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7-1-1957

Inspection of commercial feedingstuffs, Station Bulletin, no.443

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New Hampshire Agricultural Experiment Station

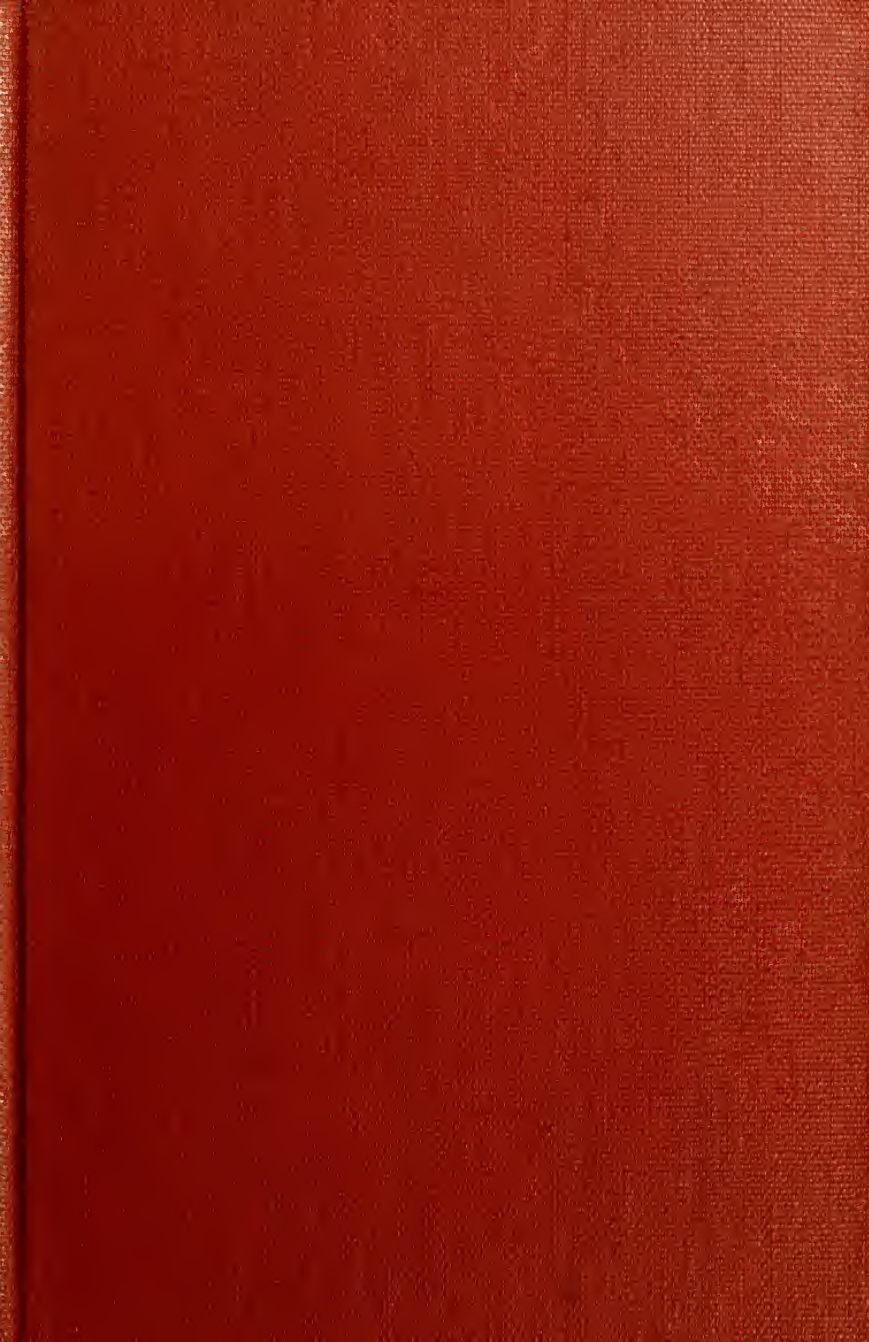
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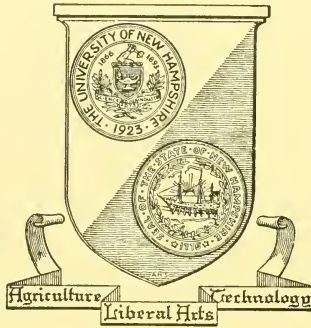
Davis, H. A.; Benjamin, Jeanne; and New Hampshire Agricultural Experiment Station, "Inspection of commercial feedingstuffs, Station Bulletin, no.443" (1957). *NHAES Bulletin*. 405.

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THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agricultural and Biological Chemistry

**INSPECTION OF COMMERCIAL
FEEDINGSTUFFS**

Made for the
State Department of Agriculture



By H. A. DAVIS and JEANNE BENJAMIN

The University of New Hampshire
Durham, N. H.

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INSPECTION OF COMMERCIAL FEEDINGSTUFFS

Made for the STATE DEPARTMENT OF AGRICULTURE

The New Hampshire Commercial Feedingstuffs Law is administered by the Commissioner of Agriculture. All inquiries concerning the law and the registration of feedingstuffs should be addressed to the attention of the Feed Control Supervisor, Department of Agriculture, State House, Concord, New Hampshire. A booklet "New Hampshire Commercial Feed Law and Rules and Regulations" is available at the above address. A copy should be obtained by each individual or firm expecting to sell feed products in New Hampshire.

In carrying out the provisions of the law during the fiscal year ending June 30, 1957, 702 official samples were collected under the direction of Honorable Perley I. Fitts, Commissioner of Agriculture. The samples were collected by the Control Supervisor, Mr. George H. Laramie, the Assistant Control Supervisor, Mr. Harold Ayer and an assistant, Mr. Daniel Graham. The samples were submitted to this laboratory for analysis. All inquiries relating to methods of analysis should be directed to this laboratory.

It is not the purpose of this bulletin to discuss the law in detail but to point out certain requirements of the law. This bulletin reports the analysis of the official samples submitted by the office of the Commissioner of Agriculture.

EXCERPTS FROM THE LAW and COMMENTS RELATING TO IT

The New Hampshire Commercial Feed Law, Chapter 226 of the Laws of the State of New Hampshire, conforms closely to the Uniform Feed Bill proposed by the Association of American Feed Control Officials. All persons concerned with the manufacture or use of feedingstuffs should become familiar with the requirements of the law.

Registration: Each brand of commercial feed offered for sale in the state must be registered with the Feed Control Supervisor. Forms are provided for that purpose by his office in Concord, New Hampshire.

The term "commercial feed" refers to "all materials which are distributed for use as feed for animals, other than man, and for wild birds kept in captivity, except (1) unmixed whole seeds, and meals made directly from the entire seeds, (2) unground hay, and (3) whole or ground straw, stover, silage, cobs and hulls when not mixed with other materials."

The feedingstuff is usually registered by the manufacturer or jobber, whether he is located within or outside the state. Feedingstuffs manufactured in other states are frequently handled by several middlemen before they reach the local distributor. Under the provisions of the

law, if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale should assure themselves that the brands they purchase are properly registered and the license fee paid, otherwise, they must assume that responsibility.

Labeling: The law requires that any commercial feed offered for sale, or sold in this state shall furnish on each package a clearly printed statement certifying:

- the number of net pounds in the package
- the name and principal address of the person guaranteeing the commercial feed
- the name or brand under which the commercial feed is sold
- the guaranteed analysis, stating:
 - the minimum percentage of crude protein
 - the minimum percentage of crude fat
 - the maximum percentage of crude fiber
- the name of each ingredient contained in the feed.

In special cases, as in mineral feeds and vitamin supplements, requirements as listed in the law must be met. In the case of bulk deliveries, a written or printed statement of the above information shall accompany delivery.

The Association of American Feed Control Officials is an organization of control officials of the various states. At annual meetings mutual problems are discussed and problems worked out so that the requirements of labeling and guarantees among the states may be as uniform as possible. The feed manufacturer attends these meetings and through sincere cooperation the feed consumer will obtain the best feed possible for his livestock. The Association publishes a booklet which is revised each year containing definitions, regulations and other information important to the dealer as well as the consumer of feedingstuffs. The use of this booklet by a manufacturer will enable him to use the correct name of the ingredients in his feed on the tag. An alert purchaser will observe that correct labeling is a mark of a reliable manufacturer. There are no conflicts between the New Hampshire Law and the Model bill recommended by this Association.

THE PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which doubtless would soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser that every brand which meets the manufacturer's guarantee is a high-grade feed. The Commercial Feed Law does not prevent the sale of a low-grade feed if it is properly licensed and tagged, and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding

value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer, in purchasing feed from the manufacturer, and the consumer in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire Commercial Feed Law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed are not plainly stated on the bag or on a tag attached thereto, the purchaser is not protected by the law. He has no recourse under the commercial feed law if the feed he purchases is of inferior quality. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuffs at his own risk.

The cost of a feedingstuffs inspection is a fraction of a cent per 100-pound bag sold. The funds for this inspection are allocated by the State for this purpose since each brand of feed sold must be registered and a registration fee paid annually by the manufacturers as provided by law.

TERMS USED IN REPORTING ANALYSIS

The terms used in reporting the chemical analysis of a feedingstuff as required by law, are briefly defined as follows: **PROTEIN** is a collective term for a considerable group of compounds, all of which contain nitrogen. Ingredients high in protein are usually more expensive than the other ingredients, therefore, protein is one of the most important nutrients determining the commercial value of a feedingstuff. The nutritional value of the proteins varies widely; therefore, a feedingstuff should contain protein from several sources to insure inclusion of all essential types. **FAT** is separated from the other components of a feedingstuff by extracting the moisture-free sample with anhydrous ether. In such ingredients as the cereals, the seed-meals, and animal products, the extract is nearly pure fat. Some ingredients such as alfalfa meal contain some other soluble material which is not fat. When sulphur is present, the "ether extract" or "fat found" is much too high, since sulphur is soluble in anhydrous ether. **CRUDE FIBER** is composed of cellulose and related compounds. Since crude fiber has little feeding value, the law requires that the maximum fiber be guaranteed rather than the minimum, as in protein and fat.

There are times when it is desirable to determine the moisture, or water, present in a feed. Any material in contact with the air will absorb or release some moisture depending upon the humidity and the kind of material. Since feeds are in contact with the air and since the moisture content varies somewhat with the moisture of the surroundings, it is the usual custom to report the analysis of a feed on the basis as it is used, rather than on a perfectly dry basis. The ash or total mineral matter content is of value at times and is obtained by burning a sample of the feed until all of the carbon is removed and only the minerals remain. The nitrogen-free extract contains the more soluble carbohydrates such as sugars and certain simple cellulose materials. The term carbohydrates includes the nitrogen-free extract plus the crude fiber. The nitrogen-free extract and carbohydrate content of a feed is deter-

mined by calculation after the analysis for certain other constituents. The usual analysis of a feed may be summarized as follows. In using the following statement, all results must be expressed in terms of per cent: 100 minus the sum of "moisture" + "ash" + "protein" + "fat" + "crude fiber" equals the "nitrogen-free extract." Total carbohydrate equals "nitrogen-free extract" + "crude fiber."

OTHER COMMENTS

The use of drugs, growth stimulants and special purpose additives in feeds continues to increase. The use of these materials in feeds is carefully controlled by the Federal Food and Drug Administration. In this way the public is assured that no animal product injurious to humans reaches the market. A recent Food and Drug Administration publication lists approximately 40 different substances that may be used in feeds for drug and antibiotic purposes. It is impossible for a small laboratory to check on all of these additives. In fact satisfactory analytical methods are not generally developed for all of them. During the past year it has been possible to make only those analyses required by law.

The use of bulk feed deliveries continues to increase. This is a way of cutting feed costs when proper facilities are available for delivery and storage of the feed.

It is not within the scope of this bulletin to make recommendations regarding the use of commercial feedingstuffs. The Department of Dairy Husbandry and the Department of Poultry Husbandry are continually studying feeding problems. The following publications which discuss feeds and feeding from one viewpoint or another are available free of charge to residents of New Hampshire. Requests should be addressed to: Mail Service, University of New Hampshire, Durham.

- Ext. Bull. 67 Turkey Production in New Hampshire.
- Ext. Bull. 114 Feeding Dairy Cattle.
- Ext. Cir. 282 Dairy Calves.
- Ext. Cir. 312 Brooding and Rearing Chickens.
- Sta. Bull. 401 Feed Standards for N. H. Broilers.
- Sta. Bull. 411 Cobalt Deficiency in N. H. Cattle, Sheep and Goats.
- Sta. Bull. 419 Effect of Texture on the Nutritive Value of Concentrates for Dairy Cattle.
- Sta. Bull. 426 Distributing and Handling Grain-Feeds in New Hampshire.
 - I. Characteristics of Milling and Distributing Firms.
- Sta. Bull. 427 Distributing and Handling Grain-Feeds in New Hampshire.
 - II. Problems in Retail Distribution.
- Sta. Bull. 431 Distributing and Handling Grain-Feeds in New Hampshire.
 - III. Improving the Efficiency of the Grain Feeding Operation on Poultry and Dairy Farms.
- Sta. Bull. 438 The Nutritive Value of Dried Citrus Pulp for Dairy Cattle.

Inquiries occasionally are made regarding a method of calculating the protein, fat, or fiber content of a home-mixed feed. There are tables available, such as those in Morrison's book "Feeds and Feeding," which give the average chemical analysis of feed concentrates, roughage and silages. It should be pointed out that the chemical analysis of a particular lot of an ingredient may be somewhat above or below the average figure shown in the table. This fact must be taken into consideration in fixing guarantees. The following example shows how the protein content of a feed mixture may be calculated:

Ingredients	pounds used	×	per cent protein in ingredient	=	lbs. protein furnished by ingredient
Ground Oats	200		12.0		24
Ground Corn	400		8.0		32
Gluten Feed	300		25.0		75
Wheat Bran	400		15.0		60
Linseed Oil Meal	100		34.0		34
Salt	10		.....		....
Total Mix	1410 lbs.		contains		225 lbs. protein

The mixture contains $\frac{225}{1410} \times 100 = 15.95\%$ Protein.

The percentage of fat or fiber may be calculated in a like manner by substituting the fat or fiber figures for those of the protein.

CONFORMITY TO GUARANTEES

The chemical analyses reported in this bulletin were made by methods approved by the Association of Official Agricultural Chemists.

A total of 702 official samples were submitted for analysis. Seventy brands were sampled two or more times. Table I shows the percentage of samples analyzed each year since 1926 that did not conform to guarantee. Table II lists the analyses of official samples of feed ingredients and mixed feeds. Table III lists the analyses of official samples of dry and canned cat and/or dog foods. Of 639 ingredients and mixed feed samples, 3% were 0.5% or less deficient in protein and 4.1% were deficient over 0.5% in protein; 1.1% were deficient 0.25% in fat and 3.8% were deficient more than 0.25% in fat; 4.1% exceeded the guarantee in crude fiber. Of 63 cat and, or, dog foods 9.5% were 0.5% or less deficient in protein, 12.7% were deficient more than 0.5% in protein. Only 0.3% showed deficiencies in fat and none contained excessive crude fiber. Percentage figures based on the total number of samples are shown in Table I.

Bold face type and underline of the figure is used to indicate a deficiency of more than 0.5 per cent below guarantee in protein, of more than 0.25 per cent below guarantee in fat and an excess of more than 1.00 per cent above the guarantee in crude fiber.

Seventy-four samples of mixed feed or ingredients were not registered at the time of sampling.

Twenty samples of cat and/or dog foods were not registered at time of sampling. They are so indented in Table II and III.

Sixty-seven samples were drawn from "bulk" delivery lots. Sixty-one samples were drawn at the farm. These samples are so identified in Table II.

The inspection shows that good feed, usually up to guarantee, is being supplied New Hampshire farmers. The percentage of deficiencies is small but of course we would like to find all samples up to guarantee. Methods and control of mixing are constantly being studied and improved in order that the consumer may be more successful in using feed-stuffs for the production of better livestock products.

PERCENTAGE OF SAMPLES ANALYZED IN YEARS

TABLE I 1926-1957 NOT CONFORMING TO GUARANTEES

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber
	Less than 0.5 per cent	0.5 per cent or more	Less than 0.25 per cent	0.25 per cent or more	
1926	8.0	16.0	4.0	10.0	6.0
1927	8.3	16.4	5.8	13.6	5.9
1928	9.1	20.7	4.3	9.3	7.9
1929	9.5	20.2	2.8	9.3	6.5
1930	4.8	13.1	4.0	8.0	3.9
1931	1.8	7.2	5.9	9.7	5.3
1932	1.8	1.4	5.0	8.1	2.8
1933	1.3	3.6	7.5	9.8	3.6
1934	3.0	3.4	3.9	7.1	9.8
1935	2.4	3.0	4.2	8.5	9.9
1936	2.9	5.2	5.5	8.3	12.2
1937	2.8	4.2	3.0	6.0	11.0
1938	2.9	8.1	9.8	10.8	11.5
1939	1.9	3.3	6.8	9.3	8.7
1940	2.9	4.0	6.2	6.7	7.5
1941	1.1	2.6	4.7	6.7	5.6
1942	2.6	3.5	3.7	4.5	7.4
1943	3.7	2.7	7.7	8.6	7.4
1944	8.2	9.0	10.7	19.7	6.9
1945	2.1	6.1	2.9	7.5	7.1
1946	8.6	17.5	2.3	8.9	14.6
1947	4.1	10.2	1.7	4.0	24.7
1948	3.6	3.8	2.3	3.5	13.6
1949	3.5	5.8	2.7	2.8	7.2
1950	4.9	7.3	4.9	5.1	3.2
1951	4.4	7.5	2.7	4.9	4.0
1952	4.3	8.4	3.0	5.8	4.3
1953	4.3	12.7	3.4	6.8	4.4
1954	2.7	6.1	1.7	3.5	3.8
1955	2.8	7.5	2.4	4.5	5.9
1956	3.9	3.9	2.4	6.1	4.0
1957	3.6	4.8	1.2	3.7	3.7

REQUESTS BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

In addition to the official samples of feedingstuffs submitted by the Feed Control Supervisors, the Agricultural Experiment Station each year analyzes some samples drawn by individuals to aid in solving a particular problem. Chemical analysis can aid in certain cases but it should not be expected to answer all questions. A close study of management practices will often answer many problems when the first thing to do seems to be to blame the feed for difficulties in growth or production of livestock. It is suggested that in the case of a difficulty involving feeding that you call in your County Agent, your veterinarian, or the fieldman of your feed supplier to consider your problem. They will then obtain the facts in the case and will determine whether an analysis of the feed will be of help or not.

If a feed sample is mailed or brought to the laboratory, it is essential that the sample drawn, about one pint, put in a clean, tight container, adequately represents the large lot from which it is drawn and that full information concerning the case accompany the sample. If this is not done, it must be supplied before analysis can be made. Because of the cost of laboratory work and materials, the necessity for an analysis is decided upon the basis of information submitted and an opinion obtained as to whether or not an analysis is necessary in the particular case involved. Since this is a state experiment station, this service is available only to residents of the state and no charge is made for occasional work. Many questions that are raised may be satisfactorily answered by correspondence without laboratory work.

Twenty-four samples of feed, hay or silage were examined for residents of the state because of some special problem involving the particular case during the fiscal year.

TABLE II — MIXED FEEDS AND INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Allied Mills, Inc. Chicago, Ill.							
Chlortetracycline - Oxytetracycline-Nicarbazine Mixture in Wayne H-A-D Krums	Manchester	20.00	21.5	3.00	3.2	4.00	3.2
Nicarbazine Mixture in Wayne Universal Grower	Manchester	16.00	17.4	2.50	4.1	4.50	4.3
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazine Mixture in Wayne Chick Starter	Manchester	20.00	20.4	3.00	3.8	5.50	4.9
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazine Mixture in Wayne Rocket Broiler Finisher	Manchester	19.00	20.6	5.00	4.9	2.50	2.5
3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazine Mixture in Wayne Rocket Broiler Starter	Keene	23.00	23.6	5.00	<u>4.7</u>	2.50	2.3
4-Nitrophenylarsonic Acid Mixture in Wayne Turkey Grower	Manchester	22.00	21.6	2.50	3.1	7.00	5.7
4-Nitrophenylarsonic Acid Mixture in Wayne Universal Turkey Grower	Manchester	18.00	19.7	2.50	3.7	6.00	5.5
Pure Corn and Oats Chop	W. Lebanon	9.00	11.1	3.50	4.2	10.00	7.3
Sugarine 16% Dairy	Keene	16.00	19.0	2.50	2.9	11.00	10.4
Sugarine 16% Dairy "E"	W. Lebanon	16.00	17.8	4.00	4.9	11.00	10.1
Wayne 16% Dairy	W. Lebanon	16.00	18.3	3.00	3.5	9.00	8.1
Wayne 20% Dairy	W. Lebanon	20.00	20.1	3.00	<u>2.5</u>	9.00	7.9
Wayne Egg Mash	W. Lebanon	22.00	22.0	4.00	4.1	4.50	4.5
Wayne Egg Mash	W. Lebanon	22.00	<u>21.0</u>	4.00	4.4	4.50	4.5
Wayne Fitting Ration	W. Lebanon	13.00	<u>13.9</u>	3.00	3.9	8.50	7.2
+ Wayne Game Bird Grower	W. Lebanon	22.00	22.1	2.50	4.0	7.00	5.6
Wayne Pigeon Feed	Manchester	12.00	13.8	2.00	2.4	5.00	2.6
Wayne Pork Maker	Manchester	14.00	15.4	3.00	4.1	8.00	6.3
Wayne Tail Curler	Manchester	18.00	18.7	3.00	4.0	5.00	3.6
Wayne Test Cow Ration	Keene	16.00	17.3	4.00	4.0	9.00	7.9
Wayne Turkey Grower	Manchester	22.00	22.2	2.50	3.4	7.00	5.7
Wayne Universal Breeder	W. Lebanon	18.00	18.1	4.00	5.0	4.00	4.0
Wayne Universal Dairy Feed	Keene	14.00	16.6	3.00	3.8	9.00	9.3
Wayne Universal Egg (An All Mash Feed)	Keene	18.00	18.4	4.00	4.5	4.00	4.3
Wayne Universal Grower	Manchester	16.00	17.8	2.50	4.0	4.50	4.0
Wayne Universal Turkey Grower	W. Lebanon	18.00	19.4	2.50	3.7	6.00	4.8
Wayne Universal Turkey Grower	W. Lebanon	18.00	19.6	2.50	3.7	6.00	4.5

American Maize Product Co.**New York, N. Y.**

+ Amaizo Corn Gluten Meal, Manchester 41.00 42.8 1.00 2.0 6.00 3.9

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

Archer Daniels 36% Linseed Oil Meal Solvent Extracted, Keene 36.00 37.2 0.50 0.9 10.00 7.9

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs						
			Protein		Fat		Crude Fiber		
			Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found	
The Ark Valley Alfalfa Mill, Inc. Hutchinson, Kansas									
+ Ark Valley Fine Ground Dehydrated Alfalfa Meal			Manchester	17.00	18.6	1.50	2.8	27.00	24.7
Auburn Dehydrating Mills, Inc. Auburn, Ill.									
+ Prairie Gold Suncured Alfalfa Meal			N. Haverhill	13.00	14.9	1.50	2.0	33.00	28.7
B & W Canning Co., Inc. Groveland, Fla.									
B'n W Brand Dried Citrus Pulp			Woodsville	6.00	5.5	3.00	3.6	13.00	10.0
E. W. Bailey & Co., Inc. Montpelier, Vt.									
Bailey's Calf Ration			Colebrook	15.00	15.1	3.00	3.0	7.00	5.2
Bailey's Complete Egg Ration ..			Colebrook	16.00	19.2	3.50	4.6	7.00	6.2
Bailey's 16% Dairy Ration			Colebrook	16.00	18.0	3.00	3.5	10.00	9.1
Bailey's 18% Dairy Ration			Colebrook	18.00	18.9	3.00	3.5	9.00	6.3
Bailey's 20% Dairy Ration			N. Haverhill	20.00	24.3	3.00	3.0	9.00	6.4
Bailey's Fitting Ration			Colebrook	14.00	14.5	3.00	3.8	11.00	9.4
(F) Bailey's Fitting Ration			Woodsville	14.00	14.7	3.00	3.3	11.00	8.3
(F) Bailey's Fitting Ration			Warner	14.00	14.9	3.00	3.6	11.00	7.8
Bailey's Lay Mix			Colebrook	16.00	16.0	4.00	5.1	4.50	3.9
Bailey's Mo-Bulk			N. Haverhill	10.50	12.9	1.00	2.1	17.00	13.4
Bailey's Oxytetracycline Mix in Super-Ettes			N. Haverhill	20.00	23.4	3.50	5.2	4.50	3.7
Bailey's 12% Pasture Ration			Colebrook	12.00	12.3	3.00	4.2	10.00	9.2
Bailey's Pig Grower			Colebrook	15.00	15.6	3.50	4.6	6.50	<u>8.0</u>
Bailey's Scratch Feed			N. Haverhill	9.00	10.3	2.00	3.4	4.00	<u>3.0</u>
Bailey's Special 16% Dairy Ration			Colebrook	16.00	19.6	3.00	3.8	10.00	8.7
+ Bailey's 16% Test Ration			Colebrook	16.00	16.5	3.00	3.5	9.00	8.3
Bailey's Yankee 16 Dairy			N. Haverhill	16.00	18.2	3.00	4.0	15.00	9.5
(F) Yankee 18 Dairy			Warner	18.00	19.3	3.00	4.0	15.00	8.5
Beacon Milling Co. Cayuga, N. Y.									
Auburn "16"			Dover	16.00	16.2	3.00	3.6	10.00	7.4
+ Be-Co-Nurse Milk Replacer			Dover	24.00	24.0	10.00	10.1	0.25	0.1
Beacon "20"			Dover	20.00	21.0	3.25	3.3	9.00	7.4
Beacon Breeder All-Mash			Dover	17.00	17.8	4.75	5.3	4.75	3.5
Beacon C-C Pellets			Dover	15.00	16.6	4.50	10.8	5.00	4.3
Beacon Chlortetracycline Mix ..			Dover	20.00	21.0	4.00	5.0	5.75	4.4
Beacon Chlortetracycline Mix (Pellets)			Dover	20.00	20.8	4.00	5.3	5.75	4.4
Beacon Complete Rabbit Pellets			Dover	17.00	17.7	3.50	4.7	13.00	10.4
Beacon Dairy Fitting			Dover	14.00	15.0	3.25	3.5	9.00	9.0
Beacon "22" Egg Mash			Dover	22.00	22.2	4.75	5.3	5.50	4.3
Beacon Grower All-Mash			Dover	16.00	16.5	4.50	4.9	6.00	4.6
Beacon "18" Growing Mash			Dover	18.00	19.1	4.50	5.4	6.00	4.6

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

(F) Sampled at a Farm.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Beacon Milling Co. (Continued)							
Beacon Market Egg All-Mash (Pellets)	Dover	17.00	17.6	4.75	5.4	4.75	3.3
Beacon Nicarbazin - Arsanilic Acid Mix in Beacon Broiler Finisher	Dover	18.00	20.0	4.50	5.0	4.50	2.8
Beacon Nicarbazin - Arsanilic Acid Mix in Beacon Starter-Broiler	Dover	23.00	23.9	5.00	5.8	4.50	2.7
Beacon Nicarbazin Mix in Beacon Complete Starter	Dover	22.00	23.2	4.00	5.1	5.50	3.4
Beacon "15" with Pellets	Goffstown	15.00	15.3	4.00	4.2	9.00	6.6
Beacon Poultry Fitting	Dover	11.00	11.7	2.50	3.2	7.50	4.2
Beacon Sodium Propionate Mixture in Beacon Dairy Fitting Ration	Goffstown	14.00	15.0	3.00	3.2	9.00	7.8
Beacon "14" Test Cow Ration ..	Dover	14.00	15.8	4.00	4.2	9.00	7.6
Beacon "18" Test Cow Ration ..	Dover	18.00	19.4	4.00	4.0	9.00	7.6
Beacon Turkey Finisher All-Mash	Nashua	18.00	19.4	4.00	4.0	5.50	3.6
(F) Beacon Turkey and Game Bird Fitting	Grasmere	10.00	10.1	3.00	2.8	9.00	5.0
(F) Beacon Turkey and Game Bird Fitting	Grasmere	10.00	10.2	3.00	3.2	9.00	4.9
(F) Beacon Turkey and Game Bird Grower (Pellets)	Grasmere	24.00	24.2	3.50	3.9	5.75	3.7
Brown Forman Distillers Corp.							
Louisville, Kentucky							
BF Corn Distillers Solubles	Manchester	24.00	28.5	8.00	8.7	4.00	4.6
The Buckeye Cotton Oil Division of Buckeye Cellulose Corp.							
Cincinnati, Ohio							
+Buckeye 44% Protein Solvent Extracted Soybean Oil Meal ..	Suncook	44.00	46.2	0.50	1.9	7.00	5.3
Buckeye Sugars, Inc.							
Ottawa, Ontario, Canada							
+Dried Beet Pulp	Farmington	7.00	8.3	0.30	0.4	22.50	19.4
Calvert Milling Co.							
Hoytville, Ohio							
+15% Dehydrated Alfalfa Meal ..	Colebrook	15.00	<u>14.2</u>	1.50	4.3	30.00	29.7
Canada & Dominion Sugar Co., Ltd.							
Chatham, Ontario, Canada							
+Dominion Dried Beet Pulp	Concord	7.00	8.2	0.30	0.4	22.50	19.8
A. B. Caple Co.							
Toledo, Ohio							
+Alfalfa Meal	Bow Mill	13.00	<u>11.2</u>	1.00	1.0	33.00	<u>37.6</u>

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

(F) Sampled at a Farm.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Central Soya Co., Inc. Ft. Wayne, Ind.							
Central Star Brand Solvent Ex-tracted Soybean Oil Meal	Manchester	44.00	44.9	0.50	0.5	7.00	5.0
S. J. Cherry & Sons, Ltd. Preston, Ontario, Canada							
+ Wheat Bran	Potter Place	14.00	15.2	3.50	4.2	11.50	10.5
+ Wheat Shorts	Potter Place	13.00	16.7	5.00	5.5	8.00	7.1
Clinton Foods, Inc. Clinton, Iowa							
Clinton 21% Protein Corn Glu-ten Feed	Colebrook	21.00	<u>19.5</u>	1.00	1.6	10.00	8.2
Commercial Solvents Corp. Animal Nutrition Dept. 260 Madison Ave., N. Y., N. Y.							
+ C. S. C. By-100 Dried Grain & Cane Syrup Fermentation Solubles (Butyl)	Bow Mill	25.00	26.4	1.00	3.3	10.00	3.3
Consolidated Products Co. Danville, Ill.							
+ "Consolidated's" Spray Dried Whole Whey	Keene	12.00	13.3	0.50	0.6	....	....
Consolidated Rendering Co. 118 Atlantic Ave., Boston, Mass.							
**Corenco 46% Meat and Bone Scrap	Manchester	46.00	<u>45.3</u>	6.00	9.5	....	....
Corenco 46% Meat and Bone Scrap	Keene	46.00	<u>45.4</u>	6.00	8.7	2.00	1.9
**Corenco 46% Meat and Bone Scrap	Manchester	46.00	<u>45.3</u>	6.00	9.6	2.00	1.8
Corenco 46% Meat and Bone Scrap	Bow Mill	46.00	46.3	6.00	8.3	2.00	1.6
Corenco 47% Meat and Bone Scrap	Claremont	47.00	<u>44.8</u>	6.00	8.1	2.00	1.5
Corenco 47% Meat and Bone Scrap	Potter Place	47.00	47.2	6.00	7.5	2.00	1.3
+ Corenco Poultry By-Product Meal	Manchester	56.00	<u>55.1</u>	6.00	11.3	2.00	1.6
Corenco Poultry By-Product Meal	Manchester	56.00	57.3	6.00	10.2	2.00	1.6
Corn Products Refining Co., Inc. New York, N. Y.							
Buffalo Corn Gluten Feed	Potter Place	21.00	23.1	1.00	1.6	10.00	8.7
Diamond Corn Gluten Meal	Bow Mill	41.00	46.6	1.00	2.2	6.00	4.7

* Protein and fat not less than, crude fiber not more than.

** Sampled from Bulk Shipments.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Chas. M. Cox Co.								
Boston, Mass.								
**Big W. 16% Dairy Feed		Brentwood	16.00	17.2	3.00	3.3	14.00	12.2
Chlortetracycline-Furazolidone - Nicarbazine Mixture in Wirth- more Broiler Perk		Meredith	20.00	21.4	4.50	5.7	4.00	3.1
Chlortetracycline Mixture in Wirthmore Quickies		Meredith	20.00	22.4	3.50	5.8	4.50	3.8
Dienestrol Diacetate (Lipa- mone) Nicarbazin - Sodium Arsanilate Mixture in Wirth- more Broiler Finisher		Greenville	18.00	18.5	5.50	5.3	4.00	4.0
Furazolidone (NF-180) Mixture in Wirthmore Turk-E-Treat ..		Dover	23.00	23.0	3.50	4.8	6.00	5.8
Nicarbazin Mixture in Wirth- more Fattening Pellets		Tilton	17.50	18.1	4.00	5.0	4.50	4.1
Nicarbazin Mixture in Wirth- more Improved Hi-Ener-G Starter & Broiler Ration		Meredith	20.00	21.5	4.50	5.6	4.00	2.9
Nicarbazin - Sodium Arsanilate Mixture in Wirthmore Im- proved Hi-Ener-G Starter and Broiler Ration		Nashua	20.00	20.2	4.50	5.9	4.00	2.5
4-Nitrophenylarsonic Acid (His- tostat) Mixture in Wirthmore Complete Turkey Fattening Ration		Nashua	16.00	20.1	4.00	4.5	5.00	4.6
Sulfaquinoxaline Mixture in Wirthmore Complete Chick Starter		Nashua	20.00	21.4	3.50	4.5	5.00	3.9
Sulfaquinoxaline Mixture in Wirthmore Hi-Ener-G 16		Hillsboro	16.00	16.9	3.50	4.7	4.50	4.0
Sulfaquinoxaline Mixture in Wirthmore Turkey Starter Ration		Meredith	28.00	28.4	4.00	4.8	5.50	4.6
Wirthmore Breeder Mash		Nashua	20.00	22.5	3.50	5.7	5.50	4.1
** Wirthmore Calving Ration		Amherst	14.00	15.6	3.50	3.9	10.00	6.5
Wirthmore Challenger Coarse 16 Dairy Ration		Conway	16.00	18.3	3.25	3.3	10.00	9.4
Wirthmore Chick Starter 400 Medicated		Hillsboro	20.00	20.7	4.00	4.4	5.00	4.4
Wirthmore Coarse Test Rairy Ration		Nashua	16.00	19.2	4.00	4.6	9.00	6.6
Wirthmore Complete Breeder Ration		Nashua	15.00	17.8	3.50	5.0	6.00	4.6
Wirthmore Complete Egg Ration		Conway	15.00	16.6	3.50	4.8	6.00	4.8
Wirthmore Complete Growing Ration		Lancaster	15.00	15.5	3.50	4.4	6.00	5.1
Wirthmore Complete Turkey Fattening Ration		Plymouth	16.00	18.2	4.00	4.9	5.00	4.8
Wirthmore Complete Turkey Growing Ration		Nashua	18.00	18.2	4.00	4.4	5.50	4.4

* Protein and fat not less than, crude fiber not more than.

** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Chas. M. Cox Co. (Continued)							
(F)** Wirthmore 16 Dairy Feed	Contoocook	16.00	18.3	3.50	3.9	9.00	8.1
Wirthmore 14 Dairy Fitting Ration	Hillsboro	14.00	16.1	3.50	4.1	8.50	7.0
(F) Wirthmore 14 Dairy Fitting Ration	Stewartstown	14.00	16.5	3.50	3.8	8.50	7.6
Wirthmore 14 Dairy Fitting Ration	Plymouth	14.00	16.5	3.50	3.8	8.50	6.6
Wirthmore 16 Dairy Ration	Lancaster	16.00	19.0	3.50	4.0	9.00	8.8
(F) Wirthmore 16 Dairy Record Feed	Dover	16.00	19.4	3.50	3.9	8.50	7.6
** Wirthmore 16 Dairy Record Ration	Milford	16.00	18.3	3.50	3.7	8.50	7.8
Wirthmore 16 Dairy Record Ration	Plymouth	16.00	18.8	3.50	3.9	8.50	7.7
Wirthmore 18 Dairy Record Feed	Potter Place	18.00	18.3	3.50	3.7	8.50	7.9
Wirthmore Fodder Greens	Potter Place	9.00	9.2	2.00	2.0	18.00	17.7
Wirthmore Green Mountain 14 ..	Concord	14.00	17.5	3.25	3.4	10.00	8.4
Wirthmore Green Mountain 16 ..	Conway	16.00	16.9	3.25	3.4	10.00	9.4
Wirthmore Green Mountain 20 ..	Conway	20.00	22.0	3.25	3.1	10.00	8.8
Wirthmore Gro & Egg	Plymouth	20.00	21.0	3.50	4.6	5.50	4.3
** Wirthmore Hi-Ener-G 16	Laconia	16.00	16.6	3.50	4.1	4.50	3.6
** Wirthmore Hi-Ener-G 16	Pembroke	16.00	16.6	3.50	4.2	4.50	3.4
Wirthmore Hi-Ener-G Breeder ..	Plymouth	16.00	17.8	3.50	4.4	4.50	3.7
** Wirthmore Hi-Energy Breeder ..	Concord	16.00	17.5	3.50	4.4	4.50	3.4
Wirthmore Hog Grower	Hillsboro	15.00	16.9	4.00	4.0	6.00	5.5
Wirthmore Horse Feed	Hillsboro	10.00	10.6	3.25	4.0	9.00	7.3
Wirthmore Improved Hi-Ener-G Broiler Ration 404-medicated	Dover	22.00	22.2	5.50	6.0	3.50	2.9
Wirthmore Meatless Mink	Dover	13.00	13.6	3.00	6.5	6.00	4.2
Wirthmore Medicated Broiler Perk 406	Dover	22.00	22.4	5.50	6.4	4.00	3.4
Wirthmore Pig and Sow Feed	Plymouth	17.00	18.7	3.50	4.7	8.00	5.8
Wirthmore Production Scratch ..	Lancaster	9.50	9.9	2.50	3.2	4.00	3.8
Wirthmore Rabbit Pellets	Hillsboro	17.00	18.8	3.00	4.2	12.00	11.0
** Wirthmore 16 Record Ration	Amherst	16.00	18.9	3.50	4.0	8.50	7.7
Wirthmore Sheep and Goat Ration	Plymouth	16.00	18.2	3.50	3.7	9.00	8.3
Wirthmore Stock Feed	Plymouth	10.00	10.2	3.00	3.8	11.00	10.1
Wirthmore Turkey Growing Ration	Meredith	23.00	23.5	3.50	4.4	6.00	5.3
Wirthmore Twin Mix Calf Ration	Hillsboro	18.00	21.1	3.00	4.3	8.00	6.5
Dawe's Laboratory, Inc.							
Chicago, Ill.							
+Dawe's Fermentation Supplement	Manchester	27.00	29.4	5.00	5.6	14.00	11.0

* Protein and fat not less than, crude fiber not more than.

** Sampled at a Farm.

+ Sampled from Bulk Shipments.

Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Delaware Mills, Inc.								
Deposit, N. Y.								
Delaware	Chlortetracycline Mix- ture in Delamycin	Milford	20.00	20.5	3.00	4.2	5.50	5.0
Delaware	Complete Layer	Farmington	15.00	16.5	3.00	4.7	6.50	5.6
Delaware	Complete Starter and Grower	Milford	17.00	18.1	3.00	5.4	6.50	5.3
Delaware	Egg Mash	Farmington	20.00	21.3	3.00	4.9	6.00	6.7
Delaware	Fitting Ration	Milford	14.00	13.8	3.00	3.2	11.00	8.5
Delaware	H-E Breeder	Milford	16.50	17.5	3.00	6.8	4.50	4.4
Delaware	H-E Layer	Milford	16.50	17.0	3.00	5.3	4.50	4.8
Delaware	Horse Feed	Farmington	9.00	11.4	2.50	3.7	10.00	6.8
+	Delaware Nicarbazin and Arsan- ilic Acid Mix in Delaware H-E Broiler	Milford	22.00	22.8	4.00	5.7	4.00	3.7
Delaware	Nicarbazin Mixture in Delaware Chick Starter	Farmington	20.00	20.6	3.00	4.4	5.50	4.8
Delaware	Nicarbazin Mixture in Delaware Complete Starter and Grower	Milford	17.00	17.8	3.00	5.2	6.50	5.9
Delaware	Nicarbazin Mixture in Delaware Complete Starter and Grower	Milford	17.00	17.4	3.00	5.4	6.50	5.3
Delaware	Scratch Grains	Farmington	9.00	9.0	2.00	2.6	5.00	2.8
+	Delaware Sweet 16% Dairy Feed	Milford	16.00	17.3	3.50	3.9	11.00	7.9
Delaware	Sweet 16% Dairy Feed	Farmington	16.00	16.0	3.50	5.0	11.00	8.9
+	Delaware Sweet 20% Dairy Feed	Farmington	20.00	20.1	3.00	3.9	10.00	8.2
Delaware	18% Test Ration	Farmington	18.00	18.0	3.50	4.2	10.00	9.0
+	Indian Sweet 16% Dairy Feed ..	Farmington	16.00	16.9	3.00	3.6	15.00	8.9
Indian	Sweet 16% Dairy Feed ..	Farmington	16.00	16.3	3.00	3.4	15.00	9.4
Nicarbazin	Mixture in Dela- ware Broiler Finisher	Milford	18.00	19.8	3.00	4.8	5.00	3.1
Delphos Grain & Soya Products Co.								
Delphos, Ohio								
44% Protein Soybean Oil Meal (Solvent Extracted)	Potter Place	44.00	45.9	0.50	0.6	7.00	5.8	
Dietrich & Gambrill, Inc.								
Frederick, Md.								
Gambrill's Growing Mash (Pel- lets)	Laconia	19.00	19.8	3.00	5.6	5.50	4.8	
Gambrill's Laying Mash	Laconia	20.00	21.6	4.00	5.5	5.50	5.7	
Gambrill's Laying Mash (Pel- lets)	Laconia	20.00	20.2	3.00	5.8	5.50	4.9	
D. & G. Utility Scratch Feed ...	Laconia	9.00	11.3	2.50	2.9	5.00	3.2	
Distillers Corp., Ltd.								
Montreal, Canada								
+Distilco Corn Distillers' Dried Grains 25%	Bow Mill	25.00	26.7	8.00	10.4	12.00	8.5	

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Domestic Concentrates, Inc.								
New York, N. Y.								
	+Dried Beet Pulp	W. Lebanon	7.00	8.8	0.30	0.8	22.50	20.6
Dominion Malting, Ltd.								
Toronto, Ontario, Canada								
	+Dried Brewers Grains	Keene	22.00	22.0	6.00	7.2	20.00	14.7
Doughboy Industries, Inc.								
New Richmond, Wisconsin								
	Pulverized White Oats (Pellets)	Keene	10.00	10.7	2.50	3.9	15.00	14.2
Dougherty Feed Co., Inc.								
Louisville, Ohio								
	Palmo Midds	Bow Mill	15.00	15.2	8.00	<u>6.5</u>	8.00	8.7
	+Palmo Midds	Bow Mill	15.00	16.5	8.00	<u>7.3</u>	8.00	8.7
Dow Brewery, Ltd.								
355 Calborne St., Montreal, Que.								
	+Dried Brewers Grains	Claremont	22.00	<u>17.5</u>	7.00	7.1	15.00	<u>16.3</u>
	+Dried Brewers Grains	Claremont	22.00	<u>17.8</u>	7.00	7.0	15.00	<u>16.3</u>
Eastern States Farmers Exchange, Inc.								
W. Springfield, Mass.								
	Cashmaker Medicated	Concord	16.00	17.5	5.00	5.9	4.00	3.5
	Eastern States All Mash							
	Breeder	Woodsville	16.00	17.8	4.00	5.6	4.00	3.4
(F)	Eastern States Arsanilic Acid							
	Mixture in Eastern States							
	Cashmaker	Manchester	16.00	17.2	5.00	6.1	4.00	3.4
	Eastern States Arsanilic Acid							
	Mixture in Eastern States							
	Cashmaker	Woodsville	16.00	18.1	5.00	5.2	4.00	3.2
	Eastern States Arsanilic Acid							
	Mixture Inc. in Eastern States							
	Cashmaker	Manchester	16.00	17.2	5.00	5.0	4.00	3.5
	Eastern States Arsanilic Acid							
	Mixture in Eastern States							
	Matchmaker	Manchester	22.00	22.0	4.50	5.1	5.00	4.4
	Eastern States Arsanilic Acid							
	Mixture in Eastern States							
	Pig Primer	Woodsville	16.00	17.5	3.00	4.1	5.50	4.6
	Eastern States Arsanilic Acid							
	Mixture Inc. in E. S. Pig							
	Primer	Concord	16.00	16.6	3.00	4.0	5.50	4.6
(F)	Eastern States Calf Starter	Laconia	20.00	23.2	3.00	3.0	6.00	5.5
	Eastern States Champion	Durham	14.00	14.7	2.50	2.6	7.00	5.8
	Eastern States Chlortetracycline							
	Mixture in Eastern States							
	Sentinel	Woodsville	20.00	20.8	4.00	5.1	4.00	3.7
	Eastern States Class Leader	Woodsville	14.00	15.4	3.50	4.2	9.00	7.6

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

(F) Sampled at a Farm.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Eastern States Farmers Exchange (Continued)								
(F) Eastern States Class Leader	Woodsville	14.00	15.4	3.50	4.1	9.00	7.2
Eastern States Darimore	Woodsville	16.00	18.0	2.00	3.6	12.00	10.5
Eastern States Fulpail	Woodsville	20.00	21.5	3.00	3.4	9.00	8.0
+ Eastern States Furazolidone Mix Inc. in E. S. Defender (Pellets)	Dover	20.00	20.8	4.00	4.6	4.50	4.0
+ Eastern States Goalmaker (Pellets)	Dover	16.00	18.9	4.00	5.5	4.00	3.2
Eastern States Milkmore	Woodsville	16.00	17.8	3.50	4.4	9.00	8.0
(F) Eastern States Milkmore	Dover	16.00	17.7	3.50	4.2	9.00	7.0
(F) Eastern States Milksaver	Laconia	24.00	26.4	1.00	1.5	1.50	0.8
Eastern States Nicarbazin and Arsanilic Acid Mixture in Eastern States Pacemaker	Manchester	20.00	20.6	5.00	5.9	4.50	3.6
Eastern States Nicarbazin Mixture in Eastern States Finisher	Manchester	16.50	18.7	5.00	5.5	4.00	3.4
Eastern States Rabbettes	Manchester	18.00	19.4	2.00	3.5	16.00	10.7
Eastern States Sweepstakes	Woodsville	16.00	17.1	3.00	3.3	8.00	6.2
Matchmaker Medicated	Concord	22.00	22.7	4.50	5.4	5.00	4.3
Pork Builder	Concord	14.00	14.0	3.00	3.7	4.00	3.0
B. A. Eckhart Milling Co. Chicago, Ill.								
Ecko Pure Wheat Bran	Lebanon	14.00	16.1	3.50	4.3	12.00	9.5
Elm City Grain Co. Keene, N. H.								
Elm Tree All Mash Layer	Keene	16.00	16.6	3.50	3.6	7.00	5.8
Elm Tree Chick Starter	Keene	20.00	20.7	4.00	4.1	4.50	4.4
Elm Tree Dairy Feed	Keene	18.00	19.0	3.00	3.4	10.00	8.4
Elm Tree 14% Fitting Ration	..	Keene	14.00	15.3	3.00	3.5	10.00	8.8
Elm Tree Hi-Eff Breeder	Keene	16.00	16.0	3.50	4.6	5.00	5.0
Elm Tree Hi-Eff Grower	Keene	15.00	16.4	3.50	4.3	5.50	4.8
Elm Tree Hi-Eff Layer	Keene	15.00	16.5	3.50	4.4	5.50	5.1
Elm Tree Hi-Lo Starter & Broiler	Keene	20.00	20.0	3.50	4.0	4.50	4.8
Elm Tree Laying Mash	Keene	20.00	22.4	3.50	3.9	7.50	6.1
(F)** Elm Tree Markitop 16% Dairy	Dublin	16.00	16.3	2.50	2.8	8.50	8.8
** Elm Tree Markitop 16% Dairy	..	Marlboro	16.00	<u>15.4</u>	2.50	2.7	8.50	<u>10.4</u>
Elm Tree Markitop 14% Dairy Feed	Keene	14.00	14.0	3.00	3.1	8.00	8.4
Elm Tree Markitop 16% Dairy Feed	Keene	16.00	17.6	2.50	3.0	8.50	9.0
Elm Tree Markitop 20% Dairy Feed	Keene	20.00	21.8	3.00	2.8	8.50	6.5
Elm Tree Pig & Hog Feed	Keene	14.00	16.6	3.50	3.5	8.00	5.3
Elm Tree Pig & Hog Feed	Keene	14.00	16.0	3.50	3.6	8.00	5.4
Elm Tree Provender	Keene	10.00	11.6	3.50	4.4	8.00	7.1

* Protein and fat not less than, crude fiber not more than.

(F) Sampled at a Farm.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Elmore Milling Co., Inc.							
Oneonta, N. Y.							
Elmore Breeder Mash	Derry	20.00	20.1	3.00	4.2	6.00	4.4
Elmore Breeder Mash	Derry	20.00	22.3	3.50	4.0	6.00	4.9
Elmore Complete Breeder Ration	Derry	16.00	16.8	3.00	3.9	5.00	4.1
Elmore Complete Breeder Ration	Derry	16.00	16.7	3.00	5.0	5.00	4.0
Elmore Growing Mash	Derry	18.00	<u>17.2</u>	2.50	3.8	6.00	6.0
Elmore Pacemaker Fitting Ration 14%	Derry	14.00	14.8	3.00	3.2	9.00	9.0
John W. Eshelman & Sons							
Lancaster, Pa.							
Eshelman Red Rose 16 Dairy Feed	Keene	16.00	17.6	3.50	3.6	9.50	8.2
Eshelman Red Rose Fitting Ration	Keene	12.00	14.4	3.50	3.5	7.00	6.6
Eshelman Red Rose Horse Feed	Keene	9.00	12.9	3.00	3.5	10.00	5.6
Eshelman Red Rose Rabbit Pellets	Keene	18.00	18.3	3.00	3.6	12.00	9.2
Pennsy Laying Mash	Keene	20.00	21.0	3.50	4.9	8.00	5.3
Red Rose Calf Starter	Keene	18.00	18.8	3.00	3.3	8.00	7.3
Red Rose Complete Breeder	Keene	16.00	18.6	3.50	5.0	4.50	4.0
Red Rose Complete Breeder Ration	Keene	16.00	17.8	4.00	4.9	4.50	4.0
Red Rose Complete Laying Ration	Keene	16.00	17.1	4.00	5.1	4.50	4.0
+ Red Rose Poultry Booster Pellets	Keene	25.00	26.0	3.50	4.2	6.00	4.7
Farm Bureau Brand Feeds, Farm Bureau Association							
Waltham, Mass.							
(F)+Complete Developer Mash	Mt. Vernon	16.00	17.1	3.50	4.6	4.50	3.9
(F)+Complete Market Egg Mash ..	Mt. Vernon	16.00	16.1	3.50	4.6	4.50	3.9
(F)+14% Dairy Ration "Fine"	Mt. Vernon	14.00	14.6	3.50	4.6	8.00	5.3
(F)+16% Dairy Ration "Fine"	New Boston	16.00	17.0	3.50	3.9	8.50	4.2
(F)+Finisher Mash	Mt. Vernon	17.50	17.9	4.00	4.2	4.50	3.2
(F)+Hog Feed	Mt. Vernon	14.00	14.0	3.50	4.6	6.50	6.3
Farm Bureau Coop Assn., Inc.							
Columbus, Ohio							
Dehydrated Alfalfa Meal	Manchester	17.00	18.1	1.50	3.0	27.00	23.9
Farmers Feed Co.							
Brooklyn, N. Y.							
Bull Brand Brewers Dried Grains	Claremont	26.00	27.1	6.00	8.0	17.00	13.6
Farmers Grain & Feed Co.							
Morrisville, Vt.							
Windsor Special 16% Dairy	Newport	16.00	17.6	3.00	3.4	9.00	7.3

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Florida Citrus Canners Cooperative							
Lake Wales, Florida							
Lake Wales Brand Citrus Pulp ..	Lebanon	6.00	6.3	2.00	2.1	16.00	11.6
Fowler Bros., Inc.							
Suncook, N. H.							
Nicarbazin Mixture in Sun Valley Hi-Energy Starter and Broiler Mash	Suncook	20.00	20.9	3.00	4.8	4.00	4.0
Sun Valley Dairy Ration	Suncook	16.00	17.3	2.50	4.8	10.00	7.6
Sun Valley Hi-Energy All Mash Breeder	Suncook	15.00	15.6	3.00	5.7	4.50	3.9
General Mills, Inc.							
Minn., Minn.							
Gold Medal Hi-Efficiency Breeder Mash	Exeter	20.00	20.5	3.00	4.8	5.00	4.2
Gold Medal Hi-Efficiency Complete Breeder Mash	Exeter	16.00	16.5	3.00	4.9	5.00	4.4
Gold Medal Scratch Feed	Exeter	9.50	10.3	2.50	2.7	5.00	3.3
Gold Medal 20% Super Dairy Feed	Exeter	20.00	23.9	3.00	3.0	10.00	7.8
Larro All Purpose Poultry Wormer	Exeter	20.00	20.0	2.50	3.8	5.50	5.4
Larro Antibiotic Mix in Surelift	Exeter	16.00	18.0	3.00	3.0	3.50	3.5
Larro Nicarbazin with Arsonic Growth Stimulant in Surebroiler Finisher 23	Exeter	23.00	23.0	6.50	<u>5.8</u>	2.50	2.6
Larro Nicarbazin with Chlor-tetracycline Mixture (100 gr.) in Special Surebroiler Starter	Laconia	20.00	22.2	3.00	3.5	3.50	2.9
Larro Nicarbazin Mix in Sure-Chick	Exeter	20.00	21.0	3.50	4.0	5.00	4.0
Larro Nicarbazin in Special Surebroiler Starter	Exeter	20.00	21.7	3.00	3.7	3.50	2.9
Larro Poultry Surehatch H-E ...	Exeter	20.00	<u>20.0</u>	2.50	3.9	5.50	4.8
Larro Poultry Surehatch Complete H-E	Exeter	16.00	16.9	2.50	3.6	5.00	3.7
Larro Scratch Grains	Exeter	9.00	9.1	2.00	2.6	5.00	3.3
Larro Surebroiler Finisher 23 (NCB-AGS) Medicated	Exeter	23.00	24.5	6.50	6.5	2.50	2.2
Larro Surebroiler Starter 26 (NCB-AGS) Medicated	Exeter	26.00	28.3	6.50	6.5	2.50	2.5
+Larro Surelay "H-E"	Exeter	20.00	20.8	2.50	3.4	5.50	4.9
+Larro Surelay Complete H-E ...	Exeter	16.00	16.6	2.50	3.3	5.00	4.9
Larro Suremilk 14	Exeter	14.00	14.9	3.00	3.1	9.00	9.0
Larro Suremilk 16	Exeter	16.00	16.1	3.00	3.1	9.00	8.4
Larro Suremilk 20	Lancaster	20.00	21.6	3.00	3.9	9.00	8.2
Medicated Poultry Surelift (P-105) Pelleted	Laconia	27.50	29.7	5.50	6.3	3.00	2.5
Nicarbazin with Arsonic Growth Stimulant in Larro Surebroiler Starter	Exeter	20.00	21.6	3.00	4.5	3.50	2.3

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
General Mills, Inc. (Continued)								
Nicarbazin with Arsonic Growth Stimulant in Surebroiler Finisher	Exeter	20.00	22.0	2.50	3.7	5.50	3.1	
Nicarbazin Mixture in Gold Medal Chick Starter	Exeter	20.00	20.7	3.00	4.3	7.00	7.0	
Washburn's Gold Medal Wheat Bran and Ground Wheat Screenings Not Exceeding Mill Run	Enfield	14.00	14.9	3.50	4.0	12.00	9.4	
Glidden Co.								
Chicago, Illinois								
Glidden Soybean Oil Meal	Bow Mill	44.00	47.7	0.50	1.2	7.00	4.8	
Gloucester By-Products, Inc.								
Gloucester, Mass.								
+ Globpro Brand Fish Meal	Manchester	60.00	62.0	8.00	12.5	1.00	0.1	
Globpro Fish Meal	Manchester	60.00	62.5	8.00	12.1	1.00	0.4	
Hales & Hunter Co.								
Chicago, Ill.								
Pioneer Dairy Production 16	Lebanon	16.00	16.5	3.00	3.2	8.00	6.5	
Pioneer Dairy Production 18	Lebanon	18.00	18.4	3.00	<u>2.7</u>	8.00	6.7	
Pioneer Dry & Freshening	Lebanon	12.00	12.6	2.50	<u>3.4</u>	8.00	7.1	
Pioneer Horse Feed	Lebanon	12.00	13.4	2.50	3.4	8.00	6.1	
Red Comb All Mash Layer	Lebanon	17.00	17.2	3.50	5.3	5.50	5.0	
Red Comb Egg Mash	Lebanon	20.00	21.6	3.50	3.7	6.50	5.4	
Red Comb Growing Mash	Lebanon	18.00	18.2	3.00	5.2	7.00	5.7	
Red Comb .015% Nicarbazin Mixture in Red Comb Growing Mash	Lebanon	18.00	18.3	3.00	4.3	7.00	6.7	
Harper Feed Mills								
Washington, Pa.								
Harco Laying Mash	Derry	20.00	19.5	3.50	4.2	6.00	5.9	
Harco Special Short Feed	Derry	15.00	16.5	3.00	3.7	5.50	5.4	
Top Profit Scratch Grains	Derry	9.00	10.9	2.00	3.1	5.00	5.3	
Hi Pro Association, Inc.								
Frankford, Delaware								
+ Hydrolyzed Poultry Feathers	Manchester	85.00	85.0	0.50	1.4	1.50	0.4	
E. C. & W. L. Hopkins Co.								
Greenfield, N. H.								
Chlortetracycline Mixture in Granite State Booster	Hillsboro	20.00	21.4	3.00	4.3	4.00	4.0	
Granite State Broiler Mash Medicated	Nashua	21.00	20.5	4.00	6.1	4.50	3.6	
Granite State Complete Mash	Hillsboro	15.00	15.8	3.00	4.6	7.00	5.1	
** Granite State 16% Dairy Feed..	Hillsboro	16.00	16.1	3.50	4.2	9.00	6.8	
Granite State 16% Dairy Feed..	Greenfield	16.00	18.2	3.50	4.4	9.00	6.5	
Granite State 20% Dairy Feed..	Hillsboro	20.00	20.0	4.00	<u>3.2</u>	10.00	7.7	

+ Not registered when sampled.

* Protein and fat not less than, crude fiber not more than.

** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
E. C. & W. L. Hopkins Co. (Continued)								
	Granite State 20% Dairy Feed..	Hillsboro	20.00	22.5	3.50	4.2	10.00	6.0
	Granite State Egg Mash	Hillsboro	20.00	21.7	4.00	4.2	7.50	6.7
	Granite State Egg Mash	Greenfield	20.00	20.0	4.00	4.1	7.50	6.3
	Granite State Fitting Ration ...	Nashua	14.00	14.6	3.00	4.0	8.00	5.8
+	Granite State High Energy Breeder Mash	Greenfield	16.00	16.7	3.00	4.6	4.00	3.6
**	Granite State High Energy Com- plete Breeder	Hillsboro	16.00	<u>15.1</u>	3.00	4.8	4.00	3.4
**	Granite State Hi Energy Com- plete Growing Mash	Peterboro	16.00	17.0	3.00	4.3	4.00	3.2
**	Granite State Hi Energy Com- plete Laying Mash	No. Weare	16.00	16.0	3.50	4.1	4.50	3.3
+	Granite State High Energy Lay- ing Mash	Greenfield	16.00	16.9	3.00	4.6	4.50	3.7
**	Granite State High Energy Lay- ing Mash	Greenfield	16.00	16.7	3.00	4.1	4.50	3.4
**	Granite State High Energy Lay- ing Mash	Greenfield	16.00	16.5	3.00	4.0	4.50	3.2
	Granite State Scratch Grains ...	Dover	10.00	10.7	2.50	2.5	5.00	2.8
	Granite State Stock Feed	Hillsboro	7.50	8.3	2.50	5.7	10.00	9.8
	Nicarbazin-Arsanilic Acid Mix- ture in Granite State Broiler Mash	Nashua	20.00	20.5	3.50	4.9	4.50	3.3
	Provender	Hillsboro	9.00	9.4	2.50	3.5	10.00	5.9
	Sulfaquinoxaline Mixture Mixed with Granite State Chick Starter	Greenfield	20.00	21.1	3.00	3.9	6.50	3.7
International Milling Co.								
Minneapolis 1, Minn.								
	Blackhawk Wheat Standard Mid- dlings with Ground Wheat Screening Not Exceeding Mill Run	Derry	14.00	15.1	3.00	4.4	9.50	6.5
R. P. Johnson and Son								
Potter Place, N. H.								
	Johnson's Complete Laying Mash	Potter Place	15.00	16.1	3.00	3.2	8.00	7.6
	Johnson's Dairy Feed	Potter Place	16.00	18.0	3.00	3.8	9.00	6.2
	Johnson's Laying Mash	Potter Place	18.00	18.7	4.00	4.0	8.00	5.5
	Johnson's Pig & Hog Feed	Potter Place	15.00	17.4	2.00	3.8	7.00	5.2
Keystone Dehydrators								
Nazareth, Penna.								
	Keystone Super Green Dehy'd Alfalfa Meal	Bow Mill	17.00	17.8	2.00	2.3	27.00	<u>29.1</u>
H. C. Knoke and Co.								
Chicago, Ill.								
	Barley Feed	Manchester	12.00	13.0	3.00	3.6	16.00	15.3

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs						
			Protein		Fat		Crude Fiber		
			Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found	
Kuder Pulp Sales Co.									
Lake Alfred, Fla.									
	Kuder Dried Citrus Pulp	Colebrook	6.00	6.1	3.00	<u>1.9</u>	13.00	10.3	
	+Kuder Dried Citrus Pulp High Sugar	Manchester	6.00	6.0	5.00	<u>3.6</u>	13.00	10.3	
L. B. Lovitt & Company									
Memphis Tenn.									
	"Lovit Brand" 41% Protein Cottonseed Meal	Derry	41.00	41.1	3.00	3.6	14.00	12.4	
Maine Marine Products, Inc.									
Portland, Me.									
	Maine Concentrate	Suncook	50.00	54.4	10.00	17.2	1.00	0.4	
	Maine Sea Horse Fish Concentrate	Bow Mill	60.00	63.8	8.00	12.0	1.00	0.2	
Maine Reduction Co., Inc.									
Brooks, Maine									
	+Hydrolyzed Feather Meal—with Blood added	Manchester	85.00	88.5	1.00	2.1	3.00	0.7	
Maple Leaf Milling Co.									
Toronto, Canada									
	Rex Wheat Bran	Concord	14.00	15.3	3.50	4.4	12.00	9.0	
Maritime Milling Co., Inc.									
Buffalo 2, N. Y.									
	+Arsanilic Acid and Nicarbazin Mixture in B-B MaCo Broiler Ration	Newport	22.00	22.8	4.50	4.5	3.00	2.9	
	+Arsanilic Acid Mixture in MaCo Broiler Finishing Ration	Hillsboro	21.00	22.4	4.00	4.2	3.00	2.2	
Merrimack Farmers' Exchange, Inc.									
Concord, N. H.									
	Arsanilic Acid Mixture in Merrimack Fast Gro Starter and Broiler	Derry	20.00	20.0	3.00	3.5	4.50	3.8	
	Chlortetracycline and Oxytetracycline Mixture in High-Level Antibiotic Mash	Exeter	20.00	21.1	2.50	3.6	4.50	3.8	
	Chlortetracycline, Oxytetracycline and Nicarbazin Mixture in Merrimack High Level Antibiotic Mash	Derry	20.00	20.2	2.50	3.4	4.50	4.1	
	16% (Fine) Dairy Ration	Bow Mill	16.00	16.9	2.75	3.2	10.00	7.2	
**	Merrimack All Mash	New London	15.00	16.5	3.50	4.2	7.00	6.2	
(F)	Merrimack All Mash	Manchester	15.00	16.6	3.50	4.2	7.00	6.3	
(F)	Merrimack All Mash	Wolfeboro	15.00	17.1	3.50	4.1	7.00	6.5	

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

(F) Sampled at a Farm.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Merrimack Farmers' Exchange, Inc. (Continued)							
(F)Merrimack All Mash	Manchester	15.00	16.3	3.50	4.5	7.00	5.7
Merrimack Blue Ribbon 16% Dairy Ration	Exeter	16.00	<u>14.5</u>	3.50	4.0	9.00	5.0
**Merrimack Breeder Mash	Nashua	20.00	20.4	3.00	4.1	4.50	3.8
(F)Merrimack Breeder Mash	Wolfeboro	20.00	21.4	3.00	4.1	4.50	4.1
Merrimack Calf Starter and Growing Ration	Plymouth	12.00	13.8	2.75	3.6	12.00	7.8
Merrimack Calving Ration	Plymouth	12.00	13.6	2.75	3.2	15.00	11.0
Merrimack Chick Feed	Derry	9.00	9.0	2.50	<u>2.2</u>	5.00	1.7
Merrimack Chick Starter	Nashua	20.00	20.8	2.50	4.0	6.00	5.5
**Merrimack Complete Grower (Pellets)	New London	15.00	15.6	3.00	4.3	8.00	5.9
Merrimack Complete Grower- Layer	Bow Mill	16.00	16.2	3.00	4.2	7.00	7.0
Merrimack Complete Layer	Plymouth	15.00	15.5	3.00	4.1	7.00	5.6
**Merrimack Complete Layer	Rumney	15.00	15.1	3.00	4.0	7.00	3.8
Merrimack Conditioner Pellets ..	Franklin	17.00	20.2	2.50	3.5	8.00	5.5
**Merrimack 16% Dairy Fine	Claremont	16.00	16.5	2.75	3.5	10.00	8.1
Merrimack 16% Dairy Ration ..	Plymouth	16.00	15.5	3.50	3.6	9.00	7.9
**Merrimack 16% Dairy Ration ..	Epping	16.00	17.3	3.50	3.6	9.00	8.2
**Merrimack 16% Dairy Ration ..	Claremont	16.00	15.7	3.50	3.8	9.00	7.6
(F)Merrimack 16% Dairy Ration ..	Laconia	16.00	16.5	3.50	4.0	9.00	7.6
**Merrimack 20% Dairy Ration ..	Henniker	20.00	20.3	3.50	4.2	8.50	7.5
Merrimack Extra Production Super Mash Medicated	Laconia	16.00	16.3	2.50	3.7	4.50	4.4
(F)Merrimack 14% Fitting Ration	Laconia	14.00	14.6	3.50	3.8	9.00	7.0
(F)Merrimack 14% Fitting Ration	Manchester	14.00	14.4	3.50	3.6	9.00	7.1
(F)**Merrimack 14% Fitting Ra- tion	Nashua	14.00	14.4	3.50	4.0	9.00	8.7
**Merrimack 14% Fitting Ration	Goffstown	14.00	15.7	3.50	4.0	9.00	7.6
**Merrimack 14% Fitting Ration	Plymouth	14.00	15.2	3.50	3.8	9.00	7.4
**Merrimack 14% Fitting Ration	Peterboro	14.00	14.3	3.50	3.6	9.00	6.8
(F)Merrimack 14% Fitting Ration	Durham	14.00	14.7	3.50	3.7	9.00	6.6
(F)Merrimack 14% Fitting Ration	Benton	14.00	15.6	3.50	3.6	9.00	6.5
(F)**Merrimack 14% Fitting Ra- tion	Laconia	14.00	15.8	3.50	3.8	9.00	8.4
(F)Merrimack 14% Fitting Ration	Manchester	14.00	15.4	3.50	3.6	9.00	6.8
(F)Merrimack 14% Fitting Ration	Laconia	14.00	17.0	3.50	3.8	9.00	6.0
**Merrimack 14% Fitting Ration	Bow Mill	14.00	16.6	3.50	3.8	9.00	6.6
Merrimack Fodder Ration	Claremont	10.00	13.3	1.50	1.7	20.00	15.5
Merrimack Fodder Ration	Bow Mill	10.00	11.8	1.50	1.7	20.00	16.9
(F)Merrimack Game Bird and Tur- key Breeder	Brentwood	24.00	24.2	3.00	5.2	6.00	4.7
+ Merrimack Growing Mash	Bow Mill	19.00	19.6	3.00	4.1	4.50	3.7
**Merrimack Hi-F Grower	Rumney	16.00	16.4	2.50	3.4	4.50	4.4
Merrimack Hi-F Grower-Layer ..	Laconia	16.00	<u>15.4</u>	2.50	3.4	4.50	3.7
**Merrimack Hi-F Layer	Newbury	15.00	15.3	2.50	3.3	4.50	3.8
Merrimack Hi-F Layer	Plymouth	15.00	15.5	2.50	3.2	4.50	3.7
(F)**Merrimack Hi-F Layer	Nashua	15.00	15.1	2.50	3.2	4.50	3.8
**Merrimack Hi-F Layer	Mt. Vernon	15.00	15.4	2.50	3.2	4.50	3.6

* Protein and fat not less than, crude fiber not more than.

(F) Sampled at a Farm.

** Sampled from Bulk Shipments.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar-anteed*	Found	Guar-anteed*	Found	Guar-anteed*	Found
Merrimack Farmers' Exchange, Inc. (Continued)								
(F)**Merrimack Hi-F Layer		Dublin	15.00	16.5	2.50	3.2	4.50	3.7
(F)**Merrimack Hi-F Layer		Dublin	15.00	15.8	2.50	3.2	4.50	3.8
**Merrimack Hi-F Layer		Laconia	15.00	16.0	2.50	3.4	4.50	4.0
Merrimack Horse Feed		Derry	11.00	11.1	3.25	3.9	10.00	6.7
Merrimack Laying Mash		Plymouth	20.00	20.2	3.50	4.3	5.00	3.2
Merrimack 12% Pasture Ration		Claremont	12.00	13.5	3.00	3.1	10.00	7.9
Merrimack Pig Feed		Plymouth	17.00	16.6	3.00	4.4	7.00	6.1
(F)Merrimack Pig Feed		Manchester	17.00	17.4	3.00	4.5	7.00	7.0
Merrimack Pig Feed		Claremont	17.00	17.4	3.00	4.1	7.00	7.0
Merrimack Pig Feed		Bow Mill	17.00	17.1	3.00	4.6	7.00	6.6
(F)Merrimack Pig Feed		Manchester	17.00	17.2	3.00	4.8	7.00	6.0
Merrimack Poultry Fitting Ration		Bow Mill	13.50	13.6	2.50	3.1	8.00	4.5
Merrimack Provender		Bradford	9.00	9.7	3.00	3.6	10.00	5.0
Merrimack Sheep and Goat Ration		Bradford	14.00	14.7	2.50	3.3	9.00	5.7
(F)Merrimack 18% Special Dairy Ration		Ossipee	18.00	18.8	3.50	4.0	8.50	7.4
Merrimack 18% Special Dairy Ration		Claremont	18.00	18.0	3.50	3.8	8.50	8.2
(F)Merrimack 18% Special Dairy Ration		Manchester	18.00	18.6	3.50	3.7	8.50	6.9
Merrimack Stock Feed		Plymouth	9.00	11.6	2.50	3.3	12.00	9.6
**Merrimack Super Mash		New Boston	16.00	16.7	2.50	3.6	4.50	4.2
**Merrimack Super Mash		Walpole	16.00	16.5	2.50	3.7	4.50	4.2
Merrimack Turkey Growing Mash		Plymouth	22.00	24.3	2.50	3.3	4.50	4.4
Merrimack White Mountain Dairy		Plymouth	16.00	<u>14.7</u>	2.00	2.6	12.00	9.6
(F)**Merrimack White Mountain Dairy		Tilton	16.00	16.2	3.00	3.5	10.00	7.5
Merrimack Worm Control Mixture		Plymouth	15.00	16.0	3.00	4.0	8.00	4.8
Nicarbazin and Arsanilic Acid Mixture in Merrimack Fast-Gro Starter and Broiler		Exeter	20.00	23.2	3.00	3.2	4.50	4.3
Nicarbazin Mixture Inc. in Merrimack Chick Starter		Exeter	20.00	21.1	2.50	3.8	6.00	4.6
Sulfaquinoxaline Mixture in Merrimack All Mash		Franklin	15.00	16.5	3.50	4.1	7.00	6.2
(F)+Sulfaquinoxaline Mixture in Merrimack Game Bird Starter		Brentwood	27.00	28.0	3.00	4.5	7.00	5.9
Sulfaquinoxaline Mixture in Merrimack Hi-F Grower		Derry	16.00	16.6	2.50	3.8	4.50	4.2
Miller Alfalfa Co.								
Defiance, Ohio								
Dehydrated Alfalfa Meal (Pellets)		Dover	17.00	17.9	1.50	2.9	27.00	22.3

* Protein and fat not less than, crude fiber not more than.

(F) Sampled at a Farm.

** Sampled from Bulk Shipments.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Miner-Hillard Milling Co.							
Wilkes-Barre, Pa.							
Choice Steam Cooked Hominy Feed	Manchester	10.00	10.4	5.00	5.3	5.00	4.1
Minute Maid Corp.							
Plymouth, Florida							
Golden Isle Citrus Pulp	Plymouth	5.50	6.1	2.75	<u>2.0</u>	15.00	12.2
Golden Isle Citrus Pulp	Plymouth	5.50	5.7	2.75	<u>2.2</u>	15.00	11.1
Golden Isle Citrus Pulp	Bow Mill	5.50	6.0	2.75	<u>2.1</u>	15.00	11.5
Mowat Wilson Co.							
Detroit, Michigan							
Dried Beet Pulp	Lebanon	7.00	8.3	0.30	0.5	22.50	19.1
Dried Molasses — Beet Pulp	Derry	7.00	10.1	0.30	0.3	20.00	14.6
Dried Molasses — Beet Pulp	Bow Mill	7.00	8.9	0.30	0.5	20.00	15.9
National Alfalfa Dehydrating & Milling Co.							
Lamar, Colorado							
Jack Rabbit 17% Dehydrated Alfalfa Granules	Keene	17.00	17.0	1.50	2.6	27.00	21.1
National Distillers Products Corp.							
99 Park Ave., N. Y.							
Nadrisol Brand Corn Distillers Dried Solubles	Suncook	25.00	28.0	6.00	6.1	4.00	2.5
The Neumond Co.							
St. Louis, Mo.							
+ Neumond's 13% Suncured Al- falfa Meal	Claremont	13.00	13.5	1.00	1.6	33.00	28.7
Northern Ohio Sugar Co.							
Freemont, Ohio							
G. W. Dried Beet Pulp	Manchester	7.00	8.9	0.30	0.5	22.50	18.2
Ogden Grain Co.							
Utica, N. Y.							
Ogden Breeder Mash	Salem Depot	20.00	20.0	4.50	5.2	5.00	4.6
(F)Ogden Complete Starter- Grower-Layer-Breeder	Grasmere	16.00	17.2	3.00	3.7	6.50	6.7
Ogden Complete Starter- Grower-Layer-Breeder	Manchester	16.00	16.0	3.00	3.5	6.50	5.7
Ogden Hi-Energy Laying Mash ..	Salem Depot	16.00	16.6	4.00	4.7	4.50	4.2
Ogden Rabbit Pellets	Salem Depot	18.00	18.1	3.00	3.4	12.00	10.0
Ogden Scratch Grains	Salem Depot	9.00	10.1	3.00	3.0	6.00	2.9
Ogden U-T-K Fitting Ration	Salem Depot	14.00	15.5	3.00	3.8	12.00	9.6
Ogden U-T-K Fitting Ration	Salem Depot	14.00	15.5	3.00	4.1	12.00	9.0
Ogden U-T-K Sweet 14%	Salem Depot	14.00	16.9	3.00	3.6	11.00	8.2
Ogden U-T-K Sweet 16%	Salem Depot	16.00	17.6	3.00	3.6	12.00	9.5
Ogden U-T-K Sweet 16%	Salem Depot	16.00	18.5	3.00	4.0	12.00	9.1

* Protein and fat not less than, crude fiber not more than.

(F) Sampled at a Farm.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Park & Pollard Co.								
Buffalo, N. Y.								
	Corn & Oats Half & Half	Lebanon	10.00	10.0	3.00	3.6	8.00	6.1
	Furazolidone and Chlortetracy- cline Mixture in Lay or Bust T. N. T.	Lebanon	22.00	24.4	3.00	4.0	5.00	4.7
	Green Acres 14%	Lebanon	14.00	15.5	3.00	3.7	11.00	11.7
+	Hi-Prime Complete Turkey Breeder	Plymouth	18.00	18.2	3.50	3.8	5.00	4.5
	Lay or Bust All Mash Breeder ...	Lebanon	16.00	16.6	3.50	4.2	5.00	4.4
	Lay or Bust All Mash Grower ...	Plymouth	15.00	15.5	3.50	3.7	5.00	3.7
	Lay or Bust All Mash Layer	Plymouth	16.00	16.5	3.50	3.8	5.00	4.0
+	Lay or Bust All Mash Layer	Lebanon	16.00	15.3	3.50	3.2	5.00	5.0
	Lay or Bust Breeder Mash	Salem Depot	20.00	22.1	3.50	4.9	6.00	3.0
	Lay or Bust Chick Starter	Colebrook	21.00	21.6	3.50	3.8	4.50	4.5
	Lay or Bust Egg Mash	Plymouth	20.00	20.2	3.50	3.5	6.00	5.1
+	Lay or Bust Egg Mash	Lebanon	20.00	20.1	3.50	3.5	6.00	4.7
	Lay or Bust Growing Feed (Pel- lets)	Lebanon	18.00	19.8	3.50	3.6	6.00	5.0
	Lay or Bust Hi-Power 20% Broiler Ration	Plymouth	20.00	20.8	3.50	4.4	4.00	3.2
	Lay or Bust Hi-Value Pellets	Berlin	12.00	13.7	3.00	5.2	6.50	5.6
	Lay or Bust Hi-Value Pellets	Hillsboro	12.00	13.4	3.00	3.1	6.50	5.1
	Lay or Bust Poultry Fitting Ra- tion	N. Haverhill	12.00	12.4	3.00	3.0	9.00	4.4
	Milk Maid Bulky Sweet Dairy ...	Colebrook	12.00	13.4	2.50	3.1	14.00	12.1
	Milk Maid Calf Starter	Newport	19.00	18.4	3.00	3.9	8.00	4.6
	Milk Maid 16% Dairy Ration	Plymouth	16.00	19.7	3.50	4.1	9.00	8.5
	Milk Maid 20% Dairy Ration	Berlin	20.00	19.6	3.50	3.8	9.00	9.3
	Milk Maid Dri-Fresh Ration	Lebanon	12.00	15.2	3.00	3.9	10.00	10.8
	Milk Maid Fitting Ration	Lebanon	14.00	14.7	3.00	3.5	9.00	9.0
+	Milk Maid Fitting Ration	Lebanon	14.00	15.2	3.00	3.9	9.00	8.2
	Milk Maid 14% Test Ration	Berlin	14.00	15.6	4.00	4.4	9.00	8.8
	Milk Maid 18% Test Ration	Berlin	18.00	18.2	4.00	4.2	9.00	8.8
+	Milk Maid 18% Test Ration	Hillsboro	18.00	18.0	5.00	4.4	9.00	7.8
	Nicarbazin Mixture in Lay or Bust All-Mash Grower	Lancaster	15.00	17.5	3.50	4.4	5.00	3.9
	Nicarbazin Mixture in Lay or Bust Chick Starter	Berlin	21.00	22.7	3.50	3.7	4.50	4.5
	Nicarbazin Mixture in P & P Complete Grower	Hillsboro	15.00	15.6	3.00	4.1	6.00	5.1
+	Park & Pollard Complete Grower	Lebanon	15.00	16.4	3.00	3.0	6.00	5.5
	Park & Pollard Complete Layer	Berlin	15.00	16.9	3.00	5.2	6.00	5.6
	Park & Pollard Complete Layer	Hillsboro	15.00	17.7	3.00	3.6	6.00	4.7
	P & P 16% Dairy	Lancaster	16.00	16.5	3.00	3.6	10.00	8.6
	Park & Pollard Economy Scratch	Lancaster	9.00	9.9	2.00	3.3	4.50	4.4
	P & P Fitting Ration	Lancaster	14.00	14.0	3.00	3.3	11.00	9.8
	Park & Pollard Go-Tu-It Pig Grower	Lebanon	14.00	14.6	3.50	3.8	7.00	4.4
	Park & Pollard Go-Tu-It Pig Starter	Colebrook	16.00	17.4	3.00	4.2	6.00	4.9

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Park & Pollard Co. (Continued)							
+ Park & Pollard Hi-Speed Horse Feed	Lebanon	12.00	13.0	3.00	3.4	9.00	7.3
P & P Histostat Mixture in Hi-Prime Turkey Starter	Plymouth	28.00	28.5	3.50	3.7	5.00	5.0
P & P Histostat Mixture in Hi-Prime Turkey Grower	Plymouth	22.00	23.3	3.50	4.3	5.50	4.7
Park & Pollard Rabbit Pellets ..	Newport	17.00	17.9	3.00	3.4	12.00	9.2
Park & Pollard Stock Feed	Berlin	10.00	13.8	2.00	2.4	12.00	9.4
P & P Sulfaquinoxaline Mixture in Hi-Prime Turkey Grower	Newport	22.00	23.6	3.50	3.9	5.50	3.8
P & P Sulfaquinoxaline Mixture in Lay or Bust Chick Starter	Plymouth	21.00	22.1	3.50	4.3	4.50	4.0
Phenothiazine & Nicotine Mixture in Lay or Bust D-Wormer	N. Haverhill	18.00	20.7	2.75	3.9	6.50	6.2
Red Ribbon 16% Dairy Ration ..	Rochester	16.00	20.8	3.00	3.4	11.00	9.4
Red Ribbon 18% Dairy Ration ..	Rochester	18.00	20.7	3.00	3.1	11.00	9.6
Red Ribbon 20% Dairy Ration ..	Rochester	20.00	21.4	3.00	3.1	11.00	9.4
George H. Parker Grain Co.							
Danvers, Mass.							
Bill McHugh's Horse Feed	Salem Depot	12.00	11.6	3.00	3.2	10.00	7.1
Bill McHugh's Horse Feed	Salem Depot	12.00	12.3	3.00	3.6	10.00	7.9
Parrish & Heimbecker, Ltd.							
Tronoto, Quebec, Canada							
+ "Parrheim" Pure Wheat Bran	Dover	14.00	14.2	3.50	4.1	11.50	7.5
+ "Perrheim" Pure Wheat Shorts	Suncook	14.00	15.3	3.50	5.0	8.00	7.6
Pasco Packing Co.							
Dade City, Fla.							
Suger Sweet Citrus Pulp	Lancaster	6.00	5.8	3.00	5.3	13.50	10.2
Suger Sweet Citrus Pulp	Potter Place	6.00	6.2	3.00	4.3	13.50	10.2
Penick & Ford Ltd., Inc.							
Cedar Rapids, Iowa							
+ 21% Protein Douglas Corn Gluten Feed	Keene	21.00	25.0	1.00	1.7	10.00	8.0
Pillsbury of Canada, Ltd.							
Midland, Canada							
+ Dandy Wheat Bran	Colebrook	14.00	14.4	3.50	<u>2.1</u>	11.50	10.4
Pillsbury Mills, Inc.							
Minn., Minn.							
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run ..	Exeter	14.00	15.8	4.00	4.6	12.00	10.6
+ **Pillsbury Mills Soybean Oil Meal	Bow Mill	50.00	50.6	0.50	1.0	3.00	3.0

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs						
			Protein		Fat		Crude Fiber		
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found	
Pillsbury Mills, Inc. (Continued)									
Pillsbury's Wheat Standard Mid- dlings with Ground Wheat Screenings not Exceeding Mill Run			Woodsville	15.00	15.8	4.00	4.6	9.50	7.2
Presto Grain Co.									
Claremont, N. H.									
Presto 16% Dairy Ration			Claremont	16.00	16.3	3.50	3.3	9.00	6.6
Presto 16% Dairy Ration			Claremont	16.00	16.4	3.50	<u>3.1</u>	9.00	6.7
Presto 16% Dairy Ration			Claremont	16.00	15.6	3.00	3.0	9.00	7.0
+ Presto 20% Dairy Ration			Claremont	20.00	<u>17.43</u>	3.00	3.0	9.00	6.3
Presto 20% Dairy Ration			Claremont	20.00	<u>20.1</u>	3.50	<u>3.2</u>	9.00	5.8
Presto 20% Dairy Ration			Claremont	20.00	<u>17.9</u>	3.00	<u>2.7</u>	9.00	6.3
Presto Fitting Ration			Claremont	14.00	15.1	3.50	3.6	9.00	6.5
Presto Fitting Ration			Claremont	14.00	15.0	3.50	<u>3.1</u>	9.00	6.7
Presto Fitting Ration			Claremont	14.00	14.4	3.00	3.2	9.00	6.7
Presto High Energy All Mash Layer			Claremont	16.00	16.4	3.50	3.9	4.50	4.3
Presto High Energy All Mash Layer			Claremont	16.00	16.0	3.50	3.8	4.50	4.4
Presto Pig Grower			Claremont	14.00	15.3	3.50	3.8	7.00	6.0
Presto Pig Grower			Claremont	14.00	14.5	3.50	3.6	7.00	7.3
Quaker Oats Co.									
Chicago, Ill.									
Bell Cow Wheat Bran			Keene	15.00	15.0	3.50	4.2	11.50	10.1
Quaker Oats Co. of Canada, Ltd.									
Peterborough, Ontario, Canada									
Peterborough Oat Mill By-Prod- uct			Franklin	2.50	3.2	1.00	1.1	33.00	31.4
Peterborough Oat Mill By-Prod- uct			Claremont	2.50	3.3	1.00	1.2	32.00	29.4
Ralston Purina Co.									
St. Louis, Mo.									
Medicated Chek-R-Aide Check- er-ettes			Nashua	20.00	20.1	4.50	5.6	4.50	3.5
Northeastern Scratch Feed			Manchester	9.00	9.0	2.00	2.6	5.00	3.5
Purina B & M Cow Chow D			Manchester	16.00	16.0	2.50	2.7	10.00	5.2
Purina Breeder Lay Chow E			Exeter	23.00	23.8	4.00	5.5	5.00	4.8
Purina Breeder Layena (Com- plete Ration) E			Manchester	16.50	16.5	4.00	5.6	4.50	3.4
Purina Breeder Layena (Com- plete Ration) E			Nashua	16.50	16.8	4.00	6.1	4.50	3.4
Purina Chick Growena E			Exeter	17.00	17.3	3.00	4.6	7.00	5.1
Purina Chick Growing Chow E ..			Exeter	23.00	23.9	2.50	3.9	8.00	6.2
Purina Cow Chow 16% (Coarse)			Exeter	16.00	16.0	2.50	2.7	10.00	5.6
Purina Cow Chow 16% (Coarse)			Exeter	16.00	16.5	2.50	2.9	10.00	5.6
Purina Cow Chow 18% D			Manchester	18.00	18.3	2.50	2.6	10.00	5.1

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Ralston Purina Co. (Continued)							
Purina D & F Chow	Lancaster	12.50	12.1	2.50	2.5	11.00	8.6
Purina 16% Dairy Chow	Exeter	16.00	16.3	2.50	3.3	13.00	9.6
Purina Eggena E	Manchester	16.00	16.7	3.00	5.2	7.00	5.8
Purina Eggena E	Manchester	16.00	16.4	3.00	4.8	7.00	6.3
Purina Lay Chow E	Exeter	23.00	22.7	3.50	4.9	5.00	4.8
Purina Layena (Complete Ra- tion) E	Lancaster	16.50	16.5	3.50	5.2	4.50	3.9
Purina Milk Chow E 16%	Manchester	16.00	17.3	3.00	3.3	10.00	6.6
Purina 3 Nitro-4 & Nicarbazin Purina Broiler Chow Finisher E	Nashua	20.00	20.1	4.50	5.4	3.00	2.5
Purina 4 - Nitrophenylarsonic Acid Mixture in Purina Tur- key Fatena E	Manchester	15.50	16.0	3.50	5.4	8.00	4.2
Purina 4 - Nitrophenylarsonic Acid Mixture in Turkey Breeder Developer E	Nashua	14.00	15.0	3.00	4.5	8.50	6.8
P. 3 Nitrophenylarsonic Acid & Nicarbazin Mixture in P. Chick Startena E	Manchester	22.00	22.3	4.50	5.6	5.00	4.6
Purina Omolene	Lancaster	10.00	11.1	3.00	2.8	11.00	8.7
Purina Omolene	Salem Depot	10.00	11.0	3.00	3.1	11.00	7.3
Purina Pullet Developer E	Exeter	13.00	13.5	2.50	4.4	8.00	5.6
Purina Roaster Chow (E) nc Medicated	Nashua	17.00	17.0	4.00	5.4	6.50	3.6
Purina Turkey Breeder Layena E	Manchester	16.50	16.6	3.00	4.9	6.50	4.2
Purina Turkey Fatena E	Manchester	15.50	15.8	3.50	5.4	8.00	4.5
Purina Turkey Growena E	Manchester	20.00	19.6	3.50	5.0	7.00	4.9
John Reardon & Sons							
Cambridge, Mass.							
Register Brand 45% Protein Meat & Bone Scrap	Concord	45.00	<u>44.2</u>	8.00	12.1	.....	....
Register Brand 45% Protein Meat & Bone Scrap	Concord	45.00	45.5	8.00	9.9	....	....
G. Rouleau, Ltd.							
Montreal, Quebec, Canada							
+Barley Feed	Keene	9.50	11.2	2.00	2.3	14.00	8.6
Russell Miller Milling Co.							
Minn., Minn.							
Occident Wheat Bran	Claremont	14.50	15.9	4.00	4.4	11.00	10.1
Occident Wheat Red Dog	Colebrook	16.50	18.9	3.50	4.8	4.00	2.9
Occident Wheat Standard Mid- dlings with Ground Wheat Screenings	Manchester	15.00	18.9	4.00	5.5	9.50	9.1
Occident Wheat Standard Mid- dlings W/GWS	Claremont	15.00	17.2	4.00	4.9	9.50	8.0

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Saunders Mills, Inc.							
Toledo, Ohio							
+Vita Greens Alfalfa Meal De- hydrated 17	Concord	17.00	17.1	1.50	2.4	27.00	24.6
Scotia Fat Salvage Co., Ltd.							
Middle Sackville, Halifax County, Nova Scotia							
+Pure Ground Fish Meal	Manchester	60.00	63.1	10.00	<u>3.0</u>	.....	....
Joseph E. Seagram & Sons, Inc.							
Louisville, Ky.							
Seagram's Corn Distillers Dried Solubles	Manchester	25.00	29.6	5.00	6.8	5.00	4.7
Shirriff-Horsey Corp., Ltd.							
Plant City, Florida							
+J. William Horsey Brand Dried Citrus Pulp	Manchester	6.00	6.5	3.00	<u>2.4</u>	15.00	14.0
South End Grain, Inc.							
Manchester, N. H.							
Nicarbazine Mixture in Superior Starter-Broiler	Manchester	20.00	21.2	2.50	3.4	4.00	3.3
Superior High Energy Breeder Mash	Manchester	16.00	16.3	3.00	3.9	4.50	4.5
Southern Fruit Distributors, Inc.							
Orlando, Florida							
Bluebird Citrus Pulp	Claremont	6.00	6.1	3.50	<u>2.6</u>	17.00	15.5
F. B. Saulding Co.							
Lancaster, N. H.							
Provender	Lancaster	10.00	10.0	3.50	3.5	9.00	5.4
"Real" Hog Grower & Fattener..	Lancaster	14.00	14.9	3.50	<u>3.2</u>	5.50	3.8
Spaulding's 16% Dairy Ration ..	Lancaster	16.00	16.6	3.00	3.3	9.00	7.1
Spaulding's 20% Dairy Ration ..	Lancaster	20.00	21.1	2.75	3.4	9.00	7.0
Spaulding's Fitting Ration	Lancaster	12.00	13.4	3.25	3.3	9.00	8.2
Spaulding's Horse Feed	Lancaster	10.00	10.2	3.25	3.4	9.00	8.1
St. Lawrence Starch Co.							
Port Credit, Ontario, Canada							
+**Bacon's Corn Gluten Feed	Claremont	21.00	25.8	2.00	3.9	10.00	8.2
A. E. Staley Mfg. Co.							
Decatur, Ill.							
+Staley's Corn Oil Meal	Manchester	18.00	21.5	3.50	4.8	11.00	10.6
Suni Citrus Products Co.							
Haines City, Fla.							
Sweet Suni Citrus Pulp	Manchester	6.00	6.0	3.50	4.5	15.00	<u>17.2</u>

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Trexler Farm, Inc.							
Allentown, Pa.							
+Trexler Dehydrated Alfalfa Meal	Manchester	17.00	17.8	2.00	2.4	27.00	26.4
Trudeau & Freres							
Chemin Larocque Rd., Valleyfield, Quebec, Canada							
+Brewers' Dried Grains	N. Haverhill	22.00	22.5	7.00	7.9	15.00	15.7
Ultra Life Laboratories, Inc.							
East St. Louis, Ill							
Ultra-Life Livestock	Keene	23.00	25.6	1.50	1.6	4.50	4.1
+Ultra-Life 3 Nitro-4-Hydroxy Mix in New Broiler Gro	Keene	22.50	22.8	4.00	5.3	7.00	6.3
United Cooperative Farmers, Inc.							
Fitchburg, Mass.							
**Hi NRG All Mash Breeder	New Ipswich	15.50	16.3	4.50	5.5	5.00	3.8
**Hi NRG All Mash Grower & Layer	New Ipswich	15.50	16.4	5.00	4.7	5.00	3.4
**U.C.F. All Mash Grower & Layer	New Ipswich	15.50	15.5	4.00	5.2	5.00	3.7
**U.C.F. Super Starter Medicated..	New Ipswich	20.00	20.1	4.00	5.2	4.00	3.6
Unity Feeds, Inc.							
Manchester, N. H.							
Broiler Maker Medicated	Manchester	20.00	20.1	4.00	4.9	3.50	3.5
20% Dairy Ration	Manchester	20.00	21.1	3.50	3.8	9.00	7.9
+**High Energy Growing & Laying Mash Medicated	New Ipswich	15.00	16.2	4.00	4.3	4.00	3.6
Super Starter Medicated	Manchester	20.00	20.2	3.00	4.9	4.00	3.9
**Unity Dairy & Fitting Ration	Hopkinton	14.00	14.7	3.50	3.6	9.00	7.2
(F)**Unity 16 Dairy Ration	Francestown	16.00	16.2	3.50	4.5	9.00	7.3
**Unity Feeds Breeder Mash	Brentwood	20.00	18.7	3.00	4.1	6.00	4.4
(F)**Unity Feeds 16% Dairy Ration	Hillsboro	16.00	18.3	3.50	4.1	9.00	6.7
**Unity Feeds 16% Dairy Ration..	Hopkinton	16.00	16.1	3.50	3.8	9.00	7.8
**Unity Feeds 16% Dairy Ration..	Suncook	16.00	16.1	3.50	4.0	9.00	8.6
(F)**Unity Feeds 16% Dairy Ration	Brentwood	16.00	17.1	3.50	3.8	9.00	6.6
(F)**Unity Feeds 16% Dairy Ration	Bedford	16.00	17.1	3.50	3.7	9.00	8.1
(F)**Unity Feeds 16% Dairy Ration	Bedford	16.00	18.0	3.50	3.9	9.00	7.3
(F)**Unity Feeds 20% Dairy Ration	Brentwood	20.00	22.0	3.50	3.4	9.00	7.3
(F)**Unity Feeds Dairy & Fitting Ration	Manchester	14.00	14.5	3.50	3.9	9.00	6.4
(F)**Unity Feeds Dairy & Fitting Ration	Hopkinton	14.00	14.8	3.50	4.2	9.00	8.6
**Unity Feeds Growing & Laying Mash	So. Weare	20.00	20.6	3.00	4.2	6.00	5.9

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

(F) Sampled at a Farm.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Unity Feeds, Inc. (Continued)								
(F)**	Unity Feeds High Energy Growing & Laying Ration ..	Brentwood	15.00	15.7	4.00	4.8	4.00	3.7
(F)	Unity Feeds Turkey & Game Bird Growing Mash	Brentwood	20.00	20.4	3.00	3.9	5.00	4.5
(F)	Unity Improved Calf Ration	Brentwood	20.00	21.8	3.50	3.3	6.00	5.8
(F)	Unity Turkey & Game Bird Growing Mash	Brentwood	20.00	20.7	3.00	3.8	5.00	4.6
H. K. Webster Co.								
Lawrence, Mass.								
	Blue Seal All-Mash Breeder's Ration	Nashua	16.00	16.4	3.50	3.9	3.50	2.6
	Blue Seal All-Mash Egg Ration	Laconia	16.00	16.4	3.00	3.2	4.00	3.7
	Blue Seal All-Mash Egg Ration (Pellets)	Laconia	16.00	16.0	3.00	3.6	4.00	3.3
	Blue Seal All-Mash Growing Ration	Laconia	16.00	16.0	3.00	3.7	4.00	3.6
	Blue Seal All-Mash Growing Ration	Enfield	16.00	16.0	3.00	3.9	4.00	3.3
	Blue Seal Coarse 16 Dairy Ration	Bedford	16.00	17.6	3.50	4.2	9.00	8.7
	Blue Seal Coarse "20" Dairy Ration	Laconia	20.00	20.4	3.50	4.6	9.00	8.0
	Blue Seal "16" Dairy Ration Coarse	Enfield	16.00	17.0	3.50	4.1	9.00	8.1
	Blue Seal Egg Mash (Pellets)	Laconia	20.00	<u>19.2</u>	3.50	4.3	7.00	6.0
	Blue Seal Fine "16" Dairy Ration	Exeter	16.00	17.0	3.50	3.8	9.00	7.7
	Blue Seal Fine "20" Dairy Ration	Exeter	20.00	20.8	3.50	3.8	9.00	7.4
(F)	Blue Seal Fitting Ration	Grasmere	14.00	15.1	3.50	3.9	9.00	8.3
(F)	Blue Seal Fitting Ration	Grasmere	14.00	15.2	3.50	4.4	9.00	6.6
	Blue Seal Furazolidone Chlor-tetracycline Mixture in NFA..	Nashua	20.00	20.1	3.00	3.6	4.00	2.7
+	Blue Seal Furazolidone, Chlor-tetracycline and Nicarbazin Mixture in NFA	Exeter	20.00	20.5	3.00	4.1	4.00	4.0
	Blue Seal Growing Mash	Laconia	18.00	18.5	3.50	4.2	6.50	6.7
	Blue Seal Horse Feed	Laconia	10.00	10.2	3.00	3.5	9.00	6.4
	Blue Seal Nicarbazin Mixture Inc. In Advance Broiler	Nashua	22.00	21.7	5.00	5.1	3.50	2.7
	Blue Seal Nicarbazin Mixture in Advance Broiler (Pellets)..	Laconia	20.00	20.4	4.00	4.8	4.00	3.9
	Blue Seal Nicarbazin Mixture in Chick Starter	Laconia	20.00	23.9	4.00	4.4	4.50	4.2
	Blue Seal Pig Feed	Nashua	15.00	15.5	4.00	4.8	6.00	4.3
	Blue Seal Poultry and Turkey Fitting	Enfield	12.00	12.7	2.50	2.9	6.00	4.5
	Blue Seal Scratch Feed	Exeter	9.50	10.2	2.50	2.9	4.00	2.6
	Blue Seal SQ. Mixture All Mash Growing Ration	Nashua	16.00	16.2	3.00	3.7	4.00	2.6

* Protein and fat not less than, crude fiber not more than.

(F) Sampled at a Farm.

** Sampled from Bulk Shipments.

+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
H. K. Webster Co. (Continued)							
Blue Seal Standard "16" Dairy Ration	Enfield	16.00	17.1	3.00	4.0	9.00	8.4
Blue Seal Standard 20 Dairy Ration	Barrington	20.00	21.0	3.50	4.2	9.00	7.4
(F)Blue Seal Succulent Feed and Calving Ration	Grasmere	12.00	12.6	2.00	2.5	16.00	14.5
(F)Blue Seal Succulent Feed and Calving Ration	Grasmere	12.00	12.3	2.00	2.7	16.00	9.4
Blue Seal Super Breeder's Mash	Exeter	20.00	19.7	4.00	4.2	4.00	2.6
Whitmoyer Laboratories, Ltd. Yarmouth, Nova Scotia, Canada							
Whitmoyer Quality 56% Fish Meal	Keene	56.00	60.9	5.00	9.5	2.00	0.2
James Wilson & Sons, Ltd. Monkland Mills, Fergus, Ont.							
+Pulverized Oat Hulls	Bow Mill	4.00	4.2	1.00	1.8	30.00	29.4
Winslow Feed Co., Inc. Concord, N. H.							
Big W Breeder	Concord	22.00	23.3	3.50	5.0	6.00	4.5
Big W Fore-Runner Medicated ..	Concord	20.00	22.0	3.50	4.7	4.50	3.4
Big W Hi Efficiency Breeder ...	Concord	16.00	16.9	3.50	4.4	4.00	3.1
Big W Hi-Ef Grower-Layer	Concord	16.00	16.9	3.50	4.6	4.50	3.2
Big W S-F Mash	Concord	15.00	17.3	3.00	4.5	6.00	3.9
Winslow's Coarse 18 Dairy	Concord	18.00	17.7	3.50	4.0	10.00	7.9
Wirthmore Feed Co. Concord, N. H.							
**Hygrade 16% Dairy	Hopkinton	16.00	17.0	3.50	4.2	9.00	8.8
**Hygrade 16% Dairy	Hopkinton	16.00	16.5	3.50	4.1	9.00	8.6
**Hygrade 16% Dairy	Concord	16.00	16.9	3.50	3.7	9.00	8.0
**Hygrade 14% Fitting Ration ...	Hopkinton	14.00	13.6	3.50	4.0	9.00	9.4
Hygrade Growing Mash	Concord	18.00	18.5	3.00	4.6	6.50	5.3
Hygrade High Energy Grower & Layer	Concord	16.00	18.5	3.00	4.8	4.50	3.7
Hygrade Sulfaquinoxaline Mixture in Broiler Ration	Concord	20.00	20.0	3.00	4.2	4.50	3.7
Hygrade Sulfaquinoxaline Mixture in Chick Starter	Concord	20.00	20.4	3.00	4.9	6.50	5.5
Hygrade Sulfaquinoxaline Mixture in High Energy Grower ..	Concord	16.00	17.5	3.00	4.3	4.50	3.7

* Protein and fat not less than, crude fiber not more than.

(F) Sampled at a Farm.

+ Not registered when sampled.

** Sampled from Bulk Shipments.

TABLE III — DOG AND CAT FOODS

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Albers Milling Co.							
Kansas City, Mo.							
+Friskie's Dog Food	Portsmouth	10.00	10.1	2.50	4.1	1.00	0.4
Allen Products Co., Inc.							
Allentown, Pa.							
Al Po Dog Feed — Beef & Beef By-Products	New London	15.00	15.7	5.00	6.5	1.50	0.1
Al Po Dog Food Horsemeat & Horsemeat By-Products	New London	14.50	15.2	2.00	4.9	1.50	0.1
American Crabmeat Co., Inc.							
Boston, Mass.							
Little 3 Kittens Cat Food	Canaan	15.00	16.9	2.00	0.6	0.10	0.04
Armour & Co.							
Chicago, Ill.							
Armour's Dash Dog Food	Pittsfield	10.50	13.2	2.50	3.0	1.00	0.6
Atlantic & Pacific Tea Co.							
N. Y., N. Y.							
Daily Dog Food Diet No. 1	Meredith	12.00	12.2	3.00	4.9	1.50	0.6
Calo Dog Food Co., Inc.							
Oakland, Calif.							
Calo Dog Food	Meredith	10.00	10.2	3.00	4.1	1.00	0.8
Calo Horsemeat for Dogs & Cats	Portsmouth	15.00	<u>12.8</u>	6.00	12.4	1.00	0.4
Coast Fisheries, Inc., Div. of							
Quaker Oats Co.							
Chicago, Ill.							
Puss'n Boots Cat Food	Franklin	12.00	14.4	2.00	9.3	1.00	0.7
Consolidated Foods Corp.							
Chicago, Ill.							
Better Bite Dog Food	Sunapee	14.00	15.0	4.00	<u>2.1</u>	0.50	0.5
+Friendly Dog & Cat Food	Hudson	8.00	8.2	1.00	2.1	2.00	0.9
+Spunky All Fish Cat Food	New London	15.00	16.4	0.25	0.9	1.00	0.1
Spunky Dog Food	New London	10.00	10.5	2.00	2.0	1.25	1.2
Deep Run Packing Co.							
Dublin, Pa.							
+Big Bet Dog Food	Alton	10.00	10.4	3.00	3.5	1.50	1.4
Big Bet Dog Food 100% Horse- meat	Newmarket	15.00	<u>14.0</u>	6.00	15.5	2.00	0.3
+Smithy's Best Bet Dog Food — 100% Horsemeat	Nashua	14.00	14.2	5.00	15.5	1.50	0.1
Delham Food Product Co., Inc.							
Brighton, Mass.							
Kim's Dog Food	Franklin	18.00	17.5	5.00	7.4	0.05	0.01

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE III — DOG AND CAT FOODS — Continued

Manufacturer	Brand	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
			Protein		Fat		Crude Fiber	
			Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Doyle Packing Co., Inc., of N. J.								
Long Beach, N. J.								
	Strongheart Dog & Cat Food	Portsmouth	15.00	14.6	4.00	14.1	1.50	0.3
Eastern States Farmers' Exchange, Inc.								
W. Springfield, Mass.								
	Eastern States Dog Food	Manchester	24.00	24.4	6.00	7.5	3.50	2.5
Evans Industries, Inc.								
Marion, Ind.								
	Prime Pet Food	Boscawen	8.00	8.8	2.00	<u>1.5</u>	1.50	0.4
Food Products Co. of America								
Chicago, Ill.								
	Captain Horsemeat Dog Food	Contoocook	17.50	<u>15.5</u>	3.50	13.3	1.00	0.1
	Doghouse Dog & Cat Food	Portsmouth	10.00	<u>10.2</u>	2.00	2.3	5.00	1.5
Foodland, Inc.								
Cleveland, Ohio								
	+ Mrs. Lane's Cat Food	Hudson	17.00	<u>16.0</u>	0.50	0.6	0.10	0.03
	Mrs. Lane's Dog Food	Rochester	8.00	<u>11.0</u>	2.00	3.8	1.50	1.2
	+ Mrs. Lane's Dog & Cat Food	Nashua	14.00	18.6	2.00	3.9	0.70	0.4
Foster Canning Co.								
Farmington, N. J.								
	Snappy Dog Food	Franklin	9.00	9.5	1.00	1.3	1.50	1.3
General Foods Corp.								
Kankakee, Ill.								
	Gaines Dog Menu AA	Newport	10.50	13.6	2.50	3.1	1.00	0.5
	+ Jack & Jill Cat Food	Tilton	14.00	17.6	0.25	0.3	0.25	0.1
	+ Jack & Jill Cat Food	Enfield	14.00	18.1	0.25	0.5	0.25	0.02
General Mills, Inc.								
Minn., Minn.								
	Larro Surechamp (Cubes)	Laconia	24.00	25.1	5.00	5.6	6.00	3.8
GLF Marketing Service								
Canandaigua, N. Y.								
	+ Big Red Dog Food	Hudson	15.00	<u>11.6</u>	6.00	12.4	1.50	0.1
Hartz Mountain Products								
New York 3, N. Y.								
	Dog Yummies — Dog Treat	New Durham	26.00	35.5	3.00	6.2	6.00	2.5
Hill Pet Food Division								
Topeka, Kansas								
	Hill's Dog Food	Keene	12.00	<u>11.2</u>	5.00	5.0	1.00	0.5
	+ Hill's Horsemeat & Meat By- Products for Dogs & Cats	Barnstead	16.00	17.6	4.00	5.2	1.00	0.3

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE III — DOG AND CAT FOODS — Continued

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Laddie Boy Dog Food Co.							
Glendale, N. Y.							
+Laddie Boy Dog Food — Beef Ground	Rochester	14.00	<u>12.7</u>	3.00	9.1	1.50	0.2
Marnat Packing Co.							
Bennettsville, S. C.							
+Big Time Dog Food	Jaffrey	15.00	16.2	3.00	5.5	1.00	0.2
Massachusetts Canning Co.							
Boston, Mass.							
Imp Cat Food	Lakeport	14.00	17.3	0.50	0.6	0.10	0.04
+Mack's Dog & Cat Food (Horse- meat)	Hudson	14.00	18.1	6.00	7.0	0.70	0.1
National Packing Corp.							
Boston, Mass.							
+Kitty Snicker Cat Food	Gossville	10.00	11.6	2.00	3.5	1.00	0.3
National Pet Foods, Inc.							
Marcellus Falls, N. Y.							
+Kalico Kat Cat Food	Contoocook	12.00	13.0	2.00	8.1	1.50	0.7
Old Mother Hubbard Dog Food Co.							
Gloucester, Mass.							
Old Mother Hubbard All Breed Dog Food	Warner	10.00	10.6	2.00	3.5	1.00	0.4
Original Old Mother Hubbard Fish Cat Food	Warner	15.50	18.4	0.25	0.3	1.00	0.1
Orleans Canning Co.							
Chicago, Ill							
Orleans Dog Food	Rochester	15.00	16.4	3.00	12.4	1.50	0.1
T. Passarini Co.							
Newton Hgts., Mass.							
Golden Twins Fish & Liver Cat Food	Hudson	15.00	16.3	0.20	0.4	1.50	0.1
S. S. Pierce Co.							
Boston, Mass.							
+S. S. Pierce Co. Dog Dinner Dog Food	Somersworth	10.00	11.7	2.00	4.2	1.00	1.0
Quaker City Packing Co.							
Allentown, Pa.							
Quaker City Beef Dog Food	Nashua	13.00	<u>8.0</u>	9.00	9.1	1.00	0.1
Quaker Oats Co.							
Chicago, Ill.							
Ken L Ration	Meredith	10.00	10.1	4.00	5.9	1.00	0.4

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

TABLE III — DOG AND CAT FOODS — Continued

Manufacturer	Sampled in	Pounds in 100 lbs. of Feedingstuffs					
		Protein		Fat		Crude Fiber	
		Guar- anteed*	Found	Guar- anteed*	Found	Guar- anteed*	Found
Re-Dan Packing Co.							
Ozone Pg., Long Island, N. Y.							
Cadet Dog Food	Northwood	8.00	9.3	2.00	3.1	1.50	1.1
Red Heart Div., John Morrell & Co.							
Chicago 4, Ill.							
Morrell Red Heart Cat Food	Hudson	11.50	12.2	2.00	3.8	1.00	0.7
Rex Dog Food Div. of Laddie Boy							
Dog Foods							
Glendale, N. Y.							
+Rex Dog Food	Rochester	8.00	8.7	2.00	4.9	1.50	0.9
Rival Packing Co.							
Chicago 32, Ill.							
Rival Cat Food	Portsmouth	12.00	12.5	2.00	2.0	1.50	1.1
Rudhard Products, Inc.							
248 Michigan Ave., Buffalo, N. Y.							
+Rudhard Baked Fish Balls	Rochester	27.00	33.4	3.00	6.6	3.00	1.1
+Rudhard Baked Meat Balls	Rochester	27.00	28.9	3.00	6.9	3.00	1.2
Standard Brands, Inc.							
N. Y., N. Y.							
Walter Kendall Hunt Club Dog Meal	Enfield	23.00	24.3	5.00	5.2	4.00	3.0
Swift & Co.							
Chicago, Ill.							
Pard's Swift Dog Food	Franklin	10.50	<u>9.50</u>	2.50	4.7	1.00	0.4
Thrivo Co., Inc.							
Phila., Pa.							
Scamp Dog Food	Boscawen	8.00	8.9	1.50	2.0	1.50	0.9
Timerson Canning Co.							
Fair Haven, N. Y.							
Flip Dog & Cat Food	Portsmouth	8.00	9.8	2.50	3.0	1.50	1.4
Timco Cat Food	Portsmouth	12.00	14.2	2.50	6.1	1.25	1.0
Timco Dog & Cat Food	Portsmouth	12.00	11.8	2.50	5.4	1.25	1.0
Timco Horsemeat Dog Food	Barnstead	16.00	17.3	2.50	11.3	0.50	0.1
Timco 100% Horesmeat Dog Food	Portsmouth	18.00	17.6	2.50	16.1	0.50	0.1
Usen Canning Co.							
Boston, Mass.							
Cop-E-Cat Cat Food	Franklin	16.00	15.7	0.30	0.9	0.30	0.1
Tabby All Fish Cat Food	Penacook	16.00	16.1	0.30	0.9	0.30	0.1
Vets Div. Perk Dog Food Co.							
Chicago, Ill.							
Vets Dog Food	Franklin	10.00	10.2	2.00	1.8	1.50	1.5

* Protein and fat not less than, crude fiber not more than.

+ Not registered when sampled.

The following products were unregistered by the New Hampshire Department of Agriculture at the time they were found exposed for sale, but samples were not drawn. (List supplied by the Feed Control Supervisor.)

AGRI-TECH, INC. Spec Meal Alfalfa	KANSAS CITY 5, MO. 17-1.5-27
ARCHER-DANIELS-MIDLAND CO. 34% Protein Fat Fortified Linseed Oil Meal	MINNESOTA 2, MINN. 34-3.5-10
BEACON MILLING CO. Beacon Duck Fitting	CAYUGA, NEW YORK 23-3.5-6
A. B. CAPLE CO. 17% Capex Dehy. Alfalfa Meal	TOLEDO, OHIO 17-2-27
CHARLES M. COX CO. Wirthmore Dog Biscuit Kibbled	BOSTON, MASS. 22-2-3
DEEP RUN PACKING CO. Big Bet Dog Food Cat'n the Fiddle Cat Food Smitty's Best Dog Food	DUBLIN, PENNA. 15-3-1.5 10-2-1 14-5-1.5
DELAWARE MILLS, INC. Delaware H-E Broiler	DEPOSIT, NEW YORK 22-4-4
ELM CITY GRAIN CO. Markitop Dry & Freshening Ration	KEENE, N. H. 12-3-8
ELMORE MILLING CO. Emco Scratch Feed	ONEONTA, NEW YORK 9-2.5-7
FARM BUREAU CO-OP ASS'N, INC. Dehydrated Alfalfa Meal	COLUMBUS, OHIO 17-1.5-27
FOODLAND, INC. Mrs. Lane's Dog and Cat Food	CLEVELAND, OHIO 14-2-7
FOOD PRODUCTS CO. OF AMERICA Dog House Dog Meal	CHICAGO, ILLINOIS 25-4-4
HARPER FEED MILLS, INC. Harco Hi Energy Broiler Pellets Harco Top Profit Scratch Feed Harco Short Feed Station Fattening Pellets	WASHINGTON, PENNA. 20-3-4.5 9-2-5 15-3-5
LADDIEBOY DOG FOODS, INC. Laddie Boy Dog Food All Chicken	GLENDALE, L. I., N. Y. 10-3-1.5
MARNAT PACKING CO. Bit Time Horse Meat Dog Food	BENNETTSVILLE, S. C. 15-6-1
S. E. MIGHTON CO. 100% Brand Dog Food	BEDFORD, OHIO 15-4-5
NATIONAL BISCUIT CO. Pal Dog Biscuit	NEW YORK, N. Y. 20-3.5-2.5
NEW ENGLAND STORES SERVICE CORP. Jumbo Dog Food	WORCESTER, MASS. 9-1-1.5

T. PASSARINI CO. Golden Twins Fish & Liver Cat Food	NEWTON HEIGHTS, MASS. 15.-2-1.5
PHILLIPS PACKING CO., VIMPEP FOODS DIV. Vimpep Dog Food Nice Kitty Cat Food	CAMBRIDGE, MD. 10-2-1 10-2-1
PIERCE GRAIN CORP. Superior Fitting Ration	BUFFALO, N. Y. 14-3.5-9
S. S. PIERCE CO. Dogs Demand, A Complete Meal Dog Food	BOSTON, MASS. 10-2-1
QUAKER OATS CO. Peterborough Oat Mill By-Product	PETERBOROUGH, ONT., CANADA 2.5-1-32
G. ROULEAU, LTD. Canadian Barley Feed	MONTREAL, QUE., CAN. 9.5-2-14
SPRATT'S PATENT (AM), LTD. Spratt's Assorted Dog Biscuits	NEWARK, N. J. 21-3-1.75
STANDARD BRANDS, INC. Hunt Club BurgerBits Dog Food	NEW YORK, N. Y. 25-5-4
F. W. STOCK & SONS Stock's Middlings	HILLSDALE, MICH. 13.5-4-9.5
SUNSHINE BISCUITS, INC. Austin's Kibbled Baked Dog Food	NEW YORK, N. Y. 22-2.5-4.5
T. H. TAYLOR CO., LTD. Wheat Bran	CHATHAM, CANADA 13.5-3-11.5
ULTRA LIFE LABS., INC. Ultra Life 3-Nitro-4-Hydroxy. in New Broiler Gro Ultra Life High Energy Poultry	EAST ST. LOUIS, ILL. 22.5-4-7 19.5-5-5.5
UNITY GRIST MILL Trim—A Complete Ration (Medicated)	MANCHESTER, N. H. 15.5-3-6
VITALITY MILLS, INC. Vitality Medium Kibbled Biscuit	CHICAGO, ILL. 24-3-3
H. K. WEBSTER CO. Blue Seal Provender	LAWRENCE, MASS. 9.5-3.5-7
WILSON & CO. Ideal Dog Food Kibbled Type	CHICAGO, ILL. 22.3-2.5-3.61

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