

Bulletin 436

June, 1940

COMMERCIAL FEEDING STUFFS
REPORT ON INSPECTION

1939

E. M. BAILEY
CHEMIST IN CHARGE



Connecticut
Agricultural Experiment Station
New Haven

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COMMERCIAL FEEDING STUFFS

REPORT OF INSPECTION

1939

E. M. BAILEY

THE FEED LAW

THE statute relating to concentrated commercial feeding stuffs 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 Dairy and Food Commissioner for rules and regulations for carrying out the provisions of the law.

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

The following regulations were issued by the Director of this Station and the Dairy and Food Commissioner in May, 1939, superceding those issued in Bulletin of Immediate Information No. 60, dated June, 1927.

REGULATION 1. FEEDS NOT CLASSED AS CONCENTRATED

COMMERCIAL FEEDING STUFFS

(SEC. 4717)

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.

Clause (4), above, refers to feed ground from materials furnished by the consumer. Under clause (5), above, feed is regarded as "mixed to order" and it must be so labelled together with a statement of net weight, the name of manufacturer and the name of the customer. The formula must be stated; the analysis *need not* be given. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand subject to registration and other provisions pertaining to feeds in general. The suggested form of label for feed sold under clause (5) is:

- (1) Net weight
- (2) **Kind of feed** (State kind of feed, e.g., "horse feed", "dairy feed", "poultry mash", without private brand name or trademark)
- (3) Mixed to order for.....
(Name of customer)
- (4) Formula (give open formula)
- (5) Name of manufacturer

REGULATION 2. METHOD OF LABELLING

(SEC. 4718)

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 food 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 units 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.

Cod liver oils containing less than 85 A.O.A.C. chick units of vitamin D per gram are not acceptable for registration.

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. 4719)

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" is accepted as defined in General Statutes, Section 2432; it 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 Feed Control Officials of the United States 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. 4718)

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.

REGISTRATIONS

For the period January 1, 1939 to December 31, 1939

For the period January 1, 1939, to December 31, 1939, 197 firms registered 1,198 brands of feeding stuffs; and 14 firms registered 20 brands of vitamin D carriers.

As required by statute the registrations are listed as follows:

C. L. Adams Co., (See Park & Pollard Co.)

Albers Bros. Milling Co., Seattle, Wash.

Calf Manna

Allied Mills, Inc., Chicago, Ill.

Brewers' Dried Grains

Corn Distillers' Dried Grains

June Pasture (Alfalfa Meal and Beet Molasses)

June Pasture Pellets (Dehydrated Alfalfa Meal and Cane Molasses)

Pure Corn and Oats Provender

Red Feather Egg Mash

Red Feather Egg Mash with Fortified Sardine Oil

Red Feather Scratch Feed

Screened Cracked Corn

41% Protein Soybean Oil Meal (Expeller Process)

Sugarine 16½% Dairy Feed

Sugarine 20% Dairy Feed

Sugarine 24% Dairy Feed

Super Soy

Wayne All Mash Poultry Ration

Wayne-Amco 16% Dairy Ration

Wayne-Amco 20% Dairy Ration

Wayne-Amco 24% Dairy Ration

Wayne Calf Meal

Wayne Chick Feed

Wayne Chick and Broiler Ration

Wayne Chick Starter

Wayne Complete Calf Feed

Wayne Egg and Breeder Mash with Fortified Sardine Oil

Wayne Fitting Ration

Wayne Flushing Mash

Wayne Growing Mash with Fortified Sardine Oil

Wayne Horse Feed

Wayne Intermediate Scratch Feed

Wayne Mash Concentrate with Fortified Sardine Oil¹

Wayne 26% Mash Supplement with Fortified Sardine Oil

Wayne Pig Starter

Wayne Pork Maker

Wayne Poultry Fattener

Wayne Scratch Feed

Wayne Special Scratch Feed

Wayne Turkey Growing Mash with Fortified Sardine Oil

Wayne Turkey Starting Mash

American Butter Co., Kansas City, Mo.

Condensed Greenmilk

Dried Greens-Buttermilk

American Maize-Products Co., 100 E. 42nd St., New York, N. Y.

Amaizo Gluten Meal

Amaizo Sweetened Gluten Feed

Cream of Corn Gluten Feed

Anchor Mills (See D. A. Stickell & Sons)

¹ Substituted for Wayne Mash Concentrate.

Anheuser-Busch, Inc., St. Louis, Mo.

Corn Gluten Feed

Arcady Farms Milling Co., 223 W. Jackson Blvd., Chicago, Ill.

Arcady Complete All Mash Chick Starter

Arcady Complete Broiler Ration

Arcady Complete Laying Ration

Arcady Growing Mash

Arcady Hog Grower

Arcady Laying Mash

Arcady 20% Open Formula Production Ration

Arcady 24% Open Formula Production Ration

Arcady Scratch Grains

Arcady Wonderlas 26% Feed

Beets-Oats Horse and Mule Feed

Milkers Ready Ration

Peerless Milk Ration

Sunkist Egg Mash

Sunkist Growing Mash

Sunkist Scratch Grains

Wonder Fattening Mash

Wonder Horse and Mule Feed

Wonder Turkey Growing Mash

Archer-Daniels-Midland Co., Minneapolis, Minn.

32 Per Cent Protein Old Process Linseed Meal

34 Per Cent Protein Old Process Linseed Meal

Archer Brand 41% Protein Soybean Oil Meal

Archer Brand 44% Protein Soybean Oil Meal

Ashcraft-Wilkinson Co., Atlanta, Ga.

Cow-Eta Brand 41% Protein Prime Quality Cottonseed Meal

Texsun Brand Dried Citrus Peel and Pulp

Texsun Citrus Pulp with Molasses

Atlantic Fish By-Products Co., (See Wilmington Packing Co.)**Edward R. Bacon Grain Co., 177 Milk St., Boston, Mass.**

Bacon's Gluten Feed

E. W. Bailey & Co., Montpelier, Vt.

Bailey's B-20

Bailey's Pennant Brand Chick Starter

Bailey's Pennant Brand Growing Feed

Bailey's Pennant Brand Laying Mash

Bailey's 20 Special

Capital Dairy Ration Sweetened with Molasses "Complete in Itself"

Capital Wheat Mixed Feed

Favorite Dairy Ration Sweetened with Molasses

Pennant Coarse Chick Feed

Pennant Fine Chick Feed

Pennant Horse Feed

Pennant Scratch Feed

Sweetened Bailey's Fitting Ration

Sweetened with Molasses Pennant Brand Stock Feed

The Beacon Milling Co., Inc., Cayuga, N. Y.

Auburn Dairy Feed

Be-Co-Lass

Beacon "16"

Beacon "20"

Beacon Battery Broiler Feed (For Battery use only)

Beacon Battery Growing Ration

Beacon Battery Laying Ration

Beacon Breeders Mash with Buttermilk

Beacon Broiler Feed

The Beacon Milling Co., Inc., Cayuga, N. Y.—(Continued)

Beacon Calf Grain
 Beacon Calf Pellets
 Beacon's Cayuga Developer Feed
 Beacon's Cayuga Horse Feed
 Beacon's Cayuga Scratch Feed
 Beacon C-C Pellets (Mfg. under U. S. patent 2056107)
 Beacon Chick Feed
 Beacon Complete Starting Ration
 Beacon Dairy Ration
 Beacon Developer Feed
 Beacon Duck Growing Pellets
 Beacon Duck Laying Pellets
 Beacon Duck Starting Pellets
 Beacon "22" Egg Mash with Buttermilk
 Beacon Fitting Ration
 Beacon Fleshing Pellets
 Beacon Goat Ration
 Beacon "16" Growing Mash
 Beacon "18" Growing Mash
 Beacon Hog Feed
 Beacon Horse Feed
 Beacon "20" Laying Mash with Buttermilk
 Beacon Scratch Grains
 Beacon Special Scratch Grains
 Beacon Sweet "20"
 Beacon Sweet "24"
 Beacon Test Cow Ration
 Beacon Turkey Fitting Ration
 Beacon Turkey and Game Bird Breeder Mash
 Beacon Turkey Growing Feed
 Beacon Turkey Starter
 Cayuga "16"
 Corn and Oats Chop

The B & B Dairy Co., Inc., Margaretville, N. Y.

Buell-Boston Dried Skim Milk for Poultry and Animal Feed

Berkman Grain & Coal Co., North Franklin, Conn.

Nibco Breeder Mash
 Nibco Chick Starter with Fortified Cod Liver Oil
 Nibco 20% Dairy Ration
 Nibco 24% Dairy Ration
 Nibco Fattening Mash with Fortified Cod Liver Oil
 Nibco Fine Chick Feed
 Nibco Fitting Ration
 Nibco Growing Mash with Fortified Cod Liver Oil
 Nibco Horse Feed
 Nibco Intermediate Chick Feed
 Nibco Laying Mash with Fortified Cod Liver Oil
 Nibco Scratch Feed
 Nibco Starter and Broiler Mash with Fortified Cod Liver Oil
 Nibco Stock Feed

Bisbee Linseed Co., Inc., Amsterdam, N. Y.

K & M Brand 32% Protein Old Process Linseed Meal
 K & M Brand 34% Protein Old Process Linseed Meal

Bisbee Linseed Co., Inc., Philadelphia, Pa.

Bisbee Brand 34% Protein Old Process Linseed Meal

Black Rock Milling Corp., Buffalo, N. Y.

Paramount 20% Dairy Ration

Blatchford Calf Meal Co., Waukegan, Ill.

Blatchford's Calf Meal or Pellets

Bradley & Baker, 155 E. 44th St., New York, N. Y.

Standard Wheat Bran with Screenings

C. W. Brister & Son, Auburn, N. Y.

Prize Mixed Feed

L. Broder, Colchester, Conn.

Just Right Egg Mash

Just Right Growing Mash

L. B. Milk Ration

The Brooklawn Grain & Feed Co., 321 Sylvan Ave., Bridgeport, Conn.

Brooklawn 20% Dairy Ration

Brooklawn Egg Mash

Brooklawn Growing Mash

Brooklawn Starter and Broiler

The Buckeye Cotton Oil Co., Cincinnati, Ohio

Buckeye 41% Protein Cottonseed Meal Prime Quality

Buckeye 41% Protein Soybean Oil Meal

C. Buckingham & Co., Southport, Conn.

C. B. 20% Dairy

C. B. Dairy

C. B. Egg Mash

C. B. Growing Mash

C. W. Burckhalter, Inc., 177 Franklin St., New York, N. Y.

Burck-Brand Powdered Skim Milk for Animal Feed

The C. W. Campbell Co., Westerly, R. I.

Best Pig and Hog Ration

CamCo Horse Feed

CamCo Laying Mash

CamCo Scratch Grains

Campbell's 20% Dairy Ration

Creamline Dairy Ration

16% Dairy Ration

Egg-O Chick Feed

Egg-O Chick Starter and Broiler Ration

Egg-O Growing Feed

Egg-O Intermediate Chick Grains

Egg-O Laying Mash

Egg-O Scratch Grains

Egg-O Turkey Grower

14% Fitting Ration

Lassagrass

Milky Ration

Provender

Supreme Scratch Grains

The A. B. Caple Co., Toledo, Ohio

Alfalfa Meal

Capex Dehydrated Alfalfa Leaf Meal

Center Milk Products Co., Middlebury Center, Pa.

Center Dried Skim Milk

Central Connecticut Co-op. Farmers' Assoc., Inc., East Hartford, Conn.

Honest Brand Dairy Ration

Honest Brand Egg Mash

Honest Brand Growing Mash

Honest Brand Laying Mash

Honest Brand Starter and Broiler

Central Soya Co., Inc., Fort Wayne, Ind.

Central Soybean Oil Meal
Central Star Brand Soybean Oil Meal

Checkerboard Feed Store, (See Ralston Purina Co.)

S. J. Cherry & Sons, Ltd., Preston, Ontario, Canada
Bran

Clinton Co., Clinton, Iowa

Clinton Corn Gluten Feed
Clinton Corn Gluten Meal

Coatsworth & Cooper, 67 Yonge St., Toronto, Canada

"C and C" Wheat Bran
"C and C" Wheat Shorts

The Coles Feed & Grain Co., Inc., Middletown, Conn.

Fortune Chick Starter with Clotrate,
Fortune Egg Mash with Clotrate
Fortune Growing Mash with Clotrate

Commander-Larabee Milling Co., Minneapolis, Minn.

Sunfed Red Dog Pure Wheat Product
Sunfed Wheat Bran with Ground Screenings
Sunfed Wheat Standard Middlings with Ground Screenings

Community Service, Inc., Canaan, Conn.

Community Complete Pig Feed
Community 20% Dairy Ration
Community 20% Dairy Ration "Thrift Brand"
Community Fitting Ration
Community Horse Feed with Molasses
Community Pasture Ration
Community Poultry Mash
Community Scratch Feed
Community Starter and Grower Mash
Community Test Cow Ration
Cornell Calf Starter

Consolidated Chemical Industries, Inc., Woburn, Mass.

Digesta-Bone

Consolidated Products Co., Danville, Ill.

Semi-Solid Chick Emulsion for Baby Chicks, Broilers and Turkey Poults
Semi-Solid Condensed Buttermilk for Animal and Poultry Feed

Consolidated Rendering Co., 178 Atlantic Ave., Boston, Mass.

Corenco Bone Meal, An All Animal Feed for Cattle, Hogs and Poultry
Corenco Cod and Haddock Meal
Corenco 45% Meat and Bone Scrap "The Eggs Pay for It"
Corenco 50% Meat and Bone Scrap "The Eggs Pay for It"
Corenco 55% Meat Scrap, "The Eggs Pay for It"
Corenco 60% Meat Scrap, "The Eggs Pay for It"

Continental Distilling Corp., 1800 West Lehigh Ave., Philadelphia, Pa.

Corn Distillers Dried Grains 25%
Corn Distillers Dried Grains 28%

Copeland Flour Mills, Ltd., Midland, Ontario, Canada

Copeland's "Dandy Wheat Bran"
Copeland's "Dandy Wheat Shorts"

Corn Products Refining Co., 17 Battery Place, New York, N. Y.

Buffalo Corn Gluten Feed
Buffalo Corn Gluten Feed (Sweetened)
Diamond Corn Gluten Meal

C. A. Cowles, Inc., Plantsville, Conn.

Cowles' Blue Seal Growing Mash
 Cowles' Blue Seal Hog and Pig Feed
 Cowles' Blue Seal Horse Feed with Molasses
 Cowles' Blue Seal Laying Mash
 Cowles' Broiler and Starting Mash
 Cowles' 20% Dairy Ration
 Cowles' 24% Dairy Ration
 Cowles' Fitting and Calf Ration
 Cowles' Plantsville Dairy Ration
 Cowles' Starting Mash

Chas. M. Cox Co., 177 Milk St., Boston, Mass.

Rex Wheat Bran with ground screenings
 Rex Wheat Middlings with ground screenings

Crawford Bros., Inc., Walton, N. Y.

Bag of Gold Sweet Ration 22%
 Crawford Best of All 24% Sweet Ration
 Crawford Fitting Ration
 Crawford Growing Mash
 Crawford's Horse Feed with Alfalfa Meal and Cane Molasses
 Crawford Milky Way 25%
 Crawford Scratch Grains
 Crawford's Stock Feed
 Economy Laying Mash
 Economy Starter and Broiler Mash
 Economy Starting and Growing Mash
 Hoyt's 20% Dairy Feed
 20% Producer
 U V C Feed with Molasses
 Walkill Sweet Dairy Ration

P. Cutler, Inc., Colchester, Conn.

Prosperity 20% Dairy Ration
 Prosperity 24% Dairy Ration
 Prosperity Laying Mash
 Prosperity Scratch Grains
 Prosperity Stock Feed

A. O. Dailey & Sons, Inc., Binghamton, N. Y.

Dailey's Baby Chick Grains
 Dailey's Broiler Mash
 Dailey's 20% Dairy Ration (W. M.)
 Dailey's 24% Dairy Ration (W. M.)
 Dailey's Fitting Ration
 Dailey's Growing Grain
 Dailey's Hog Ration
 Dailey's Horse Feed (W. M.)
 Dailey's Quality Service Wheat Feed
 Dailey's Special Laying Mash
 Dailey's Special Scratch Grains
 Dailey's "Super" 20 Dairy Ration (W. M.)
 Dailey's "Super" Growing Mash
 Dailey's "Super" Laying and Breeding Mash
 Dailey's "Super" Starting Mash

Dairyman's League Co-op. Assoc., Inc., 11 West 42nd St., New York, N. Y.

Dairylea Choice Feed Grade Dried Skim Milk for Animal and Poultry Feed

R. G. Davis & Sons, Inc., New Haven, Conn.

Basic Dairy Ration
 Davis Complete Egg Mash
 Davis 20% Dairy Ration
 Davis Egg Mash
 Davis Growing Mash
 Davis Horse Feed
 Davis Scratch Feed
 Davis Stock Feed

Dawe's Vitamelk Co., Chicago, Ill.

Vitamelk Base

Decatur Milling Co., Inc., Decatur, Ill.

Homco Hominy Feed

Delaware Mills, Inc., Deposit, N. Y.

Delaware 85% Horse Feed

Delaware Intermediate Chick Grains

Delaware Scratch Grains

Delaware Stock Feed

Delaware Sweet 20% Dairy Feed

Delaware Sweet 24% Dairy Feed

Delco 20% Dairy Feed

Delco Laying Mash (with Dried Skim Milk)

Indian Growing Mash (With Dried Skim Milk and Cod Liver Oil)

Indian Laying Mash (With Dried Skim Milk and Cod Liver Oil)

Indian Scratch Grains

Indian Sweet 20% Dairy Feed

Indian Sweet 24% Dairy Feed

The Denver Alfalfa Milling & Products Co., Lamar, Colo.

Alfalfa Meal

Alfalfa Leaf Meal (Leafalfa Brand)

Dehydrated Alfalfa Leaf Meal

13% Protein Dehydrated Alfalfa Meal

17% Protein Dehydrated Alfalfa Meal

20% Protein Dehydrated Alfalfa Meal

Derby Feed Store, Derby, Conn.

Litsky's Laying Mash with Buttermilk and Cod Liver Oil

Dietrich & Gambrill, Inc., Frederick, Md.

All Purpose Complete Ration

Canton Scratch Feed

D & G Broiler Mash

D & G Calf Meal

D & G Dairy Feed

D & G Poultry Conditioning Ration

Frederick Horse Feed

Frederick Stock Feed

Gambrill's A I Dairy Feed

Gambrill's Chick Grains

Gambrill's Chick Starter

Gambrill's 16% Dairy

Gambrill's Developing Scratch

Gambrill's Growing Mash

Gambrill's Horse Feed

Gambrill's Laying Mash

Gambrill's Scratch Feed

Pen Mar Dairy Feed

Eastern Semolina Mills, Inc., Baldwinsville, N. Y.

Dairy Special Fancy Mixed Wheat Feed with Mill Run Ground Screenings

Eastern States Farmers' Exchange, Springfield, Mass.

Eastern States All-Mash Breeder

Eastern States All-Mash Developer

Eastern States All-Mash Egg

Eastern States Breeder Mash

Eastern States Calf Starter

Eastern States Cottonseed Meal 41%

Eastern States Developer

Eastern States Duck-Breeder

Eastern States Duck-Fat

Eastern States Duck-Start and Grow

Eastern States Farmers' Exchange, Springfield, Mass.—(Continued)

Eastern States Egg Mash
 Eastern States Fattener
 Eastern States Fitting Ration
 Eastern States Flushing
 Eastern States Fulpail
 Eastern States Ground Corn-Oats
 Eastern States Highland 16
 Eastern States Highland 20
 Eastern States Hog Meal
 Eastern States Horse Feed
 Eastern States Intermediate Scratch
 Eastern States Milkmore
 Eastern States Oat Feed and Molasses
 Eastern States Scratch-Cracked
 Eastern States Scratch-1931
 Eastern States Sheep and Goat
 Eastern States Sixteen
 Eastern States Starting and Broiler
 Eastern States Succulence
 Eastern States 32% Supplement Feed
 Eastern States Turkey-Breeder
 Eastern States Turkey-Fat
 Eastern States Turkey-Grow
 Eastern States Turkey-Start

B. A. Eckhart Milling Co., 1300 Carroll Ave., Chicago, Ill.

Ecko Pure Wheat Bran

Elmore Milling Co., Inc., Oneonta, N. Y.

Elmore Breeders Mash
 Elmore Chixsaver
 Elmore Complete Growing Ration
 Elmore Complete Laying Ration
 Elmore Complete Market Mash
 Elmore Complete Starter-Broiler
 Elmore Egg Mash
 Elmore Fitting Ration
 Elmore Fleshing Pellets
 Elmore Growing Mash
 Elmore Horse Feed with Molasses
 Elmore Intermediate Chick Feed
 Elmore M.A.C. Laying Mash
 Elmore Milk Grains "Sixteen"
 Elmore Milk Grains "Twenty"
 Elmore Milk Grains "Twenty-Four"
 Elmore Scratch Feed
 Elmore Stock Feed
 Elmore "Three Point" Calf Meal
 Elmore Turkey Growing Mash
 Elmore Turkey Starting Mash
 Elmore's Sweet Digesto Dairy Feed
 Emco Scratch Feed
 Granger 20% Dairy Ration
 Granger 24% Dairy Ration
 Waldorf 20% Dairy Ration
 Waldorf 24% Dairy Ration

John W. Eshelman & Sons, Lancaster, Pa.

Eshelman Certified 20% Dairy Ration
 Eshelman Challenge Dairy Feed
 Eshelman Conestoga 20 Dairy Feed
 Eshelman Garden Spot Horse Feed
 Eshelman Golden Rod 25 Dairy Feed
 Eshelman Lancaster 60 Horse Feed

Registrations

John W. Eshelman & Sons, Lancaster, Pa.—(Continued)

Eshelman Lancaster Laying Mash with Cod Liver Oil
Eshelman Lancaster Scratch Grains
Eshelman Liberty Horse Feed
Eshelman Open Formula 20% Dairy Feed
Eshelman Pennsy 16 Dairy Feed
Eshelman Pennsy Laying Mash with Cod Liver Oil
Eshelman Red Rose All-Mash Starter with Cod Liver Oil
Eshelman Red Rose All-Mash Starter and Grower with Cod Liver Oil
Eshelman Red Rose Broiler Ration with Cod Liver Oil
Eshelman Red Rose Calf Starter
Eshelman Red Rose Chick Grains
Eshelman Red Rose Chick Starter with Cod Liver Oil
Eshelman Red Rose Complete Laying Mash with Cod Liver Oil
Eshelman Red Rose 16 Dairy Feed
Eshelman Red Rose 20 Dairy Feed
Eshelman Red Rose 24 Dairy Feed
Eshelman Red Rose Fattening Mash
Eshelman Red Rose Fitting Ration
Eshelman Red Rose Ground Corn and Oats
Eshelman Red Rose Growing Mash with Cod Liver Oil
Eshelman Red Rose 85 Horse Feed
Eshelman Red Rose Intermediate Chick Grains
Eshelman Red Rose Laying Mash
Eshelman Red Rose Laying Mash with Cod Liver Oil
Eshelman Red Rose Medicated Mash
Eshelman Red Rose 32 Mixing Ration
Eshelman Red Rose Pig and Hog Meal
Eshelman Red Rose Scratch Grains
Eshelman Red Rose Stock Feed
Eshelman Red Rose Turkey Grower with Cod Liver Oil
Eshelman Red Rose Turkey Starter with Cod Liver Oil
Eshelman S.O.S.
Eshelman Steam-Cooked Horse Feed
Eshelman Wheat and Cracked Corn

Evans Milling Co., Indianapolis, Ind.

Emco Hominy Feed
Evans 41% Protein Soybean Oil Meal

Excelsior Milling Co., Minneapolis, Minn.

Camel Wheat Mixed Feed

Farmers Feed Co., 532-538 76th St., New York, N. Y.

Dried Brewers Grains (Buffalo)
Dried Brewers Grains "Bull Brand"

Farmers Flour & Grain Co., Stratford, Conn.

Superior Growing Mash with Buttermilk and Cod Liver Oil
Superior Laying Mash with Buttermilk and Cod Liver Oil

Ferneau Grain Co., Blanchester, Ohio

F Corn Distillers Dried Grains

Finger Lakes & Hudson Flour Mills, Inc., Geneva and Troy, N. Y.

Rye Feed with Ground Screenings
Standard Wheat Bran and Ground Wheat Screenings
Wheat Red Dog

First National Stores, Inc., Somerville, Mass.

Henfield Chick Grains
Henfield Egg Mash
Henfield Scratch Grains
Henfield Starting and Growing Mash

Flag Fish Co., 108 South St., New York, N. Y.

Flag Fish Meal

Flory Milling Co., Inc., Bangor, Pa.

Blue Mountain Horse Feed
Cinderella Horse Feed
Flory's "All-Mash" Chick Starter
Flory's "All-Mash" Turkey Starter
Flory's Baby Chick Feed
Flory's Broiler Mash
Flory's Complete Starter-Grower-Layer Mash
Flory's 20% Cream-O-Milk Dairy Feed
Flory's Horse Feed
Flory's Intermediate Chick Feed
Flory's Rabbit Feed
Flory's 20% Special Dairy Feed
Flory's 24% Special Dairy Feed
Flory's Stock Feed
Flory's Turkey Growing Mash
F M C Laying Mash-Connecticut
Golden Egg Growing Mash
Golden Egg Laying Mash
Golden Egg Scratch Feed
Sunray Laying Mash

Funk Bros. Seed Co., Bloomington, Ill.

Funk's 41% Protein Soybean Oil Meal

J. B. Garland & Son, Inc., 15 Grafton St., Worcester, Mass.

Garland Chick Starter
Garland 20% Dairy Ration
Garland Growing Mash
Garland Horse Feed
Garland Laying Mash
Garland Scratch Feed
Royal 20% Dairy Ration
Royal Laying Mash
Royal Worcester Complete Dairy Ration

General Foods Corp., Corn Mill Division, Kankakee, Ill.

Burt's Hominy Feed

General Foods Corp., Franklin Baker Division, Hoboken, N. J.

Baker's Cooked Babassu Kernel Oil Meal
Baker's Cooked Palm Kernel Oil Meal

General Mills, Inc., Minneapolis, Minn.

Washburn's Gold Medal Fancy Wheat Mixed Feed
Washburn's Gold Medal Hard Wheat Adrian Red Dog
Washburn's Gold Medal Hard Wheat Bran and Wheat Screenings
Washburn's Gold Medal Hard Wheat Flour Middlings and Wheat Screenings
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings

Glidden Co., Soya Products Division, Chicago, Ill.

Glidden 44% Protein New Process Soybean Oil Meal Diamond "G" Brand
Glidden 44% Protein 4-Hi New Process Soybean Meal

D. H. Grandin Milling Co., Jamestown, N. Y.

Grandin's Baby Chick Grains
Grandin's Breeder Mash
Grandin's Broiler Mash
Grandin's 16 Dairy Feed
Grandin's 20 Dairy Feed
Grandin's Fleshing Pellets
Grandin's Green Feed
Grandin's Growing Mash

Registrations

D. H. Grandin Milling Co., Jamestown, N. Y.—(Continued)

Grandin's Horse Feed
Grandin's Intermediate Chick Grains
Grandin's Laying Mash
Grandin's Milk Maker
Grandin's Scratch Grains
Grandin's Start-To-Finish Mash
Grandin's Stock Feed
Grandin's Turkey Grower
Grandin's Turkey Starter
M-S (Money Saver) 16 Dairy Feed
M-S (Money Saver) 20 Dairy Feed
M-S (Money Saver) 24 Dairy Feed
M-S (Money Saver) Growing Mash
M-S (Money Saver) Horse Feed
M-S (Money Saver) Laying Mash
M-S (Money Saver) Scratch Grains

The Grand Union Co., 233 Broadway, New York, N. Y.

Grand Union All Mash Starter and Grower
Grand Union Chick Grains
Grand Union Laying Mash
Grand Union Scratch Grains

The Great Atlantic & Pacific Tea Co., 711 West Lake St., Minneapolis, Minn.

Daily Egg Laying Mash Feed
Daily Egg Scratch Feed
Daily Growth Broiler Mash
Daily Growth Calf Meal
Daily Growth Chick Starter
Daily Growth Developing Feed
Daily Growth Pine Chick Feed
Daily Growth Growing Mash
Daily Growth Turkey Grower
Daily Growth Turkey Starter
Daily Horse Feed
Daily Milk Dairy Feed
Milky Way Dairy Feed 20%
Milky Way Dairy Feed 24%
Milky Way Supplement Feed 32%
Sunnyfield All-Mash Growing and Laying Feed
Sunnyfield All-Mash Starting Feed

Green Acre Farms, Nazareth, Pa.

Green Acres Brand Super Quality Alfalfa Meal

Hales & Hunter Co., 166 W. Jackson Blvd., Chicago, Ill.

Kingfalfa Horse Feed
Morning Glory Fine Chick
Morning Glory Scratch Feed
Red Comb All-Mash
Red Comb Batry Fed Layer
Red Comb Broiler Mash
Red Comb Chick Starter
Red Comb Crate Fattener
Red Comb Egg Mash
Red Comb Flushing Mash
Red Comb Growing Mash
Red Comb Turkey Breeder
Special Red Horn 20% Dairy Feed
Steam Cooked Excelsior Horse Feed

Dwight Hamlin Co., Pittsburgh, Pa.

Hamlin's Dried Brewers Grains

Hecker H-O Div. of Hecker Products Corp., Buffalo, N. Y.

Oat Mill Feed

Hercules Powder Co., Dairy Products Div., Chicago, Ill.

Hercules Dried Whey for Animal and Poultry Feed

Hespenheide & Thompson, Inc., York, Pa.

Premier Broiler Ration

Premier Chick Feed

Premier 20% Dairy Feed

Premier 20% Dairy Feed (sweet)

Premier Egg Mash with Buttermilk, Charcoal and Mineral with Cod Liver Oil

Premier Growing Mash with Cod Liver Oil

Premier 85% Horse Feed

Premier Intermediate Chick Feed

York 20% Dairy Feed

York Laying Mash with Cod Liver Oil

York Scratch Feed

Hoosier Soybean Mills, Inc., Marion, Ind.

Hoosier 41% Protein Soybean Oil Meal

The Hubinger Co., Keokuk, Iowa

KeOKuk Corn Gluten Feed

Humphreys-Godwin Co., Memphis, Tenn.

Dixie Brand 41% Protein Prime Quality Cottonseed Meal

Illinois Cereal Mills, Inc., Paris, Ill.

Hominy Feed

International Milling Co., Minneapolis, Minn.

Blackhawk Pure Wheat Bran

Blackhawk Wheat Red Dog

Blackhawk Wheat Standard Middlings with Ground Screenings

The Kansas Flour Mills Corp., Kansas City, Mo.

Big Flake Pure Wheat Bran

Wheat Gray Shorts and Wheat Screenings

Kasco Mills, Inc., Waverly, N. Y.—Toledo, Ohio

Apex 20% Dairy Ration

Apex Growing Mash

Apex Laying Mash

Apex Scratch Grains

Beatsall Milk Grains

Kasco Broiler Ration

Kasco Fitting Ration

Kasco Laying and Breeding Mash

Kasco 20% Milk Maker

Kasco Pig Hog Feed

Kasco Poultry Flushing Mash

Spencer Kellogg & Sons, Inc., Buffalo, N. Y.

Kellogg's 37% Protein Old Process Linseed Meal

Kellogg's 41% Protein Old Process Soybean Oil Meal

Kellogg Sales Co., Battle Creek, Mich.

Kellogg's Hominy Feed

Keystone Dairy Co., 535 Carlton Ave., Brooklyn, N. Y.

Skim Milk Powder

H. H. King Flour Mills Co., Minneapolis, Minn.

"GOLD MINE" Feed

King Midas Flour Mills, Minneapolis, Minn.

Cloverleaf Pure Wheat Bran

Kraft-Phenix Cheese Corp., Ward Milk Products Div., Chicago, Ill.

Delyn (Dried Casein Whey)
Kraco (Dried Cheese Whey)
Ward's Dried Buttermilk
Ward's Dried Skim Milk

Chas. A. Krause Milling Co., Milwaukee, Wis.

Badger White Hominy Feed

H. P. Kysor Feed & Grain Co., Plainville, Conn.

Kysor's A-1 Chick Starter
Kysor's A-1 20% Dairy Ration
Kysor's A-1 24% Dairy Ration
Kysor's A-1 Growing Mash with Cod Liver Oil
Kysor's A-1 Horse Feed
Kysor's A-1 Laying Mash with Cod Liver Oil
Kysor's A-1 Scratch Grains

Laden Bros. Co., Inc., Wallingford, Conn.

Laden's Baby Chick Starter
Laden's Dairy
Laden's Growing
Laden's Laying
Laden's Starter and Broiler Mash

Lake of the Woods Milling Co., Ltd., Montreal, Canada

Lakewoods Wheat Bran
Lakewoods Wheat Shorts

The Larabee Flour Mills Co., Kansas City, Mo.

Sunfed Winter Wheat Bran with Ground Wheat Screenings

Larrowe Milling Co., Div. of General Mills, Inc., Detroit, Mich.

Dried Beet Pulp (Larrowe Milling)
Dried Molasses-Beet Pulp (Larrow Milling)
Larro Broiler Feed
Larro Calf Builder
Larro Chick Builder
Larro Chick Grains
41% Protein Cottonseed Meal
Larro 16 Dairy Feed
Larro 32 Dairy Feed
Larro Egg Mash
Larro Growing Grains
Larro Hog Feed Concentrate
Larro Mash Concentrate
Larro Pig and Hog Builder
Larro Scratch Grains
Larro The Ready Ration for Dairy Cows
Larro Turkey Breeder Mash
Larro Turkey Builder
Larro Turkey Finisher

Franklin L. Lewi, Inc., 2 Broadway, New York, N. Y.

Wheat Bran with Ground Screenings
Wheat Pollards with Ground Screenings

John T. Lewis & Bros. Co., Philadelphia, Pa.

Old Process 34% Protein Linseed Meal

Libner Grain Co., Inc., Norwalk, Conn.

Libner's Blue Ribbon All-Mash Growing and Developer Ration with high potency-Cod Liver Oil¹
 Libner's Blue Ribbon Battery Laying Mash (with Cod Liver Oil)
 Libner's Blue Ribbon Chick Starter (with Cod Liver Oil)
 20% Libner's Blue Ribbon Dairy Ration
 12% Libner's Blue Ribbon Fitting Ration
 Libner's Blue Ribbon Growing Mash (with Cod Liver Oil)
 Libner's Blue Ribbon Horse and Calf Ration
 Libner's Blue Ribbon Milk Egg Mash (with Cod Liver Oil)
 Libner's Blue Ribbon Scratch Feed
 20% Milkflow Dairy Ration

C. W. Lines Co., New Britain, Conn.

Homestead Dry Mash
 Homestead Scratch Feed
 Mill Pride Dairy Ration
 Mill Pride Fancy Scratch Feed
 Mill Pride Milk Mash

Litchfield County Co-op. Assoc., Inc., Torrington, Conn.

"Common Sense" Dairy Ration
 "Common Sense" Horse Feed
 "Common Sense" Laying Mash
 "Common Sense" Scratch
 "Common Sense" Starting and Growing Mash
 "Merit" Dairy Ration

Long Hill Feed Store, Long Hill, Conn.

Improved Square Deal Dairy Ration
 Square Deal Buttermilk Laying Mash

L. B. Lovitt & Co., Memphis, Tenn.

"Lovit Brand" 41% Protein Cottonseed Meal, Prime Quality

Maine Fish Meal Co., Portland, Me.

Maine Vitamin D Fish Meal

E. Manchester & Sons, Winsted, Conn.

Huntington Red Star Egg Mash
 Red Star Egg Mash
 Red Star Horse Feed with Molasses
 Red Star Scratch Feed
 Red Star Sweet Sixteen Dairy Feed
 Special Dairy Feed

Maritime Milling Co., Inc., Buffalo, N. Y.

B-B Broiler Ration Vitamized with Fortified Cod Liver Oil, Dried Cheese Whey and Dried Buttermilk
 B-B Bull Brand Dry and Fresh Cow Fitting Ration
 B-B Bull Brand Stock Feed, Sweetened
 B-B Chick Feed
 B-B Daisy Chick Starter Ration Vitamized with Fortified Cod Liver Oil and Dried Cheese Whey
 B-B Complete Chick Starter Ration Vitamized with Fortified Cod Liver Oil, Dried Cheese Whey and Dried Buttermilk
 B-B Daisy Egg Mash Vitamized with Fortified Cod Liver Oil and Dried Buttermilk
 B-B Daisy Growing Mash Vitamized with Fortified Cod Liver Oil and Dried Buttermilk
 B-B Daisy Scratch Feed
 B-B Developing Feed
 B-B Flushing and Conditioning Mash Vitamized with Fortified Cod Liver Oil, Shark Liver Oil and Dried Cheese Whey

¹ Substituted for Libner's Blue Ribbon Fattening Mash for Broilers, Fowls and Turkeys.

Maritime Milling Co., Inc., Buffalo, N. Y.—(Continued)

- B-B Layer and Breeder Mash Vitamized with Fortified Cod Liver Oil, Liver Meal and Dried Cheese Whey
- B-B Pig and Hog Feed with Minerals
- B-B Scratch Feed
- B-B Special Dairy Feed 20%
- Bull Brand Horse Feed
- Dollar Maker Egg Mash with Dried Buttermilk and Cod Liver Oil
- Hi-Test Dairy Feed 20% Sweetened
- Hi-Test Dairy Feed 24% Sweetened
- Marmico 16% Dairy Feed with Molasses
- Sweetened Bull Brand "20" Dairy Ration
- Sweetened Bull Brand "24" Dairy Ration

Maurer Manufacturing Co., Newark, N. J.

- Maurer's Kwality Meat and Bone Scrap

Meader & Co., Inc., 10 W. 33rd St., New York, N. Y.

- Purifine Brand Linseed Oil Meal (Old Process)

Meadow Brook Farms, Nazareth, Pa.

- Meadow Brook Farms Brand Superior Dehydrated Alfalfa Meal

Meech & Stoddard, Inc., Middletown, Conn.

- M & S 20% Dairy Feed
- M & S Laying Mash
- Red Wing 20% Dairy Feed
- Red Wing 12% Fitting Ration
- Red Wing Growing Mash (with Vitamelk)
- Red Wing Horse Feed
- Red Wing Laying Mash (with Vitamelk)
- Red Wing Starting Mash (with Vitamelk)

Miner-Hillard Milling Co., Wilkes-Barre, Pa.

- Steam Cooked Hominy Feed

Geo Q. Moon & Co., Inc., Binghamton, N. Y.

- Complete Starter and Broiler Mash
- Hog Feed
- Moon's Baby Chick Grains
- Moon's Baby Chick Starter Mash
- Moon's Complete Growing Mash
- Moon's 24% Dairy Ration
- Moon's Developing Grains
- Moon's Growing Mash
- Moon's Hominy Feed
- Moon's 90 Horse Feed with Molasses
- Moon's Laying Mash with Dried Buttermilk
- Moon's Scratch Feed
- Moon's Special A Laying Mash with Dried Buttermilk
- Moon's Turkey Growing Mash
- Special A 16% All Grain Ration
- Special A Dairy 20% Ration
- U. S. 20% Dairy Ration

Fred C. Morse & Son, Guilford, Conn.

- Old Mill Broiler Mash
- Old Mill 20% Dairy Feed
- Old Mill Fitting Feed
- Old Mill Growing Mash
- Old Mill Horse Feed
- Old Mill Intermediate Chick Feed
- Old Mill Laying Mash
- Old Mill Laying Mash with Milk Cod Liver Oil
- Old Mill Provender
- Old Mill Scratch Feed
- Old Mill Starting Mash

Jas. F. Morse & Co., Somerville, Mass.

Morse's Meat Scraps for Poultry

Moses Bros. Co., Inc., Eaton, N. Y.

Moco Buttermilk Perfection Laying Mash
Moco Competitive Scratch Feed
Moco Perfection Starting and Growing Mash
Moco Special 20% Dairy Feed
Moco Streamline Twenty Dairy Ration
Moco "Superior Twenty" Dairy Ration

Mt. Vernon Milling Co., Mt. Vernon, Ind.

POCO Hominy Feed

Muir & Co., 408 Products Exchange Bldg., New York, N. Y.

34% Protein Linseed Meal Prime Quality

National Distillers Products Corp., 120 Broadway, New York, N. Y.

Produlac Brand Semi-Solid Distillers Grains Mash

New England Dairies, Inc., 142 Cambridge St., Charlestown, Mass.

New England Dairies' Skim Milk Powder

New England Retail Grain Dealers Co-op. Assoc., Inc., Springfield, Mass.

New England Quality 16% Dairy Feed
New England Quality 20% Dairy Feed
New England Quality 24% Dairy Feed
New England Quality Fitting Ration
New England Quality Horse Feed
New England Quality Laying Mash with Cod Liver Oil
New England Quality Scratch Feed
New England Yankee 20% Dairy Ration
New England Yankee Egg Mash with Cod Liver Oil and Milk

Newton Concentrates, Boston, Mass.

Newton Bovine Concentrates
Newton Bovine Concentrates (Super)
Newton Green Roughage Concentrates
Newton Green Roughage Concentrates (Forcing)
Prime All-Purpose Dairy Feed

Old Fort Mills, Inc., Marion, Ohio

Old Fort Soybean Oil Meal

Ontario Milling Co., Inc., Wilson, N. Y.

Swanco Flour Middlings with Ground Screenings
Swanco Standard Middlings with Ground Wheat Screenings
Swanco Wheat Bran with Ground Wheat Screenings

S. V. Osborn Estate, Branford, Conn.

Osborn Provender
Osborn Scratch

Park & Pollard Co., Buffalo, N. Y.

Bidwell 20% Dairy Ration
Bidwell Growing Feed
Bidwell Laying Mash
Bidwell Scratch Feed
Bulky-Sweet Dairy Feed
Claco Dairy Ration (C. L. Adams)
Corn and Oats Half and Half
Doublex 16% Dairy Ration
Doublex 20% Dairy Ration
Doublex 24% Dairy Ration
Go-Tu-It Pig and Hog Ration
Hi-Valu Scratch Feed (Pellets) (A Lay or Bust Feed)
Intermediate Chick Feed

Registrations

Park & Pollard Co., Buffalo, N. Y.

Lay or Bust Dry Mash
Manamar 20% Dairy Ration
Manamar Doublex 20% Dairy Ration
Manamar Lay or Bust Dry Mash
Manamar Life Cycle Mash (A Lay or Bust Feed)
Milkade Calf Meal
Milkmaid 16% Dairy Ration
Milkmaid 20% Dairy Ration
Milkmaid 20% Dairy Ration with Manamar
Milkmaid 24% Sweetened Dairy Ration
Paramount Scratch Feed
Park & Pollard All-Mash Growing Feed
Park & Pollard All-Mash Laying Ration
Park & Pollard Breeder Mash (A Lay or Bust Feed)
Park & Pollard Broiler Finishing Mash (A Lay or Bust Feed)
Park & Pollard Chick Scratch
Park & Pollard Chick Starter (A Lay or Bust Feed)
Park & Pollard Economy Scratch
Park & Pollard Fleshing Pellets (A Lay or Bust Feed)
Park & Pollard Growing Feed (A Lay or Bust Feed)
Park & Pollard Horse Feed
Park & Pollard Manamar Fitting Ration
Park & Pollard Starter and Broiler Mash (A Lay or Bust Feed)
Park & Pollard Stock Feed
Park & Pollard Turkey Grower (A Lay or Bust Feed)
Park & Pollard Turkey Starter (A Lay or Bust Feed)
Red Ribbon Scratch Feed
Yankee Horse Feed

Parrish & Heimbecker, Ltd., Toronto, Canada

Parrheim Pure Wheat Bran
Parrheim Pure Wheat Shorts

The Patent Cereals Co., Geneva, N. Y.

Hominy Feed

Pecos Valley Alfalfa Mill Co., Chandler, Ariz.

Pecos Special Alfalfa Meal
Peevee Alfalfa Leaf Meal
Velvet Brand Alfalfa Meal

Penick & Ford, Ltd., Inc., Cedar Rapids, Iowa

Douglas Corn Gluten Feed
Sweetened Douglas Corn Gluten Feed

Perkins Oil Co., Memphis, Tenn.

Golden Rod Brand Cottonseed Meal 41%

Louis Perillo Coal Co., Southington, Conn.

Perillo's "Wellworth" Laying Mash (with Cod Liver Oil)
Perillo's "Wellworth" Starting and Growing Mash (with Cod Liver Oil)

A. D. Pierce, Brooklyn, Conn.

Pierce's Growing Mash
Pierce's Special Laying Mash
Pierce's Starter and Broiler

Frank Pilley & Sons, Inc., 108 S. Ninth St., Omaha, Nebr.

Farmland Powdered Buttermilk

Pillsbury Flour Mills Co., Minneapolis, Minn.

Pillsbury's Fancy Wheat Mixed Feed with Ground Wheat Screenings
Pillsbury's Hard Wheat A. Middlings with Ground Wheat Screenings
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings
Pillsbury's Hard Wheat Standard B Middlings with Ground Wheat Screenings
Pillsbury's Rye Middlings with Ground Rye Screenings
Pillsbury's Wheat Bran with Ground Wheat Screenings
Pillsbury's XX Daisy

Pittsburgh Plate Glass Co., Linseed Oil Div., Newark, N. J.

Red Wing 32% Protein Old Process Linseed Meal

Red Wing 37% Protein Old Process Linseed Meal

The Frank S. Platt Co., New Haven, Conn.

Platco Laying Mash

Pratt Food Co., Elk St. & Abbott Road, Buffalo, N. Y.

Pratt's All-Mash Laying Ration

Pratt's Baby Chick Food

Pratt's Cak-Cak Egg Mash

Pratt's Calf Meal

Pratt's Growing Mash

Pratt's Horse Feed with Alfalfa

Pratt's Laying Mash

Pratt's Scratch Feed

Pratt's Sugared Hog Feed

Pratt's Sweet 16% Dairy Feed

Pratt's Wheat and Corn Scratch Feed

Utility Sweet 20% Dairy Feed

Utility 24% Sweet Dairy Feed

Utility Growing Mash

Utility Laying Mash

Utility Scratch Feed

Proctor & Gamble Distributing Co., Cincinnati, Ohio

P & G Coconut Oil Meal

H. C. Puffer Co., 194 Lyman St., Springfield, Mass.

Egg-Em-On Growing Mash

Egg-Em-On Laying Mash

Egg-Em-On Starter and Broiler

Producer Dairy Feed 24%

Sweetened Producer Dairy Feed

The Quaker Oats Co., 141 W. Jackson Blvd., Chicago, Ill.

Barley Feed

Bell Cow Wheat Bran

Bell Cow Wheat Shorts

Big Egg All Mash Starter-Grower

Big Egg Chick Starter-Growing Mash

Big Egg Laying Mash

Big Egg Scratch Grains

Early Bird Coarse Chick Feed

Early Bird Fine Chick Feed

Ful-O-Pep Broiler Mash

Ful-O-Pep Chick Starter

Ful-O-Pep Coarse Chick Feed

Ful-O-Pep Crate Fattener

Ful-O-Pep Developer

Ful-O-Pep Egg-Breeder Mash

Ful-O-Pep Growing Mash

Ful-O-Pep Scratch Grains

Ful-O-Pep Turkey Grower

Peterborough Oat Feed

Quaker 16% Protein Dairy Ration

Quaker 20% Protein Dairy Ration

Quaker 24% Protein Dairy Ration

Quaker Green Cross Horse Feed

Quaker Oat Mill Feed with 25% Molasses

Quaker Pig-N-Hog Feed

Quaker Schumacher Feed

Quaker Sugared Schumacher Feed

Schumacher Calf Meal

Sugared Vim Oat Mill Feed

Vim Oat Mill Feed

White Hominy Feed

Yellow Hominy Feed

Registrations

Ralston Purina Co., St. Louis, Mo.

Corn Feed Meal
Corn and Oat Provender
Ontario 20% Dairy Feed (Checkerboard Feed Store, Oswego, N. Y.)
Oswego Growing Feed (Checkerboard Feed Store, Oswego, N. Y.)
Protena 16% Dairy Feed (Buffalo Mill)
Protena 20% Dairy Feed
Protena Laying Mash (Checkerboard Feed Store, Oswego, N. Y.)
Protena Scratch Feed
Purina Breeder Lay Chow
Purina Broiler Chow
Purina Bulky Las Chow (Buffalo Mill)
Purina Bulky Omolene (Buffalo Mill)
Purina Calf Startena
Purina Calf Starting Chow
Purina Chick Chow (Fine)
Purina Chick Chow (Coarse)
Purina Chicken Fatena
Purina Chicken Fatena Checkers (Blue Bag)
Purina Chick Growena
Purina Chick Growing Chow
Purina Chick Startena
Purina Complete Sow and Pig Chow Ration
Purina Cow Chow 16%
Purina Cow Chow 18%
Purina Cow Chow 20%
Purina Cow Chow 24%
Purina Dry and Freshening Chow
Purina Egg Chow (Complete Ration)
Purina Family Flock Chow
Purina Flushing Feed
Purina Goat Chow
Purina Heifer Growing Chow
Purina Hen Chow
Purina Lay Chow
Purina Layena (Complete Ration)
Purina Milk Chow (16%)
Purina Milk Chow (20%)
Purina Milk Chow (24%)
Purina Omolene
Purina Pigeon Checkers
Purina Sow and Pig Chow Supplement
Purina Sweet Roughage
Purina Tenth Week Broiler Chow
Purina Turkey Breeder Chow
Purina Turkey Chicken Fatena Checkers (Red Bag)
Purina Turkey Growena
Purina Turkey Growena (with Cod Liver Oil)
Purina Turkey Growing Chow
Purina Turkey Growing Chow (with Cod Liver Oil)
Purina Turkey Layena (Complete Ration)
Purina Turkey Startena
Special Scratch (St. Johnsbury, Vt.)

John Reardon & Sons, Div. of Wilson & Co., Inc., Cambridge, Mass.

Register Brand Meat & Bone Scraps 45%
Register Brand Meat & Bone Scraps 50%
55% Register Brand Meat Scraps

Reliable Grain & Fuel Co., Ansonia, Conn.

Ansonia Baby Chick Starter with Buttermilk and Cod Liver Oil
Ansonia Laying Mash with Buttermilk and Cod Liver Oil
Ansonia Stock Feed
Ansonia 20% Sweetened Dairy Feed
Connecticut State Open Formula Dairy Ration

E. H. Rollins & Son, Granby, Conn.

Connecticut's Best Growing Mash
Connecticut's Best Laying Mash

H. M. Rubin, Long Island City, N. Y.

Rubco Meat Bone Scrap 50%

Russell-Miller Milling Co., Minneapolis, Minn.

Alta Hard Wheat Middlings
Hard Wheat Occident Bran
Hard Wheat Occident Flour Middlings
Hard Wheat Occident Mixed Feed
Hard Wheat Occident Standard Middlings

Saunders Mills, Inc., Toledo, Ohio

17% Alfalfa Meal

Schenley Distilleries, Inc., 350 Fifth Ave., New York, N. Y.

Corn Distillers Dried Grains

Schoeneck Farms, Inc., Nazareth, Pa.

Keystone Brand Dehydrated Alfalfa Meal 13%
Keystone Brand Dehydrated Alfalfa Meal 17%
Keystone Brand Dehydrated Alfalfa Meal 20%

Schuyler Warehouse, Inc., Albany, N. Y.

Dried Skim Milk Powder

Sea Board Supply Co., Inc., 940 N. Front St., Philadelphia, Pa.

Dehydrated Alfalfa Meal
Ground Fish

Joseph E. Seagram & Sons, Inc., Louisville, Ky.

Seagram's Corn Distillers Dried Grains

Seymour Grain & Coal Co., Seymour, Conn.

18 Dairy Ration
Miracle Chick Feed
Miracle Chick Starter and Broiler Ration
Miracle Fitting Ration
Miracle Grower
Miracle Horse Feed
Miracle Mash
Miracle Scratch Feed
See-More Milk Dairy Ration

The A. E. Shedd Co., 567 Main St., Norwich Conn.

Shedd's Special Broiler Mix Ration
Shedd's Special Grower Mix

The Sherwin-Williams Co., Cleveland, Ohio

Sherwin-Williams Pure Old Process 32% Linseed Meal
Sherwin-Williams Pure Old Process 34% Linseed Meal

The W. J. Small Co., Neodesha, Kansas

Keystone 20% Fine Ground Dehydrated Alfalfa Meal 20-20-1.75
Keystone Fine Ground Dehydrated Alfalfa Leaf Meal 20-18-2.50

The Southern Cotton Oil Co., Memphis, Tenn

"Gold Seal Brand" 41.12 Per Cent Protein Cottonseed Meal, Prime Quality

Soya Processing Co., Wooster, Ohio

Wooster Brand Soy Bean Oil Meal 41%

St. Albans Grain Co., St. Albans, Vt.

Champlain Valley 20 Dairy Ration
Champlain Valley 24 Dairy Ration
Energy 20 Dairy Ration
Hygrade 12 Fitting Ration
Hygrade Horse Feed
Hygrade 16 Milk Ration
Hygrade 20 Milk Ration
Hygrade 24 Milk Ration
Mornin' Call Poultry Grains
Pilgrim 20 Dairy Ration
Pilgrim Growing Mash
Pilgrim Laying Mash
Pilgrim Scratch Feed
Utility 16 Dairy Ration
Utility 20 Dairy Ration
Utility Growing Ration
Wirthmore Baby Chick Scratch
Wirthmore Baby Chick Starter
Wirthmore 25 Balanced Ration
Wirthmore Battery Ration
Wirthmore Breeder Mash
Wirthmore Breeder Pellets
Wirthmore Calf Starter Meal (or Pellets)
Wirthmore Complete Chick Starter and Broiler Ration
Wirthmore Complete Egg Ration
Wirthmore Complete Growing Ration
Wirthmore Complete Laying Ration
Wirthmore 16 Dairy Ration
Wirthmore 20 Dairy Ration
Wirthmore 20 Dairy Ration Containing Fortified Cod Liver Oil
Wirthmore Finishing Pellets
Wirthmore 14 Fitting Ration
Wirthmore Fleshing and Fattening Mash
Wirthmore Fleshing Pellets
Wirthmore Flour Middlings
Wirthmore Fodder Greens
Wirthmore Goat Pellets
Wirthmore Growing Mash
Wirthmore Growing Pellets
Wirthmore Horse Feed
Wirthmore Intermediate Scratch Feed
Wirthmore Laying Mash
Wirthmore Laying Pellets
Wirthmore Pig and Hog Feed
Wirthmore Poultry Flush
Wirthmore 32% Ration
Wirthmore Record Ration
Wirthmore Scratch Feed
Wirthmore Stock Feed
Wirthmore Super Pellets
Wirthmore Turkey Breeder Ration (Or Pellets)
Wirthmore Turkey Fattening Ration (Or Pellets)
Wirthmore Turkey Growing Ration (Or Pellets)
Wirthmore Turkey Starting Ration
Wirthmore Wheat Feed

A. E. Staley Mfg. Co., Decatur, Ill.

Staley's Corn Gluten Feed
Staley's Soybean Oil Meal

St. Lawrence Flour Mills Co., Ltd., Montreal, Canada

Premier Bran

Standard Cereals, Inc., 365 E. Illinois St., Chicago, Ill.

Standard Cereal Hominy Feed

Standard Milling Co., 309 W. Jackson Blvd., Chicago, Ill.

Hecker's Choice Wheat Bran with Ground Wheat Screenings
Hecker's Wheat Red Dog
Hecker's Wheat Standard Middlings with Ground Wheat Screenings
Planet Feed
Pure Wheat Bran
Red Turkey Pure Wheat Bran
Wheat Flour Middlings with Ground Wheat Screenings
Wheat Mixed Feed and Ground Wheat Screenings
Wheat Standard Middlings with Ground Wheat Screenings
XXX Comet

D. A. Stickell & Sons, Inc., Hagerstown, Md.

Dairy Queen Sweet 20% Milk Maker
Snap Sweet 20% Dairy Feed
Snap Scratch Grains
Stickell's Certified 20% Ration
Stickell's Intermediate Chick Feed
Stickell's Poultry Fatner
Stickell's Stock Feed
Stickell's Sweet 24% Milk Maker
Su-Pur All Mash Starter
Su-Pur Broiler Mash
Su-Pur 16% Dairy and Fitting Ration
Su-Pur Horse and Calf Feed
Victor Chick Feed
Victor Horse and Mule Feed
Victor Poultry Fatner
Victor Scratch Grains
Zip Egg Mash (Anchor Mills)
Zip Growing Mash

F. W. Stock & Sons, Hillsdale, Mich.

Stock's Litchfield Mixed Feed
Stock's Wheat Bran
Stock's Wheat Middlings

David Stott Flour Mills, Inc., Detroit, Mich.

Pennant Wheat Middlings and Wheat Screenings
Spring Wheat Bran and Wheat Screenings
Stott's Fine Flour Middlings and Wheat Screenings

Swift & Co., Union Stock Yards, Chicago, Ill.

Gromeal
Swift's Fifty-Five Meat Scraps
Swift's Sixty Meat Scraps

Thomaston Supply Co., Thomaston, Conn.

Thomaston Dairy Ration
Thomaston Egg Mash with Nopco XX Concentrated Cod Liver Oil
Thomaston Growing Mash with Nopco XX Concentrated Cod Liver Oil
Thomaston Scratch Feed
Thomaston Stock Feed with Nopco XX Concentrated Cod Liver Oil

Tioga Mills, Inc., Waverly, N. Y.

Breedertine
Chicatine
Conditiontine
Derby Chick Grains
20% Creamatine
Derby 20% Dairy Feed
Derby Scratch Feed
Egatine
Neverfail Grower
Orco Feed
Tasty Laying Food

Registrations

Tasty Laying Food—Without Cod Liver Oil

Ti-O-Ga Broiler Feed

Ti-O-Ga Calf Food

Tioga Chick Grains

Tioga E-Gee 20% Dairy Feed

Tioga Flour Middlings

Tioga Flusher

Tioga Growing Grains

Ti-O-Ga Growing Shoat Feed

Tioga Horse Feed

Tioga Poultry Grains

Tioga Red Brand 24% Dairy Feed

Tioga Starter and Grower

Ti-O-Ga Turkey Grower

Turkatine

The Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Ariz.

Arizona Brand Alfalfa Leaf Meal

Tremaine Brand Alfalfa Meal

Jacob Trinley & Sons, Linfield, Pa.

Fancy Cracked Corn

Favorite Growing Mash

Favorite Horse Feed

Favorite Laying (Complete) Mash

Favorite Scratch Grains

Limerick Stock Feed

Real 20% Dairy Feed

Real Laying Mash

Real Scratch Grains

Supreme 85% Horse Feed

Trinley's 20% Dairy Feed

Union Starch & Refining Co., Columbus, Ind.

Union Corn Gluten Feed

United Co-operative Farmers, Inc., Fitchburg, Mass.

United Farmers Broiler

United Farmers Egg Mash

United Farmers Grower

United Farmers Layer

United Farmers Milkmaker

United Farmers Scratch Feed

United Farmers Starter

Unity Feeds, Inc., Boston, Mass.

Paycheck 20% Dairy Ration

Unity Breeder Mash

Unity Complete Starting and Broiler Mash

Unity 20% Dairy Ration

Unity 24% Dairy Ration

Unity Fitting Ration

Unity Growing Mash with Cod Liver Oil

Unity Horse Feed

Unity Laying Mash with Cod Liver Oil

Unity Scratch Feed

Unity Stock Feed

Van Iderstine Co., Long Island City, N. Y.

Vico High Protein Meat and Bone Scraps for Poultry

Vico Quality Meat and Bone Scraps for Poultry

Van Vechten Milling Corp., Rochester, N. Y.

Irving Mills Rye Feed

Van Vex Soft Winter Wheat Middlings

Van Vex Winter Wheat Bran

Victor Flour Mills, Inc., Pittsford, N. Y.

Victor Spring Wheat Bran with Ground Screenings
Victor Spring Wheat Middlings with Ground Screenings

Hiram Walker & Sons, Inc., Peoria, Ill.

Corn Distillers' Dried Grains

The Watertown Co-op. Assoc., Inc., Watertown, Conn.

Sterling Scratch Grains No Grit

Wayne County Grangers Feed Corp., Clyde, N. Y.

Clyde 20% Dairy Feed
Complete Calf Grower
Cornell Mash with Milk and Cod Liver Oil
Dutchess Scratch Feed
Economy 20% Dairy Feed
Milkproducer 24% Dairy Feed
Satisfaction Laying Mash with Milk and Cod Liver Oil
Superior 20% Dairy Feed
Superior Fitting Ration
Superior Growing Mash with Milk and Cod Liver Oil
Superior Horse Feed
Superior Laying Mash with Milk and Cod Liver Oil

Western Condensing Co., Petaluma, Calif.

Peebles Lacto-G Dried Whey

West-Nesbitt, Inc., Oneonta, N. Y.

All Pure 20% Milk Ration
Ideal 20 Per Cent Dairy Ration
Pure Feed Chick Grains
Pure Feed Dairy Ration
Pure Feed Developer Mash
Pure Feed Egg Maker
Pure Feed Egg Mash
Pure Feed Horse Ration
Pure Feed Scratch Grains
Pure Feed Starting and Growing Mash

C. H. Williamson & Co., Inc., St. Louis, Mo.

Wheat Bran with Ground Screenings

Wilmington Packing Co., Woburn, Mass.

Phoenix Blended Fish Meal

Wolf's Feed Store, Shelton, Conn.

Wolf's Chick Starter
Wolf's Egg Mash (with Cod Liver Oil)
Wolf's Growing Mash with Cod Liver Oil
Wolf's Sweetened 20% Dairy Ration

Worcester Rendering Co., Auburn, Mass.

Prosperity Worcester Fish Meal

Yantic Grain & Products Co., Norwich, Conn.

A1-Mo
Big (Y) All in All Egg Ration
Big (Y) All in All Growing Ration
Big (Y) Breeder Mash
Big (Y) Chick Scratch Grains
Big (Y) Chick Starter with Cod Liver Oil
Big (Y) Complete Chick Starter and Broiler Ration
Big (Y) Dairy, 16%
Big (Y) Dairy, 20%
Big (Y) Dairy, 24%
Big (Y) Fitting Ration

Yantic Grain & Products Co., Norwich, Conn.—(Continued)

Big (Y) Flour Middlings
 Big (Y) Hog and Pig Ration
 Big (Y) Horse Feed
 Big (Y) Intermediate Chick Feed
 Big (Y) Laying Mash with Dried Milk and Cod Liver Meal
 Big (Y) Milk and Oil Growing Feed
 Big (Y) Mixed Feed
 Big (Y) Scratch Feed
 Big (Y) Stock Feed
 Big (Y) Sugared Stock Feed
 Big (Y) Turkey Growing Feed
 Big (Y) Turkey Starter
 Broiler Fattening Mash
 Columbia Dairy Feed
 Columbia Horse Feed
 Columbia Laying Mash
 Columbia Scratch Feed
 Economy Horse Feed
 Milk and Oil Laying Mash
 Open Formula 16% Dairy Ration
 Open Formula Dairy 20%
 Open Formula Dairy 24%
 Purity Dairy Ration 20%
 Purity No Filler Dairy Ration 24%

Vitamin D Carriers

Apothecaries Hall Co., Waterbury, Conn.
 Poultry Cod Liver Oil U.S.P. Non-Destearinated

F. E. Booth Co., Inc., 110 Market St., San Francisco, Calif.
 Improved Sardilene

California Packing Corp., 101 California St., San Francisco, Calif.
 Biotol-85 Biologically Tested Sardine Oil

Consumers Import Co., Inc., 342 Madison Ave., New York, N. Y.
 DELUXE USP Cod Liver Oil

General Molasses Corp., 91 Wall St., New York, N. Y.
 Vitadry

Gorton-Pew Fisheries Co., Ltd., Gloucester, Mass.
 Gorton's G. P. Cod Liver Oil Fortified

Gunning & Gunning, 601 W. 26th St., New York, N. Y.
 Vi-Test "100" Cod Liver Oil
 Vi-Test "400" Fortified Cod Liver Oil

McKesson & Robbins, Inc., 79 Cliff St., New York, N. Y.
 British Cod Liver Oil Poultry USP Destearinated "Sol-Vit-Ax" Brand
 British Cod Liver Oil Poultry USP Non-destearinated "Sol-Vit-Ax" Brand

National Oil Products Co., Inc., Harrison, N. J.
 NOPCO COD LIVER OIL (non-destearinated and not U.S.P. in color and odor)
 NOPCO-X Cod Liver Oil
 NOPCO-XX Cod Liver Oil

Sea Board Supply Co., Inc., 940 N. Front St., Philadelphia, Pa.
 Cod Liver Oil Fortified Medicinal
 Sea Board Cod Liver Oil High Vitamin Medicinal
 Sea Board Cod Liver Oil Poultry Grade Not U.S.P.

Silmo Chemical Corp., Vineland, N. J.
 Silmo Vitamin Oils Silmo XX

E. R. Squibb & Sons, 25 Columbia Heights, Brooklyn, N. Y.
 EXADOL Cod Liver Oil

Vitamol, Inc., 91 Wall St., New York, N. Y.
 Vitamol XX

White Laboratories, Inc., 113 North 13th St., Newark, N. J.
 CLO-TRATE Cod Liver Oil Fortified in Vitamins A and D

INSPECTION

For the year 1939 a total of 1,840 samples of feeding stuffs and related materials have been examined. They are classified as follows:

Concentrated feed stuffs, official samples.....	849
Miscellaneous feeds examined for individuals.....	86
Feeds and other materials examined for poisons.....	89
Pasture grass samples and other fodder materials from Storrs.....	771
Vitamin D carriers.....	45
Total.....	1,840

Samples examined for the Experiment Station at Storrs are in connection with investigations carried on by the Agronomist of that Department and are not for discussion here.

A summary of the results of the inspection and analysis of the official samples of commercial feeding stuffs, other than cod liver oils, is as follows:

Total number of samples.....	849
Samples deficient in:	
one item.....	84
two items.....	11
three items.....	0
Percentage of samples meeting guaranties in all respects.....	89
Total guaranties made.....	2,537 ¹
Guaranties not met:	
protein.....	35
fiber.....	15
fat.....	56
Percentage of guaranties met.....	96

Microscopic examination as to ingredients has shown no substantial variation from the declared composition; and no significant contamination with weed seeds was evident.

Analyses are given in Table 1.

Vitamin D Carriers

R. B. HUBBELL AND E. M. BAILEY.

According to a regulation issued in 1937, vitamin D carriers used as supplements in the feeding of poultry are required to be registered annually with this Station in the same manner and under the same conditions as obtain for feeding stuffs in general. The regulation became effective on January 1, 1938.

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

Manufacturers, jobbers or individuals shipping cod liver oil or other vitamin D carriers into Connecticut will be expected to register the brands so shipped and to pay the necessary registration fee on each brand. A distinct brand name or a distinct vitamin D unitage constitutes a distinct brand.

¹Ten samples with only two guaranties.

In case the manufacturer, jobber or individual outside the State neglects or refuses to register, the local dealer who sells such vitamin D carriers, or offers them for sale, will be held responsible for such registration, registration fees and proper labelling. Dealers within the State who sell or offer for sale vitamin D carriers under their own brand names are responsible for registration and proper labelling thereof.

The samples tested under 1939 registrations were seldom taken from original unopened containers but from those being drawn upon for mixing purposes, or for dispensing in small quantities. Under such circumstances the manufacturer may hold that he cannot accept responsibility for the identity or integrity of the oil. On the other hand, the sample taken represents the article in current use in feeds being mixed at the time, and the article which the customer who purchases in small quantities for home mixing receives.

Samples are tested according to the procedure adopted by the Association of Official Agricultural Chemists, and the purpose of the test is to check the declared unitage of vitamin D under which the oils or other D carriers are sold. Results are evaluated on the basis of composite bone ash figures for experimental groups of chicks fed on a standard basal ration plus the D carrier under test, as compared with control groups fed on the same basal ration plus standard reference oil in like dosages and fed under the same conditions. The dosage of oil or other D carrier under test is calculated on the assumption that the carrier contains the unitage of vitamin D claimed for it.

Samples are rated as satisfactory if results indicate that the unitage claimed is met or exceeded; and they are rated "below standard" if the indications are clear that the potency is less than that claimed. Present experience does not justify too strict an interpretation of results and the classification "passed" is made for borderline samples. Samples below standard are checked by a second test before a report is made. Results are reported to the manufacturer or distributor and to the local dealer whose stock was sampled, which is the procedure followed for feeds in general in the course of regular inspection.

Forty-five samples were examined of which 31 were satisfactory, 11 passed and 3 were below standard.

In preliminary tests made in 1937, of 44 samples tested, 27 were satisfactory, 4 passed and 13 were below standard. In 1938, of 55 samples tested, 42 were satisfactory, 5 passed and 8 were below standard. The proportion of samples definitely below standard has decreased from 30 percent to about 7 percent in the last three years, which indicates that guaranties for D carriers have increased in dependability.

MISCELLANEOUS

Eighty-six samples of commercial feeds and other fodder materials have been submitted by dairymen and others for the usual chemical analysis.

One of these, 3392, was dried citrus pulp which was analyzed as follows: Moisture 12.13%, protein (N x 6.25) 5.75%, fiber 7.98%, fat 2.48%, ascorbic acid (Bessey and King, *J. Biol. Chem.* **103**, 690, 1933), 0.35 mgm. per gm.

Materials Examined for Poisons

C. E. SHEPARD AND E. M. BAILEY

Eighty-nine samples were examined for poisonous or foreign materials. Of these 19 were commercial feeds, or roughages, produced on the farm, and 70 were chiefly specimens of viscera of domestic animals.

Nothing suspicious was found in any of the commercial feeds. Of the fodder materials, a sample of hay (3200) showed evidence of contamination with spray mixture, arsenic and lead being present in the sample in the amounts of 20 milligrams and 40 milligrams, respectively, per pound.

Weeds (3313) were examined in connection with an investigation of the death of two cows. Our information was that cut weeds had been fed recently to the animals in considerable quantity. Soluble oxalates were present in quantity in the weeds, and poke weed, known to be poisonous, was present in the pasture and had evidently been fed upon. Whether this fodder was the cause of death could not be concluded with certainty, but the owner was advised to discontinue feeding it.

Of the 70 samples of viscera, poisonous materials of possible or probable significance as causes of sickness or death were found in 40. Most of these specimens were referred to us by, or on the advice of, the Commissioner on Domestic Animals, the Department of Animal Diseases of the Storrs Experiment Station, State Police Department, veterinarians and other officials. In the summary given below are the poisonous or other foreign materials found by analysis, and the number of specimens in which each was present. It should be made clear that the findings are only the results of objective examinations of specimens submitted. The examinations are usually supplementary to investigations by others and the significance of our findings has to be considered in connection with conditions and circumstances that are not always a part of our records. On the basis of our findings alone, the presence of grosser amounts of such poisons as strychnine, arsenic, lead, thallium and cyanide are sufficient to indicate probable causes of illness or of fatal effects. Larger amounts of lead are usually associated with circumstances in which paint or spray materials were accessible to the animals. The finding of arsenic usually reveals the likelihood of access to spray materials, unless malicious poisoning is indicated. Strychnine suggests the distribution of poisoned bait; and thallium may be acquired through rat paste or insecticides. Excessive amounts (much in excess of 1 percent) of salt are dangerous for young chicks; older birds tolerate more, but the high percentage of salt in the feed that was fed in the case of the ducks (cited in the table), would no doubt be fatal. Cyanides disappear from animal tissues relatively soon and this poison may escape detection unless examination is made promptly. The significance of small amounts of lead is doubtful, but the frequency with which it is found is of interest. When found in the liver (i.e. absorbed), its significance is more direct.

Residues of an alkaloidal nature are often indicated but in most cases the identities are not satisfactorily established. Strychnine is readily identified by chemical tests and generally corroborated by injection into a frog. Atropin and nicotine have been isolated and identified in specimens submitted in other years.

SUMMARY OF MISCELLANEOUS SPECIMENS

Poisons or foreign materials found	No. of specimens	Remarks
Lead	10	In two, quantities ranged from 3 to 7.6 p.p.m. In seven, the range was 13 to 65.8 p.p.m. One specimen contained 762 p.p.m.
Lead and copper	2	Copper much; lead 0.6—3.3 p.p.m. (Stomach contents of dogs).
Lead and Cyanide	1	Cyanide trace; lead 20 p.p.m. (Crop and gizzard of chicks).
Lead and zinc	1	Lead 1.2 p.p.m.; zinc 72 p.p.m. (Chicken livers).
Lead and arsenic	12	Six specimens feces and urine of dogs. In feces, lead 10.2—42.0 p.p.m.; arsenic none or trace. In urine, arsenic .07—30.0 p.p.m.; lead not determined. One specimen, total, viscera of bird, lead 0.39 mgm., arsenic 0.21 mgm. One specimen stomach contents of calf, arsenic 2.1 p.p.m., lead 3.2 p.p.m. Other specimens qualitative only.
Arsenic	1	Stomach contents sheep, arsenic 358 p.p.m. liver 76.8 p.p.m.
Salt	2	Crop and gizzard of duck contained 3.23 % salt (NaCl). Feed (said to be mill sweepings) contained 18.68% salt.
Strychnine	5	Quantities found; .005 gm. to .091 gm. Others qualitative only. Confirmed by biological test on frogs.
Thallium	4	2.91% thallium sulphate in vomitus of dog. Thallium present in liver. Others qualitative only.
Zinc and barium	1	In stomach contents of horse. (Casein paint on hay fed).
Alkaloids	1	Indicated: not identified.

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4096	Albers Bros. Milling Co., Seattle, Wash. Calf Manna.....	New Haven: R. G. Davis & Sons, Inc.....	9.30	26.50	25.00	3.40	5.00	4.36	4.00
4698	Allied Mills, Inc., Chicago, Ill. Pure Corn and Oats Provender....	Plainville: Sunshine Feed Store....	9.88	11.00	9.00	6.20	10.00	3.70	3.50
4702	Red Feather Egg Mash with Forti- fied Sardine Oil.....	Plainville: Sunshine Feed Store....	8.48	18.38	18.00	6.02	8.00	5.01	3.50
4185	Red Feather Scratch Feed.....	Plainville: Sunshine Feed Store....	11.30	9.38	9.00	2.15	4.00	2.52	2.50
4700	Sugarine 20% Dairy Feed.....	Plainville: Sunshine Feed Store....	8.65	22.56	20.00	10.98	12.00	3.63	3.50
4699	Sugarine 24% Dairy Feed.....	Plainville: Sunshine Feed Store....	7.90	26.00	24.00	9.50	12.00	4.65	3.50
4188	Wayne All Mash Poultry Ration..	Plainville: Sunshine Feed Store....	9.32	16.50	15.00	6.95	7.00	4.50	3.50
4701	Wayne-Amco 20% Dairy Ration..	Plainville: Sunshine Feed Store....	8.40	22.75	20.00	7.66	9.00	4.08	4.00
4184	Wayne Chick and Broiler Ration..	Plainville: Sunshine Feed Store....	9.06	18.38	18.00	6.60	8.00	5.76	3.50
4705	Wayne Chick Starter.....	Plainville: Sunshine Feed Store....	7.43	18.19	17.00	5.15	7.00	4.83	4.00
4703	Wayne Egg and Breeder Mash with Fortified Sardine Oil.....	Plainville: Sunshine Feed Store....	8.55	19.25	20.00	6.33	8.00	4.98	3.50
4704	Wayne Growing Mash with Forti- fied Sardine Oil.....	Plainville: Sunshine Feed Store....	8.90	16.31	16.00	5.20	7.00	4.60	3.50
4694	Wayne Horse Feed.....	Plainville: Sunshine Feed Store....	11.40	10.69	9.50	4.63	8.00	3.40	3.00
4187	Wayne 26% Mash Supplement with Fortified Sardine Oil.....	Plainville: Sunshine Feed Store....	8.33	26.63	26.00	8.85	10.00	4.83	3.50

4186	Wayne Pork Maker.....	Plainville: Sunshine Feed Store....	9.40	15.25	14.00	5.70	7.00	4.21	3.50
4182	Wayne Poultry Fattener.....	Plainville: Sunshine Feed Store....	9.03	13.13	13.50	6.25	8.00	5.00	3.50
4706	Wayne Scratch Feed.....	Plainville: Sunshine Feed Store....	9.08	9.75	10.00	1.95	4.00	2.40	2.50
4183	Wayne Turkey Growing Mash with Fortified Sardine Oil.....	Plainville: Sunshine Feed Store... ..	8.86	20.06	20.00	6.10	8.00	5.31	3.50
American Butter Co., Kansas City, Mo.									
2911	Condensed Greenmilk.....	Willimantic: Willimantic Grain Co.	70.46	9.13	8.00	2.76	3.00	1.98	2.00
3127	Dried Greens-Buttermilk.....	Willimantic: Willimantic Grain Co.	7.43	25.00	25.00	10.70	15.00	6.43 ¹	4.00
American Maise-Products Co., New York, N. Y.									
4631	Amaizo Gluten Meal.....	Norwich: Yantic Grain & Products Co.....	8.60	43.25	41.00	4.98	4.00	1.88	1.00
4146	Amaizo Sweetened Gluten Feed...	Bridgeport: Brooklawn Grain & Feed Co.....	10.34	26.25	20.00	6.78	7.00	2.68	1.00
4418	Cream of Corn Gluten Feed.....	Canaan: Community Service, Inc.	11.73	25.38	25.00	7.08	8.50	2.89	2.00
Arcady Farms Milling Co., Chicago, Ill.									
3834	Arcady Complete All Mash Chick Starter.....	Montowese: Osmun's Economy Service.....	10.21	16.63	17.00	6.50	6.00	4.65	4.00
3791	Arcady Complete Broiler Ration..	Clinton: Geo. B. Robinson.....	9.85	17.13	17.00	6.70	6.00	4.88	4.00
3792	Arcady Complete Laying Ration..	Clinton: Geo. B. Robinson.....	10.63	16.75	16.00	5.73	7.00	3.78	4.00
3794	Arcady Growing Mash.....	Clinton: Geo. B. Robinson.....	10.86	16.50	17.00	6.88	7.00	4.35	4.00
3796	Arcady Hog Grower.....	Clinton: Geo. B. Robinson.....	10.85	16.25	15.00	5.63	9.00	3.93	3.50
3793	Arcady Laying Mash.....	Clinton: Geo. B. Robinson.....	10.52	18.00	20.00	6.90	7.00	3.85	4.00
4669	Arcady Scratch Grains.....	New Britain: S. P. Strople.....	10.78	10.13	10.00	1.98	5.00	2.95	2.50
3831	Beets-Oats Horse and Mule Feed..	Montowese: Osmun's Economy Service.....	13.21	9.19	10.00	7.00	11.00	2.56	3.00
3795	Peerless Milk Ration.....	Clinton: Geo. B. Robinson.....	12.05	21.38	20.00	10.13	12.00	3.73	3.00
3798	Sunkist Egg Mash.....	Clinton: Geo. B. Robinson.....	11.16	21.75	20.00	7.70	8.00	4.62	4.00
3797	Sunkist Growing Mash.....	Clinton: Geo. B. Robinson.....	11.09	16.50	16.00	7.40	9.00	4.15	4.00
3833	Sunkist Scratch Grains.....	Montowese: Osmun's Economy Service.....	13.19	9.25	10.00	2.45	5.00	2.71	2.50

¹ Roese-Gottlieb method.

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Sta ion No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Arcady Farms Milling Co.,—Cont. Chicago, Ill.								
4668	Sunkist Scratch Grains	New Britain: S. P. Strople	10.95	10.13	10.00	2.05	5.00	3.00	2.50
3830	Wonder Fattening Mash	Montowese: Osmun's Economy Service	10.43	13.88	12.50	6.18	7.00	6.56	4.00
3832	Wonder Turkey Growing Mash	Montowese: Osmun's Economy Service	10.75	23.00	22.00	5.55	6.00	4.20	4.50
4670	Wonder Turkey Growing Mash	New Britain: S. P. Strople	9.03	21.94	22.00	5.25	6.00	4.85	4.50
	Archer-Daniels-Midland Co., Minneapolis, Minn.								
4076	Archer Brand 41% Protein Soybean Oil Meal	Amston: Amston Mills	9.29	45.13	41.00	4.45	7.00	4.40	4.00
4108	Archer Brand 44% Protein Soybean Oil Meal	Derby: Derby Feed Store	9.90	44.75	44.00	5.33	7.00	1.38	0.50
3828	34 Per Cent Protein Old Process Linseed Meal	Middletown: Meech & Stoddard, Inc.	9.67	33.25	34.00	8.33	9.00	5.01	4.50
	Ashcraft-Wilkinson Co., Atlanta, Ga.								
4465	Cow-Eta Brand 41% Protein Prime Quality Cottonseed Meal	Plantsville: C. A. Cowles, Inc.	5.60	41.88	41.00	9.28	13.00	7.19	5.00
4426	Texsun Citrus Pulp with Molasses	New Milford: Soule Grain Co.	9.70	5.75	5.50	8.60	10.75	2.27	1.85

E. W. Bailey & Co., Montpelier, Vt.									
4650	Bailey's Pennant Brand Laying Mash	New London: B. J. McCarthy	8.80	19.69	20.00	6.68	7.00	4.86	4.50
4651	Bailey's 20 Special	New London: B. J. McCarthy	9.25	20.38	20.00	7.95	9.00	3.53	3.50
4007	Capitol Dairy Ration Sweetened with Molasses, "Complete in Itself"	No. Franklin: Berkman Grain & Coal Co.	9.63	24.75	24.00	7.43	9.00	4.60	4.50
3905	Favorite Dairy Ration Sweetened with Molasses	Wallingford: A. E. Hall	11.29	20.50	20.00	6.95	7.50	4.32	4.00
4707	Pennant Fine Chick Feed	Unionville: Farmington Grain Co.	9.05	11.13	10.00	1.25	3.00	2.25	3.00
4653	Pennant Horse Feed	New London: B. J. McCarthy	9.93	12.69	10.75	5.78	6.50	4.23	3.50
4652	Pennant Scratch Feed	New London: B. J. McCarthy	11.00	9.88	10.00	2.85	6.50	3.28	3.00
Beacon Milling Co., Inc., Cayuga, N. Y.									
4444	Auburn Dairy Feed	Danbury: Barnum Feed Store	10.50	22.13	20.00	6.25	10.00	4.06	3.75
4286	Beacon "16"	Danbury: Barnum Feed Store	9.35	17.88	16.00	6.78	9.00	4.55	4.25
4445	Beacon "20"	Danbury: Barnum Feed Store	9.45	20.75	20.00	6.60	9.00	5.05	4.50
4278	Beacon Battery Broiler Feed (For Battery use only)	Danbury: Barnum Feed Store	6.89	18.69	17.00	5.10	6.00	5.73	4.00
4285	Beacon Battery Laying Ration	Danbury: Barnum Feed Store	7.97	17.25	16.00	6.58	7.75	5.04	4.00
4280	Beacon Broiler Feed	Danbury: Barnum Feed Store	8.02	21.13	18.50	5.40	7.00	4.94	4.00
4287	Beacon Calf Grain	Danbury: Barnum Feed Store	10.00	15.81	14.00	7.50	10.00	4.26	4.00
4293	Beacon Calf Pellets	Southbury: H. H. Stone	9.20	25.25	24.00	3.45	4.00	3.53	3.00
4291	Beacon's Cayuga Horse Feed	Southbury: H. H. Stone	10.52	11.44	10.00	7.53	9.00	3.00	2.50
4294	Beacon's Cayuga Scratch Feed	Southbury: H. H. Stone	11.50	10.06	9.00	2.50	5.00	2.30	2.00
4512	Beacon C-C Pellets (Mfg. under U.S. patent 2056107)	Botsford: G. T. Rasmussen	8.28	18.63	18.00	4.23	5.00	6.75	1.00
4290	Beacon Dairy Ration	Southbury: H. H. Stone	8.80	26.06	24.00	7.40	9.00	4.45	4.50
4443	Beacon Developer Feed	Danbury: Barnum Feed Store	11.65	10.50	10.00	1.68	3.00	3.35	2.50
4275	Beacon Duck Growing Pellets	Danbury: Barnum Feed Store	8.17	18.75	17.00	5.05	6.00	5.10	4.50
4270	Beacon "22" Egg Mash with Buttermilk	Danbury: Barnum Feed Store	7.35	22.94	22.00	6.05	7.50	6.30	4.50
4271	Beacon Fitting Ration	Danbury: Barnum Feed Store	9.43	16.00	14.00	5.65	8.00	4.24	4.00
4272	Beacon Flething Pellets	Danbury: Barnum Feed Store	7.58	17.50	15.00	7.00	7.50	4.75	3.50

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			W	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not less than	Found	Guaranteed not less than
	Beacon Milling Co., Inc.—Cont. Cayuga, N. Y.								
4514	Beacon Goat Ration.....	Botsford: G. T. Rasmussen.....	8.40	20.00	16.00	7.75	10.00	4.55	4.00
4297	Beacon "16" Growing Mash.....	Southbury: H. H. Stone.....	8.61	17.25	16.00	6.93	7.50	5.15	4.00
4277	Beacon "18" Growing Mash.....	Danbury: Barnum Feed Store.....	7.29	18.38	18.00	6.48	7.50	5.53	4.00
4295	Beacon Hog Feed.....	Southbury: H. H. Stone.....	8.90	18.19	18.00	5.13	7.00	4.60	4.00
4442	Beacon Scratch Grains.....	Danbury: Barnum Feed Store.....	12.10	10.00	9.00	2.60	5.00	2.60	2.00
4292	Beacon Special Scratch Grains.....	Southbury: H. H. Stone.....	11.13	9.56	9.00	3.13	5.00	2.91	2.00
4288	Beacon Sweet "20".....	Danbury: Barnum Feed Store.....	10.28	21.38	20.00	6.43	9.00	4.13	4.00
4289	Beacon Sweet "24".....	Danbury: Barnum Feed Store.....	9.20	25.81	24.00	6.93	9.00	4.45	4.00
4708	Beacon Test Cow Ration.....	Unionville: Lawton Miner Co.....	8.93	20.25	18.00	6.70	9.00	5.39	4.75
4273	Beacon Turkey and Game Bird Breeder Mash.....	Danbury: Barnum Feed Store.....	7.19	21.63	22.00	6.55	7.50	5.28	4.00
4276	Beacon Turkey Growing Feed.....	Danbury: Barnum Feed Store.....	7.53	22.75	20.00	5.78	7.00	5.23	4.00
4296	Beacon Turkey Starter.....	Southbury: H. H. Stone.....	8.65	24.75	24.00	4.88	6.00	5.60	4.00
	Berkman Grain & Coal Co., No. Franklin, Conn.								
4625	Nibco Breeder Mash.....	No. Franklin: Berkman Grain & Coal Co.....	8.83	19.81	20.00	5.58	7.00	4.55	4.00
4056	Nibco 20% Dairy Ration.....	No. Franklin: Berkman Grain & Coal Co.....	10.39	22.50	20.00	7.35	9.00	4.93	5.00
4053	Nibco 24% Dairy Ration.....	No. Franklin: Berkman Grain & Coal Co.....	10.56	24.00	24.00	7.13	9.00	4.65	5.00

4005	Nibco Fattening Mash with Fortified Cod Liver Oil.....	No. Franklin: Berkman Grain & Coal Co.....	11.30	17.50	15.00	3.18	5.00	4.19	4.00
4004	Nibco Fine Chick Feed.....	No. Franklin: Berkman Grain & Coal Co.....	12.18	11.13	10.00	2.06	3.00	2.61	3.00
4055	Nibco Fitting Ration.....	No. Franklin: Berkman Grain & Coal Co.....	11.57	14.38	12.50	4.80	7.50	3.91	4.00
4052	Nibco Growing Mash with Fortified Cod Liver Oil.....	No. Franklin: Berkman Grain & Coal Co.....	10.25	16.75	15.00	6.45	7.00	4.55	3.50
4627	Nibco Horse Feed.....	No. Franklin: Berkman Grain & Coal Co.....	11.05	12.38	10.00	5.73	7.00	3.50	3.00
4008	Nibco Laying Mash with Fortified Cod Liver Oil.....	No. Franklin: Berkman Grain & Coal Co.....	9.80	20.00	19.00	5.83	7.00	4.72	4.00
4057	Nibco Scratch Feed.....	No. Franklin: Berkman Grain & Coal Co.....	12.89	10.13	10.00	3.15	6.50	2.73	3.00
4006	Nibco Starter and Broiler Mash with Fortified Cod Liver Oil....	No. Franklin: Berkman Grain & Coal Co.....	9.37	19.63	18.50	5.75	6.00	4.34	3.50
4058	Nibco Stock Feed.....	No. Franklin: Berkman Grain & Coal Co.....	10.02	10.75	9.50	7.28	10.00	4.20	4.00
Bisbee Linseed Co., Inc., Amsterdam, N. Y.									
3764	K & M Brand 32% Protein Old Process Linseed Meal.....	Guilford: Fred C. Morse & Son....	9.37	32.50	32.00	7.85	10.00	5.78	5.00
4727	K & M Brand 34% Protein Old Process Linseed Meal.....	Granby: E. H. Rollins & Sons....	8.88	36.50	34.00	6.93	10.00	6.15	5.00
Bisbee Linseed Co., Inc., Philadelphia, Pa.									
4541	Bisbee Brand 34% Protein Old Process Linseed Meal.....	So. Coventry: E. W. Latimer....	8.73	37.63	34.00	6.50	10.00	6.31	5.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Sta in No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	The Black Rock Milling Corp., Buffalo, N. Y.								
4313	Paramount 20% Dairy Ration....	Woodbury: C. L. Adams.....	9.65	19.00	20.00	10.40	10.00	4.14	4.00
4372	Paramount 20% Dairy Ration....	Torrington: Torrington Grain Co..	8.40	19.81	20.00	9.23	10.00	4.33	4.00
	Blatchford Calf Meal Co., Waukegan, Ill.								
3829	Blatchford's Calf Meal or Pellets...	Middletown: Meech & Stoddard, Inc.....	10.44	27.25	25.00	5.38	6.00	4.35	4.50
	C. W. Brister & Son, Auburn, N. Y.								
4654	Prize Mixed Feed.....	East Wallingford: D. W. Ives.....	9.55	14.06	13.00	6.00	9.00	4.35	3.50
	L. Broder, Colchester, Conn.								
4072	Just Right Egg Mash.....	Colchester: L. Broder.....	10.16	18.63	18.00	6.85	7.00	4.65	3.50
4071	Just Right Growing Mash.....	Colchester: L. Broder.....	10.73	19.75	18.00	5.73	6.00	5.06	4.00
4073	L. B. Milk Ration.....	Colchester: L. Broder.....	10.15	21.88	20.00	6.80	8.50	4.80	4.00
	The Brooklawn Grain & Feed Co., Bridgeport, Conn.								
4151	Brooklawn Egg Mash.....	Bridgeport: Brooklawn Grain & Feed Co.....	9.65	18.75	20.00	6.15	6.00	4.63	5.00

4147	Brooklawn 20% Dairy Ration.....	Bridgeport: Brooklawn Grain & Feed Co.....	8.57	22.06	20.00	8.95	9.00	4.50	4.50
4143	Brooklawn Growing Mash.....	Bridgeport: Brooklawn Grain & Feed Co.....	9.39	18.94	17.00	6.33	6.00	4.61	4.50
4142	Brooklawn Starter and Broiler....	Bridgeport: Brooklawn Grain & Feed Co.....	9.17	17.88	18.00	4.93	5.00	4.58	4.00
The Buckeye Cotton Oil Co., Cincinnati, Ohio									
4789	Buckeye 41% Protein Soybean Oil Meal.....	Norwich: Yantic Grain & Products Co.....	7.10	44.88	41.00	5.45	7.00	5.28	4.50
C. Buckingham & Co., Southport, Conn.									
4189	C. B. Dairy.....	Southport: C. Buckingham & Co..	10.82	23.50	22.81	8.73	9.40	4.73	4.61
4195	C. B. Egg Mash.....	Southport: C. Buckingham & Co..	9.10	21.13	19.00	6.38	8.00	4.65	5.00
4196	C. B. Growing Mash.....	Southport: C. Buckingham & Co..	9.78	16.25	15.00	4.53	6.00	3.74	4.00
C. W. Burckhalter, Inc., New York, N. Y.									
4610	Burck-Brand Powdered Skim Milk for Animal Feed.....	Dayville: Dayville Grain & Feed Co.....	4.95	36.88	32.00	....	....	1.00	0.75
The C. W. Campbell Co., Westerly, R. I.									
3966	Best Pig and Hog Ration.....	Mystic: C. W. Campbell Co.....	9.09	15.94	15.00	5.78	8.00	5.27	4.50
3962	CamCo Horse Feed.....	Mystic: C. W. Campbell Co.....	12.10	11.81	10.00	6.10	10.00	3.25	3.00
3973	CamCo Laying Mash.....	Westerly: C. W. Campbell Co.....	9.45	17.69	17.00	6.28	6.50	4.52	4.00
4641	CamCo Scratch Grains.....	Westerly: C. W. Campbell Co.....	11.18	12.00	10.00	1.93	5.00	2.85	2.00
3958	Campbell's 20% Dairy Ration....	Groton: C. W. Campbell Co.....	10.78	19.75	20.00	7.20	9.00	3.77	4.00
3968	Creamline Dairy Ration.....	Westerly: C. W. Campbell Co.....	10.44	17.00	16.00	9.70	12.00	3.76	4.00
3969	16% Dairy Ration.....	Westerly: C. W. Campbell Co.....	4.92	18.75	16.00	6.75	8.00	4.16	4.00
4649	Egg-O Chick Feed.....	Westerly: C. W. Campbell Co.....	10.63	11.13	10.00	1.63	5.00	3.34	2.00
4642	Egg-O Chick Starter and Broiler Ration.....	Westerly: C. W. Campbell Co.....	9.43	19.63	18.00	5.20	6.00	4.85	4.00
4640	Egg-O Growing Feed.....	Westerly: C. W. Campbell Co.....	9.00	20.75	18.00	5.35	8.00	4.44	4.00
4648	Egg-O Intermediate Chick Grains.	Westerly: C. W. Campbell Co.....	10.75	11.56	10.00	1.73	5.00	3.60	2.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	The C. W. Campbell Co.—Cont Westerly, R. I.								
3964	Egg-O Laying Mash.....	Mystic: C. W. Campbell Co.....	10.00	18.44	18.00	6.08	8.00	4.70	4.00
3965	Egg-O Scratch Grains.....	Mystic: C. W. Campbell Co.....	11.90	11.00	10.00	3.03	5.00	2.78	2.00
4764	Egg-O Turkey Grower.....	Westerly: C. W. Campbell Co.....	9.70	21.25	20.00	6.28	8.00	5.00	5.00
3974	14% Fitting Ration.....	Westerly: C. W. Campbell Co.....	11.33	12.88	14.00	6.05	8.00	4.18	4.00
3971	Lassagrass.....	Westerly: C. W. Campbell Co.....	12.66	11.81	10.00	11.71	16.00	1.60	2.00
3967	Milky Ration.....	Westerly: C. W. Campbell Co.....	10.21	18.44	20.00	8.73	9.00	4.00	4.00
3975	Provender.....	Westerly: C. W. Campbell Co.....	10.44	11.38	10.00	5.83	8.00	3.73	4.00
3963	Supreme Scratch Grains.....	Mystic: C. W. Campbell Co.....	12.24	10.88	10.00	2.65	5.00	2.71	2.00
	The A. B. Caple Co., Toledo, Ohio								
4735	Alfalfa Meal.....	Thompsonville: Geo. S. Phelps & Co.	8.85	15.31	13.00	29.35	33.00	1.93	1.00
4158	Capex Dehydrated Alfalfa Leaf Meal.....	West Cheshire: Cheshire Grain & Coal Co.....	6.91	21.50	20.00	17.48	18.00	4.00	2.00
	Center Milk Products Co., Middlebury Center, Pa.								
3995	Center Dried Skim Milk.....	Norwich: A. E. Shedd Co.....	7.58	32.50	33.00	....	....	1.00	1.00
	Central Soya Co., Inc., Fort Wayne, Ind.								
4634	Central Star Brand Soybean Oil Meal.....	Norwich Yantic Grain & Products Co.....	9.95	46.50	44.00	5.03	7.00	0.90	0.50

4523	S. J. Cherry & Sons, Ltd., Preston, Ontario, Canada Bran.....	Rockville: Rockville Grain & Coal Co.....	8.45	15.63	14.00	8.78	11.50	4.44	3.50
3759	Clinton Co., Clinton, Iowa Clinton Corn Gluten Feed.....	Guilford: Fred C. Morse & Son....	11.49	26.50	25.00	6.45	8.50	4.30	2.00
4067	Coatsworth & Cooper, Toronto, Canada "C and C" Wheat Bran.....	Colchester: J. Boretz.....	10.91	16.13	15.00	9.28	11.50	4.37	3.50
3861	The Coles Feed & Grain Co., Inc., Middletown, Conn. Fortune Chick Starter with Clotrate	Middletown: Coles Feed & Grain Co.....	10.13	19.88	18.50	6.58	5.00	4.27	4.00
3863	Fortune Egg Mash with Clotrate..	Middletown: Coles Feed & Grain Co.....	10.55	20.63	17.00	6.13	9.00	4.60	3.50
3862	Fortune Growing Mash with Clo- trate.....	Middletown: Coles Feed & Grain Co.....	10.35	17.75	18.00	6.28	5.00	4.53	4.00
3742	Commander-Larabee Milling Co., Minneapolis, Minn. Sunfed Wheat Bran with ground screenings.....	Branford: S. V. Osborn Estate....	11.19	16.06	14.00	10.60	12.00	5.29	4.00
3741	Sunfed Wheat Standard Middlings with ground screenings.....	Branford: S. V. Osborn Estate....	10.62	17.81	15.00	8.28	9.50	5.05	4.00
4415	Community Service, Inc., Canaan, Conn. Community Complete Pig Feed...	Canaan: Community Service, Inc..	9.68	15.13	14.00	6.10	8.00	5.71	4.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fib er		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Community Service, Inc.—Cont. Canaan, Conn.								
4406	Community 20% Dairy Ration...	Canaan: Community Service, Inc..	3	22.06	20.00	7.90	9.50	5.60	4.00
4409	Community 20% Dairy Ration "Thrft-Brand".....	Canaan: Community Service, Inc..	9.88	20.25	20.00	8.68	11.00	5.30	4.00
4413	Community Fitting Ration.....	Canaan: Community Service, Inc..	10.40	15.63	14.00	8.13	8.50	5.23	3.50
4408	Community Horse Feed with Mo- lasses.....	Canaan: Community Service, Inc..	11.38	11.13	9.50	5.23	9.50	4.38	3.00
4410	Community Pasture Ration.....	Canaan: Community Service, Inc..	9.85	18.94	16.00	9.45	12.00	5.01	3.50
4411	Community Poultry Mash.....	Canaan: Community Service, Inc..	9.53	19.44	18.00	5.23	6.50	4.78	4.00
4407	Community Scratch Feed.....	Canaan: Community Service, Inc..	11.25	11.06	9.00	2.30	5.00	2.68	2.00
4414	Community Starter and Grower Mash.....	Canaan: Community Service, Inc..	10.10	17.75	17.00	4.70	6.50	4.23	4.00
4412	Community Test Cow Ration....	Canaan: Community Service, Inc..	10.08	18.88	18.00	7.50	9.00	5.98	4.50
4416	Cornell Calf Starter.....	Canaan: Community Service, Inc..	9.63	17.63	16.00	5.88	8.00	4.15	3.00
	Consolidated Rendering Co., Boston, Mass.								
4197	Corenco Cod and Haddock Meal..	Southport: C. Buckingham & Co..	8.43	64.00	62.00	....	....	4.68	2.00
3983	Corenco 45% Meat and Bone Scrap "The Eggs Pay for It".....	Norwich: Norwich Grain Co.	6.31	45.00	45.00	....	....	9.23	6.00
4100	Corenco 50% Meat and Bone Scrap "The Eggs Pay for It".....	New Haven: R. G. Davis & Sons, Inc.....	7.38	48.31	50.00	....	....	8.01	6.00

3996	Corenco 55% Meat Scrap "The Eggs Pay for It".....	Norwich: Checker Board Feed Store	6.97	53.50	55.00	.....	.....	9.85	6.00
	Copeland Flour Mills, Ltd., Midland, Ontario, Canada								
3821	Copeland's "Dandy Wheat Bran".....	Middletown: Meech & Stoddard, Inc.....	12.68	16.25	17.00	10.08	11.50	5.04	3.50
3825	Copeland's "Dandy Wheat Shorts".....	Middletown: Meech & Stoddard, Inc.....	12.30	19.50	18.00	6.33	8.00	5.63	5.00
	Corn Products Refining Co., New York, N. Y.								
3910	Buffalo Corn Gluten Feed.....	Wallingford: A. E. Hall.....	10.63	26.50	25.00	7.43	8.50	2.17	2.00
4074	Diamond Corn Gluten Meal.....	Colchester: L. Broder.....	7.88	42.00	41.00	3.53	4.00	2.74	1.00
	C. A. Cowles, Inc., Plantsville, Conn.								
4120	Cowles' Blue Seal Growing Mash..	Milford: C. A. Cowles, Inc.....	9.72	19.31	16.00	6.00	7.50	4.78	4.00
4460	Cowles' Blue Seal Hog and Pig Feed	Plantsville: C. A. Cowles, Inc.....	9.00	16.75	18.50	6.48	6.00	4.60	5.00
4459	Cowles' Blue Seal Horse Feed with Molasses.....	Plantsville: C. A. Cowles, Inc.....	14.23	11.62	10.00	5.68	10.00	3.82	3.00
4119	Cowles' Blue Seal Laying Mash.....	Milford: C. A. Cowles, Inc.....	9.60	20.13	19.00	6.20	7.50	4.68	4.00
4132	Cowles' Broiler and Starting Mash	Milford: C. A. Cowles, Inc.....	9.98	18.38	18.00	5.30	8.00	4.36	4.50
4457	Cowles' 20% Dairy Ration.....	Plantsville: C. A. Cowles, Inc.....	9.65	22.75	20.00	7.53	10.00	4.56	4.50
4458	Cowles' 24% Dairy Ration.....	Plantsville: C. A. Cowles, Inc.....	9.38	24.25	24.00	7.18	10.00	4.95	4.50
4463	Cowles' Fitting and Calf Ration...	Plantsville: C. A. Cowles, Inc.....	10.00	15.06	12.00	6.35	9.00	4.84	4.00
4133	Cowles' Plantsville Dairy Ration..	Milford: C. A. Cowles, Inc.....	11.15	20.94	20.00	9.38	12.00	4.56	3.50
	Chas. M. Cox Co., Boston, Mass.								
4530	Rex Wheat Bran with ground screenings.....	Stafford Springs: Valley Grain Co..	9.03	14.88	15.00	10.18	12.00	4.98	3.50
4478	Rex Wheat Middlings with ground screenings.....	Stepney: Wirthmore Grain & Coal Co.....	9.70	15.25	16.00	7.48	9.00	5.18	5.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Crawford Bros., Inc., Walton, N. Y.								
4554	Crawford Fitting Ration.....	Eastford: Wm. S. Warren.....	10.08	15.31	13.00	4.88	12.00	3.18	4.00
4077	Crawford Horse Feed with Alfalfa and Cane Molasses.....	Amston: Amston Mills.....	13.08	10.00	9.00	8.70	10.00	2.54	2.50
3930	Crawford Scratch Grains.....	Meriden: Meriden Grain & Coal Co.	12.27	11.38	12.00	2.60	5.00	2.35	2.50
4544	Economy Laying Mash.....	Eastford: Wm. S. Warren.....	8.15	20.06	20.00	6.25	7.00	5.55	4.00
4549	Economy Starting and Growing Mash.....	Eastford: Wm. S. Warren.....	8.43	20.00	19.00	5.50	8.00	5.04	4.00
5089	Hoyt's 20% Dairy Feed.....	Middletown: Coles Feed & Grain Co.....	7.50	18.25	20.00	6.40	8.00	4.03	4.00
3927	20% Producer.....	Meriden: Meriden Grain & Coal Co.	11.46	20.88	20.00	5.08	9.00	3.03	4.00
4742	U.V.C. Feed with Molasses.....	Hazardville: E. B. Buck.....	9.53	22.75	16.00	6.90	13.00	3.58	3.00
	P. Cutler, Inc., Colchester, Conn.								
4059	Prosperity 20% Dairy Ration.....	Colchester: P. Cutler, Inc.....	10.77	19.75	20.00	8.55	11.00	4.41	3.50
4060	Prosperity 24% Dairy Ration.....	Colchester: P. Cutler, Inc.....	11.54	23.31	24.00	7.75	11.00	4.21	3.50
4784	Prosperity Laying Mash.....	Colchester: P. Cutler, Inc.....	8.23	20.75	16.00	7.15	10.00	5.55	4.00
4783	Prosperity Scratch Grains.....	Colchester: P. Cutler, Inc.....	10.20	9.44	10.00	2.93	6.00	2.65	2.00
4787	Prosperity Stock Feed.....	Colchester: P. Cutler, Inc.....	7.55	10.19	9.00	10.53	12.00	5.30	4.00

	A. O. Dailey & Sons, Inc., Binghamton, N. Y.								
4261	Dailey's Baby Chick Grains.....	New Milford: W. L. Richmond & Son	10.48	11.25	9.00	1.93	5.00	4.06	2.50
4262	Dailey's Fitting Ration.....	New Milford: W. L. Richmond & Son	9.99	15.38	14.00	6.65	7.00	3.45	4.00
4687	Dailey's Hog Ration.....	Plainville: State Farmers' Co-op. .	9.43	18.63	16.00	5.53	8.00	5.25	3.50
4782	Dailey's Horse Feed (W.M.).....	No. Westchester: Solomon Bros. . .	9.28	12.13	9.00	7.00	10.00	3.21	3.00
4425	Dailey's Quality Service Wheat Feed.....	Kent: H. H. Taylor & Son.....	10.13	17.81	15.00	6.68	9.00	4.41	4.00
5090	Dailey's Special Laying Mash.....	Middletown: Coles Feed & Grain Co.....	10.10	21.19	20.00	5.93	7.50	4.78	4.00
4260	Dailey's Special Scratch Grains....	New Milford: W. L. Richmond & Son	11.45	10.88	9.00	2.95	5.00	2.93	2.50
3864	Dailey's "Super" 20 Dairy Ration (W.M.).....	Middletown: Coles Feed & Grain Co.....	12.04	22.25	20.00	6.60	12.00	3.69	4.00
4166	Dailey's "Super" 20 Dairy Ration (W.M.).....	Southington: Louis Perillo Coal Co.	9.71	23.25	20.00	8.03	12.00	4.14	4.00
	Dairymen's League Co-op. Assoc., Inc., New York, N. Y.								
3874	Dairylea Choice Feed Grade Dried Skim Milk for Animal and Poul- try Feed.....	Wallingford A. E. Hall	7.51	33.75	33.00	....	....	0.60	0.50
	R. G. Davis & Sons, Inc., New Haven, Conn.								
4113	Basic Dairy Ration.....	Milford: Milford Grain Co.....	9.88	21.38	20.00	7.03	9.00	4.50	4.00
4765	Davis Complete Egg Mash.....	New Haven: R. G. Davis & Sons, Inc.....	9.35	17.75	16.00	6.55	8.00	5.06	3.50
4343	Davis 20% Dairy Ration.....	Ansonia: Ansonia Flour & Feed Co.	10.40	22.63	20.00	9.20	12.00	3.80	3.50
4094	Davis Egg Mash.....	New Haven: R. G. Davis & Sons, Inc.....	9.96	19.69	18.00	5.75	6.00	4.88	4.00
3788	Davis Growing Mash.....	Clinton: Clinton Grain Co.....	10.30	15.50	15.00	5.33	6.00	4.40	4.00
3785	Davis Horse Feed.....	Clinton: Clinton Grain Co.....	14.21	9.75	9.00	7.10	10.00	3.08	2.00
4101	Davis Scratch Feed.....	New Haven: R. G. Davis & Sons, Inc.....	11.76	11.75	10.00	2.35	5.00	3.57	2.00
4095	Davis Stock Feed.....	New Haven: R. G. Davis & Sons, Inc.....	8.89	12.3	10.00	13.83	14.00	4.00	2.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4580	Decatur Milling Co., Inc., Decatur, Ill. Homco Hominy Feed.....	Quinebaug: M. T. Dart.....	8.48	12.50	10.00	5.30	6.00	8.47	6.00
4396	Delaware Mills, Inc., Deposit, N. Y. Delaware 85% Horse Feed.....	Winsted: Chas. R. Hawley.....	24.98	9.33	9.00	4.73	9.00	2.87	3.00
4441	Delaware Intermediate Chick Grains.....	Danbury: Barnum Feed Store.....	12.10	9.88	10.00	1.98	3.00	3.70	2.50
3872	Delaware Scratch Grains.....	New Haven: Moran-Patton Co....	13.13	10.19	10.00	2.75	3.00	2.73	2.50
4755	Delaware Stock Feed.....	Glastonbury: S. Melzen.....	6.13	9.06	9.00	12.85	12.00	3.68	3.00
4394	Delaware Sweet 20% Dairy Feed..	Winsted: Chas. R. Hawley.....	10.00	21.19	20.00	6.68	10.00	4.28	4.50
4066	Delaware Sweet 24% Dairy Feed..	Colchester: J. Boretz.....	10.86	25.00	24.00	6.55	9.00	4.84	4.50
4397	Delco 20% Dairy Feed.....	Winsted: Chas. R. Hawley.....	9.08	20.06	20.00	8.48	11.00	4.40	4.00
4281	Delco Laying Mash (with Dried Skim Milk).....	Danbury: Barnum Feed Store.....	8.11	17.38	17.00	5.88	9.00	4.78	4.00
3865	Indian Laying Mash (with Dried Skim Milk and Cod Liver Oil) ..	New Haven: Moran-Patton Co....	10.65	1 .63	18.00	6.40	8.00	4.24	4.00
4065	Indian Sweet 20% Dairy Feed....	Colchester: J. Boretz.....	11.12	2 .50	20.00	9.80	12.00	3.73	3.50
4070	Indian Sweet 24% Dairy Feed....	Colchester: J. Boretz.....	11.24	2 .50	24.00	9.28	12.00	3.70	3.50

	The Denver Alfalfa Milling & Products Co., Lamar, Colo.								
4317	13% Protein Dehydrated Alfalfa Meal.....	Thompsonville: Geo. S. Phelps & Co.....	7.83	12.13	13.00	30.28	33.00	1.90	1.00
4647	17% Protein Dehydrated Alfalfa Meal.....	Norwich: Checkerboard Feed Store	7.10	14.06	17.00	24.00	27.00	2.25	1.50
3999	20% Protein Dehydrated Alfalfa Meal.....	Norwich: Checkerboard Feed Store	7.52	22.25	20.00	16.53	18.00	3.47	2.50
	Derby Feed Store, Derby, Conn.								
4102	Litsky's Laying Mash with Butter-milk and Cod Liver Oil.....	Derby: Derby Feed Store.....	9.73	18.19	18.00	5.93	7.00	4.93	4.00
	Dietrich & Gambrell, Inc., Frederick, Md.								
4612	All Purpose Complete Ration.....	Danielson: Young Bros. Co.....	8.70	17.13	15.00	5.28	7.00	4.53	4.00
4614	D & G Calf Meal.....	Danielson: Young Bros. Co.....	8.50	23.56	21.00	4.03	3.50	4.21	4.00
4080	D & G Dairy Feed.....	Amston: Amston Mills.....	10.39	20.50	20.00	9.78	12.00	4.19	4.00
4613	Frederick Stock Feed.....	Danielson: Young Bros. Co.....	8.43	9.38	7.50	9.68	12.00	4.13	3.00
4622	Gambrell's Chick Grains.....	Brooklyn: A. D. Pierce.....	10.85	11.44	10.00	1.26	3.00	2.93	2.50
3991	Gambrell's Laying Mash.....	Norwich: A. E. Shedd Co.....	9.57	20.75	20.00	5.53	7.00	5.08	4.00
3990	Gambrell's Scratch Feed.....	Norwich: A. E. Shedd Co.....	12.42	10.50	10.00	2.15	4.00	2.91	2.50
	Eastern Semolina Mills, Baldwinsville, N. Y.								
4364	Dairy Special Fancy Mixed Wheat Feed with Mill Run Ground Screenings.....	Watertown: Watertown Co-op. Assoc.....	11.83	15.31	15.50	4.85	8.00	4.45	5.00
	Eastern States Farmers' Exchange, Springfield, Mass.								
4244	Eastern States All-Mash Breeder..	Bethel: Eastern States Branch....	8.16	17.00	15.50	5.38	5.50	5.04	4.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Eastern States Farmers' Exchange—Cont. Springfield, Mass.								
4253	Eastern States All-Mash Developer	Bethel: Eastern States Branch . . .	9.35	15.50	14.50	5.25	5.50	4.38	3.50
4251	Eastern States All-Mash Egg	Bethel: Eastern States Branch . . .	9.23	17.25	15.50	5.35	5.50	4.96	4.00
4252	Eastern States Breeder Mash, Pellets	Bethel: Eastern States Branch . . .	8.30	19.31	20.00	5.63	6.00	4.80	4.00
4716	Eastern States Calf Starter, Pellets	East Hartford: Eastern States Branch	7.83	24.44	23.00	3.88	4.00	4.93	4.00
4250	Eastern States Developer, Pellets . .	Bethel: Eastern States Branch . . .	8.35	19.44	18.50	6.30	6.50	4.74	3.75
4379	Eastern States Duck-Start and Grow	Torrington: Eastern States Branch	9.03	16.44	16.00	5.15	6.00	4.75	4.00
4088	Eastern States Egg Mash, Pellets . .	Willimantic: Eastern States Branch	9.00	19.31	20.00	6.25	6.50	5.05	4.00
4717	Eastern States Fattener (Pellets) . .	East Hartford: Eastern States Branch	7.75	15.63	14.50	4.45	5.00	4.93	4.00
4081	Eastern States Fitting Ration	Willimantic: Eastern States Branch	10.90	14.38	12.00	7.00	8.50	4.00	3.50
4087	Eastern States Flushing	Willimantic: Eastern States Branch	9.14	20.31	18.50	3.43	4.50	3.81	3.00
4719	Eastern States Fulpail	East Hartford: Eastern States Branch	8.43	20.31	20.00	7.20	8.50	4.14	4.00
4381	Eastern States Ground Corn-Oats . .	Torrington: Eastern States Branch	10.13	11.25	10.00	4.58	7.00	3.88	4.00
4249	Eastern States Highland 16	Bethel: Eastern States Branch . . .	8.16	16.13	16.00	9.78	11.00	4.79	4.00
4374	Eastern States Highland 20	Torrington: Eastern States Branch	8.65	21.19	20.00	9.43	11.50	4.14	4.00
4375	Eastern States Hog Meal	Torrington: Eastern States Branch	9.15	16.00	15.00	3.93	5.00	4.30	3.50

4082	Eastern States Horse Feed.....	Willimantic: Eastern States Branch	12.15	12.38	10.50	5.75	7.00	3.50	3.50
4085	Eastern States Intermediate Scratch	Willimantic: Eastern States Branch	12.09	10.44	9.50	1.78	3.00	2.00	2.00
4243	Eastern States Milkmore.....	Bethel: Eastern States Branch....	9.15	24.63	24.00	7.20	8.50	4.81	4.50
4720	Eastern States Scratch-Cracked...	East Hartford: Eastern States Branch.....	9.05	12.00	10.00	2.75	4.50	3.11	2.50
4722	Eastern States Scratch—1931.....	East Hartford: Eastern States Branch.....	8.03	11.94	9.50	2.13	3.00	2.75	2.50
4083	Eastern States Sheep and Goat, Pellets.....	Willimantic: Eastern States Branch	10.00	16.25	16.00	5.83	7.50	4.06	3.50
4373	Eastern States Sixteen.....	Torrington: Eastern States Branch	9.43	18.38	16.00	6.55	8.00	4.28	4.00
4721	Eastern States Succulence.....	East Hartford: Eastern States Branch.....	8.28	13.50	10.00	16.25	18.00	2.74	1.50
4790	Eastern States 32% Supplement Feed.....	Norwich: Eastern States Branch..	8.45	33.25	32.00	7.10	8.00	4.75	4.50
4380	Eastern States Turkey-Fat, Pellets	Torrington: Eastern States Branch	8.90	19.19	20.00	4.83	6.00	4.75	4.00
4718	Eastern States Turkey-Grow, Pellets	East Hartford: Eastern States Branch.....	6.65	20.94	20.00	4.90	5.50	5.28	4.00
4084	Eastern States Turkey-Start, Pellets	Willimantic: Eastern States Branch	8.77	24.81	25.00	4.38	5.00	4.25	4.50
B. A. Eckhart Milling Co., Chicago, Ill.									
4775	Ecko Pure Wheat Bran.....	Saugatuck: Saugatuck Grain Co...	9.50	17.25	14.00	9.55	12.00	4.85	3.50
Elmore Milling Co., Inc., Oneonta, N. Y.									
4743	Elmore Chixsaver.....	Hazardville: E. B. Buck.....	7.30	19.63	18.00	5.65	6.00	4.76	4.00
4570	Elmore Complete Laying Ration..	Pomfret: E. Rondeau.....	9.28	17.31	16.00	5.23	6.00	4.73	4.00
3733	Elmore Complete Market Mash...	East Haven: Albert Fige.....	10.79	17.13	15.00	5.63	8.00	4.38	4.00
4688	Elmore Complete Starter-Broiler..	Plainville: W. S. Eaton.....	10.20	19.13	18.00	6.23	6.00	3.83	4.00
4105	Elmore Egg Mash.....	Amston: Amston Mills.....	9.50	19.69	17.00	6.13	8.00	4.85	4.00
3732	Elmore Fleshing Pellets.....	East Haven: Albert Fige.....	10.08	19.38	15.00	4.80	6.00	4.41	5.00
4744	Elmore Growing Mash.....	Hazardville: E. B. Buck.....	7.35	19.63	17.00	5.85	8.00	5.10	4.00
4573	Elmore Horse Feed with Molasses.	Pomfret: E. Rondeau.....	11.23	11.81	9.00	5.80	11.00	3.65	2.50
3731	Elmore M.A.C. Laying Mash.....	East Haven: Albert Fige.....	10.62	19.50	18.00	6.58	7.00	4.79	5.00
4569	Elmore Milk Grains "Twenty"....	Pomfret: E. Rondeau.....	9.68	19.88	20.00	7.83	10.00	4.36	5.50
4797	Elmore Scratch Feed.....	Beacon Falls: Service Grain Store..	9.88	11.50	10.00	2.65	7.00	2.70	2.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)							
			Water	Protein (N x 6.25)		Fiber		Fat		
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than	
	Elmore Milling Co., Inc.—Cont. Oneonta, N. Y.									
4574	Elmore Stock Feed.....	Pomfret: E. Rondeau.....	10.05	9.75	10.00	12.20	12.00	4.05	3.00	
3730	Elmore Turkey Growing Mash....	East Haven: Albert Fige.....	9.98	21.25	20.00	6.28	8.00	5.48	3.50	
3912	Emco Scratch Feed.....	Wallingford: Laden Bros. Co., Inc.	12.70	11.50	10.00	2.50	7.00	2.50	2.50	
4572	Granger 20% Dairy Ration.....	Pomfret: E. Rondeau.....	9.53	21.88	20.00	9.95	11.00	3.70	4.00	
4571	Granger 24% Dairy Ration.....	Pomfret: E. Rondeau.....	10.28	22.38	24.00	8.60	10.00	3.85	4.00	
4078	Waldorf 20% Dairy Ration.....	Amston: Amston Mills.....	10.62	21.25	20.00	10.58	11.00	3.68	4.00	
	John W. Eshelman & Sons, Lancaster, Pa.									
4711	Eshelman Certified 20% Dairy Ration.....	Simsbury: H. B. Bunnell & Co....	8.13	21.50	20.00	6.93	8.00	4.26	4.00	
3867	Eshelman Conestoga 20 Dairy Feed	New Haven: Moran-Patton Co....	11.22	21.63	20.00	9.88	11.00	4.00	4.00	
4229	Eshelman Garden Spot Horse Feed	Cos Cob: Belmont Feed Co.....	16.23	8.93	7.00	7.12	11.00	3.13	2.00	
4258	Eshelman Lancaster 60 Horse Feed	Bethel: Morrison & Dunham.....	11.45	10.50	9.00	8.90	11.00	3.20	2.50	
4255	Eshelman Lancaster Scratch Grains	Bethel: Morrison & Dunham.....	11.50	9.25	9.00	2.45	4.00	2.67	2.50	
4227	Eshelman Pennsy 16 Dairy Feed..	Cos Cob: Belmont Feed Co.....	9.84	19.50	16.00	10.25	11.00	3.95	3.00	
4299	Eshelman Red Rose All-Mash Starter and Grower with Cod Liver Oil.....	Southbury: H. H. Stone.....	8.25	18.50	16.00	6.58	7.00	4.40	4.00	
3994	Eshelman Red Rose Broiler Ration with Cod Liver Oil.....	Norwich: A. E. Shedd Co.....	9.24	20.75	17.00	7.08	7.50	4.90	4.50	

4712	Eshelman Red Rose Calf Starter..	Simsbury: H. B. Bunnell & Co....	8.08	21.94	22.00	3.30	5.00	4.50	4.00
4231	Eshelman Red Rose Chick Grains.	Cos Cob: Belmont Feed Co.....	10.87	11.00	10.00	1.75	3.00	4.44	3.00
4298	Eshelman Red Rose Complete Laying Mash with Cod Liver Oil....	Southbury: H. H. Stone.....	9.05	17.00	15.00	5.10	6.00	4.78	4.00
4814	Eshelman Red Rose 16 Dairy Feed	New Haven: Moran-Patton Co....	9.15	20.50	16.00	7.73	11.00	4.55	4.50
3869	Eshelman Red Rose 20 Dairy Feed	New Haven: Moran-Patton Co....	11.07	21.63	20.00	7.63	11.00	4.02	4.00
4226	Eshelman Red Rose 24 Dairy Feed	Cos Cob: Belmont Feed Co.....	14.80	26.50	24.00	7.03	11.00	4.25	4.00
3993	Eshelman Red Rose Fattening Mash.....	Norwich: A. E. Shedd Co.....	9.64	16.38	14.00	4.33	5.50	4.76	4.50
4813	Eshelman Red Rose Fitting Ration	New Haven: Moran-Patton Co....	9.70	15.63	12.00	6.68	7.00	5.18	3.50
3870	Eshelman Red Rose Growing Mash with Cod Liver Oil.....	New Haven: Moran-Patton Co....	10.08	20.50	16.00	6.67	7.50	4.31	4.00
3909	Eshelman Red Rose 85 Horse Feed	Wallingford: A. E. Hall.....	13.43	12.69	9.00	5.43	10.00	3.86	3.00
4256	Eshelman Red Rose Intermediate Chick Grains.....	Bethel: Morrison & Dunham.....	11.64	10.13	10.00	1.85	3.00	3.80	3.00
3871	Eshelman Red Rose Laying Mash with Cod Liver Oil.....	New Haven: Moran-Patton Co....	10.50	22.88	20.00	7.03	7.50	5.05	5.00
4257	Eshelman Red Rose Pig and Hog Meal.....	Bethel: Morrison & Dunham.....	9.46	18.50	16.00	6.83	10.00	4.35	5.00
4225	Eshelman Red Rose Scratch Grains	Cos Cob: Belmont Feed Co.....	12.58	9.69	10.00	2.10	4.00	2.40	2.50
4230	Eshelman Red Rose Stock Feed...	Cos Cob: Belmont Feed Co.....	9.35	10.25	9.00	9.55	12.00	4.28	3.00
3989	Eshelman Red Rose Turkey Grower with Cod Liver Oil.....	Norwich: A. E. Shedd Co.....	9.77	20.63	18.00	7.38	8.00	4.50	4.25
4224	Eshelman Red Rose Turkey Starter with Cod Liver Oil.....	Cos Cob: Belmont Feed Co.....	9.05	23.44	24.00	6.55	6.00	5.25	4.50
4368	Eshelman S-O-S.....	Thomaston: Thomaston Supply Co.	9.45	14.13	11.00	14.48	15.00	2.48	2.00
4730	Eshelman Steam-Cooked Horse Feed.....	Suffield: Spencer Bros.....	8.25	10.88	9.00	4.60	6.00	4.53	4.00
	Excelsior Milling Co., Minneapolis, Minn.								
4611	Camel Wheat Mixed Feed.....	Dayville: Dayville Grain & Feed Co.....	8.60	15.81	15.00	6.83	8.50	4.55	4.00
	Farmers Feed Co., New York, N. Y.								
3770	Dried Brewers Grains "Bull Brand"	Guilford: Fred C. Morse & Son....	7.77	28.88	26.00	14.08	17.00	7.48	6.00
4405	Dried Brewers Grains "Bull Brand"	Winsted: E. Manchester & Sons...	6.60	26.50	26.00	14.63	17.00	7.75	6.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Sta in No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4134	Farmers Flour & Grain Co., Stratford, Conn. Superior Growing Mash with Buttermilk and Cod Liver Oil...	Stratford: Farmers Flour & Grain Co.....	11.13	18.75	16.00	5.63	7.00	4.84	4.00
4135	Superior Laying Mash with Buttermilk and Cod Liver Oil.....	Stratford: Farmers Flour & Grain Co.....	10.93	20.00	20.00	5.23	7.00	4.50	4.00
4693	First National Stores, Inc., Somerville, Mass. Henfield Chick Grains.....	Plainville: First National Stores, Inc.....	8.68	12.44	10.00	1.86	5.00	3.48	3.00
4692	Henfield Egg Mash.....	Plainville: First National Stores, Inc.....	7.93	20.63	20.00	6.38	7.00	5.09	4.00
4691	Henfield Scratch Grains.....	Plainville: First National Stores, Inc.....	9.30	11.13	10.00	2.73	5.00	3.13	2.50
3972	Flag Fish Co., New York, N. Y. Flag Fish Meal.....	Westerly: C. W. Campbell Co.....	12.16	61.75	60.00	....	....	3.35	3.00
4144	Flory Milling Co., Inc., Bangor, Pa. Cinderella Horse Feed.....	Bridgeport: Brooklawn Grain & Feed Co.....	15.29	8.13	5.00	11.47	12.00	1.89	2.00

4772	Flory's Baby Chick Feed.....	Bridgeport: Brooklawn Grain & Co.....	10.62	10.50	9.00	1.55	5.00	4.23	2.50
4776	Flory's Broiler Mash.....	Saugatuck: Saugatuck Grain Co...	8.83	19.94	18.00	6.18	6.00	6.70	4.00
4767	Flory's 20% Cream-O-Milk Dairy Feed.....	Ansonia: A. Hodos & Son.....	9.18	22.06	20.00	10.30	12.00	4.35	4.00
4145	Flory's Horse Feed.....	Bridgeport: Brooklawn Grain & Feed Co.....	14.48	10.95	9.00	6.33	10.00	3.01	2.50
4774	Flory's Intermediate Chick Feed..	Westport: L. H. Gault & Sons....	11.35	9.25	9.00	1.73	5.00	2.75	2.50
4773	Flory's 20% Special Dairy Feed...	Westport: L. H. Gault & Sons....	9.20	22.88	20.00	7.90	11.00	3.24	4.00
4777	Flory's Stock Feed.....	Saugatuck: Saugatuck Grain Co...	8.68	8.75	9.00	10.88	12.00	2.29	3.00
4770	F.M.C. Laying Mash-Connecticut.	Ansonia: A. Hodos & Sons.....	9.08	17.63	18.00	5.63	9.00	4.48	4.00
4768	Golden Egg Growing Mash.....	Ansonia: A. Hodos & Sons.....	8.23	16.63	16.00	6.23	7.00	4.30	4.00
4771	Golden Egg Scratch Feed.....	Bridgeport: Brooklawn Grain & Feed Co.....	11.50	9.75	9.00	2.25	5.50	2.93	2.50
4769	Sunray Laying Mash.....	Ansonia: A. Hodos & Sons.....	8.80	19.13	20.00	7.56	9.00	4.08	4.00
J. B. Garland & Sons, Inc., Worcester, Mass.									
4591	Garland Chick Starter.....	No. Grosvenordale: Thompson Grain Co.....	8.58	18.69	17.00	5.08	5.00	4.60	3.50
4583	Garland 20% Dairy Ration.....	No. Grosvenordale: Thompson Grain Co.....	9.10	24.00	20.00	6.65	10.00	4.43	4.00
4587	Garland Growing Mash.....	No. Grosvenordale: Thompson Grain Co.....	8.28	16.13	14.00	6.23	7.00	5.50	3.00
4590	Garland Horse Feed.....	No. Grosvenordale: Thompson Grain Co.....	10.28	11.63	10.00	6.25	9.00	3.53	3.00
4584	Garland Laying Mash.....	No. Grosvenordale: Thompson Grain Co.....	8.78	20.63	18.00	5.55	7.00	5.23	3.00
4588	Garland Scratch Feed.....	No. Grosvenordale: Thompson Grain Co.....	10.25	9.50	10.00	2.27	5.00	2.56	2.50
4586	Royal Laying Mash.....	No. Grosvenordale: Thompson Grain Co.....	8.30	19.50	18.00	6.75	8.00	5.35	3.00
4582	Royal Worcester Complete Dairy Ration.....	No. Grosvenordale: Thompson Grain Co.....	9.08	20.25	20.00	7.30	10.00	4.48	3.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4054	General Foods Corp., Corn Mill Div., Kankakee, Ill. Burt's Hominy Feed.....	No. Franklin: Berkman Grain & Coal Co.....	9.42	12.13	10.00	5.55	6.00	6.33	6.00
4600	General Mills, Inc., Minneapolis, Minn. Washburn's Gold Medal Hard Wheat Adrian Red Dog.....	Putnam: Checkerboard Feed Store	9.20	18.94	16.00	2.35	4.00	4.28	3.50
3948	Washburn's Gold Medal Hard Wheat Bran and Wheat Screen- ings.....								
3913	Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings.....	New London: New London Grain Co.....	11.18	15.81	14.00	10.08	12.00	4.70	3.50
		Wallingford: Laden Bros. Co., Inc.	11.60	16.81	15.00	7.25	9.50	4.30	4.00
3929	D. H. Grandin Milling Co., Jamestown, N. Y. Grandin's Breeder Mash.....	Meriden: Meriden Grain & Coal Co.	9.68	20.13	20.00	7.53	8.00	3.27	4.50
3928	Grandin's 20 Dairy Feed.....	Meriden: Meriden Grain & Coal Co.	10.56	20.94	20.00	7.10	10.00	4.68	4.00
3926	Grandin's Green Feed.....	Meriden: Meriden Grain & Coal Co.	12.61	11.19	10.00	22.40	25.00	1.39	1.00

3934	Grandin's Growing Mash.....	Meriden: Meriden Grain & Coal Co.	9.58	16.06	15.00	6.88	8.00	4.06	4.00
4746	Grandin's Horse Feed.....	Manchester: O. E. Bailey.....	11.15	10.50	9.50	6.50	11.00	3.66	3.50
3933	Grandin's Laying Mash.....	Meriden: Meriden Grain & Coal Co.	9.59	21.00	20.00	6.58	8.00	3.88	4.00
4666	Grandin's Milk Maker.....	Kensington: A. S. Labieniec.....	8.10	21.88	20.00	7.93	10.00	5.46	4.50
3932	Grandin's Start-To-Finish Mash..	Meriden: Meriden Grain & Coal Co.	9.65	18.38	16.00	6.68	7.00	4.13	4.00
4667	Grandin's Stock Feed.....	Kensington: A. S. Labieniec.....	8.53	9.50	9.00	10.23	12.00	5.03	4.00
3931	M-S (Money Saver) Scratch Grains	Meriden: Meriden Grain & Coal Co.	11.67	11.75	10.00	2.80	5.00	2.81	2.00
The Great Atlantic & Pacific Tea Co., Minneapolis, Minn.									
3783	Daily Egg Laying Mash Feed.....	Madison: Great A. & P. Tea Co...	10.64	21.19	20.00	6.35	6.50	4.42	4.00
3781	Daily Egg Scratch Feed.....	Madison: Great A. & P. Tea Co...	13.85	9.63	10.00	2.18	5.00	2.85	2.50
4748	Daily Growth Fine Chick Feed....	Manchester: Great A. & P. Tea Co.	11.03	11.25	10.00	1.48	5.00	3.30	3.00
3782	Daily Growth Growing Mash.....	Madison: Great A. & P. Tea Co...	10.81	18.75	17.50	6.08	6.50	4.63	4.00
4240	Daily Horse Feed.....	Bethel: Great A. & P. Tea Co.....	11.01	10.25	9.50	6.58	10.00	3.51	3.00
3780	Daily Milk Dairy Feed.....	Madison: Great A. & P. Tea Co...	12.94	16.50	16.00	9.55	12.00	3.00	3.00
4242	Milky Way Dairy Feed 20%.....	Bethel: Great A. & P. Tea Co.....	9.80	20.75	20.00	8.35	9.00	3.26	3.50
4241	Milky Way Dairy Feed 24%.....	Bethel: Great A. & P. Tea Co.....	10.88	24.25	24.00	7.73	9.00	3.25	3.50
Hales & Hunter Co., Chicago, Ill.									
3955	Red Comb All-Mash.....	Groton: C. W. Campbell Co.	9.53	16.38	15.00	5.95	8.00	4.60	4.00
4467	Red Comb Broiler Mash.....	Plantsville: C. A. Cowles, Inc....	8.93	21.13	18.00	5.03	7.00	4.73	4.00
3953	Red Comb Chick Starter.....	Groton: C. W. Campbell Co.	9.54	18.38	18.00	4.93	6.00	4.66	4.00
3957	Red Comb Crate Fattener.....	Groton: C. W. Campbell Co.	8.93	16.25	13.00	5.78	6.00	3.83	4.00
3961	Red Comb Egg Mash.....	Groton: C. W. Campbell Co.	8.90	20.31	18.00	5.85	7.00	4.79	4.00
3956	Red Comb Flushing Mash.....	Groton: C. W. Campbell Co.	9.85	12.25	12.00	3.93	4.00	3.08	3.00
3954	Red Comb Growing Mash.....	Groton: C. W. Campbell Co.	9.07	18.94	16.00	5.80	7.00	4.74	4.00
4464	Steam Cooked Excelsior Horse Feed	Plantsville: C. A. Cowles, Inc....	9.95	10.44	9.00	6.43	8.00	4.11	2.50
Dwight Hamlin Co., Pittsburgh, Pa.									
4623	Hamlin's Dried Brewers Grains...	Moosup: Interstate Co-op. Ex- change.....	7.90	27.44	24.00	12.55	18.00	6.94	6.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Hespenheide & Thompson, Inc., York, Pa.								
4792	Premier Broiler Ration.....	Beacon Falls: Service Grain Store.	8.45	20.75	18.50	5.53	6.00	4.19	4.00
4796	Premier Chick Feed.....	Beacon Falls: Service Grain Store.	10.00	10.88	10.00	1.15	4.00	2.98	2.50
4793	Premier Egg Mash with Buttermilk Charcoal and Mineral with Cod Liver Oil.....	Beacon Falls: Service Grain Store.	8.38	21.38	20.00	6.23	7.00	4.68	4.50
4794	Premier 85% Horse Feed.....	Beacon Falls: Service Grain Store.	10.70	11.50	9.00	6.00	10.00	3.35	3.00
4795	Premier Intermediate Chick Feed..	Beacon Falls: Service Grain Store.	10.60	9.25	10.00	1.63	4.00	3.18	2.50
4791	York Laying Mash with Cod Liver Oil.....	Beacon Falls: Service Grain Store.	8.13	21.88	20.00	6.93	7.00	5.09	3.00
	The Hubinger Co., Keokuk, Iowa								
4633	KeOKuk Corn Gluten Feed.....	Norwich: Yantic Grain & Products Co.....	7.80	29.50	25.00	7.38	8.50	3.03	2.00
	Humphreys-Godwin Co., Memphis, Tenn.								
3769	Dixie Brand 41% Protein Prime Quality Cottonseed Meal.....	Guilford: Fred C. Morse & Son....	8.34	41.25	41.00	8.25	12.00	6.36	5.00

	International Milling Co., Minneapolis, Minn.								
3911	Blackhawk Pure Wheat Bran.....	Wallingford: A. E. Hall.....	12.14	17.13	15.00	9.10	12.00	4.85	3.20
3771	Blackhawk Wheat Red Dog.....	Guilford: Fred C. Morse & Son....	11.51	15.63	16.00	3.48	4.00	3.02	3.50
3907	Blackhawk Wheat Standard Mid- lings with Ground Screenings...	Wallingford: A. E. Hall.....	10.68	16.63	16.00	8.43	8.50	4.94	4.50
	The Kansas Flour Mills Corp., Kansas City, Mo.								
4575	Big Flake Pure Wheat Bran.....	Quinebaug: M. T. Dart.....	9.55	17.00	15.00	9.30	11.00	4.58	3.50
	Kasco Mills, Inc., Waverly, N. Y.								
4328	Apex 20% Dairy Ration.....	Shelton: Shelton Feed Co.....	10.70	22.19	20.00	8.65	12.00	3.73	3.50
4331	Apex Growing Mash.....	Shelton: Shelton Feed Co.....	9.90	18.75	17.00	6.33	8.50	4.30	4.00
4327	Apex Laying Mash.....	Shelton: Shelton Feed Co.....	9.95	20.94	20.00	5.43	8.50	4.16	4.00
4332	Apex Scratch Grains.....	Shelton: Shelton Feed Co.....	12.00	9.38	9.00	2.28	4.00	3.21	2.50
4334	Kasco Fitting Ration.....	Shelton: Shelton Feed Co.....	11.00	17.56	14.00	5.33	8.00	3.68	4.00
4330	Kasco Laying and Breeding Mash.	Shelton: Shelton Feed Co.....	9.63	21.50	20.00	6.05	7.50	5.08	4.00
4329	Kasco 20% Milk Maker.....	Shelton: Shelton Feed Co.....	9.70	25.63	20.00	7.23	10.00	4.23	4.00
4335	Kasco Pig Hog Feed.....	Shelton: Shelton Feed Co.....	9.75	18.50	17.00	5.85	8.00	4.83	4.00
4333	Kasco Poultry Flushing Mash.....	Shelton: Shelton Feed Co.....	8.85	17.94	17.00	5.25	6.00	3.80	3.50
	Spencer Kellogg & Sons, Inc., Buffalo, N. Y.								
3763	Kellogg's 41% Protein Old Process Soybean Oil Meal.....	Guilford: Fred C. Morse & Son....	11.51	43.25	41.00	5.53	7.00	5.00	4.00
	Kellogg Sales Co., Battle Creek, Mich.								
3749	Kellogg's Hominy Feed.....	Branford: S. V. Osborn Estate....	10.33	9.94	10.00	4.18	5.00	6.65	6.00
	Keystone Dairy Co., Brooklyn, N. Y.								
4079	Skim Milk Powder.....	Amston: Amston Mills.....	8.59	33.25	32.00	....	....	0.75	0.75

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4632	King Midas Flour Mills, Minneapolis, Minn. Cloverleaf Pure Wheat Bran.....	Norwich: Yantic Grain & Products Co.....	10.15	17.75	15.00	9.58	12.00	4.99	4.00
4216	Kraft-Phenix Cheese Corp., Chicago, Ill. Ward's Dried Buttermilk.....	Norwalk: Libner Grain Co., Inc....	8.02	31.63	30.00	....	....	6.35	5.00
3923	Chas. A. Krause Milling Co., Milwaukee, Wis. Badger White Hominy Feed.....	Wallingford: Laden Bros. Co., Inc.	10.95	11.88	10.00	5.00	5.00	6.26	6.00
4686	H. P. Kysor Feed & Grain Co., Plainville, Conn. Kysor's A-1 Chick Starter.....	Plainville: State Farmers' Co-op..	9.00	21.19	17.50	5.30	6.00	4.50	4.00
4420	Kysor's A-1 20% Dairy Ration....	Kent: H. H. Taylor & Son.....	11.08	24.75	20.00	6.68	8.00	4.15	4.00
4422	Kysor's A-1 24% Dairy Ration....	Kent: H. H. Taylor & Son.....	10.40	25.44	24.00	6.60	8.00	4.28	4.00
4424	Kysor's A-1 Growing Mash with Cod Liver Oil.....	Kent: H. H. Taylor & Son.....	10.05	20.13	17.50	5.28	6.50	4.44	4.50
4419	Kysor's A-1 Horse Feed.....	Kent: H. H. Taylor & Son.....	11.18	12.25	10.00	5.38	8.00	3.38	4.00
4423	Kysor's A-1 Laying Mash with Cod Liver Oil.....	Kent: H. H. Taylor & Son.....	9.90	21.38	19.50	5.28	7.00	4.43	4.00

4421	Kysor's A-1 Scratch Grains.....	Kent: H. H. Taylor & Son.....	11.25	11.19	10.00	2.53	5.00	2.63	2.50
	The Laden Bros. Co., Inc., Wallingford, Conn.								
3924	Laden's Baby Chick Starter.....	Wallingford: Laden Bros. Co., Inc.	11.20	17.63	17.50	4.10	5.00	4.82	5.00
3918	Laden's Dairy.....	Wallingford: Laden Bros. Co., Inc.	12.61	19.13	20.00	7.10	9.00	4.18	4.50
3917	Laden's Growing.....	Wallingford: Laden Bros. Co., Inc.	12.00	17.50	17.00	4.43	5.00	4.25	5.50
3916	Laden's Laying.....	Wallingford: Laden Bros. Co., Inc.	11.85	17.75	20.00	4.80	5.00	4.22	5.50
	Lake of the Woods Milling Co., Ltd., Montreal, Canada								
4380	Lakewoods Wheat Bran.....	Torrington: Litchfield County Co- op.....	10.15	16.31	15.00	10.65	11.50	5.43	3.50
4090	Lakewoods Wheat Shorts.....	New Haven: R. G. Davis & Sons, Inc.....	10.30	18.06	16.00	8.15	8.00	5.83	5.00
	The Larrabee Flour Mills Co., Kansas City, Mo.								
4347	Sunfed Winter Wheat Bran with Ground Wheat Screenings.....	Seymour: Seymour Grain & Coal Co.....	9.30	17.19	15.00	9.63	11.00	4.69	3.50
	Larowe Milling Co., Div. of General Mills, Inc., Detroit, Mich.								
3739	Dried Beet Pulp (Larowe Milling)	Branford: S. V. Osborn Estate....	10.19	8.25	7.00	19.65	22.50	0.65	0.30
3843	Dried Molasses-Beet Pulp (Larowe Milling).....	Middlefield Center: Middlefield Center Grain Co.....	11.17	11.00	7.00	14.00	20.00	0.50	0.30
4462	Larro Broiler Feed.....	Plantsville: C. A. Cowles, Inc.....	8.88	20.81	20.00	5.75	7.00	4.28	3.50
4466	Larro Calf Builder.....	Plantsville: C. A. Cowles, Inc.....	7.85	26.38	25.00	3.90	4.50	4.33	4.00
4110	Larro Chick Builder.....	Millford: C. A. Cowles, Inc.....	9.53	20.00	19.00	6.03	7.00	4.40	4.00
3735	41% Protein Cottonseed Meal....	Branford: S. V. Osborn Estate....	7.90	40.13	41.00	9.30	10.00	6.00	6.00
3873	Larro 16 Dairy Feed.....	New Haven: Moran-Patton Co....	11.39	16.00	16.00	10.03	11.00	3.43	3.00
4116	Larro Egg Mash.....	Millford: C. A. Cowles, Inc.....	9.29	20.94	20.00	6.33	7.50	4.70	4.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Larroe Milling Co., Div. of General Mills, Inc.—Cont. Detroit, Mich.								
4709	Larro Pig and Hog Builder.....	Collinsville: Lawton-Miner Co.	8.38	19.69	17.50	5.73	7.50	4.43	4.00
4710	Larro Scratch Grains.....	Collinsville: Lawton-Miner Co.	10.03	10.44	10.00	2.33	4.00	2.86	2.00
3740	Larro The Ready Ration for Dairy Cows.....	Branford: S. V. Osborn Estate....	10.27	22.38	20.00	8.98	12.00	4.15	3.75
4117	Larro Turkey Breeder Mash.....	Milford: C. A. Cowles, Inc.	9.53	21.50	20.00	5.95	7.50	3.90	4.00
3970	Larro Turkey Builder.....	Westerly: C. W. Campbell Co.....	8.93	24.25	24.00	5.75	6.50	4.70	4.50
4461	Larro Turkey Finisher.....	Plantsville: C. A. Cowles, Inc.	8.43	19.94	19.00	6.00	7.00	4.48	3.50
	Franklin L. Lewi, Inc., New York, N. Y.								
3914	Wheat Bran with Ground Screen- ings.....	Wallingford: Laden Bros. Co., Inc.	11.30	17.19	13.00	9.20	13.00	4.15	4.00
	John T. Lewis & Bros. Co., Philadelphia, Pa.								
4579	Old Process 34% Linseed Meal....	Quinebaug: M. T. Dart.....	7.75	33.25	34.00	8.03	10.00	5.96	4.50
	Libner Grain Co., Inc., Norwalk, Conn.								
4215	Libner's Blue Ribbon All-Mash Growing and Developer Ration with high potency Cod Liver Oil	Norwalk: Libner Grain Co., Inc. ...	10.18	17.75	18.00	4.50	6.00	4.65	4.00

4214	20% Libner's Blue Ribbon Dairy Ration.....	Norwalk: Libner Grain Co., Inc....	10.95	23.13	20.00	7.05	9.00	3.44	4.00
4206	12% Libner's Blue Ribbon Fitting Ration.....	Norwalk: Libner Grain Co., Inc....	10.11	17.38	12.00	6.15	9.00	4.25	4.00
4208	Libner's Blue Ribbon Growing Mash (with Cod Liver Oil).....	Norwalk: Libner Grain Co., Inc....	8.79	21.25	18.00	6.23	6.00	6.09	4.00
4213	Libner's Blue Ribbon Horse and Calf Ration.....	Norwalk: Libner Grain Co., Inc....	10.68	13.38	10.50	9.15	7.00	3.63	3.50
4207	Libner's Blue Ribbon Milk Egg Mash (with Cod Liver Oil).....	Norwalk: Libner Grain Co., Inc....	8.57	21.38	20.00	6.50	6.50	5.93	3.00
4209	Libner's Blue Ribbon Scratch Feed	Norwalk: Libner Grain Co., Inc....	11.20	10.50	10.00	2.35	5.00	3.11	3.00
4212	20% Milkfed Dairy Ration.....	Norwalk: Libner Grain Co., Inc....	9.75	23.25	20.00	7.13	9.00	4.00	4.00
C. W. Lines Co., New Britain, Conn.									
4781	Homestead Dry Mash.....	New Britain: C. W. Lines Co.....	8.00	20.13	18.00	6.23	7.00	4.98	4.00
4673	Homestead Scratch Feed.....	New Britain: C. W. Lines Co.....	11.20	10.13	9.00	2.35	5.00	2.73	2.50
4672	Mill Pride Dairy Ration.....	New Britain: C. W. Lines Co.....	7.93	25.56	24.00	6.78	10.00	4.46	4.50
4674	Mill Pride Fancy Scratch Feed....	New Britain: C. W. Lines Co.....	11.50	9.81	9.00	2.20	4.00	2.93	2.00
4671	Mill Pride Milk Mash.....	New Britain: C. W. Lines Co.....	8.40	20.94	18.00	5.15	7.50	5.45	4.50
Litchfield County Co-op. Assoc., Inc., Torrington, Conn.									
4382	"Common Sense" Dairy Ration... ..	Torrington: Litchfield County Co-op. Assoc., Inc.	9 55	20.75	20.00	6.95	9.00	5.15	4.50
4385	"Common Sense" Horse Feed.....	Torrington: Litchfield County Co-op. Assoc., Inc.	9 85	12.50	10.00	8.65	10.00	4.18	4.00
4383	"Common Sense" Laying Mash. . .	Torrington: Litchfield County Co-op. Assoc., Inc.	9 25	20.00	18.00	6.73	7.00	5.06	4.00
4384	"Common Sense" Scratch.....	Torrington: Litchfield County Co-op. Assoc. Inc.	11 58	9.63	9.00	2.40	4.00	2.78	2.50
4387	"Common Sense" Starting and Growing Mash.....	Torrington: Litchfield County Co-op. Assoc., Inc.	8.50	19.38	18.00	6.20	7.00	4.58	4.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4469	Long Hill Feed Store, Long Hill, Conn. Improved Square Deal Dairy Ration.....	Long Hill: Long Hill Feed Store...	9.60	21.06	20.00	8.33	10.00	3.58	4.50
4470	Square Deal Buttermilk Laying Mash.....	Long Hill: Long Hill Feed Store...	9.30	19.63	20.00	6.48	7.00	4.25	5.00
3824	L. B. Lovitt & Co., Memphis, Tenn. "Lovit Brand" 41% Protein Cot- tonseed Meal Prime Quality....	Middletown: Meech & Stoddard, Inc.....	7.60	41.00	41.00	8.15	13.00	6.34	5.00
4362	"Lovit Brand" 41% Protein Cot- tonseed Meal, Prime Quality....	Watertown: Watertown Co-op. Assoc.....	6.50	41.00	41.00	10.10	13.00	6.45	5.00
4399	E. Manchester & Sons, Winsted, Conn. Huntington Red Star Egg Mash...	Winsted: E. Manchester & Sons...	8.50	20.81	13.00	5.13	6.00	4.70	4.00
4400	Red Star Egg Mash.....	Winsted: E. Manchester & Sons...	9.25	20.25	18.00	5.98	8.00	5.30	4.00
4404	Red Star Horse Feed with Molasses	Winsted: E. Manchester & Sons...	0.75	12.69	8.00	5.60	10.00	2.68	3.00
4402	Red Star Scratch Feed.....	Winsted: E. Manchester & Sons...	11.90	9.63	9.00	2.83	6.00	2.44	2.00
4401	Red Star Sweet Sixteen Dairy Feed	Winsted: E. Manchester & Sons...	8.73	18.38	16.00	6.40	10.00	5.23	4.00
4403	Special Dairy Feed.....	Winsted: E. Manchester & Sons...	8.90	21.75	20.00	6.63	10.00	5.25	4.00

Maritime Milling Co., Inc., Buffalo, N. Y.									
4689	B-B Broiler Ration Vitamized with Fortified Cod Liver Oil, Dried Cheese Whey, and Dried Buttermilk.....	Plainville: W. S. Eaton.....	8.48	20.56	20.00	5.43	7.00	5.08	4.00
4679	B-B Bull Brand Dry and Fresh Cow Fitting Ration.....	Plainville: W. S. Eaton.....	9.98	15.38	13.00	6.98	9.00	4.43	4.00
4685	B-B Daisy Egg Mash Vitamized with Fortified Cod Liver Oil and Dried Buttermilk.....	Plainville: W. S. Eaton.....	8.38	20.06	20.00	7.53	9.00	4.42	3.50
4690	B-B Daisy Growing Mash Vitamized with Fortified Cod Liver Oil and Dried Buttermilk.....	Plainville: W. S. Eaton.....	8.08	16.69	15.00	7.23	9.00	5.48	4.00
4681	B-B Daisy Scratch Feed.....	Plainville: W. S. Eaton.....	10.55	9.88	9.00	3.20	5.00	2.83	2.50
4683	B-B Special Dairy Feed 20%.....	Plainville: W. S. Eaton.....	10.60	21.50	20.00	10.78	12.00	5.26	4.00
4684	Bull Brand Horse Feed.....	Plainville: W. S. Eaton.....	10.53	11.38	8.00	8.25	10.00	3.94	2.00
4780	Dollar Make Egg Mash with Dried Buttermilk and Cod Liver Oil...	Plainville: W. S. Eaton.....	8.15	19.44	19.00	9.18	10.00	4.28	3.50
4680	Hi-Test Dairy Feed 20% Sweetened	Plainville: W. S. Eaton.....	9.45	21.88	20.00	9.10	12.00	4.03	4.00
4682	Sweetened Bull Brand "20" Dairy Ration.....	Plainville: W. S. Eaton.....	10.75	21.00	20.00	7.33	9.00	3.70	4.40
Maurer Manufacturing Co., Newark, N. J.									
4205	Maurer's Kwality Meat and Bone Scrap.....	Norwalk: Libner Grain Co., Inc...	5.42	47.75	50.00	2.03	3.00	10.33	6.00
Meech & Stoddard, Inc., Middletown, Conn.									
4326	M & S 20% Dairy Feed.....	Middletown: Meech & Stoddard, Inc.....	9.85	19.88	20.00	8.55	10.00	3.64	4.00
3818	M & S Laying Mash.....	Middletown: Meech & Stoddard, Inc.....	10.07	19.50	18.00	9.45	9.00	4.21	3.75
4325	Red Wing 20% Dairy Feed.....	Middletown: Meech & Stoddard, Inc.....	9.75	21.63	20.00	9.55	10.00	3.89	4.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4323	Meech & Stoddard, Inc.,—Cont. Middletown, Conn. Red Wing 12% Fitting Ration....	Middletown: Meech & Stoddard, Inc.....	10.45	13.63	12.00	8.30	9.00	3.24	4.00
3819	Red Wing Growing Mash (with Vitamelk).....	Middletown: Meech & Stoddard, Inc.....	10.45	18.38	17.00	7.60	7.00	3.90	4.00
3826	Red Wing Horse Feed.....	Middletown: Meech & Stoddard, Inc.....	12.78	11.63	9.00	8.48	10.00	2.95	3.00
3820	Red Wing Laying Mash (with Vita- melk).....	Middletown: Meech & Stoddard, Inc.....	10.44	18.88	18.00	7.98	7.00	4.37	4.00
4386	Miner-Hillard Milling Co., Wilkes-Barre, Pa. Steam Cooked Hominy Feed.....	Torrington: Litchfield County Co- op. Assoc., Inc.....	9.15	10.50	10.00	4.35	5.00	7.31	5.00
4139	Geo. Q. Moon & Co., Inc., Binghamton, N. Y. Complete Starter and Broiler Mash	Stratford: Chas. Zimmerman.....	9.24	18.38	18.50	6.88	5.00	5.04	4.00
4141	Hog Feed.....	Stratford: Chas. Zimmerman.....	9.58	18.38	13.00	7.78	8.00	4.18	3.50
3816	Moon's Baby Chick Grains.....	Higganum: Felix Petropsky.....	11.51	11.75	10.00	1.23	2.50	1.60	3.00

466	Moon's Baby Chick Starter Mash.	Meriden: Reliable Grain & Feed Co.	8.33	17.75	15.00	5.55	5.00	5.43	4.00
465	Moon's Complete Growing Mash..	Meriden: Reliable Grain & Feed Co.	8.55	17.50	16.00	7.20	7.00	5.88	4.00
481	Moon's 24% Dairy Ration.....	Higganum: Higganum Feed Store.	7.73	27.50	24.00	7.25	10.00	4.33	4.00
381	Moon's Developing Grains.....	Higganum: Felix Petropsky.....	12.17	10.75	10.00	1.93	5.00	2.74	2.00
465	Moon's Growing Mash.....	Meriden: Reliable Grain & Feed Co.	8.73	17.50	17.00	5.73	7.00	4.90	4.00
465	Moon's Hominy Feed.....	Meriden: Reliable Grain & Feed Co.	6.38	12.13	10.00	4.70	6.00	8.36	5.00
379	Moon's 90 Horse Feed with Molasses	Higganum: Felix Petropsky.....	12.90	10.44	9.00	6.66	10.00	3.00	3.00
3817	Moon's Laying Mash with Dried Buttermilk.....	Higganum: Felix Petropsky.....	10.75	20.13	20.00	6.05	9.00	4.23	4.00
4140	Moon's Laying Mash with Dried Buttermilk.....	Stratford: Chas Zimmerman.....	9.78	21.75	20.00	6.60	9.00	5.06	4.00
3800	Moon's Scratch Feed.....	Higganum: Felix Petropsky.....	12.59	10.44	10.00	2.94	5.00	2.50	2.00
4660	Moon's Special A Laying Mash with Dried Buttermilk.....	Meriden: Reliable Grain & Feed Co.	8.18	20.13	18.00	6.38	9.00	5.28	5.00
4662	Moon's Turkey Growing Mash....	Meriden: Reliable Grain & Feed Co.	8.48	20.63	20.00	7.00	6.50	5.80	4.50
4656	Special A 16% All Grain Ration...	Meriden: Reliable Grain & Feed Co.	9.33	22.38	16.00	7.83	10.00	4.55	4.00
4655	Special A Dairy 20% Ration.....	Meriden: Reliable Grain & Feed Co.	9.78	23.81	20.00	6.28	10.00	4.30	4.00
4816	U.S. 20% Dairy Ration.....	Higganum: Higganum Feed Store..	8.55	21.75	20.00	9.23	12.00	4.09	4.00
Fred C. Morse & Son, Guilford, Conn.									
3777	Old Mill Broiler Mash.....	Guilford: Fred C. Morse & Son....	10.79	18.31	18.00	5.75	6.00	4.42	4.00
3778	Old Mill 20% Dairy Feed.....	Guilford: Fred C. Morse & Son....	11.21	21.38	20.00	7.70	9.00	4.35	4.00
3762	Old Mill Fitting Feed.....	Guilford: Fred C. Morse & Son....	11.73	13.75	12.00	6.43	8.00	5.23	4.00
3775	Old Mill Growing Mash.....	Guilford: Fred C. Morse & Son....	10.73	16.50	15.00	6.60	5.00	4.90	4.50
3761	Old Mill Horse Feed.....	Guilford: Fred C. Morse & Son....	13.30	12.38	12.00	5.55	8.00	3.47	2.50
3758	Old Mill Intermediate Chick Feed.	Guilford: Fred C. Morse & Son....	12.69	9.75	10.00	1.98	4.00	3.35	2.50
3776	Old Mill Laying Mash.....	Guilford: Fred C. Morse & Son....	10.56	18.19	18.00	6.88	7.50	5.13	4.50
3757	Old Mill Laying Mash with Milk and Cod Liver Oil.....	Guilford: Fred C. Morse & Son....	9.71	20.13	20.00	6.45	7.50	4.60	4.50
3760	Old Mill Provender.....	Guilford: Fred C. Morse & Son....	11.54	11.25	10.00	6.00	6.00	5.00	3.25
3779	Old Mill Scratch Feed.....	Guilford: Fred C. Morse & Son....	13.50	10.00	10.00	1.93	4.00	1.93	2.00
3774	Old Mill Starting Mash.....	Guilford: Fred C. Morse & Son....	11.50	17.50	16.00	4.13	4.50	4.48	4.50

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Moses Bros. Co., Inc., Eaton, N. Y.								
4511	Moco Buttermilk Perfection Laying Mash.....	Botsford: G. T. Rasmussen.....	7.80	19.88	19.00	6.88	9.00	5.00	4.00
4181	Moco Competitive Scratch Feed...	Bristol: Bristol Grain & Supply Co.	11.10	10.13	10.00	2.80	5.00	3.00	3.00
4515	Moco Competitive Scratch Feed...	Botsford: G. T. Rasmussen.....	10.65	9.69	10.00	2.40	5.00	2.68	3.00
4513	Moco Perfection Starting and Growing Mash.....	Botsford: G. T. Rasmussen.....	7.93	20.63	18.00	5.20	6.00	5.16	4.00
4663	Moco Special 20% Dairy Feed....	Kensington: A. S. Labieniec.....	7.63	21.88	20.00	6.71	8.00	5.35	4.00
	New England Retail Grain Dealers, Co-op. Assoc., Inc., Springfield, Mass.								
4741	New England Quality 16% Dairy Feed.....	Hazardville: Amos D. Bridge's Sons	8.00	19.88	16.00	6.88	12.00	4.45	4.00
4519	New England Quality 20% Dairy Feed.....	Rockville: Rockville Grain & Coal Co.....	8.93	22.88	20.00	7.78	9.00	4.03	4.00
4521	New England Quality 24% Dairy Feed.....	Rockville: Rockville Grain & Coal Co.....	9.58	25.00	24.00	7.13	9.00	4.50	4.00
4738	New England Quality Fitting Ration.....	Hazardville: Amos D. Bridge's Sons	9.23	13.88	10.00	8.05	9.00	3.38	4.00

4522	New England Quality Horse Feed.	Rockville: Rockville Grain & Coal Co.....	10.15	12.69	10.00	5.63	9.00	3.16	3.00
4739	New England Quality Horse Feed.	Hazardville: Amos D. Bridge's Sons	10.30	11.63	10.00	6.43	9.00	3.38	3.00
4736	New England Quality Laying Mash with Cod Liver Oil.....	Hazardville: Amos D. Bridge's Sons	9.25	18.19	20.00	5.48	7.00	4.40	4.00
4516	New England Quality Scratch Feed	Rockville: Rockville Grain & Coal Co.....	10.90	9.38	10.00	2.16	9.00	2.21	3.00
4740	New England Yankee 20% Dairy Ration.....	Hazardville: Amos D. Bridge's Sons	8.83	20.75	20.00	9.35	9.00	4.40	3.50
4737	New England Yankee Egg Mash with Cod Liver Oil and Milk....	Hazardville: Amos D. Bridge's Sons	8.75	22.50	18.00	5.68	8.00	4.96	4.00
Newton Concentrates, Boston, Mass.									
3729	Newton Bovine Concentrates.....	Durham: Gaylord Newton.....	11.33	16.69	12.00	7.53	9.00	5.00	4.00
4763	Newton Bovine Concentrates.....	Northford: Sidney Clark.....	10.53	15.38	12.00	6.98	9.00	5.28	4.00
4812	Newton Green Roughage Concentrates.....	Middletown: Sherman Ruth.....	9.70	11.75	8.00	19.53	19.00	1.75	1.00
4811	Newton Green Roughage Concentrates (Forcing).....	Avon: J. J. Anderson.....	8.63	12.13	9.00	16.33	18.00	2.25	1.00
Ontario Milling Co., Inc., Wilson, N. Y.									
4473	Swanco Standard Middlings with Ground Screenings.....	Long Hill: Long Hill Feed Store...	9.90	17.13	14.50	6.58	9.50	4.85	4.50
4456	Swanco Wheat Bran with Ground Screenings.....	Mt. Carmel: Hamden Grain Co....	8.63	17.25	14.00	9.00	14.00	5.35	3.00
S. V. Osborn Estate, Branford, Conn.									
3737	Osborn Provender.....	Branford: S. V. Osborn Estate....	11.62	10.06	10.00	6.85	8.00	3.81	4.00
3736	Osborn Scratch.....	Branford: S. V. Osborn Estate....	12.57	10.00	10.00	1.73	5.00	2.23	2.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		F t	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
3947	Park & Pollard Co., Buffalo, N. Y. Bidwell 20% Dairy Ration.....	New London: New London Grain Co.....	10.69	20.19	20.00	10.95	12.00	3.50	3.50
4300	Bidwell Growing Feed.....	Woodbury: C. L. Adams.....	9.45	18.50	15.00	6.55	7.00	3.56	3.00
4309	Bidwell Laying Mash.....	Woodbury: C. L. Adams.....	9.00	20.38	18.00	7.00	8.00	3.83	3.00
3860	Bulky-Sweet Dairy Feed.....	Middletown: P. Levson & Son....	11.52	14.00	11.00	7.98	12.00	2.76	2.50
4157	Claco Dairy Ration (C. L. Adams)	West Cheshire: Cheshire Grain & Coal Co.....	10.56	21.31	20.00	7.00	9.00	4.96	4.50
4310	Corn and Oats Half and Half.....	Woodbury: C. L. Adams.....	10.38	11.13	10.00	6.75	8.00	4.50	3.00
4308	Doublex 16% Dairy Ration.....	Woodbury: C. L. Adams.....	9.08	18.75	16.00	10.55	12.00	3.75	3.50
3943	Doublex 20% Dairy Ration.....	Essex: Essex Grain Co.....	10.90	20.88	20.00	10.33	11.00	3.77	3.50
3938	Go-Tu-It Pig and Hog Ration....	Essex: Essex Grain Co.....	10.18	16.81	15.00	7.28	8.00	3.53	3.00
3859	Hi-Valu Scratch Feed (Pellets) (A Lay or Bust Feed).....	Middletown: P. Levson & Son....	11.05	11.63	11.50	5.55	8.00	2.83	2.50
3853	Lay or Bust Dry Mash.....	Middletown: P. Levson & Son....	10.53	21.88	20.00	5.78	7.00	3.35	3.00
4311	Manamar 20% Dairy Ration.....	Woodbury: C. L. Adams.....	9.90	21.88	20.00	7.10	9.00	4.40	4.00
4390	Manamar Doublex 20% Dairy Ration.....	Winsted: Leonard Grain Co.....	9.93	21.50	20.00	9.35	11.00	4.13	3.50
4804	Manamar Lay or Bust Dry Mash.	Waterbury: Spencer Grain Co.....	8.43	21.25	20.00	6.25	7.00	4.30	3.00
3854	Manamar Life Cycle Mash (A Lay or Bust Feed).....	Middletown: P. Levson & Son....	10.81	16.25	16.00	5.85	7.00	4.56	3.50
4392	Milkade Calf Meal.....	Winsted: Leonard Grain Co.....	8.68	25.00	20.00	5.53	6.50	4.94	5.00

3852	Milkmaid 20% Dairy Ration.....	Middletown: P. Levson & Son....	11.33	22.06	20.00	7.03	10.00	4.37	4.00
4803	Milkmaid 24% Sweetened Dairy Ration.....	Waterbury: Spencer Grain Co.....	9.45	24.63	24.00	7.00	10.00	4.53	4.00
3856	Paramount Scratch Feed.....	Middletown: P. Levson & Son....	13.10	10.50	10.00	1.98	5.00	2.56	2.00
4160	Park & Pollard All-Mash Growing Feed.....	West Cheshire: Cheshire Grain & Coal Co.....	9.49	19.50	14.50	5.90	7.00	3.68	4.00
4064	Park & Pollard Broiler Finishing Mash (A Lay or Bust Feed)....	Colchester: P. Cutler, Inc.....	10.62	16.50	15.00	4.65	6.00	4.21	4.00
4788	Park & Pollard Chick Starter (A Lay or Bust Feed).....	Colchester: P. Cutler, Inc.....	9.00	18.94	17.00	5.08	6.00	4.28	3.50
4312	Park & Pollard Economy Scratch..	Woodbury: C. L. Adams.....	12.29	11.13	10.00	2.18	5.00	2.50	1.50
3858	Park & Pollard Fleshing Pellets (A Lay or Bust Feed).....	Middletown: P. Levson & Son....	10.27	20.00	16.00	6.38	7.00	4.18	4.00
4063	Park & Pollard Growing Feed (A Lay or Bust Feed).....	Colchester: P. Cutler, Inc.....	10.01	16.75	16.00	6.08	7.00	3.69	3.00
4391	Park & Pollard Horse Feed.....	Winsted: Leonard Grain Co.....	10.88	12.50	10.00	6.50	9.00	3.88	3.50
3857	Park & Pollard Manamar Fitting Ration.....	Middletown: P. Levson & Son....	12.27	13.38	12.00	6.50	7.00	2.93	3.50
4062	Park & Pollard Starter and Broiler Mash (A Lay or Bust Feed)....	Colchester: P. Cutler, Inc.....	10.13	20.94	18.00	5.58	6.00	4.28	4.00
4159	Park & Pollard Starter and Broiler Mash (A Lay or Bust Feed)....	West Cheshire: Cheshire Grain & Coal Co.....	9.46	19.88	18.00	5.43	6.00	4.70	4.00
3936	Park & Pollard Stock Feed.....	Essex: Essex Grain Co.....	9.90	11.81	9.00	9.88	12.00	3.61	4.00
3935	Park & Pollard Turkey Grower (A Lay or Bust Feed).....	Essex: Essex Grain Co.....	10.00	20.75	20.00	5.58	7.00	3.81	4.00
3937	Park & Pollard Turkey Starter (A Lay or Bust Feed).....	Essex: Essex Grain Co.....	9.62	27.44	26.00	5.98	6.00	4.51	4.00
4393	Red Ribbon Scratch Feed.....	Winsted: Leonard Grain Co.....	11.60	10.38	10.00	2.18	5.00	2.64	2.00
3855	Yankee Horse Feed.....	Middletown: P. Levson & Son....	12.40	11.38	10.00	6.08	9.00	3.51	3.50
Parrish & Heimbecker, Ltd., Toronto, Ontario, Canada									
3773	Parrheim Pure Wheat Bran.....	Guilford: Fred C. Morse & Son....	12.68	16.00	15.00	10.08	11.50	5.22	3.50
4346	Parrheim Pure Wheat Shorts.....	Seymour: Seymour Grain & Coal Co.....	7.75	14.75	16.00	6.53	8.00	4.45	5.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
3925	The Patent Cereals Co., Geneva, N. Y. Hominy Feed.....	Wallingford: Laden Bros. Co., Inc.	11.00	12.13	10.00	4.98	5.00	6.30	5.00
4760	Pecos Valley Alfalfa Mill Co., Chandler, Ariz. Pecos Special Alfalfa Meal.....	Middletown: Meech & Stoddard, Inc.....	6.35	14.25	13.00	29.75	33.00	2.28	1.50
3827	Peevee Alfalfa Leaf Meal.....	Middletown: Meech & Stoddard, Inc.....	9.50	21.13	20.00	16.70	18.00	3.57	2.50
4589	Velvet Brand Alfalfa Meal.....	Putnam: Dayville Grain Co.....	8.58	19.56	17.00	22.70	27.00	2.60	1.50
4320	Penick & Ford Co., Ltd., Inc., Cedar Rapids, Iowa Douglas Corn Gluten Feed.....	Thompsonville: Geo. S. Phelps & Co.....	9.80	28.13	25.00	7.23	8.50	1.55	1.50
3944	Perkins Oil Co., Memphis, Tenn. Golden Rod Brand Cottonseed Meal 41%.....	Essex: Essex Grain Co.....	8.00	40.56	41.00	8.98	12.00	6.36	5.00

Louis Perillo Coal Co., Southington, Conn.									
4163	Perillo's "Wellworth" Laying Mash (with Cod Liver Oil).....	Southington: Louis Perillo Coal Co.	9.56	20.44	18.00	6.73	7.00	5.60	4.00
4162	Perillo's "Wellworth" Starting and Growing Mash (with Cod Liver Oil).....	Southington: Louis Perillo Coal Co.	9.72	19.06	18.00	4.55	5.50	6.20	4.00
A. D. Pierce, Brooklyn, Conn.									
4778	Pierce's Growing Mash.....	Brooklyn: A. D. Pierce.....	8.10	19.50	16.50	6.38	7.00	5.23	4.50
4620	Pierce's Special Laying Mash.....	Brooklyn: A. D. Pierce.....	8.88	20.75	19.00	6.40	6.80	4.90	4.50
4621	Pierce's Starter and Broiler.....	Brooklyn: A. D. Pierce.....	8.98	19.31	17.50	6.50	6.50	5.10	4.50
Pillsbury Flour Mills Co., Minneapolis, Minn.									
4267	Pillsbury's Fancy Wheat Mixed Feed with Ground Wheat Screen- ings.....	New Milford: Soule Grain Co.....	9.20	18.13	15.00	6.73	8.50	5.05	4.00
4268	Pillsbury's Hard Wheat A. Mid- dlings with Ground Wheat Screenings.....	New Milford: Soule Grain Co.....	9.08	17.38	16.00	4.78	6.00	4.87	4.00
4266	Pillsbury's Hard Wheat Bran with Ground Wheat Screenings.....	New Milford: Soule Grain Co.....	9.44	16.63	14.00	10.95	12.00	5.38	4.00
3835	Pillsbury's Hard Wheat Standard B Middlings with Ground Wheat Screenings.....	Montowese: Osmon's Economy Ser- vice.....	11.14	17.25	15.00	8.78	9.50	5.87	4.00
3982	Pillsbury's XX Daisy.....	Norwich: Norwich Grain Co.....	11.17	18.38	16.00	4.35	4.00	4.74	4.00
Pittsburgh Plate Glass Co., Linseed Oil Division, Newark, N. J.									
4725	Red Wing 32% Protein Old Process Linseed Meal.....	Granby: E. H. Rollins & Son.....	9.00	36.88	32.00	6.45	9.00	6.30	4.50

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

State No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4766	Frank S. Platt Co., New Haven, Conn. Platco Laying Mash.....	New Haven: Frank S. Platt Co. . .	8.43	23.63	20.00	5.20	7.00	4.90	5.00
	Pratt Food Co., Buffalo, N. Y.								
4180	Pratt's Baby Chick Food.....	Bristol: Bristol Grain & Supply Co.	9.11	18.13	17.00	4.68	4.00	4.39	3.50
4177	Pratt's Laying Mash.....	Bristol: Bristol Grain & Supply Co.	8.21	22.06	20.00	6.88	7.25	5.73	3.50
4178	Pratt's Scratch Feed.....	Bristol: Bristol Grain & Supply Co.	10.90	10.50	10.00	2.35	4.00	3.53	2.00
4175	Pratt's Sweet 16% Dairy.....	Bristol: Bristol Grain & Supply Co.	9.33	16.88	16.00	9.75	12.00	3.51	3.00
4176	Utility Sweet 20% Dairy Feed....	Bristol: Bristol Grain & Supply Co.	9.86	21.06	20.00	8.78	12.00	3.85	3.50
4203	Utility 24% Sweet Dairy Feed....	Norwalk: Independent Feed Co. . .	9.75	25.19	24.00	8.68	10.00	3.85	3.50
4179	Utility Growing Mash.....	Bristol: Bristol Grain & Supply Co.	8.14	17.63	16.00	7.88	7.00	5.00	3.50
4201	Utility Laying Mash.....	Norwalk: Independent Feed Co. . .	8.79	21.06	20.00	6.43	8.00	5.00	3.50
4202	Utility Scratch Feed.....	Norwalk: Independent Feed Co. . .	11.50	10.00	10.00	1.98	4.00	3.19	2.00
	H. C. Puffer Co., Springfield, Mass.								
4713	Producer Dairy Feed 24%.....	Simsbury: H. B. Bunnell & Co. . . .	6.73	26.13	24.00	8.35	8.50	5.15	4.00
	The Quaker Oats Co., Chicago, Ill.								
4455	Bell Cow Wheat Bran.....	Mt. Carmel: Hamden Grain Co. . . .	9.35	17.13	15.00	9.58	10.00	5.50	3.50

4279	Big Egg Laying Mash.....	Danbury: Barnum Feed Store.....	7.82	21.56	20.00	6.13	8.00	5.60	4.00
4259	Big Egg Scratch Grains.....	Bethel: Morrison & Dunham.....	11.10	10.50	9.50	2.78	3.50	3.36	2.00
4274	Fu -O-Pep Broiler Mash.....	Danbury: Barnum Feed Store.....	7.64	21.44	19.00	5.25	7.00	5.26	4.50
4153	Fu -O-Pep Chick Starter.....	Fairfield: Fairfield Grain & Seed Co.	8.36	18.75	17.00	5.80	7.00	5.72	4.50
4152	Fu -O-Pep Crate Fattener.....	Fairfield: Fairfield Grain & Seed Co.	8.95	14.50	13.00	5.88	7.50	4.48	4.00
4137	Fu -O-Pep Developer.....	Stratford: Farmers Flour & Grain Co.....	9.29	14.88	15.00	6.70	9.00	4.50	4.50
4136	Ful-O-Pep Egg-Breeder Mash.....	Stratford: Farmers Flour & Grain Co.....	13.93	17.88	20.00	6.50	8.00	5.48	4.50
4254	Ful-O-Pep Growing Mash.....	Bethel: Morrison & Dunham.....	8.79	20.50	19.00	4.75	7.00	5.53	5.00
3822	Peterborough Oat Feed.....	Middletown: Meech & Stoddard, Inc.....	7.87	4.63	4.00	29.63	32.00	1.80	1.50
4322	Quaker 20% Protein Dairy Ration	Thompsonville: Geo. S. Phelps & Co.....	8.98	18.75	20.00	8.20	12.00	4.06	4.00
4318	Quaker Green Cross Horse Feed..	Thompsonville: Geo. S. Phelps & Co.....	10.80	12.00	10.00	9.73	12.00	3.00	2.50
3903	Quaker Sugared Schumacher Feed.	Wallingford: A. E. Hall.....	8.85	12.38	10.00	10.10	12.00	3.79	3.00
4747	Schumacher Calf Meal.....	Manchester: Little & McKinney..	8.53	19.50	20.00	4.30	5.00	5.38	5.00
4389	Sugared Vim Oat Mill Feed.....	Torrington: F. L. Wadhams & Sons	7.55	5.63	4.50	24.95	27.50	1.53	1.25
4624	Vim Oat Mill Feed.....	Moosup: Interstate Co-op. Ex- change.....	6.20	5.44	5.00	30.45	30.00	1.63	1.50
4339	Yellow Hominy Feed.....	Ansonia: Reliable Grain & Fuel Co.	8.40	10.88	10.00	4.05	5.00	5.60	5.00
Ralston Purina Co., St. Louis, Mo.									
4758	Corn Feed Meal.....	Portland: Valley Mills.....	8.30	8.88	8.50	2.35	5.00	4.42	3.00
4754	Corn and Oat Provender.....	Manchester: Checkerboard Feed Store.....	7.83	11.50	10.00	6.30	10.00	4.68	3.50
4601	Ontario 20% Dairy Feed.....	Putnam: Checkerboard Feed Store	7.90	23.25	20.00	9.60	9.50	4.05	4.00
4757	Protena 20% Dairy Feed.....	Portland: Valley Mills.....	8.33	21.50	20.00	8.20	12.00	3.91	3.50
4218	Protena Scratch Feed.....	Stamford: Clapboard Hill Co.....	12.46	9.63	9.00	1.98	4.00	2.50	2.00
3946	Purina Breeder Lay Chow.....	New London: New London Grain Co.....	9.58	23.00	21.00	6.98	8.00	5.12	4.00
4001	Purina Broiler Chow.....	Norwich: Checkerboard Feed Store	10.29	21.38	18.00	5.85	7.00	4.92	3.50
4234	Purina Bulky Las Chow (Buffalo Mill).....	New Canaan: Clapboard Hill Co..	10.28	11.75	9.00	11.35	15.00	2.86	1.30

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Ralston Purina Co.,—Cont. St. Louis, Mo.								
3997	Purina Bulky Omolene (Buffalo Mill)	Norwich: Checkerboard Feed Store	11.04	13.88	10.00	9.85	11.00	4.50	3.20
4592	Purina Calf Startena	Putnam: Checkerboard Feed Store	9.33	21.31	19.50	8.30	9.50	3.13	3.00
4800	Purina Calf Starting Chow	Waterbury: Checkerboard Feed Store	8.63	29.69	27.00	3.70	5.00	4.06	3.20
4235	Purina Chick Chow (Coarse)	New Canaan: Clapboard Hill Co.	11.68	9.63	9.00	2.15	4.00	2.53	2.00
3952	Purina Chick Growena	New London: New London Grain Co.	10.38	16.75	15.00	5.33	7.00	4.56	3.50
4801	Purina Chick Growing Chow	Waterbury: Checkerboard Feed Store	9.05	22.56	21.00	5.28	7.00	5.48	3.50
4593	Purina Chick Startena	Putnam: Checkerboard Feed Store	8.50	20.63	18.00	4.50	7.00	5.30	4.00
4597	Purina Complete Sow and Pig Chow Ration	Putnam: Checkerboard Feed Store	8.23	18.75	15.00	4.95	6.00	4.90	3.00
4220	Purina Cow Chow 16%	Stamford: Clapboard Hill Co.	10.18	17.25	16.00	4.75	10.00	4.57	4.00
4638	Purina Cow Chow 18%	Norwich: Checkerboard Feed Store	9.80	20.88	18.00	5.75	10.00	4.50	4.00
4002	Purina Cow Chow 20%	Norwich: Checkerboard Feed Store	11.50	21.06	20.00	6.25	10.00	4.45	4.00
4232	Purina Cow Chow 24%	New Canaan: Clapboard Hill Co.	9.04	25.63	24.00	6.43	11.00	4.65	4.00
3950	Purina Dry and Freshening Chow	New London: New London Grain Co.	12.00	13.81	12.50	12.95	14.00	2.50	2.50
3945	Purina Egg Chow (Complete Ration)	New London: New London Grain Co.	9.83	18.50	15.50	6.80	8.00	4.55	3.50

4233	Purina Family Flock Chow.....	New Canaan: Clapboard Hill Co..	9.42	18.75	18.00	6.38	8.00	4.58	3.50
4802	Purina Flushing Feed.....	Waterbury: Checkerboard Feed Store.....	7.80	17.06	19.00	4.08	6.00	3.03	3.00
4599	Purina Goat Chow.....	Putnam: Checkerboard Feed Store	8.93	17.50	16.00	7.90	10.00	4.49	3.50
4753	Purina Hen Chow.....	Manchester: Checkerboard Feed Store.....	9.58	9.38	9.00	1.80	4.00	2.73	2.00
4221	Purina Lay Chow.....	Stamford: Clapboard Hill Co.....	8.30	22.06	21.00	7.03	8.00	4.85	4.00
4219	Purina Layena (Complete Ration)	Stamford: Clapboard Hill Co.....	9.68	17.69	15.50	5.55	8.00	4.76	3.50
4759	Purina Milk Chow (16%).....	Portland: Valley Mills.....	9.25	17.50	16.00	6.73	10.00	3.46	3.50
4223	Purina Milk Chow (20%).....	Stamford: Clapboard Hill Co.....	10.38	22.38	20.00	6.75	11.00	3.41	3.50
3949	Purina Milk Chow (24%).....	New London: New London Grain Co.....	10.40	26.94	24.00	7.00	11.00	3.70	3.50
4222	Purina Omolene.....	Stamford: Clapboard Hill Co.....	11.31	11.63	10.00	7.13	11.00	3.67	3.20
4639	Purina Pigeon Checkers.....	Norwich: Checkerboard Feed Store	9.68	16.75	14.00	3.93	6.00	4.60	3.00
3998	Purina Sweet Roughage.....	Norwich: Checkerboard Feed Store	10.53	8.13	6.00	24.00	25.00	1.46	1.00
4596	Purina Tenth Week Broiler Chow	Putnam: Checkerboard Feed Store	8.20	19.44	15.50	6.55	7.00	5.03	3.50
4000	Purina Turkey Chicken Fatena Checkers (Red Bag).....	Norwich: Checkerboard Feed Store	11.14	15.38	14.00	5.13	7.00	4.02	3.50
3951	Purina Turkey Growena.....	New London: New London Grain Co.....	10.22	18.81	18.00	5.90	7.00	4.20	4.00
4594	Purina Turkey Growing Chow....	Putnam: Checkerboard Feed Store	8.03	23.19	21.00	5.78	8.00	3.88	3.50
4003	Purina Turkey Layena (Complete Ration).....	Norwich: Checkerboard Feed Store	10.33	18.13	16.50	5.65	8.00	4.50	3.50
4595	Purina Turkey Startena.....	Putnam: Checkerboard Feed Store	8.28	26.63	24.00	5.35	7.00	5.53	4.50
4217	Special Scratch.....	Stamford: Clapboard Hill Co.....	12.28	10.38	9.50	2.43	4.00	3.08	2.00
John Reardon & Sons, Div. of Wilson & Co., Inc., Cambridge, Mass.									
4092	Register Brand Meat & Bone Scraps	Willimantic: Willimantic Grain Co.	5.59	42.38	45.00	1.48	3.00	13.96	8.00
4762	Register Brand Meat and Bone Scraps.....	Middletown: Meech & Stoddard, Inc.....	4.98	49.00	50.00	1.90	3.00	10.63	8.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Reliable Grain & Fuel Co., Ansonia, Conn.								
4340	Ansonia Laying Mash with Butter- Milk and Cod Liver Oil.	Ansonia: Reliable Grain & Fuel Co.	9.28	19.75	18.00	6.45	7.00	5.64	4.00
4338	Ansonia Stock Feed.	Ansonia: Reliable Grain & Fuel Co.	9.38	9.63	8.00	13.85	15.00	4.23	2.00
4336	Ansonia 20% Sweetened Dairy Feed.	Ansonia: Reliable Grain & Fuel Co.	10.88	21.13	20.00	10.48	11.00	3.60	4.00
4337	Connecticut State Open Formula Dairy Ration.	Ansonia: Reliable Grain & Fuel Co.	11.05	21.88	20.00	9.23	9.00	3.83	4.50
	E. H. Rollins & Son, Granby, Conn.								
4729	Connecticut's Best Growing Mash.	Granby: E. H. Rollins & Son.	10.30	17.31	17.00	5.65	7.00	4.85	4.50
4728	Connecticut's Best Laying Mash. .	Granby: E. H. Rollins & Son.	11.28	20.31	20.00	5.68	7.00	4.26	4.50
	H. M. Rubin Co., Long Island City, N. Y.								
3908	Rubco Meat and Bone Scrap.	Wallingford: A. E. Hall.	5.73	50.38	50.00	2.54	3.00	9.58	5.00
	Russell-Miller Milling Co., Minneapolis, Minn.								
4731	Hard Wheat Occident Bran.	Suffield: Spencer Bros.	9.25	17.13	14.00	9.20	11.50	5.78	4.00
4733	Hard Wheat Occident Flour Mid- dlings.	Suffield: Spencer Bros.	10.45	18.94	15.50	3.08	5.00	4.20	4.00

3904	Hard Wheat Occident Mixed Feed	Wallingford: A. E. Hall.	11.35	17.38	15.00	8.53	9.50	5.33	4.50
4321	Hard Wheat Occident Standard Middlings.	Thompsonville: Geo. S. Phelps & Co.	9.93	18.63	15.00	8.48	9.50	5.83	4.00
Saunders Mills, Inc., Toledo, Ohio									
2908	17% Alfalfa Meal.	Winsted: E. Manchester & Sons. . .	7.13	13.63	17.00	32.53	27.00	1.68	1.50
4561	17% Alfalfa Meal.	Abington: Big Y Feed Store.	4.18	15.50	17.00	29.15	27.00	2.93	1.50
Schenley Distilleries, Inc., New York, N. Y.									
4630	Corn Distillers Dried Grains.	Norwich: Yantic Grain & Products Co.	6.58	28.06	28.00	12.42	13.00	8.58	8.00
Schoeneck Farms, Inc., Nazareth, Pa.									
3906	Keystone Brand Dehydrated Alfalfa Meal 13%.	Wallingford: A. E. Hall.	7.52	9.94	13.00	23.50	30.00	3.14	2.00
3772	Keystone Brand Dehydrated Alfalfa Meal 17%.	Guilford: Fred C. Morse & Son. . . .	6.79	11.94	17.00	23.33	25.00	2.66	2.00
3901	Keystone Brand Dehydrated Alfalfa Meal 17%.	Guilford: Fred C. Morse & Son. . . .	6.30	12.81	17.00	23.20	25.00	3.13	2.00
4150	Keystone Brand Dehydrated Alfalfa Meal 17%.	Guilford: Fred C. Morse & Son. . . .	4.40	16.81	17.00	22.68	25.00	2.95	2.00
4724	Keystone Brand Dehydrated Alfalfa Meal 17%.	Granby: E. H. Rollins & Son.	4.43	16.75	17.00	22.80	25.00	2.85	2.00
4091	Keystone Brand Dehydrated Alfalfa Meal 20%.	Willimantic: Willimantic Grain Co.	7.50	16.13	20.00	24.30	20.00	2.86	2.00
Schuyler Warehouse, Inc., Albany, N. Y.									
4369	Dried Skim Milk Powder.	Thomaston: Thomaston Supply Co.	5.35	36.00	32.00	.....	.....	0.60	0.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Units per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4524	Sea Board Supply Co., Inc., Philadelphia, Pa. Dehydrated Alfalfa Meal.....	Rockville: Rockville Grain & Coal Co.....	5.28	20.13	17.00	22.65	25.00	4.04	2.00
4106	Ground Fish.....	Willimantic: Willimantic Grain Co.	9.11	53.44	55.00	4.90	3.00	5.71	5.00
4398	Joseph E. Seagram & Sons, Inc., Louisville, Ky. Seagram's Corn Distillers Dried Grains.....	Winsted: E. Manchester & Sons...	5.73	27.88	28.00	7.23	14.00	10.38	8.00
4352	Seymour Grain & Coal Co., Seymour, Conn. 18 Dairy Ration.....	Seymour: Seymour Grain & Coal Co.....	9.68	20.00	1 0	7.55	10.00	.55	4.00
4355	Miracle Chick Feed.....	Seymour: Seymour Grain & Coal Co.....	10.15	9.63	10.00	2.35	5.00	.68	2.50
4349	Miracle Chick Starter and Broiler Ration.....	Seymour: Seymour Grain & Coal Co.....	8.85	19.94	18.00	5.75	.00	4.60	4.00
4353	Miracle Fitting Ration.....	Seymour: Seymour Grain & Coal Co.....	9.48	15.38	12.00	7.73	.50	4.30	4.00

4350	Miracle Grower.....	Seymour: Seymour Grain & Coal Co.....	8.80	17.94	16.00	5.83	6.00	4.59	4.00
4354	Miracle Horse Feed.....	Seymour: Seymour Grain & Coal Co.....	9.38	11.63	10.00	4.85	9.00	4.18	3.50
4344	Miracle Mash.....	Seymour: Seymour Grain & Coal Co.....	8.68	19.81	19.00	6.48	6.00	5.13	4.50
4351	Miracle Scratch Feed.....	Seymour: Seymour Grain & Coal Co.....	10.18	9.88	10.00	3.23	6.00	3.10	2.50
4345	See-More Milk Dairy Ration.....	Seymour: Seymour Grain & Coal Co.....	9.28	21.19	20.00	6.63	9.50	4.95	4.50
The A. E. Shedd Co., Norwich, Conn.									
3986	Shedd's Special Broiler Mix Ration	Norwich: A. E. Shedd Co.....	9.79	19.88	17.50	6.40	7.50	5.00	4.00
3992	Shedd's Special Grower Mix.....	Norwich: A. E. Shedd Co.....	10.28	18.38	16.00	7.13	8.00	4.82	4.00
The Sherwin-Williams Co., Cleveland, Ohio									
3734	Sherwin-Williams Pure Old Process Linseed Meal 34%.....	Branford: S. V. Osborn Estate..	10.26	34.00	34.00	7.15	9.00	5.70	4.50
The Southern Cotton Oil Co., Memphis, Tenn.									
4319	"Gold Seal Brand" 41.12 Per Cent Protein Cottonseed Meal.....	Thompsonville: Geo. S. Phelps & Co.....	6.40	41.00	41.12	9.28	11.00	7.43	5.00
St. Albans Grain Co., St. Albans, Vt.									
3836	Champlain Valley 20 Dairy Ration	Middlefield: Middlefield Grain & Coal Co.....	11.14	22.38	20.00	6.60	8.50	4.09	4.00
4664	Champlain Valley 24 Dairy Ration	Kensington: A. S. Labieniec.....	8.78	25.50	24.00	6.90	9.00	4.25	4.00
3976	Energy 20 Dairy Ration.....	Norwich: Norwich Grain Co.....	10.34	21.81	20.00	6.13	8.00	3.53	3.50
3838	Hygrade 12 Fitting Ration.....	Middlefield: Middlefield Grain & Coal Co.....	11.40	14.38	12.00	5.60	8.00	4.52	4.00
3984	Hygrade Horse Feed.....	Norwich: Norwich Grain Co.....	12.83	11.81	9.50	5.70	9.00	3.36	3.25

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fib r		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	St. Albans Grain Co.,—Cont. St. Albans, Vt.								
4479	Hygrade 16 Milk Ration	Stepney: Wirthmore Grain & Coal Co.	10.00	17.81	16.00	6.38	8.50	3.83	4.00
3786	Hygrade 20 Milk Ration	Clinton: Clinton Grain Co.	10.87	22.50	20.00	6.18	8.00	4.20	4.00
4316	Hygrade 24 Milk Ration	Southbury: Southbury Grain Co.	10.24	25.56	24.00	5.93	8.50	4.11	4.00
4315	Mornin' Call Poultry Grains	Southbury: Southbury Grain Co.	11.93	9.50	9.50	2.45	4.00	3.28	2.50
4314	Pilgrim 20 Dairy Ration	Southbury: Southbury Grain Co.	11.13	20.81	20.00	5.45	8.00	4.08	4.00
4269	Pilgrim Laying Mash	New Milford: Soule Grain Co.	8.10	18.63	18.00	5.93	7.00	4.50	4.00
4637	Pilgrim Scratch Feed	Norwich: Norwich Grain Co.	11.43	9.75	9.50	2.68	4.00	3.24	2.50
4529	Utility 16 Dairy Ration	Stafford Springs: Valley Grain Co.	8.30	18.75	16.00	10.63	13.00	3.53	3.00
3977	Utility 20 Dairy Ration	Norwich: Norwich Grain Co.	10.36	21.88	20.00	8.10	12.00	3.50	3.50
4200	Utility Growing Ration	Southport: C. Buckingham & Co.	9.70	18.19	15.00	6.93	7.00	4.20	4.00
4805	Wirthmore Baby Chick Scratch	New Milford: Soule Grain Co.	9.45	12.94	10.00	1.75	3.50	3.43	2.50
4075	Wirthmore Baby Chick Starter	Colchester: L. Broder	9.94	21.25	19.00	5.13	6.00	4.85	4.00
4264	Wirthmore 25 Balanced Ration	New Milford: Soule Grain Co.	9.55	25.00	25.00	7.40	8.50	4.29	4.50
3985	Wirthmore Breeder Mash	Norwich: Norwich Grain Co.	9.94	22.63	20.00	5.40	7.00	4.76	4.50
4475	Wirthmore Breeder Pellets	Stepney: Wirthmore Grain & Coal Co.	9.00	16.00	15.00	4.95	6.00	5.35	4.00
4198	Wirthmore Calf Starter Mash (or Pellets)	Southport: C. Buckingham & Co.	9.75	25.19	24.00	3.55	4.00	5.03	5.00
3790	Wirthmore Complete Chick Starter and Broiler Ration	Clinton: Clinton Grain Co.	10.63	20.00	17.50	5.23	6.00	4.39	4.00

3789	Wirthmore Complete Egg Ration.....	Clinton: Clinton Grain Co.....	10.65	16.38	15.00	5.00	6.00	5.02	4.00
4115	Wirthmore Complete Growing Ration.....	Milford: Milford Grain Co.....	10.18	14.06	14.00	5.55	6.00	4.45	3.75
3753	Wirthmore Complete Laying Ration.....	Branford: S. V. Osborn Estate.....	10.69	15.75	15.00	5.35	6.00	4.82	4.00
3837	Wirthmore 16 Dairy Ration.....	Middlefield: Middlefield Grain & Coal Co.....	11.29	17.38	16.00	6.23	8.00	3.91	4.00
3787	Wirthmore 20 Dairy Ration.....	Clinton: Clinton Grain Co.....	11.12	21.25	20.00	6.68	8.00	4.74	4.50
4525	Wirthmore 20 Dairy Ration containing Fortified Cod Liver Oil..	Stafford Springs: Valley Grain Co.	8.90	21.88	20.00	6.38	8.00	5.10	4.50
3839	Wirthmore Finishing Pellets.....	Middlefield: Middlefield Grain & Coal Co.....	10.28	15.75	15.00	5.13	6.50	4.14	4.00
3784	Wirthmore 14 Fitting Ration.....	Clinton: Clinton Grain Co.....	12.19	16.00	14.00	5.88	7.00	4.26	4.00
4799	Wirthmore 14 Fitting Ration.....	Wallingford: Chate School.....	9.98	16.81	14.00	5.75	7.00	4.83	4.00
4477	Wirthmore Fleshing and Fattening Mash.....	Stepney: Wirthmore Grain & Coal Co.....	9.30	15.44	15.00	3.80	6.00	4.78	4.50
3738	Wirthmore Flour Middlings.....	Branford: S. V. Osborn Estate.....	10.66	16.25	15.00	4.85	6.00	4.46	4.00
3840	Wirthmore Fodder Greens.....	Middlefield: Middlefield Grain & Coal Co.....	11.13	14.13	10.00	9.20	15.00	3.28	3.00
4199	Wirthmore Goat Pellets.....	Southport: C. Buckingham & Co..	1.99	17.63	16.00	4.98	8.00	4.16	4.00
4114	Wirthmore Growing Mash.....	Milford: Milford Grain Co.....	9.86	18.00	17.50	5.93	6.00	4.80	4.50
4526	Wirthmore Growing Pellets.....	Stafford Springs: Valley Grain Co.	9.03	15.13	14.00	5.75	6.00	4.25	3.75
3755	Wirthmore Horse Feed.....	Branford: S. V. Osborn Estate.....	12.44	10.38	9.80	6.48	9.00	3.47	3.25
3752	Wirthmore Laying Mash.....	Branford: S. V. Osborn Estate.....	10.45	20.38	20.00	4.95	7.00	5.07	4.00
3981	Wirthmore Laying Pellets.....	Norwich: Norwich Grain Co.....	9.33	15.94	15.00	6.00	6.00	4.41	4.00
4093	Wirthmore Pig and Hog Feed.....	New Haven: R. G. Davis & Sons, Inc.....	10.00	18.31	17.00	5.70	9.00	5.43	4.00
3980	Wirthmore Poultry Flush.....	Norwich: Norwich Grain Co.....	9.36	18.75	17.50	5.38	5.00	4.18	4.00
4263	Wirthmore Record Ration.....	New Milford: Soule Grain Co.....	9.08	23.88	20.00	7.15	8.50	5.10	4.25
3756	Wirthmore Scratch Feed.....	Branford: S. V. Osborn Estate.....	12.51	10.00	9.50	2.48	4.00	3.02	2.50
4480	Wirthmore Stock Feed.....	Stepney: Wirthmore Grain & Coal Co.....	8.50	11.69	9.00	8.80	9.50	5.11	4.00
4476	Wirthmore Super Pellets.....	Stepney: Wirthmore Grain & Coal Co.....	7.80	21.25	20.00	8.75	10.00	4.68	4.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Sta i n No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4097	St. Albans Grain Co.,—Cont. St. Albans, Vt. Wirthmore Turkey Breeder Ration (Or Pellets).....	New Haven: R. G. Davis & Sons, Inc.....	9.50	25.50	24.00	5.80	7.00	4.84	4.50
4099	Wirthmore Turkey Fattening Ration (Or Pellets).....	New Haven: R. G. Davis & Sons, Inc.....	9.84	19.31	16.00	4.85	7.00	4.53	4.50
3754	Wirthmore Turkey Growing Ration (Or Pellets).....	Branford: S. V. Osborn Estate....	10.00	21.50	20.00	5.55	7.00	4.56	4.00
3751	Wirthmore Turkey Starting Ration	Branford: S. V. Osborn Estate....	9.74	26.25	25.00	5.13	7.00	4.84	4.50
4665	Wirthmore Wheat Feed.....	Kensington: A. S. Labieniec.....	9.43	17.13	15.00	6.80	8.00	4.73	3.75
	A. E. Staley Mfg. Co., Decatur, Ill.								
3743	Staley's Corn Gluten Feed.....	Branford: S. V. Osborn Estate....	11.22	27.50	25.00	6.50	8.00	2.00	1.50
4061	Staley's Soybean Oil Meal.....	Colchester: P. Cutler, Inc.....	11.50	43.75	41.00	5.43	7.00	4.40	4.00
	Standard Milling Co., Chicago, Ill.								
4417	Hecker's Choice Wheat Bran with Ground Wheat Screenings.....	Canaan: Community Service, Inc..	10.15	17.94	13.50	9.90	12.00	5.50	3.50
4472	Hecker's Wheat Red Dog.....	Long Hill: Long Hill Feed Store...	10.10	18.75	15.00	3.00	3.00	4.46	3.00

4348	Hecker's Wheat Standard Middlings with Ground Wheat Screenings.....	Seymour: Seymour Grain & Coal Co.....	9.08	17.94	15.00	7.85	9.50	5.90	4.00
4161	Pure Wheat Bran.....	West Cheshire: Cheshire Grain & Coal Co.....	10.35	17.00	14.00	9.80	12.00	5.10	4.00
4734	Wheat Standard Middlings with Ground Wheat Screenings.....	Thompsonville: Geo. S. Phelps & Co.....	8.68	16.00	15.00	7.25	9.50	5.10	4.00
4723	XXX Comet.....	Bloomfield: Bloomfield Farmers' Exchange.....	9.88	16.81	16.00	2.60	4.00	4.55	4.00
D. A. Stickell & Sons, Inc., Hagerstown, Md.									
4138	Dairy Queen Sweet 20% Milk Maker:.....	Stratford: Farmers Flour & Grain Co.....	10.18	23.75	20.00	6.08	10.00	3.70	3.50
4745	Snap Sweet 20% Dairy Feed.....	So. Windsor: So. Windsor Grain & Feed Co.....	7.18	23.88	20.00	8.43	12.00	3.53	3.00
4107	Snap Scratch Grains.....	Derby: Derby Feed Store.....	12.03	9.63	10.00	4.68	5.00	2.58	2.50
4779	Stickell's Certified 20% Dairy Ration.....	Middlefield: Terrell & Burnham....	9.55	22.81	20.00	6.33	8.00	4.10	4.00
3868	Su-Pur Horse and Calf Feed.....	New Haven: Moran-Patton Co.....	12.67	9.38	9.00	5.75	12.00	3.23	2.50
4474	Su-Pur Horse and Calf Feed.....	Long Hill: Long Hill Feed Store....	11.20	9.75	9.00	6.00	12.00	2.63	2.50
4204	Zip Egg Mash (Anchor Mills).....	So. Norwalk: Roodner Feed Co....	9.73	19.00	18.00	6.13	6.00	5.00	4.00
3866	Zip Growing Mash.....	New Haven: Moran-Patton Co....	11.00	16.63	15.00	5.83	6.00	4.83	4.00
F. W. Stock & Sons, Hillsdale, Mich.									
4547	Stock's Litchfield Mixed Feed.....	Eastford: Wm. S. Warren.....	8.00	16.88	15.00	7.33	8.00	4.95	4.00
4543	Stock's Wheat Bran.....	Eastford: Wm. S. Warren.....	9.10	20.88	17.50	7.88	10.00	5.65	4.00
4552	Stock's Wheat Middlings.....	Eastford: Wm. S. Warren.....	8.75	17.38	17.50	4.75	7.00	4.85	4.00
David Stott Flour Mills, Inc., Detroit, Mich.									
3979	Pennant Wheat Middlings and Wheat Screenings.....	Norwich: Norwich Grain Co..	9.45	17.75	15.00	8.18	9.00	4.51	4.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
3978	David Stott Flour Mills, Inc.,—Cont. Detroit, Mich. Spring Wheat Bran and Wheat Screenings.....	Norwich: Norwich Grain Co.....	10.23	16.31	14.50	10.88	12.50	4.81	4.00
4365	Thomaston Supply Co., Thomaston, Conn. Thomaston Dairy Ration.....	Thomaston: Thomaston Supply Co.	9.30	22.56	20.00	7.80	9.00	5.20	4.00
4367	Thomaston Egg Mash with Nopco XX Concentrated Cod Liver Oil	Thomaston: Thomaston Supply Co.	8.85	19.63	18.00	8.55	8.00	4.88	4.00
4366	Thomaston Growing Mash with Nopco XX Concentrated Cod Liver Oil.....	Thomaston: Thomaston Supply Co.	9.00	17.94	15.00	8.00	8.00	4.51	4.00
4371	Thomaston Scratch Feed.....	Thomaston: Thomaston Supply Co.	11.90	10.13	10.00	2.40	5.00	2.60	3.00
4370	Thomaston Stock Feed with Nopco XX Concentrated Cod Liver Oil	Thomaston: Thomaston Supply Co.	9.28	15.31	15.00	7.00	9.00	5.33	5.00
4432	Tioga Mills, Inc., Waverly, N. Y. 20% Creamatine.....	Hawleyville: W. A. Honan.....	9.20	21.75	20.00	7.15	10.00	5.53	4.50
4427	Derby 20% Dairy Feed.....	Hawleyville: W. A. Honan.....	9.73	20.81	20.00	9.00	12.00	4.23	3.75
4435	Derby Scratch Feed.....	Hawleyville: W. A. Honan.....	11.43	11.63	9.00	2.13	4.50	3.00	2.50

4437	Egatine.....	Hawleyville: W. A. Honan.....	9.05	25.00	23.00	5.05	7.50	5.00	4.00
4438	Neverfail Grower.....	Hawleyville: W. A. Honan.....	9.65	17.38	16.00	6.58	8.00	4.88	4.00
4410	Or-Co Feed.....	Southbury: H. H. Stone.....	9.25	19.56	18.00	10.58	12.00	3.44	3.00
4439	Tasty Laying Food—Without Cod Liver Oil.....	Hawleyville: W. A. Honan.....	8.98	22.63	20.00	6.40	7.50	5.23	4.00
4440	Tioga Calf Food.....	Hawleyville: W. A. Honan.....	9.35	25.00	24.00	4.78	6.00	4.80	3.00
4433	Tioga E-Gee 20% Dairy Feed.....	Hawleyville: W. A. Honan.....	9.43	21.63	20.00	7.25	10.00	4.85	4.00
4431	Tioga Horse Feed.....	Hawleyville: W. A. Honan.....	10.83	11.38	10.00	6.40	8.00	3.55	3.00
4434	Tioga Red Brand 24% Dairy Feed	Hawleyville: W. A. Honan.....	9.10	24.75	24.00	7.60	10.00	5.00	4.50
4436	Tioga Starter and Grower.....	Hawleyville: W. A. Honan.....	9.70	17.50	16.50	6.08	7.50	4.56	4.00
Jacob Trinley & Sons, Linfield, Pa.									
4578	Favorite Laying (Complete) Mash.	Quinebaug: M. T. Dart.....	8.53	21.50	18.00	6.20	7.50	4.76	4.00
4577	Real 20% Dairy Feed.....	Quinebaug: M. T. Dart.....	9.13	23.63	20.00	7.73	11.00	4.83	4.00
4581	Real Laying Mash.....	Quinebaug: M. T. Dart.....	9.80	22.06	20.00	6.50	6.50	4.55	4.00
4165	Real Scratch Grains.....	Southington: Louis Perillo Coal Co.	11.75	10.81	10.00	2.40	4.00	2.50	2.50
4174	Supreme 85% Horse Feed.....	Southington: Louis Perillo Coal Co.	12.25	10.25	9.00	7.48	11.00	3.28	3.00
4576	Trinley's 20% Dairy Feed.....	Quinebaug: M. T. Dart.....	9.43	20.38	20.00	7.28	11.00	3.20	4.00
United Co-operative Farmers, Inc., Fitchburg, Mass.									
4619	United Farmers Egg Mash.....	Danielson: United Farmers' Co-op.	8.53	21.88	20.00	7.03	7.50	4.78	4.00
4646	United Farmers Grower.....	Danielson: United Farmers' Co-op.	8.08	20.13	18.00	6.53	7.50	4.85	4.50
4618	United Farmers Layer.....	Danielson: United Farmers' Co-op.	8.48	20.81	18.50	5.73	7.50	5.28	4.50
4615	United Farmers Milkmaker.....	Danielson: United Farmers' Co-op.	8.28	24.19	20.00	6.35	8.00	5.46	4.50
4616	United Farmers Scratch Feed.....	Danielson: United Farmers' Co-op.	9.10	12.19	10.00	2.55	7.00	2.74	3.50
4617	United Farmers Starter.....	Danielson: United Farmers' Co-op.	7.35	18.75	17.00	5.98	6.00	5.08	4.00
Unity Feeds, Inc., Boston, Mass.									
4155	Paycheck 20% Dairy Ration.....	Fairfield: Fairfield Grain & Seed Co.	10.38	23.00	20.00	7.75	11.00	4.10	4.00
4598	Unity Breeder Mash.....	Putnam: Checkerboard Feed Store	8.23	20.44	18.00	6.13	7.00	5.43	3.00
4156	Unity Complete Starting and Broiler Mash.....	Fairfield: Fairfield Grain & Seed Co.	9.56	19.44	17.00	4.78	5.50	4.31	3.50

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Unity Feeds, Inc.,—Cont. Boston, Mass.								
3987	Unity 20% Dairy Ration.....	Norwich: A. E. Shedd Co.....	10.04	22.44	20.00	6.85	10.00	4.56	4.00
3988	Unity 24% Dairy Ration.....	Norwich: A. E. Shedd Co.....	10.44	24.81	24.00	7.40	10.00	4.65	4.00
4532	Unity Growing Mash with Cod Liver Oil.....	West Willington: Hansen's Store..	8.93	15.81	14.00	5.33	7.00	5.15	3.00
4154	Unity Horse Feed.....	Fairfield: Fairfield Grain & Seed Co.	7.20	11.63	10.00	5.88	9.00	3.53	3.00
4531	Unity Laying Mash with Cod Liver Oil.....	West Willington: Hansen's Store..	8.60	19.56	18.00	5.98	7.00	5.16	3.00
4533	Unity Scratch Feed.....	West Willington: Hansen's Store..	11.50	9.88	10.00	2.53	5.00	2.60	2.50
4534	Unity Stock Feed.....	West Willington: Hansen's Store..	7.28	9.56	8.50	9.60	12.00	5.04	4.00
	Van Vechten Milling Corp., Rochester, N. Y.								
3823	Irving Mills Rye Feed.....	Middletown: Meech & Stoddard, Inc.....	10.02	17.50	13.00	4.78	10.00	3.50	2.00
	Victor Flour Mills, Inc., Pittsford, N. Y.								
4468	Victor Spring Wheat Bran with Ground Wheat Screenings.....	Long Hill: Long Hill Feed Store...	9.75	16.00	15.00	8.40	11.00	4.28	4.00
	Hiram Walker & Sons, Inc., Peoria, Ill.								
4726	Corn Distillers' Dried Grains.....	Granby: E. H. Rollins & Son.	7.38	30.69	28.00	7.48	10.00	7.48	6.00

	The Watertown Co-op. Assoc., Inc., Watertown, Conn.								
4363	Sterling Scratch Grains No Grit...	Watertown: Watertown Co-op. Assoc., Inc.	11.43	9.94	10.00	2.35	4.00	2.70	2.50
	Wayne County Grangers Feed Corp., Clyde, N. Y.								
4556	Clyde 20% Dairy Feed.....	Eastford: Wm. S. Warren.....	9.65	19.75	20.00	7.93	10.00	4.13	4.00
4517	Complete Calf Grower.....	Rockville: Rockville Grain & Coal Co.....	10.40	15.19	16.00	7.05	7.00	3.70	4.00
4557	Cornell Mash with Milk and Cod Liver Oil.....	Eastford: Wm. S. Warren.....	8.10	19.69	18.00	6.08	10.00	5.41	4.00
4553	Dutchess Scratch Feed.....	Eastford: Wm. S. Warren.....	10.88	9.63	10.00	1.95	6.00	2.30	3.00
4546	Economy 20% Dairy Feed.....	Eastford: Wm. S. Warren.....	7.75	24.00	20.00	8.50	12.00	4.10	4.00
4548	Milkproducer 24% Dairy Feed....	Eastford: Wm. S. Warren.....	9.68	23.63	24.00	8.60	10.00	4.08	4.00
4555	Satisfaction Laying Mash with Milk and Cod Liver Oil.....	Eastford: Wm. S. Warren.....	8.33	19.50	17.00	6.10	8.00	4.68	4.00
4551	Superior Growing Mash with Milk and Cod Liver Oil.....	Eastford: Wm. S. Warren.....	8.13	20.94	17.50	5.43	7.00	5.23	4.00
4550	Superior Horse Feed.....	Eastford: Wm. S. Warren.....	10.28	11.00	10.00	5.80	9.00	2.93	3.00
	West-Nesbitt, Inc., Oneonta, N. Y.								
4535	All Pure 20% Milk Ration.....	Mansfield Depot: G. Merritt Thompson.....	9.63	22.63	20.00	7.45	10.00	3.85	4.00
4164	Ideal 20 Per Cent Dairy Ration...	Southington: Louis Perillo Coal Co.	10.65	22.50	20.00	7.30	10.00	3.95	3.00
4676	Pure Feed Dairy Ration.....	Bristol: Farm Feed and Supply Co.	8.45	24.50	20.00	8.18	10.00	4.58	4.00
4539	Pure Feed Developer Mash.....	Mansfield Depot: G. Merritt Thompson.....	8.35	17.75	18.00	6.05	6.50	4.58	4.00
4538	Pure Feed Egg Maker.....	Mansfield Depot: G. Merritt Thompson.....	9.00	19.63	18.00	7.48	8.00	4.83	4.00
4536	Pure Feed Egg Mash.....	Mansfield Depot: G. Merritt Thompson.....	8.78	21.00	20.00	6.98	6.00	4.53	4.00
4540	Pure Feed Horse Ration.....	Mansfield Depot: G. Merritt Thompson.....	9.48	12.25	9.00	7.33	10.00	3.76	3.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

State	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
4537	West-Nesbitt, Inc.,—Cont. Oneonta, N. Y. Pure Feed Scratch Grains.....	Mansfield Depot: G Merritt Thompson.....	10.98	9.63	10.00	2.11	5.00	2.48	2.50
4677	Pure Feed Starting and Growing Mash.....	Bristol: Farm Feed and Supply Co	8.63	19.19	18.00	6.70	6.00	4.73	4.00
4761	Wilmington Packing Co., Woburn, Mass. Phoenix Blended Fish Meal.....	Middletown: Meech & Stoddard, Inc.....	6.23	55.00	55.00	2.05	3.00	10.23	8.00
4112	Wolf's Feed Store, Shelton, Conn. Wolf's Chick Starter.....	Shelton: Wolf's Feed Store.....	9.23	18.13	16.50	6.15	7.00	4.46	4.00
4109	Wolf's Egg Mash (With Cod Liver Oil).....	Shelton: Wolf's Feed Store.....	9.15	20.00	19.00	6.53	8.00	5.53	4.00
4110	Wolf's Growing Mash with Cod Live: Oil.....	Shelton: Wolf's Feed Store.....	8.90	17.13	17.00	6.60	8.00	5.43	4.00
4111	Wolf's Sweetened 20% Dairy Ration.....	Shelton: Wolf's Feed Store.....	9.84	20.13	20.00	8.05	9.00	4.82	4.50
4542	The Worcester Rendering Co., Auburn, Mass. Prosperity Worcester Fish Meal...	So. Coventry: E. W. Latimer.....	4.80	52.81	50.00	2.00	2.00	9.58	4.00

	Yantic Grain & Products Co., Norwich, Conn.								
4482	All-Mo.....	Stepney: Big Y Feed Store.....	11.13	13.38	11.00	14.80	19.00	1.68	1.50
4090	Big (Y) All in All Egg Ration.....	Willimantic: Boston Grain Store... 10.02	18.00	15.00	3.98	5.00	4.63	4.00	
4452	Big (Y) All in All Growing Ration.....	Mt. Carmel: Hamden Grain Co.... 8.90	16.50	15.00	4.88	5.00	5.03	4.00	
4451	Big (Y) Breeder Mash.....	Mt. Carmel: Hamden Grain Co.... 8.70	21.88	20.00	4.95	7.00	5.23	4.50	
3848	Big (Y) Chick Starter with Cod Liver Oil.....	Middlefield Center: Middlefield Grain Co.....	10.15	19.00	18.00	4.33	8.00	4.65	4.00
4454	Big (Y) Chick Starter with Cod Liver Oil.....	Mt. Carmel: Hamden Grain Co.... 9.13	19.38	18.00	4.45	8.00	5.04	4.00	
3850	Big (Y) Complete Chick Starter and Broiler Ration.....	Middlefield Center: Middlefield Grain Co.....	10.25	19.25	17.50	5.05	6.00	5.08	4.00
4361	Big (Y) Dairy, 16%.....	Naugatuck: Naugatuck Grain Co.. 10.33	18.94	16.00	6.55	9.00	3.95	4.00	
3845	Big (Y) Dairy, 20%.....	Middlefield Center: Middlefield Grain Co.....	11.38	22.75	20.00	6.80	9.00	4.03	4.50
4239	Big (Y) Dairy, 24%.....	Danbury: Big Y Feed Store..... 9.60	25.19	24.00	6.80	9.00	4.25	4.75	
4360	Big (Y) Fitting Ration.....	Naugatuck: Naugatuck Grain Co.. 9.83	13.69	12.00	8.10	9.50	3.58	3.00	
4236	Big (Y) Flour Middlings.....	Danbury: Big Y Feed Store..... 9.80	15.25	16.50	5.15	6.00	4.03	4.00	
4559	Big (Y) Hog and Pig Ration.....	Abington: Big Y Feed Store..... 9.05	17.88	17.00	6.45	7.00	4.75	4.00	
3844	Big (Y) Horse Feed.....	Middlefield Center: Middlefield Grain Co.....	13.48	10.06	9.00	7.25	8.00	3.19	2.00
4089	Big (Y) Laying Mash with Dried Milk and Cod Liver Meal.....	Willimantic: Boston Grain Co.... 10.01	18.50	18.00	5.93	7.00	5.16	4.00	
3849	Big (Y) Milk and Oil Growing Feed	Middlefield Center: Middlefield Grain Co.....	9.97	18.63	15.00	6.95	7.00	4.99	4.00
4237	Big (Y) Mixed Feed.....	Danbury: Big Y Feed Store..... 10.53	17.38	16.00	6.25	8.00	4.06	4.00	
4446	Big (Y) Scratch Feed.....	Mt. Carmel: Hamden Grain Co.... 12.08	10.63	10.00	2.40	5.00	3.08	2.00	
3846	Big (Y) Stock Feed.....	Middlefield Center: Middlefield Grain Co.....	10.61	9.19	9.00	12.13	12.00	3.63	4.00
4558	Big (Y) Sugared Stock Feed.....	Abington: Big Y Feed Store..... 8.90	8.81	9.00	11.20	12.00	3.23	3.50	
3851	Big (Y) Turkey Growing Feed....	Middlefield Center: Middlefield Grain Co.....	10.67	21.25	20.00	5.28	6.00	4.74	4.50
4635	Big (Y) Turkey Starter.....	Norwich: Yantic Grain & Products Co.....	7.98	27.50	24.00	4.83	7.00	5.25	4.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1939—CONTINUED

Station No.	Manufacturer and Brand	Retail dealer in Connecticut	Pounds per hundred (or percent)						
			Water	Protein (N x 6.25)		Fiber		Fat	
				Found	Guaranteed not less than	Found	Guaranteed not more than	Found	Guaranteed not less than
	Yantic Grain & Products Co., —Continued Norwich, Conn.								
4629	Broiler Fattening Mash.....	Yantic: Yantic Grain Co.	9.13	16.38	15.00	3.98	6.00	5.10	4.00
4636	Columbia Dairy Feed.....	Norwich: Yantic Grain & Products Co.	9.13	20.63	20.00	11.53	12.00	4.15	3.00
4560	Columbia Horse Feed.....	Abington: Big Y Feed Store.	11.48	10.75	10.00	9.83	7.00	3.00	3.00
4453	Columbia Laying Mash.....	Mt. Carmel: Hamden Grain Co. ...	8.83	17.38	16.00	7.45	7.00	4.68	4.00
4238	Columbia Scratch Feed.....	Danbury: Big Y Feed Store.....	11.50	9.75	10.00	2.35	5.00	3.03	2.00
4481	Economy Horse Feed.....	Stepney: Big Y Feed Store.....	10.15	8.25	8.00	12.15	15.00	2.60	2.00
3847	Milk and Oil Laying Mash.....	Middlefield Center: Middlefield Grain Co.	9.89	19.38	18.00	5.83	7.00	5.30	4.00
4356	Open Formula Dairy 20%.....	Naugatuck: Naugatuck Grain Co.	9.25	22.81	20.00	7.33	9.00	4.51	4.00
4357	Open Formula Dairy 24%.....	Naugatuck: Naugatuck Grain Co.	9.03	26.06	24.00	6.68	9.00	4.51	4.25
4358	Purity Dairy Ration 20%.....	Naugatuck: Naugatuck Grain Co.	8.30	21.50	20.00	7.10	8.00	3.87	4.00
4628	Purity No Filler Dairy Ration 24%	Yantic: Yantic Grain Co.	9.48	24.25	24.00	6.95	8.00	4.80	4.00

TABLE 2. VITAMIN D CARRIERS

No.	Manufacturer and Brand	Sampled from stock of	Vitamin D unitage claimed	Remarks
5315	Apothecaries Hall Co., Waterbury, Conn. Cod Liver Oil, Poultry, U.S.P. Non-destearinated.	Derby: Derby Feed Store.....	85	Passed
2262 5049	F. E. Booth Co., Inc., San Francisco, Calif. Improved Sardilene..... Improved Sardilene.....	Plainville: Sunshine Feed Store..... Plainville: Sunshine Feed Store.....	100 100	Passed Satisfactory
2724 3890 4129	Consumers Import Co., Inc., New York, N. Y. De Luxe U.S.P., Cod Liver Oil..... De Luxe U.S.P., Cod Liver Oil..... De Luxe U.S.P., Cod Liver Oil.....	New Haven: R. G. Davis & Sons, Inc..... New Haven: R. G. Davis & Sons, Inc..... Stafford Springs: Stafford Grain and Supply Co.....	100 100 100	Satisfactory Satisfactory Satisfactory
2269 4128	Gorton-Pew Fisheries Co., Ltd., Gloucester, Mass. Gorton's G. P. Cod Liver Oil, Fortified..... Gorton's G. P. Cod Liver Oil, Fortified.....	Norwich: Yantic Grain & Products Co..... Stratford: Farmers Flour and Grain Co....	400 400	Passed Satisfactory
2267	Gunning & Gunning, New York, N. Y. Vi-Test "400" Fortified Cod Liver Oil.....	No. Westchester: Solomon Bros.....	400	Satisfactory

Vitamin D Carriers

TABLE 2. VITAMIN D CARRIERS—Continued

No.	Manufacturer and Brand	Sampled from stock of	Vitamin D unitage claimed	Remarks
Gunning & Gunning, Inc.,—Cont. New York, N. Y.				
2272	Vi-Test "100" Cod Liver Oil.....	Plantsville: C. A. Cowles, Inc.....	100	Satisfactory
5053	Vi-Test "400" Fortified Cod Liver Oil.....	No. Westchester: Westchester Grain and Oil Co.....	400	Passed
5316	Vi-Test "100" Cod Liver Oil.....	Mt. Carmel: Hamden Grain Co.....	100	Satisfactory
5314	Vi-Test "100" Cod Liver Oil.....	New Britain: C. W. Lines Co.....	100	Below standard
McKesson & Robbins, Inc., New York, N. Y.				
2268	British Cod Liver Oil Poultry, U.S.P. Non-deste- arinated, Sol-Vit-Ax.....	Colchester: L. Broder.....	100	Satisfactory
2648	British Cod Liver Oil Poultry, U.S.P. Destearinat- ed, Sol-Vit-Ax.....	New Britain: C. W. Lines Co.....	100	Satisfactory
2649	British Cod Liver Oil, Poultry, U.S.P. Non-deste- arinated, Sol-Vit-Ax.....	Derby: H. L. Litsky.....	100	Satisfactory
2650	British Cod Liver Oil, Poultry, U.S.P. Non-deste- arinated, Sol-Vit-Ax.....	Shelton: Wolf Savitsky.....	100	Passed
2727	British Cod Liver Oil, Poultry, U.S.P. Non-deste- arinated, Sol-Vit-Ax.....	Dayville: Dayville Grain and Feed Co.....	100	Satisfactory
3891	British Cod Liver Oil, Poultry, U.S.P. Non-deste- arinated, Sol-Vit-Ax.....	Wallingford: A. E. Hall.....	100	Satisfactory
3892	British Cod Liver Oil, Poultry, U.S.P. Non-deste- arinated, Sol-Vit-Ax.....	Wallingford: Laden Bros. Co., Inc.....	100	Satisfactory

Comedical Experiment

Bulletin

National Oil Products Co., Inc., Harrison, N. J.			
2261	Nopco Cod Liver Oil, Non-destearinated, (Not U.S.P. in color and odor).....	Middletown: Meech & Stoddard, Inc.	85 Satisfactory
2264	Nopco Cod Liver Oil, Non-destearinated, (Not U.S.P. in color and odor).....	East Haven: Central Conn. Farmers Co-op. Assoc.	85 Satisfactory
3894	Nopco Cod Liver Oil, Non-destearinated, (Not U.S.P. in color and odor).....	Southport: C. Buckingham & Co.	85 Satisfactory
3900	Nopco Cod Liver Oil, Non-destearinated, (Not U.S.P. in color and odor).....	Guilford: Fred C. Morse & Son.	85 Satisfactory
5054	Nopco Cod Liver Oil, Non-destearinated, (Not U.S.P. in color and odor).....	Middletown: Meech & Stoddard, Inc.	85 Satisfactory
3899	Nopco X Cod Liver Oil.....	Middletown: Meech & Stoddard, Inc.	200 Satisfactory
4131	Nopco X Cod Liver Oil.....	Brooklyn: A. D. Pierce.....	200 Passed
2263	Nopco XX Cod Liver Oil.....	East Haven: Central Conn. Farmers Co-op. Assoc.	400 Passed
2265	Nopco XX Cod Liver Oil.....	Guilford: Fred C. Morse & Son.	400 Below standard
2962	Nopco XX Cod Liver Oil.....	Long Hill: Long Hill Feed Store.....	400 Below standard
3895	Nopco XX Cod Liver Oil.....	Southport: C. Buckingham & Co.	400 Passed
5048	Nopco XX Cod Liver Oil.....	Plantsville: C. A. Cowles, Inc.	400 Passed
Sea Board Supply Co., Inc., Philadelphia, Pa.			
2651	Cod Liver Oil, Fortified, Medicinal.....	Seymour: Seymour Grain & Coal Co.	400 Passed
2725	Cod Liver Oil, Poultry Grade, Not U.S.P.	Amston: Amston Grain Co.	85 Satisfactory
3898	Cod Liver Oil, Fortified, Medicinal.....	Seymour: Seymour Grain & Coal Co.	400 Satisfactory
4127	Cod Liver Oil, Poultry Grade, Not U.S.P.	Shelton: Wolf Savitsky.....	85 Satisfactory
Silmo Chemical Corp., Vineland, N. J.			
4125	Silmo XX Cod Liver Oil.....	Watertown: Watertown Co-op. Assoc.	400 Satisfactory
E. R. Squibb & Son, Brooklyn Heights, N. Y.			
2271	Exadol Cod Liver Oil.....	Granby: E. H. Rollins & Son.	400 Satisfactory

TABLE 2. VITAMIN D CARRIERS—Concluded

No.	Manufacturer and Brand	Sampled from	Vitamin D unitage claimed	Remarks
E. R. Squibb & Son,—Cont. Brooklyn Heights, N. Y.				
2652	Exadol Cod Liver Oil.....	Torrington: Litchfield County Co-op. Assoc.	400	Satisfactory
2653	Exadol Cod Liver Oil.....	Canaan: Community Service.....	400	Satisfactory
4126	Exadol Cod Liver Oil.....	Torrington: Litchfield County Co-op. Assoc.	400	Satisfactory
Vitamol, Inc., New York, N. Y.				
2963	Vitamol XX.....	Winsted: E. Manchester & Son.....	400	Satisfactory
6038	Vitamol XX.....	No. Westchester: Westchester Grain and Oil Co.....	400	Passed
White Laboratories, Inc., Newark, N. J.				
2266	Clotrate Cod Liver Oil Fortified in vitamins A and D.....	Middletown: Coles Grain Co.....	400	Satisfactory
5051	Clotrate Cod Liver Oil Fortified in vitamins A and D.....	Middletown: Coles Grain Co.....	400	Satisfactory

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