.38 | | |
| 2.50 | 3.97 | 5.00 | 3.88 | | |
| 2.50 | 2.71 | 1.50 | 0.75 | | |
| 5.00 | 4.24 | 4.50 | 2.08 | Acetyl(para-nitrophenyl)sulfanilamide:Guar., 0.03%; found, 0.0284%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0210%. 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0053%. | |
| 3.00 | 3.73 | 9.00 | 6.26 | | |
| 2.50 | 3.79 | 4.00 | 3.37 | | |
| 2.50 | 4.38 | 6.50 | 5.14 | | |
| 2.00 | 2.79 | 16.00 | 15.37 | | |
| 2.00 | 3.79 | 18.00 | 13.74 | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2773 | Purina Rabbit Chow Checkers NF SQ (Complete Ration) Medicated | 9.00 | 15.00 | 17.75 |
| 1931 | Purina Rabbit Chow Checkers WO | 10.11 | 15.00 | 17.63 |
| 1825 | Purina Roaster Chow E | 11.17 | 17.00 | 18.63 |
| 2846 | Purina Roaster Chow (E) NC Medicated | 9.37 | 15.00 | 17.50 |
| 2452 | Purina Roaster Chow (E) UN Medicated | 10.98 | 17.00 | 20.13 |
| 1945 | Purina Special Steer Fatena 32% | 10.20 | 32.00 | 32.25 |
| 3113 | Purina Squab Broiler Chow 3 NC Medicated | 12.60 | 20.00 | 20.00 |
| 2162 | Purina Turkey Fatena D | 10.00 | 17.00 | 17.00 |
| 1943 | Purina Turkey Finisher (D) No. 1 | 11.49 | 15.00 | 15.50 |
| 2594 | Purina Turkey Finisher (D) No. 1 HZ Medicated | 10.41 | 15.00 | 15.50 |
| 2158 | Purina Turkey Finisher (D) No. 2 | 10.76 | 13.50 | 14.13 |
| 2593 | Purina Turkey Finisher D No. 2 HZ Medicated | 10.56 | 13.50 | 14.50 |
| 1933 | Purina Turkey Growena D No. 1 | 10.89 | 23.00 | 24.25 |
| 1827 | Purina Turkey Growena D No. 2 | 10.50 | 20.00 | 21.13 |
| | READING MILLING CO., INC.
Reading, Pa. | | | |
| 1562 | Farmel All Mash Layer | 10.72 | 16.00 | 19.00 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.00 | 2.16 | 18.00 | 11.20 | Sulfaquinoxaline:Guar., 0.025%; found, 0.0168%. Furazolidone: Guar., 0.0055%; found, 0.0060%. |
| 2.00 | 3.34 | 18.00 | 13.43 | |
| 4.00 | 4.79 | 6.50 | 3.03 | |
| 4.00 | 5.39 | 6.50 | 2.82 | Nicarbazin:Guar., 0.0125%; found, 0.0126%. Dienestrol diacetate:Guar., 0.0023%; not determined. |
| 4.00 | 5.04 | 6.50 | 2.95 | Acetyl(para-nitrophenyl) sulfanilamide:Guar., 0.03%; found, 0.0308%. 3,5-Dinitrobenzamide:Guar., 0.025%; found, 0.0228%. 3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0047%. |
| 2.00 | 2.00 | 12.00 | 7.46 | |
| 3.50 | 5.32 | 4.50 | 3.44 | 3-Nitro-4-hydroxyphenylarsonic acid:Guar., 0.005%; found, 0.0054%. Nicarbazin: Guar., 0.0125%; found, 0.0150%. |
| 3.50 | 4.46 | 5.50 | 4.42 | |
| 4.00 | 4.08 | 4.50 | 3.45 | |
| 4.00 | 4.49 | 4.50 | 2.88 | Nithiazide:Guar., 0.03%; found, 0.0298%. |
| 4.00 | 5.28 | 4.00 | 3.95 | |
| 4.00 | 4.49 | 4.00 | 2.51 | Nithiazide:Guar., 0.03%; found, 0.0271%. |
| 3.50 | 4.39 | 6.00 | 4.08 | |
| 3.50 | 4.29 | 5.50 | 4.61 | |
| 3.50 | 5.14 | 4.50 | 4.31 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1563 | Farmel Rabbit Food Pellets | 10.77 | 16.00 | 18.13 |
| 1597 | Pure Winter Wheat Middlings | 13.43 | 15.00 | 15.00 |
| | ROHLOFF BROS., INC.
Graytown, Ohio | | | |
| 1754 | Rohloff's Dehydrated Alfalfa Meal with Animal Fat | 10.59 | 15.00 | 15.38 |
| 2227 | Rohloff's Dehydrated Alfalfa Meal with Animal Fat | 10.31 | 17.00 | 18.38 |
| | RUSSELL-MILLER MILLING CO., Minneapolis, Minn. | | | |
| 1729 | Occident Wheat Bran | 12.36 | 15.00 | 16.75 |
| 2561 | Occident Wheat Middlings with Ground Wheat Screenings | 10.96 | 16.00 | 17.38 |
| | SASKATCHEWAN WHEAT POOL NO. 8, Ontario, Canada | | | |
| 1539 | Ground Flax Screenings | 11.07 | 15.00 | 15.75 |
| | WOLF SAVITSKY & SONS, INC.
Shelton, Conn. | | | |
| 2839 | Wolf's Broiler Finisher Medicated | 11.91 | 19.00 | 20.38 |
| 1811 | Wolf's Calf Milk Replacer | 7.67 | 28.00 | 30.50 |
| 2815 | Wolf's Complete Hi-Eff Egg Breeder Mash Medicated | 11.22 | 16.00 | 18.00 |
| 3127 | Wolf's Complete Hi-Eff Profit Builder Medicated | 12.34 | 16.00 | 17.50 |
| 1805 | Wolf's 14% Dairy Ration | 13.37 | 14.00 | 16.13 |
| 2090 | Wolf's 16% Dairy Ration | 11.59 | 16.00 | 17.88 |
| 1806 | Wolf's Egg Mash | 12.56 | 20.00 | 20.88 |
| 1809 | Wolf's Horse Feed | 13.91 | 12.00 | 13.88 |
| 1808 | Wolf's Perfor Mo-Las | 12.50 | 10.00 | 13.63 |
| 2477 | Wolf's 16% Test Ration | 11.55 | 16.00 | 17.63 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.03 | 15.00 | 13.67 | |
| 4.00 | 3.39 | 8.00 | 3.61 | |
| 2.50 | 3.38 | 30.00 | 24.33 | |
| 3.00 | 4.91 | 27.00 | 17.81 | |
| 4.00 | 5.14 | 11.00 | 10.12 | |
| 4.00 | 4.25 | 9.50 | 8.92 | |
| 10.00 | 10.30 | 15.00 | 10.43 | |
| 3.00 | 2.96 | 4.00 | 3.74 | Arsanilic acid:Guar., 0.009%;
found, 0.0096%. |
| 10.00 | 12.46 | 3.00 | 2.06 | |
| 3.00 | 3.56 | 4.00 | 3.46 | Arsanilic acid:Guar., 0.0099%;
found, 0.0099%. |
| 3.00 | 3.43 | 4.00 | 3.88 | Arsanilic acid:Guar., 0.0099%;
found, 0.0095%. |
| 3.00 | 3.65 | 9.00 | 5.70 | |
| 3.00 | 3.84 | 10.00 | 6.05 | |
| 3.00 | 3.19 | 5.00 | 3.46 | |
| 2.75 | 3.80 | 10.00 | 7.73 | |
| 2.00 | 3.79 | 16.00 | 10.44 | |
| 3.00 | 3.16 | 9.00 | 5.77 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|--|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 2179 | SCHOENECK FARMS, INC.
Nazareth, Pa.
Schoeneck's Super Green Dehydrated Alfalfa Meal | 7.14 | 17.00 | <u>16.13</u> |
| 2514 | SEABOARD SUPPLY CO.
Philadelphia, Pa.
Dried Tomato Pomace | 12.08 | 20.00 | 20.00 |
| 2234 | SEA-BORN MINERAL, DIV. of
SKOD CO., Greenwich, Conn.
Sea-Born | 13.41 | 5.00 | 5.25 |
| 1608 | SEAFORTH MILLING CO.,
LTD., Montreal-Winnipeg-
Keewatin, Canada
Tip Top Ground Grain Screenings | 12.03 | 11.00 | 13.00 |
| 2771 | SEYMOUR GRAIN & COAL CO.
Seymour, Conn.
Miracle Broiler-Starter Medicated | 11.15 | 22.50 | 22.88 |
| 1607 | Miracle Dairy 16% | 14.00 | 16.00 | 16.38 |
| 1606 | Miracle Fitting Ration | 13.77 | 14.00 | 14.25 |
| 1604 | Miracle Hi-Energy All Mash Layer | 12.61 | 16.50 | 16.75 |
| 2418 | Miracle Hi-Q 16% Dairy | 13.23 | 16.00 | 15.25 |
| 2422 | Miracle Hi-Q 18% | 13.33 | 18.00 | 18.25 |
| 2419 | Miracle Hog Finisher Ration | 12.14 | 12.00 | 13.25 |
| 2405 | Miracle Horse Feed | 12.19 | 10.00 | 10.38 |
| 1605 | Miracle 20% Laying Mash | 12.30 | 20.00 | 20.13 |
| 1613 | Miracle Pig Grower | 12.71 | 13.50 | 14.50 |
| 2396 | Miracle Scratch Feed | 12.79 | 10.00 | 11.00 |
| 2421 | Pasture Mix | 11.13 | 9.00 | 9.38 |
| 2403 | See-More Milk Dairy Ration 18% | 11.02 | 18.00 | 18.38 |
| 1615 | See-More Milk Dairy Ration 20% | 13.87 | 20.00 | 21.00 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 2.00 | 2.86 | 27.00 | 27.01 | |
| 10.00 | 11.37 | 34.00 | 28.95 | |
| 2.00 | 3.56 | 8.00 | 2.92 | |
| 2.50 | 3.39 | 14.00 | 12.60 | |
| 3.50 | 4.66 | 4.00 | 2.96 | Sulfaquinoxaline: Guar., 0.0175%;
found, 0.0120%. 3-Nitro-4-
hydroxyphenylarsonic acid:
Guar., 0.005%; found, 0.0056%. |
| 3.00 | 4.88 | 9.00 | 6.04 | |
| 3.00 | 4.39 | 8.00 | 7.70 | |
| 4.25 | 6.57 | 4.75 | 4.59 | |
| 4.00 | 3.18 | 4.00 | 2.53 | |
| 4.00 | 2.39 | 4.00 | 2.57 | |
| 3.50 | 4.97 | 5.00 | 4.19 | |
| 3.00 | 3.16 | 9.00 | 5.45 | |
| 3.00 | 5.03 | 6.50 | 5.10 | |
| 3.50 | 4.43 | 5.50 | 4.55 | |
| 2.50 | 3.15 | 6.00 | 3.13 | |
| 2.50 | 2.30 | 20.00 | 15.11 | |
| 3.00 | 3.31 | 9.50 | 5.86 | |
| 3.00 | 3.38 | 9.50 | 5.88 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| | THE SHERWIN-WILLIAMS CO.
Cleveland, Ohio | | | |
| 2228 | Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted) | 12.04 | 34.00 | 35.13 |
| 2424 | Sherwin-Williams 34% Linseed Oil Meal (Solvent Extracted) | 12.25 | 34.00 | 35.75 |
| 2149 | Sherwin-Williams 44% Protein Soybean Oil Meal (Solvent Extracted) | 10.47 | 44.00 | 49.50 |
| | A. E. STALEY MANUFACTURING CO., Decatur, Ill. | | | |
| 2231 | Staley 44% Protein Solvent Extracted Soybean Oil Meal | 11.00 | 44.00 | 45.63 |
| | SUNI CITRUS PRODUCTS CO.
Haines City, Fla. | | | |
| 2257 | Suni Citrolas Crumbles | 10.65 | 6.25 | 6.88 |
| 2404 | Sweet Suni-Citrus Pulp | 9.34 | 6.00 | 6.00 |
| | SUNSHINE BISCUITS, INC.
Grafton, Ohio | | | |
| 2525 | UMC Wheat Bran-Pure Wheat Bran | 12.54 | 13.00 | 13.88 |
| 2202 | UMC Wheat Middlings with Ground Screenings | 11.89 | 14.00 | 15.13 |
| | SWIFT & CO.
Fostoria, Ohio | | | |
| 1618 | Swift's 44% Protein Solvent Extracted Soybean Oil Meal | 13.03 | 44.00 | 51.50 |
| 1514 | Swift's 50% Protein Dehulled Solvent Extracted Soybean Oil Meal | 12.05 | 50.00 | 51.63 |
| | ULTRA-LIFE LABORATORIES, INC., East St. Louis, Ill. | | | |
| 2416 | Ultra-Lifed Calf Food Pellets Medicated | 9.97 | 24.00 | 26.13 |

indicates deficiencies.

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|-----------|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 0.50 | 1.75 | 10.00 | 7.85 | |
| 0.50 | 2.14 | 10.00 | 7.71 | |
| 0.50 | 0.81 | 7.00 | 5.00 | |
| 0.50 | 2.29 | 7.00 | 5.15 | |
| 2.50 | 1.72 | 15.75 | 13.68 | |
| 3.00 | 3.31 | 15.75 | 12.58 | |
| 3.00 | 3.31 | 11.00 | 5.09 | |
| 3.50 | 4.19 | 9.50 | 7.91 | |
| 0.50 | 0.82 | 7.00 | 2.48 | |
| 0.50 | 0.99 | 3.00 | 2.85 | |
| 3.00 | 3.03 | 7.00 | 5.94 | |

| 116 | | Connecticut Experiment Station | | Bulletin 645 | |
|--|--|--------------------------------|--------------------------|--------------|--|
| TABLE 1. ANALYSES OF COMMERCIAL FEEDS | | | | | |
| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | | |
| | | | Guaranteed not less than | Found | |
| 2400 | 34% Protein Solvent Extracted Linseed Oil Meal | 12.32 | 34.00 | 35.75 | |
| 2402 | Ultra Brand Poul-Centrare | 10.77 | 16.50 | 20.00 | |
| 3121 | Ultra-Life Broiler-Gro Medicated | 10.84 | 25.00 | 29.38 | |
| 1614 | Ultra-Life High Energy Poultry | 11.21 | 20.00 | 22.75 | |
| 2417 | Ultra-Life Livestock | 8.30 | 24.00 | 26.75 | |
| UNITED CO-OPERATIVE FARMERS, INC. Fitchburg, Mass. | | | | | |
| 2459 | UCF Booster NF 100 Medicated | 10.75 | 17.00 | 17.88 | |
| 2117 | UCF 16% Dairy | 11.57 | 16.00 | 16.88 | |
| 2114 | UCF 16% Dairy Coarse | 11.74 | 16.00 | 17.50 | |
| 2144 | UCF 18% Dairy | 11.43 | 18.00 | 20.00 | |
| 2115 | UCF 20% Dairy | 11.71 | 20.00 | 20.00 | |
| 2116 | UCF Fitting Ration | 12.09 | 14.00 | 15.88 | |
| 2562 | UCF Hi NRG All Mash Grower | 12.33 | 16.00 | 16.00 | |
| 2113 | UCF Hi NRG All Mash Layer | 11.39 | 16.50 | 17.63 | |
| 2762 | UCF Hi NRG Starter Medicated | 11.42 | 20.00 | 21.50 | |
| 2142 | UCF Horse Feed | 12.74 | 9.00 | 11.75 | |
| 2112 | UCF Layer | 11.83 | 20.00 | 20.63 | |
| 2589 | UCF Medicated Booster 100 | 11.51 | 17.00 | 17.00 | |
| UNITY FEEDS INC. Boston, Mass. | | | | | |
| 2118 | UCF Medicated Booster 200 | 11.47 | 17.00 | 18.00 | |
| 2137 | UCF Milk Replacer | 8.94 | 20.00 | 20.75 | |
| 2143 | UCF Pig & Hog Feed | 10.97 | 20.00 | 21.38 | |
| 2563 | UCF Succulent Dairy | 10.85 | 9.00 | 11.00 | |
| 2263 | Unity Dairy & Fitting Ration | 12.75 | 14.00 | 14.38 | |
| 2264 | Unity 16% Dairy Ration | 12.69 | 16.00 | 18.25 | |
| 2265 | Unity Growing & Laying Mash | 11.52 | 20.00 | 20.00 | |

| Analyses | | | | | 117 |
|--------------------------|-------------|--------------------------|-------|---|-----|
| INSPECTION OF 1960 | | | | | |
| Fat | | Fiber | | Medicants | |
| Guaranteed not less than | Found | Guaranteed not more than | | | |
| 0.50 | 1.39 | 10.00 | 8.21 | | |
| 5.50 | 6.16 | 5.00 | 4.34 | | |
| 5.00 | 4.93 | 7.00 | 5.76 | 3-Nitro-4-hydroxyphenyl-
arsonic acid:Guar., 0.4%;
found, 0.162%. | |
| 7.00 | 6.69 | 5.50 | 5.05 | | |
| 1.00 | <u>0.74</u> | 5.50 | 3.61 | | |
| 4.00 | 4.59 | 4.50 | 3.03 | Furazolidone:Guar., 0.011%;
found, 0.0124%. | |
| 3.00 | 3.93 | 9.00 | 7.03 | | |
| 3.00 | 3.31 | 9.00 | 6.83 | | |
| 3.00 | 3.34 | 9.00 | 6.89 | | |
| 3.00 | 3.31 | 9.00 | 6.99 | | |
| 3.00 | 3.71 | 9.00 | 6.81 | | |
| 4.00 | 4.04 | 4.00 | 3.35 | | |
| 4.50 | 5.13 | 3.50 | 1.98 | | |
| 4.00 | 3.98 | 4.00 | 3.91 | Sulfaquinoxaline:Guar., 0.0150%;
found, 0.0144%. | |
| 3.00 | 3.40 | 9.00 | 4.33 | | |
| 5.00 | 5.34 | 5.00 | 4.03 | | |
| 4.00 | 5.37 | 4.50 | 2.74 | Bifuran:Guar., 0.0063%;
found, 0.0096%. Chlortetra-
cycline hydrochloride:Guar.,
0.025 gm/lb.; not determined.
Bacitracin:Guar., 0.025 gm/lb.;
not determined. | |
| 4.00 | 5.09 | 4.50 | 3.01 | | |
| 2.00 | 2.63 | 2.00 | 2.46 | Chlortetracycline hydrochloride:
Guar., 0.1 gm/lb.; not determined | |
| 3.00 | 3.09 | 7.00 | 5.50 | | |
| 2.00 | 3.29 | 17.00 | 13.11 | | |
| 3.50 | 3.89 | 9.00 | 6.95 | | |
| 3.50 | 3.58 | 9.00 | 6.49 | | |
| 3.00 | 3.66 | 6.00 | 5.50 | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-
ure | Protein
(N x 6.25) | |
|-------------|--|---------------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 1961 | Unity High Energy Breeder Mash | 11.63 | 16.00 | 16.75 |
| 2266 | Unity High Energy Laying Mash | 11.60 | 15.00 | 15.75 |
| 2469 | Unity Medicated Booster | 11.22 | 20.00 | 21.25 |
| 2646 | Unity Medicated Hen-Biotic | 10.29 | 16.00 | 16.00 |
| 2262 | Unity Milkets | 11.88 | 16.00 | 17.75 |
| 2983 | Unity Super Starter Medicated | 11.35 | 20.00 | 20.00 |
| 3120 | Unity Trim Medicated | 11.75 | 15.50 | 16.00 |
| 2267 | Unity Turkey & Game Bird
Growing Mash | 11.59 | 20.00 | 20.50 |
| 1870 | UNIVERSAL GRAIN CO. of
N. J., Newark, N. J.
Superior Cow Brand Brewers
Dried Grains | 7.98 | 26.00 | 28.50 |
| 1927 | WATERTOWN CO-OPERATIVE
ASS'N. INC., Watertown, Conn.
Watertown Co-op 16% Dairy
Feed | 11.98 | 16.00 | 16.50 |
| 2204 | Watertown Co-op 16% Dairy
Feed | 11.33 | 16.00 | 16.63 |
| 1952 | H. K. WEBSTER CO.
Lawrence, Mass.
Blue Seal All-Mash Breeder's
Ration | 11.98 | 16.00 | 16.00 |
| 1548 | Blue Seal All-Mash Egg Ration | 13.43 | 16.00 | 17.25 |
| 2774 | Blue Seal All-Mash Egg Ration
Medicated | 12.06 | 16.00 | 16.00 |
| 2775 | Blue Seal All-Mash Grow &
Lay Medicated | 10.69 | 16.00 | 16.00 |
| 1627 | Blue Seal All-Mash Growing
Ration | 12.92 | 16.00 | 16.63 |
| 2711 | Blue Seal All-Mash Growing
Ration Medicated | 11.99 | 16.00 | 16.50 |

indicates deficiencies

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | | |
| 3.00 | 5.44 | 4.00 | 3.08 | Chlortetracycline hydrochloride: Guar., 200 gm/ton; not determined.
Terramycin hydrochloride: Guar., 200 gm/ton; not determined.
Nicarbazin: Guar., 0.010%; found, 0.0120%.
3-Nitro-4-hydroxyphenylarsonic acid: Guar., 0.005%; found, 0.0047%. |
| 3.50 | 3.96 | 4.00 | 3.71 | |
| 3.00 | 5.01 | 4.50 | 2.31 | |
| 3.00 | 4.78 | 4.00 | 3.08 | |
| 3.50 | 4.74 | 9.00 | 7.49 | |
| 3.00 | 4.25 | 4.00 | 2.46 | |
| 3.00 | 4.00 | 6.00 | 3.71 | |
| 3.00 | 3.81 | 5.00 | 3.54 | |
| 6.00 | 5.91 | 17.00 | 12.36 | |
| 4.00 | 4.40 | 9.00 | 6.74 | |
| 4.00 | 5.64 | 9.00 | 6.68 | |
| 3.50 | 4.73 | 3.50 | 2.88 | Arsanilic acid: Guar., 0.01%; found, 0.0115%.
Arsanilic acid: Guar., 0.01%; found, 0.0112%. |
| 4.00 | 4.36 | 3.50 | 3.02 | |
| 4.00 | 4.01 | 3.50 | 2.49 | |
| 4.00 | 4.09 | 4.50 | 3.52 | |
| 3.00 | 3.94 | 3.50 | 3.50 | |
| 3.00 | 4.51 | 3.50 | 2.85 | |
| | | | | Sulfaquinoxaline: Guar., 0.0175%; found, 0.0175%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-ure | Protein
(N x 6.25) | |
|-------------|--|-----------|-------------------------------------|--------------|
| | | | Guaran-
teed not
less
than | Found |
| 2767 | Blue Seal All-Mash Growing Ration SQ Medicated | 11.54 | 16.00 | 16.38 |
| 3020 | Blue Seal B-4 Broiler Medicated | 10.01 | 23.00 | <u>21.75</u> |
| 2138 | Blue Seal Calf Starter | 11.49 | 19.00 | 19.13 |
| 2287 | Blue Seal Chick Feed | 13.64 | 10.00 | 10.50 |
| 2766 | Blue Seal Chick Starter Medicated | 10.81 | 20.00 | 20.25 |
| 1543 | Blue Seal Coarse 16 Dairy Ration | 12.85 | 16.00 | 17.25 |
| 2078 | Blue Seal Coarse 20 Dairy Ration | 11.19 | 20.00 | 20.50 |
| 1544 | Blue Seal Egg Mash | 12.87 | 20.00 | 20.13 |
| 2081 | Blue Seal Fat & Finish Ration | 11.12 | 18.00 | 18.75 |
| 3021 | Blue Seal B-5 Finisher Medicated | 9.71 | 20.00 | 20.50 |
| 1331 | Blue Seal Fitting Ration | 13.84 | 14.00 | 15.88 |
| 2237 | Blue Seal Goat Feed | 11.03 | 16.00 | 16.00 |
| 2197 | Blue Seal Horse Feed | 12.98 | 10.00 | 12.25 |
| 2588 | Blue Seal Medicated NF-Mix | 11.11 | 20.00 | 20.13 |
| 2569 | Blue Seal Medicated ORO Mix | 10.50 | 20.00 | 21.13 |
| 1542 | Blue Seal Milkers' Sixteen | 12.66 | 16.00 | 16.63 |
| 2835 | Blue Seal Pig Feed Medicated | 11.82 | 15.00 | 15.75 |
| 2285 | Blue Seal Producer's Grow & Lay | 10.74 | 20.00 | 21.63 |
| 2809 | Blue Seal Rabbit Pellets Medicated | 10.70 | 20.00 | 20.63 |
| 2288 | Blue Seal Standard "14" Fitting Ration | 11.66 | 14.00 | 15.88 |
| 2082 | Blue Seal Standard Dairy Ration | 11.52 | 16.00 | 16.88 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|-------------------------------------|-------|-------------------------------------|-------|--|
| Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 4.00 | 4.39 | 3.50 | 3.45 | Sulfaquinoxaline:Guar., 0.0175%;
found, 0.0151%. Arsanilic
acid:Guar., 0.01%; found,
<u>0.0145%</u> . |
| 4.50 | 5.38 | 3.00 | 2.72 | Nicarbazin:Guar., 0.0125%;
found, 0.0132%. Arsanilic
acid:Guar., 0.01%; found,
0.0118%. |
| 3.00 | 3.41 | 8.00 | 6.50 | |
| 3.50 | 2.50 | 4.00 | 1.37 | |
| 3.50 | 4.29 | 4.50 | 3.78 | Sulfaquinoxaline:Guar., 0.0175%;
found, <u>0.0011%</u> . Arsanilic
acid:Guar., 0.01%; found
0.0118%. |
| 3.00 | 3.98 | 8.50 | 8.00 | |
| 3.00 | 4.23 | 8.00 | 6.96 | |
| 3.50 | 3.54 | 3.50 | 3.42 | |
| 4.50 | 4.54 | 3.50 | 2.80 | |
| 4.50 | 6.94 | 3.00 | 2.65 | Nicarbazin:Guar., 0.0125%;
found, 0.0134%. Arsanilic
acid:Guar., 0.01%; found,
0.0117%. |
| 3.00 | 4.62 | 9.00 | 7.50 | |
| 3.50 | 4.18 | 9.00 | 7.80 | |
| 3.00 | 3.46 | 9.00 | 6.31 | |
| 3.50 | 4.18 | 3.50 | 2.82 | Furazolidone:Guar., 0.022%;
found, 0.0224%. |
| 3.50 | 3.76 | 3.50 | 3.01 | Chlortetracycline hydrochlo-
ride:Guar., 0.1 gm/lb.; not
determined. |
| 3.00 | 3.98 | 8.50 | 7.45 | |
| 4.00 | 4.04 | 6.00 | 4.07 | Arsanilic acid:Guar., 0.01%;
found, 0.0112%. |
| 3.50 | 3.61 | 6.00 | 4.61 | |
| 3.00 | 3.20 | 12.00 | 8.05 | Arsanilic acid:Guar., 0.01%;
found, 0.0109%. |
| 3.50 | 3.63 | 9.00 | 7.45 | |
| 3.50 | 4.22 | 8.50 | 7.78 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|--------------|
| | | | Guaranteed not less than | Found |
| 1626 | Blue Seal Standard 20 Dairy Ration | 12.25 | 20.00 | 20.13 |
| 1414 | Blue Seal Succulent Feed & Calving Ration | 13.84 | 12.00 | 12.38 |
| 2139 | Blue Seal Super Breeder's Mash | 11.32 | 20.00 | 21.38 |
| 1899 | Blue Seal Test Ration | 11.31 | 18.00 | 18.25 |
| 2080 | Blue Seal Turkey Growing | 10.78 | 20.00 | 20.63 |
| 2444 | Blue Seal Turkey Growing Medicated | 10.82 | 20.00 | 20.75 |
| | WEST-NESBITT, INC.
Oneonta, N. Y. | | | |
| 1519 | All Pure Milk Ration | 12.15 | 20.00 | 21.75 |
| 1522 | Cream-Line Dairy-Test Ration | 12.80 | 18.00 | 18.25 |
| 2988 | Pure Feed Broiler Finisher Medicated | 10.66 | 19.50 | 20.25 |
| 3027 | Pure Feed Broiler Starter Medicated | 10.69 | 22.00 | 23.63 |
| 2189 | Pure Feed Complete Grower | 11.51 | 14.00 | 14.88 |
| 1407 | Pure Feed Complete Layer | 12.87 | 17.00 | 18.25 |
| 1406 | Pure Feed Complete Rabbit Pellets | 12.32 | 16.00 | 17.50 |
| 1520 | Pure Feed Egg & Breeder | 11.34 | 22.00 | 22.38 |
| 1405 | Pure Feed Egg Maker | 12.65 | 20.00 | 20.00 |
| 1521 | Pure Feed 14% Fitting Ration | 13.96 | 14.00 | 15.50 |
| 2190 | Pure Feed Grower | 11.51 | 18.00 | 18.00 |
| 2188 | Pure Feed Horse Ration | 12.51 | 9.00 | 10.88 |
| 2591 | Pure Feed Starter-Medicated | 11.17 | 20.00 | 20.63 |
| 1523 | Pure Feed Turkey Finisher | 12.09 | 16.00 | 16.50 |
| 1524 | Pure Feed Turkey Grower | 12.21 | 20.00 | 20.50 |
| 2715 | Pure Feed Turkey Starter Medicated | 10.64 | 28.00 | <u>27.00</u> |
| 2191 | West-Nesbitt Milk Replacer | 4.27 | 21.00 | 22.50 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.00 | 3.73 | 8.00 | 7.41 | |
| 2.00 | 3.02 | 16.00 | 14.29 | |
| 4.00 | 3.93 | 3.50 | 2.52 | |
| 3.00 | 4.08 | 8.50 | 7.32 | |
| 4.50 | 5.10 | 4.00 | 2.84 | |
| 4.50 | 4.68 | 4.00 | 2.98 | 4-Nitrophenylarsonic acid:
Guar., 0.025%; found <u>0.0175%</u> . |
| 3.50 | 3.50 | 10.00 | 6.48 | |
| 3.50 | 4.36 | 8.50 | 6.32 | |
| 3.50 | 3.44 | 4.00 | 3.06 | Nicarbazin: Guar., 0.0125%;
found, 0.0130%. Arsanilic
acid: Guar., 0.0095%; found,
0.0081%. |
| 3.50 | 3.31 | 4.00 | 3.07 | Nicarbazin: Guar., 0.0125%;
found, 0.0148%. Arsanilic
acid: Guar., 0.0095%; found,
0.0081%. |
| 3.00 | 4.26 | 8.00 | 4.66 | |
| 3.00 | 4.06 | 4.50 | 3.26 | |
| 3.00 | 4.44 | 15.00 | 8.64 | |
| 3.00 | 4.89 | 5.00 | 3.99 | |
| 3.00 | 3.81 | 6.50 | 4.10 | |
| 3.50 | 3.87 | 8.50 | 5.61 | |
| 3.00 | 4.66 | 5.00 | 3.91 | |
| 3.00 | 2.51 | 11.00 | 6.53 | |
| 3.00 | <u>4.00</u> | 5.00 | 3.11 | Glycarblymide: Guar., 0.003%;
found, 0.0032%. |
| 3.00 | 4.69 | 6.00 | 4.90 | |
| 3.00 | 3.88 | 5.00 | 4.00 | |
| 3.00 | 3.70 | 5.50 | 3.07 | Sulfaquinoxaline: Guar., 0.0175%;
found, 0.0160%. |
| 8.50 | 8.61 | 0.50 | 0.28 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moist-ure | Protein
(N x 6.25) | |
|-------------|---|-----------|-------------------------------------|-------|
| | | | Guaran-
teed not
less
than | Found |
| 2299 | A. C. WETHERELL
Suffield, Conn.
Special Dairy Mixture No. 3 | 12.61 | 16.00 | 16.00 |
| 1801 | WHITMOYER LABORATORIES
INC., Myerstown, Pa.
Flav-A-Dee | 8.77 | 38.00 | 41.50 |
| 2475 | WILKINS-ROGERS MILLING
CO., INC., Washington, D. C.
Pure Wheat Bran | 11.26 | 14.00 | 14.50 |
| 1319 | WILSON'S CORN PRODUCTS,
INC., Rochester, Ind.
Wilson Hominy Feed | 15.58 | 9.50 | 10.13 |
| 1421 | WIRTHMORE FEEDS INC.
Waltham, Mass.
Apex 16% Dairy Feed | 14.22 | 16.00 | 17.25 |
| 1982 | Big W 16 Dairy Feed | 12.54 | 16.00 | 16.50 |
| 1401 | Davis Horse Feed | 15.97 | 9.50 | 10.00 |
| 2430 | O. P. M. Scratch | 12.81 | 9.00 | 9.00 |
| 2083 | Wirthmore All Pellet 16% Dairy
Feed | 10.50 | 16.00 | 18.38 |
| 1928 | Wirthmore All-Pellet 20% Dairy
Feed | 11.28 | 20.00 | 21.00 |
| 2564 | Wirthmore Breeder Mash | 11.39 | 20.00 | 21.00 |
| 3030 | Wirthmore Broiler Starter 410
Medicated | 10.36 | 25.00 | 25.00 |
| 2203 | Wirthmore Calf Starter Meal | 10.27 | 22.00 | 23.13 |
| 1427 | Wirthmore Calving Feed | 14.24 | 14.00 | 15.00 |
| 2205 | Wirthmore Chick Starter | 11.15 | 20.00 | 21.75 |
| 2714 | Wirthmore Chick Starter 400
Medicated | 11.47 | 20.00 | 20.00 |

in winter deficiencies

| Analyses | | | | | 125 | | |
|--------------------|---|-----------|-------------------------------------|-------|-------------------------------------|-------|---|
| INSPECTION OF 1960 | | | | | | | |
| Station No. | Manufacturer and brand | Moist-ure | Fat | | Fiber | | Medicants |
| | | | Guaran-
teed not
less
than | Found | Guaran-
teed not
more
than | Found | |
| 2299 | A. C. WETHERELL
Suffield, Conn.
Special Dairy Mixture No. 3 | 12.61 | 3.50 | 3.16 | 9.00 | 6.96 | |
| 1801 | WHITMOYER LABORATORIES
INC., Myerstown, Pa.
Flav-A-Dee | 8.77 | 9.00 | 10.68 | 5.00 | 3.49 | |
| 2475 | WILKINS-ROGERS MILLING
CO., INC., Washington, D. C.
Pure Wheat Bran | 11.26 | 3.00 | 4.14 | 10.00 | 8.40 | |
| 1319 | WILSON'S CORN PRODUCTS,
INC., Rochester, Ind.
Wilson Hominy Feed | 15.58 | 6.50 | 6.25 | 6.00 | 4.46 | |
| 1421 | WIRTHMORE FEEDS INC.
Waltham, Mass.
Apex 16% Dairy Feed | 14.22 | 3.00 | 3.70 | 9.00 | 2.07 | |
| 1982 | Big W 16 Dairy Feed | 12.54 | 3.00 | 3.28 | 10.00 | 7.56 | |
| 1401 | Davis Horse Feed | 15.97 | 2.50 | 2.65 | 11.00 | 8.04 | |
| 2430 | O. P. M. Scratch | 12.81 | 3.00 | 4.06 | 5.00 | 2.33 | |
| 2083 | Wirthmore All Pellet 16% Dairy
Feed | 10.50 | 4.00 | 5.79 | 9.00 | 7.40 | |
| 1928 | Wirthmore All-Pellet 20% Dairy
Feed | 11.28 | 4.00 | 3.84 | 9.00 | 5.52 | |
| 2564 | Wirthmore Breeder Mash | 11.39 | 3.50 | 4.97 | 5.50 | 4.85 | |
| 3030 | Wirthmore Broiler Starter 410
Medicated | 10.36 | 8.00 | 7.28 | 3.50 | 3.02 | Nicarbazin:Guar., 0.0125%;
found, 0.0144%. Sodium arsan-
ilate:Guar., 0.0088%; found,
0.0084%. |
| 2203 | Wirthmore Calf Starter Meal | 10.27 | 4.00 | 4.49 | 7.00 | 4.62 | |
| 1427 | Wirthmore Calving Feed | 14.24 | 3.50 | 3.31 | 9.00 | 5.31 | |
| 2205 | Wirthmore Chick Starter | 11.15 | 4.00 | 4.19 | 5.00 | 4.77 | |
| 2714 | Wirthmore Chick Starter 400
Medicated | 11.47 | 4.00 | 4.91 | 5.00 | 4.34 | Sulfaquinoxaline:Guar.,
0.0175%; found, 0.0180%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2597 | Wirthmore Chick Starter 417 Medicated | 12.17 | 20.00 | 20.00 |
| 2207 | Wirthmore Coarse Test Dairy Feed | 12.31 | 16.00 | 18.38 |
| 488 | Wirthmore Coccidiosis Treatment Ration 411 | 12.01 | 22.00 | 21.25 |
| 2765 | Wirthmore Coccidiosis Treatment Ration 411 | 10.30 | 22.00 | 22.00 |
| 2565 | Wirthmore Commercial Grower-Layer | 11.84 | 16.00 | 17.00 |
| 3032 | Wirthmore Commercial Hi Calorie Broiler Starter 610 Medicated | 9.70 | 25.00 | 25.00 |
| 3031 | Wirthmore Commercial Hi-Ener-G Broiler Ration 613 Medicated | 11.69 | 22.00 | 23.13 |
| 1425 | Wirthmore Complete Breeder-Layer A | 12.78 | 16.00 | 17.88 |
| 1703 | Wirthmore Complete Egg Ration | 17.23 | 16.00 | 16.50 |
| 2712 | Wirthmore Complete Egg Ration 412 Medicated | 10.91 | 16.00 | 18.25 |
| 1517 | Wirthmore Complete Growing Ration | 11.25 | 13.50 | 15.88 |
| 2723 | Wirthmore Complete Growing Ration 409 Medicated | 10.51 | 13.50 | 14.25 |
| 1824 | Wirthmore Complete Turkey Fattening Ration | 12.41 | 15.00 | 15.38 |
| 1516 | Wirthmore Complete Turkey Growing Ration | 12.62 | 18.00 | 19.00 |
| 3124 | Wirthmore Complete Turkey Growing Ration 442 Medicated | 11.88 | 18.00 | 19.00 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 4.00 | 4.41 | 5.00 | 3.37 | Bithionol:Guar., 0.05%; found, 0.041%. Methiotriazine:Guar., 0.01%; not determined |
| 4.00 | 4.01 | 8.00 | 6.94 | |
| 5.50 | 5.56 | 4.00 | 2.92 | Sulfaquinoxaline:Guar., 0.05%; found, 0.0262%. |
| 5.50 | 5.49 | 4.00 | 3.96 | Sulfaquinoxaline:Guar., 0.05%; found, 0.042%. |
| 3.50 | <u>3.24</u> | 4.50 | 3.73 | |
| 8.00 | <u>5.92</u> | 3.00 | 2.90 | Nicarbazin:Guar., 0.0125%; found, 0.0150%. Sodium arsanilate:Guar., 0.0088%; found, 0.0085%. |
| 5.50 | 5.46 | 3.50 | 2.68 | Nicarbazin:Guar., 0.0125%; found, 0.0116%. Sodium arsanilate:Guar., 0.0088%; found 0.0081%. |
| 3.50 | 4.21 | 5.00 | 3.84 | |
| 3.50 | 3.73 | 4.50 | 4.43 | |
| 3.50 | 4.03 | 4.50 | 4.12 | Sulfaquinoxaline:Guar., 0.0125%; found 0.0145%. |
| 3.00 | 3.97 | 7.00 | 5.33 | |
| 3.00 | 3.16 | 7.00 | 5.97 | Sulfaquinoxaline:Guar., 0.0125%; found, 0.0259%. |
| 3.00 | 4.45 | 5.00 | 3.85 | |
| 3.00 | 4.23 | 5.50 | 4.61 | |
| 3.00 | 4.25 | 5.50 | 4.74 | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0175%. |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1723 | Wirthmore 14 Dairy Feed | 12.98 | 14.00 | 15.00 |
| 1426 | Wirthmore 16 Dairy Feed | 14.04 | 16.00 | 16.25 |
| 1929 | Wirthmore 20 Dairy Feed | 12.86 | 20.00 | 23.00 |
| 2206 | Wirthmore 36% Dairy Mixing Feed | 10.52 | 36.00 | 39.25 |
| 1404 | Wirthmore Dairy Record Feed | 14.38 | 16.00 | 18.75 |
| 3029 | Wirthmore .007 Dienestrol Diacetate Mixture in Wirthmore Finisher Medicated | 11.17 | 17.00 | 19.00 |
| 1518 | Wirthmore Fodder Greens | 8.00 | 10.00 | 9.00 |
| 1736 | Wirthmore Grow & Egg Mash | 11.49 | 20.00 | 20.25 |
| 2842 | Wirthmore Hi-Ener-G Breeder Medicated | 11.59 | 16.00 | 18.13 |
| 2566 | Wirthmore Hi-Ener-G Broiler Ration 614 | 11.14 | 22.00 | 22.38 |
| 2841 | Wirthmore Hi-Ener-G Layer Medicated 454 | 11.16 | 16.00 | 17.50 |
| 1721 | Wirthmore Hi-Energy Layer 129 | 12.86 | 16.00 | 16.88 |
| 1930 | Wirthmore Hog Grower | 12.58 | 15.00 | 16.63 |
| 1735 | Wirthmore Horse Feed | 12.50 | 10.00 | 11.75 |
| 3028 | Wirthmore Improved Hi-Ener-G Broiler Ration 414 Medicated | 11.11 | 22.00 | 24.13 |
| 1402 | Wirthmore Meatless Mink Food | 11.86 | 12.00 | 15.38 |
| 2085 | Wirthmore Medicated Quickies | 11.04 | 20.00 | 20.00 |
| 2084 | Wirthmore Medicated Quick Perk | 11.21 | 20.00 | 21.00 |
| 172 | Wirthmore Medicated Treat 431 | 11.62 | 20.00 | 21.63 |
| 2298 | Wirthmore Milk Mizer | 8.83 | 28.00 | 30.00 |
| 1403 | Wirthmore Mink Food | 11.69 | 23.00 | 26.88 |
| 1821 | Wirthmore New Hope Horse Feed | 12.79 | 12.00 | 15.13 |
| 1974 | Wirthmore Pig & Sow Feed | 11.06 | 17.00 | 17.00 |
| 2467 | Wirthmore Poultry Fitting | 14.24 | 11.50 | 11.50 |
| 1734 | Wirthmore Rabbit Pellets | 11.26 | 17.00 | 17.88 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|--|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.79 | 9.00 | 7.48 | |
| 3.50 | 3.29 | 9.00 | 6.22 | |
| 3.50 | 4.01 | 9.00 | 6.05 | |
| 2.00 | 2.16 | 9.00 | 7.40 | |
| 3.50 | 3.70 | 8.50 | 6.04 | |
| 4.00 | 5.09 | 4.50 | 2.78 | Nicarbazin:Guar., 0.0125%; found, 0.0176%. Sodium arsanilate:Guar., 0.0088%; found, 0.0091%. Dienestrol diacetate:Guar., 0.007%; not determined. |
| 2.00 | 3.04 | 20.00 | 12.57 | |
| 4.00 | 4.59 | 5.00 | 4.72 | |
| 4.00 | 4.16 | 4.50 | 3.95 | |
| 5.50 | 6.31 | 3.50 | 3.12 | |
| 4.50 | 4.41 | 4.50 | 3.62 | |
| 4.50 | 4.63 | 4.50 | 3.91 | |
| 4.00 | 4.97 | 6.00 | 4.58 | |
| 3.50 | 3.51 | 9.00 | 5.59 | |
| 5.50 | 6.82 | 3.50 | 3.49 | |
| 6.00 | 7.89 | 5.00 | 2.84 | Sodium arsanilate:Guar., 0.0088%; found, 0.0086%. |
| 3.50 | 4.49 | 4.50 | 3.79 | |
| 4.00 | 6.20 | 5.00 | 3.96 | Chlortetracycline hydrochloride:Guar., 0.1 gm/lb.; not determined. |
| 3.50 | 5.40 | 4.50 | 3.78 | |
| 4.00 | 4.98 | 2.25 | 1.46 | Furazolidone:Guar., 0.022%; found, 0.0180%. |
| 7.00 | 9.26 | 4.00 | 2.95 | |
| 3.50 | 3.59 | 6.00 | 4.39 | |
| 3.50 | 4.09 | 6.00 | 5.10 | |
| 2.50 | 2.88 | 6.50 | 4.00 | |
| 3.00 | 3.09 | 11.00 | 10.58 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein (N x 6.25) | |
|---|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1822 | Wirthmore 14 Record Fitting Feed | 13.17 | 14.00 | 14.88 |
| 1722 | Wirthmore Scratch | 14.02 | 9.00 | 9.25 |
| 1823 | Wirthmore Stock Primer | 12.94 | 15.00 | 16.63 |
| 1872 | Wirthmore Turkey Growing Ration | 10.57 | 23.00 | 23.00 |
| 3125 | Wirthmore Turkey Growing Ration 441 Medicated | 10.99 | 23.00 | 25.00 |
| 2710 | Wirthmore Turkey Starter 419 Medicated | 11.08 | 28.00 | 29.38 |
| 2201 | Wirthmore Twin-Mix Calf Feed | 12.32 | 18.00 | 21.88 |
| YANTIC GRAIN & PRODUCTS CO., Norwich, Conn. | | | | |
| 2254 | Big Y Calf & Beef Ration | 13.40 | 10.00 | 12.50 |
| 558 | Big Y Calf Starter & Builder | 12.46 | 17.00 | 18.63 |
| 2495 | Big Y Calving Ration | 11.19 | 14.00 | 14.25 |
| 2308 | Big Y Chick Scratch Grain | 13.27 | 10.00 | 10.63 |
| 1689 | Big Y Chlortetracycline (Aureomycin) Mixture | 13.56 | 15.00 | 16.75 |
| 1995 | Big Y Confinement Growing Mash | 11.55 | 15.00 | 18.13 |
| 1820 | Big Y Controlled Growing Ration | 11.42 | 15.00 | 15.13 |
| 1785 | Big Y Dairy & Fitting Ration | 14.36 | 14.00 | 16.38 |
| 1993 | Big Y Dairy & Fitting Ration | 12.27 | 14.00 | 14.88 |
| 1814 | Big Y 16% Dairy Ration | 13.52 | 16.00 | 16.00 |
| 1690 | Big Y 16% Dairy Ration Extra-M | 12.84 | 16.00 | 18.13 |
| 2307 | Big Y 16% Dairy Ration Medicated | 10.89 | 16.00 | 18.88 |
| 1983 | Big Y Dairy Ration 18% | 12.64 | 18.00 | 19.13 |
| 1987 | Big Y 20% Dairy Ration | 13.08 | 20.00 | 20.50 |
| 1702 | Big Y Dairy Ration Purity | 12.53 | 16.00 | 17.00 |
| 1692 | Big Y Energized 16 Dairy Feed | 13.11 | 16.00 | 17.25 |
| 2810 | Big Y Extra Production Laying Mash Medicated | 11.33 | 16.00 | 16.00 |
| 1701 | Big Y Hi-Efficiency Laying Mash | 12.25 | 16.00 | 16.63 |

Analyses 131

INSPECTION OF 1960

| Station No. | Fat | | Fiber | | Medicants |
|-------------|--------------------------|-------|--------------------------|---|-----------|
| | Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.68 | 8.00 | 4.93 | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0118%.

Sulfaquinolaxaline: Guar., 0.0175%; found, 0.0168%.

Chlortetracycline hydrochloride: Guar., 100 grams/ton; not determined.

Chlortetracycline hydrochloride: Guar., 200 grams/ton; not determined.

Arsanilic acid: Guar., 0.01%; found, 0.0118%. | |
| 2.50 | 4.33 | 4.00 | 3.50 | | |
| 3.00 | 3.04 | 10.00 | 5.88 | | |
| 3.50 | 4.69 | 6.00 | 5.73 | | |
| 3.50 | 4.78 | 6.00 | 5.13 | | |
| 4.00 | 4.24 | 5.50 | 4.40 | | |
| 3.00 | 3.30 | 8.00 | 5.50 | | |
| 3.00 | 4.08 | 9.00 | 4.92 | | |
| 2.50 | 2.08 | 7.50 | 4.90 | | |
| 3.50 | 3.44 | 11.00 | 8.77 | | |
| 2.00 | 2.81 | 4.00 | 1.17 | | |
| 3.50 | 4.13 | 5.00 | 4.83 | | |
| 3.50 | 4.44 | 5.00 | 3.50 | | |
| 3.00 | 3.43 | 10.00 | 9.15 | | |
| 3.50 | 3.52 | 9.00 | 6.09 | | |
| 3.50 | 4.01 | 9.00 | 8.59 | | |
| 3.50 | 3.88 | 8.50 | 5.98 | | |
| 3.50 | 4.58 | 8.50 | 7.46 | | |
| 3.50 | 3.45 | 8.50 | 7.83 | | |
| 3.00 | 3.58 | 9.00 | 6.85 | | |
| 3.00 | 3.40 | 9.00 | 7.14 | | |
| 3.50 | 4.09 | 9.00 | 6.76 | | |
| 5.00 | 5.38 | 6.50 | 6.09 | | |
| 4.00 | 4.39 | 5.00 | 4.24 | | |
| 3.50 | 5.08 | 4.00 | 3.62 | | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|---|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 2587 | Big Y Hi Efficiency Laying Mash | 11.59 | 16.00 | 16.00 |
| 1786 | Hi-G-Dairy Ration | 12.81 | 16.00 | 17.13 |
| 2275 | Hi-G Scratch Feed | 12.51 | 9.00 | 9.63 |
| 1994 | Big Y High Efficiency Grower | 11.57 | 15.00 | 16.88 |
| 2722 | Big Y High Efficiency Grower Medicated | 11.26 | 15.00 | 16.63 |
| 2256 | Big Y Hog & Pig Ration | 11.33 | 17.00 | 17.38 |
| 1699 | Big Y Horse Feed | 13.80 | 10.00 | 12.13 |
| 2255 | Big Y Improved Al-Mo | 12.02 | 10.00 | 11.63 |
| 1784 | Big Y Improved Broiler Finisher | 13.00 | 19.00 | 19.13 |
| 3022 | Big Y Improved Broiler Finisher Medicated | 10.71 | 19.00 | 20.63 |
| 2991 | Big Y Improved Broiler & Starter Ration Medicated | 10.24 | 21.00 | 21.00 |
| 2493 | Big Y Intermediate Chick Grain | 12.78 | 10.00 | 11.50 |
| 1986 | Big Y 20% Laying Mash | 10.93 | 20.00 | 21.13 |
| 2306 | Big Y M & O Growing Feed | 11.21 | 18.00 | 18.00 |
| 3023 | Big Y Peerless Broiler & Starter Ration Medicated | 10.30 | 23.00 | 23.13 |
| 2494 | Big Y Poultry Fitting Ration | 13.71 | 10.00 | 12.00 |
| 2457 | Big Y Powerhouse Crumbles Medicated | 11.02 | 20.00 | 22.13 |
| 2305 | Big Y Rabbit Pellets | 11.56 | 16.00 | 17.88 |
| 2721 | Big Y Rabbit Pellets SQ Medicated | 10.55 | 16.00 | 17.00 |
| 1700 | Big Y Scratch Feed | 14.31 | 9.00 | 11.13 |
| 2492 | Big Y Sheep & Goat Feed | 11.87 | 16.00 | 17.63 |
| 1819 | Big Y Station Fattener Pellets | 11.25 | 12.00 | 12.50 |
| 2498 | Big Y Stock Feed | 10.27 | 9.00 | 9.00 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 3.56 | 4.00 | 2.42 | Nitrofurazone:Guar., 0.011%; found, 0.0129%. |
| 3.00 | 4.29 | 11.00 | 8.16 | |
| 2.00 | 3.06 | 5.00 | 4.60 | |
| 3.50 | 4.73 | 5.00 | 4.00 | |
| 3.50 | 5.21 | 5.00 | 4.27 | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0210%. |
| 3.50 | 4.78 | 8.00 | 7.16 | |
| 2.50 | 3.94 | 9.00 | 6.84 | |
| 2.00 | 2.86 | 12.00 | 10.97 | |
| 5.00 | 5.03 | 4.00 | 3.07 | |
| 5.00 | 5.00 | 4.00 | 3.41 | Nicarbazin:Guar., 0.0125%; found, 0.0123%. Arsanilic acid:Guar., 0.0095%; found, 0.0078%. |
| 5.00 | 4.91 | 4.00 | 3.13 | Nicarbazin:Guar., 0.0125%; found, 0.0124%. Arsanilic acid:Guar., 0.0095%; found, 0.0078%. |
| 2.50 | 3.16 | 5.00 | 1.73 | |
| 3.50 | 3.54 | 6.00 | 4.71 | |
| 3.50 | 3.56 | 6.00 | 4.83 | |
| 5.50 | 7.08 | 4.00 | 2.59 | Nicarbazin:Guar., 0.0125%; found, 0.0148%. Arsanilic acid:Guar., 0.0095%; found, 0.0090%. |
| 3.00 | 2.58 | 8.00 | 4.86 | |
| 3.50 | 3.54 | 6.00 | 5.57 | Furazolidone:Guar., 0.011%; found, 0.0132%. Terramycin hydrochloride:Guar., 0.011%; not determined. |
| 3.00 | 3.04 | 10.00 | 8.44 | |
| 3.00 | 3.76 | 10.00 | 8.92 | Sulfaquinoxaline:Guar., 0.025%; found, 0.0260%. |
| 2.00 | 3.27 | 5.00 | 4.84 | |
| 3.00 | 4.14 | 8.50 | 7.76 | |
| 3.00 | 3.33 | 12.00 | 10.48 | |
| 2.50 | 2.74 | 15.00 | 12.07 | |

TABLE 1. ANALYSES OF COMMERCIAL FEEDS

| Station No. | Manufacturer and brand | Moisture | Protein
(N x 6.25) | |
|-------------|--|----------|--------------------------|-------|
| | | | Guaranteed not less than | Found |
| 1984 | Big Y Super Starter-Broiler Ration | 12.71 | 20.00 | 22.63 |
| 2760 | Big Y Super Starter Ration Medicated | 11.51 | 20.00 | 22.13 |
| 1996 | Big Y Supreme Laying Mash | 11.04 | 16.00 | 17.63 |
| 556 | Big Y Test Cow Ration | 13.19 | 16.00 | 16.63 |
| 557 | Big Y Test Cow Ration | 12.54 | 16.00 | 16.75 |
| 559 | Big Y Test Cow Ration | 11.98 | 16.00 | 17.88 |
| 560 | Big Y Test Cow Ration | 12.49 | 16.00 | 16.63 |
| 561 | Big Y Test Cow Ration | 12.92 | 16.00 | 16.13 |
| 2395 | Big Y Turkey Fattener | 10.79 | 17.00 | 18.38 |
| 2445 | Big Y Turkey Fattener Medicated | 10.44 | 17.00 | 18.88 |
| 2600 | Big Y Turkey Growing Feed | 10.38 | 20.00 | 20.00 |
| 3126 | Big Y Turkey Growing Feed Medicated | 10.55 | 20.00 | 20.00 |
| 2719 | Big Y Turkey Growing Feed with Sulfaquinoxaline | 11.41 | 20.00 | 20.00 |
| | YELDMOR FEEDS, INC.
Piqua, Ohio | | | |
| 2993 | David Small's D. S. H. S. Broiler Feed Medicated | 9.99 | 24.00 | 24.00 |
| 3019 | David Small's D. S. H. S. Finishing Feed Medicated | 9.52 | 20.00 | 21.50 |

INSPECTION OF 1960

| Fat | | Fiber | | Medicants |
|--------------------------|-------|--------------------------|-------|---|
| Guaranteed not less than | Found | Guaranteed not more than | Found | |
| 3.50 | 4.14 | 4.00 | 2.71 | |
| 3.50 | 3.44 | 4.50 | 3.40 | Sulfaquinoxaline:Guar., 0.0175%; found 0.0175%. |
| 5.00 | 5.38 | 4.00 | 3.37 | |
| 3.00 | 3.01 | 8.50 | 6.56 | |
| 3.00 | 2.70 | 8.50 | 6.86 | |
| 3.00 | 3.08 | 8.50 | 6.84 | |
| 3.00 | 2.78 | 8.50 | 6.56 | |
| 3.00 | 2.48 | 8.50 | 6.10 | |
| 3.50 | 4.31 | 6.00 | 4.87 | |
| 3.50 | 4.06 | 6.00 | 5.88 | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.0228%. |
| 2.50 | 3.61 | 6.00 | 4.67 | 2-Acetylamino-5-nitrothiazole: Guar., 0.015%; found, 0.0125%. |
| 3.50 | 4.89 | 6.00 | 5.41 | 4-Nitrophenylarsonic acid: Guar., 0.025%; found, 0.020%. |
| 3.50 | 3.39 | 6.00 | 4.48 | Sulfaquinoxaline:Guar., 0.0175%; found, 0.0175%. |
| 7.50 | 8.71 | 4.00 | 2.15 | Nicarbazin:Guar., 0.0125%; found, 0.0201%. Arsanilic acid:Guar., 0.0099%; found, 0.0133%. |
| 7.50 | 7.56 | 3.50 | 2.04 | Nicarbazin:Guar., 0.0125%; found, 0.0122%. Arsanilic acid:Guar., 0.0099%; found, 0.0110%. |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------|---|--|
| | | |
| 434 | DAWE'S LABORATORIES, INC.
Chicago, Ill. | Middletown, 3/14, 2219 |
| 9975 | Dawe's Fermentation Flavonne | Middletown, 1/18, 1528 |
| 2119 | Dawe's Fermentation Flavonne | Middletown, 10/21, 5456 |
| 2120 | No. 1
Special Broiler Mix No. 571-D
Medicated | Middletown, 10/21, 5453 |
| 9976 | Special Broiler Mix No. 571-D
Medicated | Middletown, 1/18, 1916 |
| 435 | Special Broiler Mix No. 571-D
Medicated | Middletown, 3/14, 2557 |
| 1574 | RAY EWING CO.
Pasadena, Calif. | Derby, 8/23, None |
| 2251 | All Purpose Pre-Mix | Derby, 11/10, None |
| 2248 | All Purpose Pre, Mix | North Franklin, 11/9, None |
| 430 | Custom High Energy Pre-Mix | North Franklin, 3/14, 1846 |
| 903 | Custom Hi Energy Pre Mix No. 1
Medicated | North Franklin, 5/16, None |
| 2247 | Custom Hi Energy Pre Mix No. 1
Medicated | North Franklin, 11/9, None |
| 2246 | Roaster Pre-Mix Medicated | North Franklin, 11/9, None |
| 2249 | W. M. Plain Pre, Mix Medicated | North Franklin, 11/9, None |
| 9972 | THE FOX COMPANY
Newfield, N. J. | Derby, 1/15, 31959 |
| 440 | Foxco Qualadee A & D
Feeding Oil | Derby, 3/18, 72759 |
| 1710 | Foxco Qualadee A & D
Feeding Oil | Derby, 9/16, 42660 |
| 2250 | Foxco Qualadee A & D
Feeding Oil | Derby, 11/10, 61360 |

* not determined

TABLE 2. VITAMIN CARRIERS

| Vitamin D,
units/lb. | | Riboflavin,
mg/lb. | | Niacin,
mg/lb. | | Calcium
pantothenate
mg/lb. | |
|-------------------------|-------|-----------------------|-------|-------------------|-------|-----------------------------------|-------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| 136,200 | OK | 700 | --* | 4200 | --* | 1000 | --* |
| 18,160 | OK | 45 | 50.2 | 140 | 175 | 43 | 30 |
| 18,160 | OK | 45 | 56.1 | 140 | 156 | 43 | 30.5 |
| 25,000 | OK | 45 | --* | 300 | --* | 76 | --* |
| 14,582 | OK | 42 | --* | 180 | --* | 66 | --* |
| 14,582 | OK | 42 | 43.1 | 180 | 165 | 66 | 62 |
| 14,582 | OK | 42 | 43.9 | 180 | 203 | 66 | 98 |
| 136,200 | OK | 400 | --* | 4000 | --* | 1000 | --* |
| 136,200 | OK | 400 | --* | 4000 | --* | 1000 | --* |
| 272,400 | OK | 800 | --* | 4540 | --* | | |
| 272,400 | OK | 800 | 657 | 4540 | 3969 | | |
| 272,400 | OK | 800 | 866 | 4540 | 4214 | | |
| 272,400 | OK | 800 | --* | 4540 | --* | | |
| 97,300 | OK | 457 | --* | 6514 | --* | 571 | --* |
| 136,000 | OK | 600 | --* | 4000 | --* | 400 | --* |
| 136,200 | OK | | | | | | |
| 136,200 | OK | | | | | | |
| 136,200 | OK | | | | | | |
| 136,200 | OK | | | | | | |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|-------------------|--|---|
| 432 | Nopco-Pak EKK W. M. Plain Premix | North Franklin, 3/14, V9775 |
| 905 | Nopco-Pak High Energy Premix | North Franklin, 5/16, Code EMC 527-12279 410 2/60 |
| 433 | Nopco-Pak High Energy Premix | North Franklin, 3/14, Code EMC 527-12279 410 2/60 |
| 895 | Nopco-Pak Hi-Lay Premix | Norwich, 5/10, Code DDA 527-11514 800 6/59 |
| 1586 ³ | Nopco-Pak Hi Lay Premix | Norwich, 9/8, Code DDA 527-11514 800 6/59 |
| 431 | Nopco-Pak Roaster Premix Medicated | North Franklin, 3/14, Code ELN 527-12271 210 2/60 |
| 9966 | Nopco-Pak Super Premix Medicated | Norwich, 1/14, Code EAZ 527-12033 510 4/59 |
| 897 | Nopco-Pak Super Premix Medicated | Norwich, 5/10, Code EAZ 527-12033 510 4/59 |
| 427 | Nopdex "3000" | Norwich, 3/14, V9482 |
| 893 | Nopdex "3000" | Norwich, 5/10, V9895 |
| 1581 | Nopdex "3000" | Norwich, 9/8, V1526 |
| | CHAS. PFIZER & CO., INC.
Brooklyn, N. Y. | |
| 9965 | High Lay Premix | Norwich, 1/14, AK3139 |
| 428 | High Lay Premix | Norwich, 3/14, AK0430 |
| 894 | Pfizer R-4 Riboflavin Supplement | Norwich, 5/10, None |
| 1583 | Pfizer R-4 Riboflavin Supplement | Norwich, 9/8, None |
| | WOLF SAVITSKY & SONS, INC.
Shelton, Conn. | |
| 1709 | Wolf's Calf Milk Replacer | Shelton, 9/16, None |
| | STABILIZED VITAMINS, INC.
Garfield, N. J. | |
| 9974 | Perma-D-1500 | Shelton, 1/15, 12724 |

³ Vitamin A, U. S. P. units/lb., Guar., 800, 000; not determined
 * not determined
 ** vitamin Guar. in U. S. P. units indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D, units/lb. | | Riboflavin, mg/lb. | | Niacin, mg/lb. | | Calcium pantothenate mg/lb. | |
|----------------------|-------|--------------------|--------------|----------------|---------------|-----------------------------|--------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| 136,000 | --* | 600 | 629 | 4000 | 3455 | 400 | 354 |
| 272,400 | --* | 800 | 730.5 | 4540 | 3655 | | |
| 272,400 | OK | 800 | 855 | 4540 | 4743 | | |
| 400,000 | OK | 800 | 820 | 8000 | 6865 | 1600 | 1516 |
| 400,000 | OK | 800 | --* | 8000 | --* | 1600 | --* |
| 97,300 | OK | 457 | 501 | 6514 | 5469 | 571 | 555 |
| 170,300 | OK | 1000 | 933 | 7500 | 7229 | 1000 | 904 |
| 170,300 | OK | 1000 | 1091 | 7500 | 7172 | 1000 | 965 |
| 1,361,000 | OK | | | | | | |
| 1,361,000 | OK | | | | | | |
| 1,361,000 | OK | | | | | | |
| 400,000 | OK | 800 | <u>696.8</u> | 8000 | <u>6839.6</u> | 1592.7 | 1361 |
| 400,000 | OK | 800 | <u>722.4</u> | 8000 | <u>6276.4</u> | 1592.7 | 1581.8 |
| | | | 4000 | 3909 | | | |
| | | | 4000 | 4210 | | | |
| 3000** | --* | 11 | 13.2 | | | | |
| 681,000 | OK | | | | | | |

TABLE 2. VITAMIN CARRIERS

| Station No. | Manufacturer and brand | Place, date of sampling and control number |
|---|-----------------------------------|--|
| 907 | Perma-D-1500 | Jewett City, 5/16, 12724 |
| 2252 | Perma-D-3000 | Shelton, 11/10, 13719 & 13559 |
| 9968 | Perma-Mix C. C. C. No. 1 | Manchester, 1/15, 2605-1 |
| 436 | Perma-Mix C. C. C. No. 1 | Manchester, 3/16, 2669-2 |
| 898 | Perma-Mix C. C. C. No. 1 | Manchester, 5/11, 2776/1 |
| 1575 | Perma-Mix C. C. C. No. 1 | Manchester, 9/7, 3004/2 |
| 9969 | Perma-Mix C. C. C. No. 2 | Manchester, 1/15, 2566 |
| 437 | Perma-Mix C. C. C. No. 2 | Manchester, 3/16, 2657 |
| 899 | Perma-Mix C. C. C. No. 2 | Manchester, 5/11, 2771 |
| 1576 | Perma-Mix C. C. C. No. 2 | Manchester, 9/7, 3005 |
| 9970 | Perma-Mix C. C. C. No. 3 | Manchester, 1/5, 2567 |
| 438 | Perma-Mix C. C. C. No. 3 | Manchester, 3/16, 2688 |
| 900 | Perma-Mix C. C. C. No. 3 | Manchester, 5/11, 2769 |
| 1577 | Perma-Mix C. C. C. No. 3 | Manchester, 9/7, 2986 |
| 9971 | Perma-Mix C. C. C. No. 4 | Manchester, 1/15, 2319 |
| 439 | Perma-Mix C. C. C. No. 4 | Manchester, 3/16, 2658 |
| 901 | Perma-Mix C. C. C. No. 4 | Manchester, 5/11, 2658 |
| 902 | Perma-Mix C. C. C. No. 4 | Manchester, 5/11, 2376 |
| 1578 ⁴ | Perma-Mix C. C. C. No. 4 | Manchester, 9/7, 2977 |
| VITARON CHEMICAL MFG.
CO., INC., Garfield, N. J. | | |
| 9973 | Vitaron Vitamin A & D Feeding Oil | Shelton, 1/15, 12507 |
| 1706 | Vitaron Vitamin A & D Feeding Oil | Shelton, 9/16, 13555 |
| 2253 | Vitaron Vitamin A & D Feeding Oil | Shelton, 11/10, 13682 |
| WHITMOYER LABORATORIES,
INC., Myerstown, Pa. | | |
| 441 | Flav-A-Dee | Bridgeport, 3/18, None |
| 2244 | Machnicki Vitamin Premix | Jewett City, 11/9, 10/6/60 |

⁴ Vitamin A, U. S. P. units/lb., Guar., 304, 500; not determined
* not determined
~ indicates deficiencies.

TABLE 2. VITAMIN CARRIERS

| Vitamin D, units/lb. | | Riboflavin, mg/lb. | | Niacin, mg/lb. | | Calcium pantothenate mg/lb. | |
|----------------------|-------|--------------------|-------|----------------|--------|-----------------------------|-------|
| Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found |
| 681,000 | OK | | | | | | |
| 1,362,000 | OK | | | | | | |
| 170,300 | OK | 400 | 390 | 5300 | 5530 | 649 | 511.7 |
| 170,300 | --* | 400 | 404 | 5300 | 4860 | 649 | 570 |
| 170,300 | OK | 400 | 463 | 5300 | 4720 | 649 | 734.6 |
| 25,540 | OK | 600 | --* | 7930 | --* | 978 | --* |
| 102,100 | OK | 250 | 254 | 5000 | 4860 | 1000 | 961 |
| 102,100 | --* | 250 | 320 | 5000 | 4660 | 1000 | 1060 |
| 102,100 | OK | 250 | 262 | 5000 | 4670 | 1000 | 1020 |
| 153,150 | OK | 375 | --* | 7500 | --* | 1500 | --* |
| 103,100 | OK | 650 | 652 | 4500 | 4080 | 800 | 770 |
| 103,100 | OK | 650 | 720 | 4500 | 3990 | 800 | 745 |
| 103,100 | OK | 650 | 594 | 4500 | 4410 | 800 | 891 |
| 154,650 | OK | 975 | --* | 6750 | --* | 1200 | --* |
| 136,200 | OK | 500 | 470 | 4120 | 4077 | 944 | 561 |
| 681,000 | OK | 500 | 477.2 | 4120 | 4127.3 | 944 | 990 |
| 681,000 | --* | 500 | 503 | 4120 | 3994.4 | 944 | 977.3 |
| 681,000 | OK | 500 | 468 | 4120 | 4158.2 | 944 | 926.3 |
| 204,300 | OK | 7450 | --* | 6018 | --* | 1416 | --* |
| 136,078 | OK | | | | | | |
| 136,200 | OK | | | | | | |
| 136,200 | OK | | | | | | |
| 54,480 | OK | 100 | 103 | 700 | 696 | 108.2 | 150.3 |
| 204,000 | OK | 400 | --* | 4300 | --* | 1000 | --* |