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INSPECTION OF COMMERCIAL FEEDING STUFFS

Made for the
STATE DEPARTMENT OF AGRICULTURE

The inspection of commercial feeding-stuffs reported in this bulletin was made under the direction of the Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. E. D. Sanborn, State Inspector, collected samples of 360 brands of feeding-stuffs which were offered for sale in the State between December 1926 and April 1927.

THE LAW.

The New Hampshire law entitled an Act to Regulate the Sale of Concentrated Commercial Feeding-Stuffs requires every manufacturer or dealer who shall sell or offer for sale any concentrated commercial feeding-stuff to furnish with each package a clearly printed statement certifying the number of net pounds in the package, the brand name under which the feed is sold, the name and address of the manufacturer, the ingredients of which the feed is composed, and a chemical analysis stating the minimum percentages only of protein, fat and carbohydrates, and the maximum percentage only of crude fiber. The purposes of the law are primarily to protect the consumer against the dishonest or careless manufacturer and to enable him to buy more economically the feeds best suited to his needs. The law aims to prevent misbranding, adulteration and other fraudulent practices. It requires that full information be available to the purchaser both as to the guaranteed analysis of the feed and the materials of which it is composed. The consumer's co-operation in refusing to buy any feed which does not conform to the law in every respect will not only help in the enforcement of the law but will at the same time afford himself its protection. The state official charged with the enforcement of the feeding-stuffs law is the Commissioner of Agriculture.

DEFINITIONS OF FEEDS

The Association of Feed Control Officials of the United States has adopted definitions and standards for the various materials offered for sale as commercial feeds. These definitions and standards were published in full in the 1924 feeding-stuffs bulletin, copies of which are still available. Since the publication of the 1924 bulletin the Association has made the following additions and changes.

ANIMAL PRODUCTS

Cracklings are the residue after partially extracting the fats and oils from the animal tissues. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

Digestive Tankage is the residue from animal tissues, exclusive of hoof and horn, specially prepared for feeding purposes by tanking under live steam, drying under high heat, and suitable grinding, and contains less than 10 per cent phosphoric acid (P_2O_5)

CORN PRODUCTS

Corn Oil Cake consists of the corn germ from which part of the oil has been pressed and is the product obtained in the wet milling process of manufacture of corn starch, corn syrup and other corn products.

Corn Oil Meal is ground corn oil cake.

Corn Germ Cake consists of corn germ with other parts of the corn kernel from which part of the oil has been pressed, and is the product obtained in the dry milling process of manufacture of corn meal, corn grits, hominy feed, and other corn products.

COTTONSEED PRODUCTS.

Cottonseed Meal is a product of the cottonseed only, composed principally of the kernel with such portion of the hull as

is necessary in the manufacture of oil, provided that nothing shall be recognized as cottonseed meal that does not conform to the foregoing definition and that does not contain at least 36% of protein. Cottonseed meal shall be graded and classed as follows:

1. *Cottonseed Meal, Prime Quality.* Cottonseed meal, prime quality, must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, yellowish, not brown or reddish, free from excessive lint, and shall contain not less than 36% of protein. It shall be designated and sold according to its protein content. Cottonseed meal with 36% of protein shall be termed "36% Protein Cottonseed Meal, Prime Quality," and higher grades similarly designated (as "43% Protein Cottonseed Meal, Prime Quality"), etc.

2. *Cottonseed Meal, Off Quality.* Cottonseed meal not fulfilling the above requirements as to color, odor and texture shall be graded "36% Protein Cottonseed Meal, Off Quality," and higher grades similarly designated.

RYE PRODUCTS.

Rye bran is the coarse outer covering of the rye kernel as separated from the cleaned and scoured rye.

Rye feed, a by-product obtained in the usual process of the milling of rye flour from cleaned and scoured rye grain consists principally of the mill run of the outer covering of the rye grain and the germ with small quantities of flour and aleurone.

Rye red dog, a by-product obtained in the usual process of the milling of rye flour, consists principally of aleurone with small quantities of flour and fine bran particles and shall not contain more than 3.5% of fiber.

Rye low grade feed flour consists principally of dark rye flour and small quantities of aleurone and fine bran particles and shall not contain more than 1.5% crude fiber.

Rye middlings consists of the rye feed and rye red dog combined in the proportions obtained in the usual process of milling rye flour.

Rye Flour Middlings consists of the rye feed, rye red dog and pure dark rye flour combined in the proportions obtained in the milling of rye flour and shall not contain more than 5% crude fiber.

WHEAT PRODUCTS

Wheat Bran is the coarse outer covering of the wheat kernel as separated from cleaned and scoured wheat in the usual process of commercial milling.

Hard Spring Wheat Products

Standard Millings consist mostly of fine particles of bran, germ and very little of the fibrous offal obtained from the "tail of the mill". This product must be obtained in the usual commercial process of milling and shall not contain more than 9.5 per cent crude fiber.

Flour Middlings shall consist of standard middlings and red dog flour combined in the proportions obtained in the usual process of milling and shall not contain more than 6.0 per cent crude fiber.

Wheat Red Dog, a by-product obtained in the usual commercial process of flour milling, consists principally of aleurone with small quantities of flour and fine bran particles and shall not contain more than 4.0% crude fiber.

Wheat Low Grade Feed Flour, a by-product obtained in the usual commercial process of flour milling, consists principally of flour with small quantities of aleurone and fine bran particles and shall not contain more than 1.5% crude fiber.

Wheat Bran and Standard Middlings consists of the two commodities as defined above, mixed in the proportions obtained in the usual process of commercial milling.

Wheat Mixed Feed (Mill Run Wheat feed) consists of pure wheat bran and flour middlings combined in the proportions obtained in the usual process of commercial milling. This product shall not contain more than 9.5 per cent crude fiber.

Winter Wheat Products

Brown Shorts (Red Shorts) consists mostly of the fine particles of bran, germ and very little of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual commercial process of milling and shall not contain more than 7.5% crude fiber.

Gray Shorts (Gray Middlings or Total Shorts) consists of the fine particles of the outer bran, the inner bran or bee-wing bran, the germ and the offal of fibrous materials obtained from the "tail of the mill." This product must be obtained in the usual process of commercial milling and shall not contain more than 6.0% crude fiber.

White Shorts or White Middlings consists of a small portion of the fine bran particles and the germ and a large portion of the fibrous offal obtained from the "tail of the mill". This product must be obtained in the usual process of flour-milling and shall not contain more than 3.5% crude fiber.

Wheat Mixed Feed (Mill Run Wheat feed) consists of pure wheat bran and the gray or total shorts combined in the proportions obtained in the usual process of commercial milling. This product shall not contain more than 8.5% crude fiber.

Screenings consists of the smaller imperfect grains, weed seeds and other foreign materials, having feeding value, separated in cleaning the grain.

Scourings consists of such portions of the cuticle, brush, white caps, dust, smut and other materials as are separated from the grain in the usual commercial process of scouring.

(*Note*) If to any of the wheat or rye by-product feeds there should be added screenings or scourings—as above defined, either ground or unground, bolted or unbolted, such brand shall be so registered, labeled and sold as clearly to indicate this fact. The word "Screenings" or "Scourings" as the case may be, shall appear as a part of the name or brand and shall be printed in the

same size and face of type as the remainder of the brand name. When the word "Screenings" appears it is not necessary to show also on the labeling the word "Scourings."

MISCELLANEOUS PRODUCTS

Dried Buttermilk Feed, is the product resulting from the removal of water from clean, sound buttermilk derived from natural cream to which no foreign substances have been added, excepting such as are necessary and permitted in the manufacture of butter. It contains, all tolerances being allowed for, not more than eight per cent. (8.0%) of moisture and not more than thirteen per cent. (13.0%) of mineral matter (Ash).

Evaporated Buttermilk feed, Concentrated Buttermilk feed, Condensed Buttermilk feed, is the product resulting from the removal of a considerable portion of water from clean, sound buttermilk derived from natural cream to which no foreign substances have been added excepting such as are permitted and necessary in the manufacture of butter. It contains, all tolerances being allowed for, not less than 27 per cent of total solids, not less than 2 per cent of butterfat, and not more than 14/100 per cent of ash for each per cent of solids. This definition does not prohibit the use of a distinctive trade name provided it is followed by one of the names given.

Ivory Nut Meal is the ground waste material resulting from the manufacture of buttons and similar articles from the vegetable ivory nut.

Processed Garbage is composed of garbage collected sufficiently often so that harmful decomposition has not set in; screened, dried and separated from metal, crockery, glass and similar material. Its odor must not be suggestive of pronounced decomposition and it must contain less than 1% of glass in fine pieces, none of which shows knife-like or needle-like particles. Provided further that the maximum percentage of glass be stated on the label.

Yeast or Vinegar Dried Grains are the properly dried residue from the mixture of cereals, malt and malt sprouts, (some-

times cottonseed meal) obtained in the manufacture of yeast or vinegar, and consists of corn or corn and rye from which most of the starch has been extracted, together with malt added during the manufacturing process to change the starch to sugars, and malt sprouts (sometimes cottonseed meal) added during the manufacturing process to aid in filtering the residue from the wort and serve as a source of food supply for the yeast.

CLASSIFICATION

In classifying the feeding-stuffs here reported the class names under which they were sold to the consumer have been used. Table 1 shows the number in each class, the average price per 100 pounds, the average per cent of protein, the number of pounds of protein per \$1.00, the number deficient by one-half per cent protein, the average per cent of fat, the number of pounds of fat per \$1.00 and the number deficient by one-fourth per cent fat.

TABLE I.

Class	Number in class	Average price per 100 pounds	Average per cent protein	Pounds of pro- tein per \$1.00	Number defic- ient $\frac{1}{2}$ per cent protein	Average per cent fat	Pounds of fat per \$1.00	Number defic- ient $\frac{1}{4}$ per cent fat
Alfalfa Meal	1	2.30	12.84	5.58	0	1.41	0.63	0
Alfalfa Leaf Meal	2	2.88	20.69	7.18	1	2.84	0.99	0
Beet Pulp	3	2.13	9.97	4.21	0	0.69	0.32	0
Brewers' Dried Grains	2	2.35	19.93	8.48	2	6.04	2.57	1
Buttermilk	2	12.00	32.28	2.69	1	4.96	0.41	1
Calf Meal	5	5.26	23.10	4.45	2	4.18	0.79	2
Compounded Feed	25	2.03	9.73	4.70	3	4.16	2.05	4
Corn Meal	1	2.10	9.31	4.13	0	4.91	2.31	0
Corn and Oat Feed	1	1.95	10.37	5.32	0	4.02	2.06	0
36% Cottonseed Meal	9	2.01	36.08	17.95	2	5.94	2.96	1
41% Cottonseed Meal	6	2.13	41.30	19.39	2	7.36	3.46	0
43% Cottonseed Meal	8	2.31	42.52	18.40	5	6.71	2.90	0
Dairy Feed	69	2.36	22.09	9.36	9	4.92	2.08	15
Distillers' Dried Grains	1	2.85	25.66	9.00	1	8.30	2.91	0
Gluten Feed	6	2.19	21.45	11.16	0	3.15	1.44	0
Gluten Meal	2	2.74	40.53	14.79	1	2.57	0.94	0
Hog Feed	3	2.32	17.70	6.28	1	5.17	1.83	0
Hominy Feed	10	2.11	10.42	4.94	1	6.01	2.85	3
Horse Feed	8	2.44	10.00	4.10	2	3.60	1.48	2

Linseed Meal	9	2.78	33.03	11.88	3	6.24	2.24	1
Meat and Bone Scrap	25	4.03	47.79	11.86	8	11.19	2.78	5
Oat Products	3	3.78	12.24	3.24	0	5.24	1.39	0
Poultry Feed	47	3.24	18.82	5.81	5	5.33	1.65	4
Skim Milk Powder	1	11.00	33.44	3.04	1	0.29	0.03	1
Wheat Bran	48	2.00	15.61	7.81	4	4.70	2.35	3
Wheat Middlings	26	2.23	16.21	7.27	3	4.79	2.15	4
Wheat Mixed Feed	28	2.19	15.93	7.27	2	4.46	2.04	1
Wheat Red Dog Flour	4	2.55	17.31	6.79	0	4.39	1.72	1
Wheat Shorts	5	2.05	17.87	8.72	0	5.87	2.86	0
Total	360				59			49

NUMBER OF SAMPLES FAILING TO COMPLY WITH THE LAW.

Of the 360 brands analyzed only 135 complied with the law in every respect. The 225 which did not fully comply with the law violated it on 295 counts. Eighty-nine brands or 24.7 per cent were deficient in protein, 59 of these or 16.4 per cent were deficient one-half per cent or more. Seventy brands or 19.4 per cent were deficient in fat, 49 of these or 13.6 per cent were deficient one-fourth per cent or more. Twenty-one brands contained an excessive amount of crude fiber. Sixty-three brands were deficient in carbohydrates. Fifty-two brands were offered for sale without the carbohydrate guarantee. On four brands the sliding scale guarantee was used. The use of the double guarantee does not meet the requirements of the law and in the following pages only the maximum guarantee is published. In the tabulation of the analytical data deficiencies of one-half per cent or more of protein and of one-fourth per cent or more of fat are shown in italics:

• G. P. Percival and A. W. Petre assisted in making the protein determinations. F. S. Schlenker and W. A. Westgate assisted in making the ash determinations.

REQUESTS FOR ANALYSIS OF FEEDING-STUFFS BY CONSUMERS

The Department is frequently asked to make an analysis of feeding-stuffs for individuals. This service is gladly rendered when the circumstances warrant it. Such samples should be drawn from at least five bags, preferably ten, in a manner to insure that the small lot sent for analysis is accurately representative of the large lot from which it is taken. A one-pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent the loss of fine particles and a change in the moisture content. In order that the Department may know whether or not the manufacturer and the dealer are complying with all the requirements of the law, we request the following information be submitted concerning each sample:

Brand

Manufacturer

Address

Guarantee:

 Protein

 Fat

 Carbohydrates

 Crude Fiber

Ingredients

Dealer

Address

Number of bags in lot

Number of bags sampled

Price per 100 pounds

Your name

Address

Your reason for requesting analysis

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
ALFALFA MEAL							
Triple XXV Alfalfa Meal Denver Alfalfa Milling and Products Co., Lamar, Col.	G, 12.00 F, 12.84	1.00 1.44	71.23	7.54	6.95	35.00	Alfalfa.
ALFALFA LEAF MEAL							
Alfalfa Leaf Meal Denver Alfalfa Milling and Products Co., Lamar, Col.	G, 20.00 F, 20.62	2.50 3.13	56.92	10.84	8.49	18.00 17.36	
Leaf Alfalfa Meal Lamar Alfalfa Milling Co., Lamar, Col.	G, 22.00 F, 20.76	2.50 2.51	40.00 53.53	13.99	9.18	18.00 17.13	
BEET PULP							
Dried Beet Pulp Lansow Milling Co., Detroit, Mich.	G, 8.00 F, 9.37	0.50 0.53	74.00 79.09	3.73	7.28	22.00	
Dried Beet Pulp Michigan Sugar Company Saginaw, Mich.	G, 8.00 F, 8.31	0.50 0.84	76.30	3.25	10.80	22.00	
Dried Beet Pulp Purina Mills, Rabston Purina Co., Inc., St. Louis, Mo.	G, 8.00 F, 8.74	0.50 0.69	58.00 70.58	3.83	10.16	20.00	
BREWERS' DRIED GRAINS							
Brewers' Dried Grains Badger Grains and Feed Co., Milwaukee, Wis.	G, 20.00 F, 18.89	5.00 6.43	62.87	3.66	8.10	19.00	

Brewers' Dried Grains St. Albans Grain Co., St. Albans, Vt.	G. 23.00 F. 20.97	6.00 5.59	50.00 60.25	3.39	9.30	13.50	
BUTTERMILK							
Pure Dried Buttermilk, Collis Process Collis Products Co., Clinton, Iowa	G. 30.00 F. 30.85	5.00 7.83	39.14	11.11	11.01		
Pure Dried Buttermilk Park and Pollard Co., Boston, Mass.	G. 36.00 F. 33.71	7.00 2.99	36.94	8.69	8.57		
CALF MEAL							
Beacon Calf Meal Beacon Milling Co., Inc., Cayuga, N. Y.	G. 25.00 F. 24.70	3.00 3.70	55.83	5.97	10.65	6.00 3.15	Powdered skim milk, blood meal, wheat feed dreg, old process linseed meal, hominy feed, oat groats, barley, 1% calcium phosphate.
Blatchford's Calf Meal Blatchford Calf Meal Co., Waukegan, Ill.	G. 24.00 F. 24.11	5.00 5.76	53.00 52.22	7.95	9.96	6.75 5.11	Locust bean meal, compressed flaxseed, blood flour, rice polish, old process linseed meal, dried milk albumen, barley meal, beans, cocoa, calcium phosphate, bone meal, wheat flour, cocoanut oil meal, cottonseed meal, fenugreek, nutise, salt.
Elmore Calf Meal Elmore Milling Co., Inc., Orontota, N. Y.	G. 24.00 F. 23.72	4.00 3.35	56.85	1.57	12.11	4.00 3.24	Red dog wheat flour, corn meal or corn feed meal, oat meal, old process oil meal, barley, blood meal, dried buttermilk, bone meal, salt.
Purina Calf Chow Feed Ralston Purina Co., Inc., St. Louis, Mo.	G. 27.00 F. 25.87	3.20 1.11	55.00 51.23	4.53	10.96	4.50 3.29	Blood flour, linseed meal, hominy feed, yellow corn feed meal, wheat flour, 1% bone phos- phate of lime, 1% salt.
Ryle's Cream Calf Meal Ryle and Co., Chicago, Ill.	G. 13.50 F. 19.13	1.00 3.79	62.00 61.67	5.41	10.01	4.00 3.56	Skim milk, blood meal, locust bean meal, barley malt flour, milk albumen, linseed oil meal, cocoanut oil meal, oat groats, corn meal, flaxseed meal, wheat flour, bone meal, calcium carbonate, salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Grade Fiber	
COMPOUNDED FEED							
Pennant Brand Stock Feed J. W. Bailey and Co., Swanton, Vt.	G, 9.50 F, 10.09	5.50 5.12	70.00 70.69	3.86	10.24	9.50 9.17	White hominy, oat by-products, oat middlings, oat hulls, oat shorts, linseed oil meal, barley.
Beknap Stock Feed Beknap County Farmers' Exchange Laconia, N. H.	G, 9.00 F, 9.85	5.00 5.36	60.00 71.51	3.37	9.91	10.00 8.63	Hominy, wheat red dog, oat by-products, oat middlings, oat shorts, oat hulls, $\frac{1}{2}$ % salt.
Centaur Feed Chapin and Co., Hammond, Ind.	G, 12.00 F, 12.96	4.00 5.30	65.07	6.00	10.67	8.00 8.00	Linseed oil meal, hominy feed, corn meal, oats, wheat bran, bone, charcoal, salt.
Climax Stock Feed E. A. Gowee Co., Fitchburg, Mass.	G, 8.75 F, 8.37	3.50 3.12	45.00 71.17	1.31	13.03	11.00 9.94	Corn, bran, barley, oat feed.
Gowee Stock Feed E. A. Gowee Co., Fitchburg, Mass.	G, 9.00 F, 9.15	4.00 4.12	45.00 71.00	5.15	10.28	11.00 10.91	Oats, hominy meal, corn, barley, oat meal, by-products, oat middlings, oat shorts, oat hulls, calcium carbonate.
J. C. Stock Feed J. Cushing Co., Fitchburg, Mass.	G, 8.00 F, 9.28	4.00 4.00	60.00 72.80	3.29	10.63	15.00 11.05	Oats, corn feed meal, oat feed.
Quality Stock Feed J. Cushing Co., Fitchburg, Mass.	G, 10.00 F, 9.92	3.00 3.48	50.00 73.48	3.33	10.69	10.00 9.92	Corn feed meal, hominy feed, oats, wheat middlings, oat meal mill by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}$ % salt.
Vigor Sifted Stock Feed J. Cushing Co., Fitchburg, Mass.	G, 10.00 F, 11.16	3.25 3.18	50.00 70.69	4.89	9.48	11.00 14.24	Corn feed meal, wheat middlings, hominy feed, cornfeed meal, oats, molasses, oat meal mill by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}$ % salt.

Eastern's Big Value Stock Eastern Grain Co. Portland, Me.	G. 10.00 F. 8.19	6.00 2.52	72.09	3.32	13.38	10.00 9.15	Corn feed meal, oats, wheat middlings, oat feed, $\frac{1}{2}\%$ salt.
Eastern's White Stock Feed Eastern Grain Co. Portland, Me.	G. 10.00 F. 9.23	3.00 4.18	50.00 72.94	3.79	9.86	10.00 10.15	Corn feed meal, hominy feed, oats, wheat middlings, oat meal mill by-products, oat mid-dlings, oat hulls, oat shorts, $\frac{1}{2}\%$ salt.
Echelman's Sugared Stock Feed John W. Echelman and Sons Lancaster, Pa.	G. 10.00 F. 11.08	3.25 3.96	50.00 69.53	5.25	10.18	11.00 13.28	Corn feed meal, wheat middlings, hominy feed, cottonseed meal, oats, molasses, oat meal mill by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}\%$ salt.
Grandin's Stock Feed D. H. Grandin Milling Co. Jamestown, N. Y.	G. 9.00 F. 9.17	5.00 5.24	55.00 70.93	3.31	11.35	12.00 8.38	Corn meal, corn feed meal, hominy feed, wheat middlings, barley, oat meal mill by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}\%$ salt, wheat middlings may contain ground screenings not exceeding mill run.
Granite State Stock Feed L. C. and W. L. Hopkins Greenfield, N. H.	G. 9.00 F. 9.02	5.00 5.26	60.00 71.70	3.18	9.91	10.00 8.62	Hominy, wheat red dog, oat by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}\%$ salt.
Our Special Stock Feed F. C. and W. L. Hopkins Greenfield, N. H.	G. 7.50 F. 7.53	3.00 2.77	73.75	3.43	12.52	13.50 11.41	Corn or hominy meal, oat meal mill by-products, oat middlings, oat shorts, oat hulls, $\frac{1}{2}\%$ salt.
Stock Feed McQuesten and Lewis Manchester, N. H.	G. 9.00 F. 11.29	3.00 4.15	60.00 68.29	3.16		12.00 7.17	Corn, hominy, feed, linseed oil meal, barley, low grade wheat flour, wheat bran, wheat middlings, screenings not exceeding mill run, gluten meal, oat hulls, $\frac{3}{4}\%$ salt.
Merrimack Special Stock Feed Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. 8.00 F. 7.93	3.00 3.11	55.00 73.17	5.20	10.59	11.00 10.69	Corn meal, oats, oat meal mill by-products, oat middlings, oat shorts, oat hulls, $\frac{1}{2}\%$ salt.
Merrimack Stock Feed Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. 9.00 F. 9.39	4.00 4.93	55.00 70.03	6.17	9.48	11.00 9.57	White hominy, oats, oat meal mill by-products, oat middlings, oat shorts, oat hulls, $\frac{1}{2}\%$ salt.
Money Maker Park and Pollard Co. Boston, Mass.	G. 10.00 F. 10.33	5.00 5.99	50.00 60.57	10.69	11.92	12.00 12.53	Clipped oat by-product, molasses, grain screenings, cocoa shell meal, calcium carbonate, salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuff						Fiber Grade	Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist-	ure		
Richard White Diamond Stock Feed Quaker Oats Co., Chicago, Ill.	G.,	3.00	60.00				11.00	Corn, hominy feed, barley feed, oat meal mill by-products, oat middlings, oat hulls, oat shorts, 3/4 % salt.
	F.,	9.52	70.10	5.99	10.64		12.63	
Sugared Schumacher Feed Quaker Oats Co., Chicago, Ill.	G.,	10.00	70.00				12.00	Corn, hominy feed, barley meal, cottonseed meal, old process linseed meal, low grade wheat flour, wheat middlings, screenings not exceeding mill run, oat meal by-products, oat middlings, oat shorts, oat hulls, 3/4 % salt, 1% calcium carbonate, 1% bone meal, molasses.
	F.,	9.73	70.01	6.24	10.67		10.87	
Purina Bulky-Las Feed Ralston Purina Co., Inc., St. Louis, Mo.	G.,	9.00	62.00				15.00	Wheat bran, beet pulp, alfalfa, cane molasses, grain screenings, salt.
	F.,	10.34	67.60	6.92	13.68		13.03	
Purina O-Molene Feed Ralston Purina Co., Inc., St. Louis, Mo.	G.,	9.70	67.00				9.00	Corn, oats, molasses, linseed meal, ground alfalfa, 1% salt.
	F.,	10.01	68.32	3.68	13.86		6.56	
Charlestock Feed St. Albans Grain Co., St. Albans, Vt.	G.,	9.00	50.00				14.00	Oat feed, oat meal mill by-products, oat shorts, oat middlings, oat hulls, hominy or corn meal, linseed oil meal, salt.
	F.,	11.21	68.26	4.59	10.11		9.93	
Wirthmore Stock Feed St. Albans Grain Co., St. Albans, Vt.	G.,	9.00	70.00				9.50	Barley, oats, hominy meal, corn, oat meal mill by-products, oat middlings, oat shorts, oat hulls, dairy salt.
	F.,	10.05	70.99	4.31	9.44		7.42	
Stock Feed Stratton and Co., Concord, N. H.	G.,	7.50	66.00				14.13	Oat feed, oat middlings, oat shorts, corn bran, cracked corn siftings, yellow corn meal.
	F.,	8.01	73.77	3.37	10.90		12.61	
CORN MEAL								
Pure Ground Corn John W. Eshelman and Sons Lancaster, Pa.	G.,	8.00	65.00				4.00	
	F.,	9.31	68.36	1.78	15.61			

CORN AND OAT FEED									
Best Quality Corn and Oats Provender Caledonia Mills, Inc. St. Johnsbury, Vt.	G. 10.00 F. 10.37	4.00 4.02	65.00 67.57	2.36	15.63	7.50 5.84			
36% COTTONSEED MEAL									
Atlas Standard Cottonseed Meal E. T. Allen Co. Atlanta, Ga.	G. 36.00 F. 37.73	5.50 6.62	27.00 42.19	5.43	7.98	11.00		Upland cottonseed.	
Paranout Brand Good Cottonseed Meal Ashcraft-Wilkinson Co. Atlanta, Ga.	G. 36.00 F. 33.30	5.50 5.02	27.00 49.06	5.25	7.37	11.00			
Buckeye Good Cottonseed Meal Buckeye Cotton Oil Co. Cincinnati, O.	G. 36.00 F. 37.15	5.00 6.06	30.00 41.03	6.31	6.15	11.00			
Beauty Brand Cottonseed Feed S. P. Davis Little Rock, Ark.	G. 36.00 F. 36.07	6.00 6.32	44.00 43.28	5.19	8.84	11.00			
Danish Brand Cottonseed Feed Humphreys-Godwin Co. Memphis, Tenn.	G. 36.00 F. 34.24	5.00 5.58	25.00 47.41	4.89	7.83	15.00		Cottonseed meal, cottonseed hulls.	
Good Cottonseed Meal Marianna Sales Co. Memphis, Tenn.	G. 36.00 F. 37.32	5.00 5.86	23.50 43.73	5.67	7.42	14.00			
Durham Thirty-Six Cottonseed Meal Memphis Cottonseed Products Co. Memphis, Tenn.	G. 36.00 F. 36.32	5.00 6.38	23.50 40.19	5.20	11.91	11.00			
Triangle Brand Cottonseed Meal R. N. Neal and Co. Memphis, Tenn.	G. 36.00 F. 36.60	5.00 6.14	28.50 43.31	5.79	8.16	11.00			
Standard Brand Cottonseed Feed W. C. Northern Co. Memphis, Tenn.	G. 36.00 F. 35.90	5.00 5.44	43.86	4.94	9.86	12.00		Cottonseed meal, cottonseed hulls.	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
41% COTTONSEED MEAL							
Empire High Grade Cottonseed Meal E. T. Allen Co., Atlanta, Ga.	G, 41.12 F, 42.38	6.00 6.36	22.00 36.56	6.78	7.42	10.00	
Helmet Brand Prime Cottonseed Meal Ashcraft-Wilkinson Co., Atlanta, Ga.	G, 41.00 F, 42.97	6.00 7.78	26.00 31.27	7.20	7.78	10.00	
Goodluck Cottonseed Meal S. P. Davis Little Rock, Ark.	G, 41.00 F, 40.29	6.00 6.56	39.00 38.65	6.58	8.01	10.00	
Dixie Brand Choice Prime Cottonseed Meal Humphreys-Godwin Co., Memphis, Tenn.	G, 41.12 F, 39.87	5.00 7.19	26.00 39.70	6.43	6.81	10.00	Pressed cottonseed.
Prime Cottonseed Meal Marianna Sales Co., Memphis, Tenn.	G, 41.00 F, 41.20	6.00 8.13	26.00 34.90	6.71	9.03	10.00	
Bee Brand Cottonseed Meal W. C. Northern Co., Memphis, Tenn.	G, 41.00 F, 41.20	6.00 7.66	37.52	7.10	6.52	12.00	
43% COTTONSEED MEAL							
Monarch Brand Prime Cottonseed Meal Ashcraft-Wilkinson Co., Atlanta, Ga.	G, 43.00 F, 41.34	6.60 6.17	25.00 39.60	6.61	5.98	10.00	
Steer Box Brand Cottonseed Meal S. P. Davis Little Rock, Ark.	G, 43.00 F, 42.41	6.00 7.83	37.00 34.83	6.84	8.09	10.00	

Bull Brand Cottonseed Meal Humphreys-Gobwin Co. Memphis, Tenn.	G. 43.00 F. 43.61	5.00 5.88	26.00 37.32	6.41	6.78	10.00	Pressed cottonseed.
Zenith Brand 43% Cottonseed Meal International Agricultural Corp. Columbus, Ga.	G. 43.00 F. 42.73	5.00 6.36	30.00 36.59	6.28	7.44	11.00	
Lovit Brand 43% Cottonseed Meal L. B. Lovitt and Co. Memphis, Tenn.	G. 43.00 F. 44.25	6.00 7.01	36.00 35.97	6.61	6.16	10.00	
Prime Cottonseed Meal, White Mule Brand Marianna Sales Co. Memphis, Tenn.	G. 43.00 F. 42.78	6.00 6.29	25.00 36.60	5.57	9.36	10.00	
Durham Forty-Three Cottonseed Meal Memphis Cottonseed Products Co. Memphis, Tenn.	G. 43.00 F. 42.23	6.00 6.78	25.00 36.05	5.88	9.06	10.00	
Triangle Brand Cottonseed Meal R. N. Neal and Co. Memphis, Tenn.	G. 43.00 F. 44.43	6.00 6.48	25.00 37.04	6.64	8.11	10.00	
DAIRY FEED							
Bailey's Open Formula Dairy Feed E. W. Bailey and Co. Swanton, Vt.	G. 20.00 F. 21.51	4.50 5.11	48.00 54.09	7.68	11.58	9.00 9.17	Gluten feed, yellow hominy, old process oil meal, oats, wheat bran, cottonseed meal, corn distillers' grains, wheat middlings, cane molasses, bone meal, calcium carbonate, salt.
Bailey's Open Formula Dairy Feed E. W. Bailey and Co. Swanton, Vt.	G. 24.00 F. 28.26	4.50 6.18	44.00 47.17	7.80	10.29	9.00 9.30	Gluten feed, hominy feed, old process oil meal, oats, wheat bran, cottonseed meal, corn distillers' grains, wheat middlings, cane molasses, bone meal, calcium carbonate, salt.
Capital Dairy Ration E. W. Bailey and Co. Swanton, Vt.	G. 24.00 F. 26.25	5.00 5.78	55.00 53.17	4.98	9.82	9.00 8.15	Corn gluten feed, linseed oil meal, hominy feed, cottonseed meal, oats, wheat bran, corn meal, $\frac{1}{2}$ % salt.
Favorite Dairy Ration E. W. Bailey and Co. Swanton, Vt.	G. 20.00 F. 21.83	5.50 4.44	55.00 57.95	5.35	10.13	7.50 7.13	White hominy, cottonseed meal, corn gluten feed, linseed meal, corn meal, oats, wheat bran, wheat middlings.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
Our Own Dairy Ration E. W. Bailey and Co. Swanton, Vt.	G. 16.00 F. 16.37	5.00 5.16	60.00 63.47	4.59	10.41	9.00 8.12	Corn gluten feed, linseed oil meal, hominy feed, cottonseed meal, oats, wheat bran, $\frac{1}{2}\%$ salt.
Beacon Dairy Ration Beacon Milling Co., Inc. Cayuga, N. Y.	G. 24.00 F. 24.19	5.00 5.25	46.00 53.30	6.43	10.83	10.00 8.72	Cottonseed meal, old process linseed oil meal, corn gluten feed, coconut oil cake meal, barley, corn gluten meal, hominy feed, corn meal or corn feed meal, alfalfa meal, wheat bran, wheat middlings, 1% salt, calcium carbonate.
Belknap Dairy Feed Belknap County Farmers' Exchange Laconia, N. H.	G. 20.00 F. 21.32	5.00 4.42	55.00 57.54	6.43	10.29	12.00 10.64	Corn gluten feed, cottonseed meal, wheat bran, screenings, hominy, oat meal mill by-products, molasses, cocoa shell meal, brewers' grains, calcium carbonate, salt.
Cheshire County Farmers' Special Dairy Ration Caledonia Mills Inc. St. Johnsbury, Vt.	G. 23.00 F. 23.75	5.00 5.46	50.00 55.14	4.92	10.73	10.00 9.32	Cottonseed meal, wheat bran, oats, barley, gluten feed, hominy, oil meal, salt.
Unicorn Dairy Ration Chapin and Co. Hammond, Ind.	G. 24.00 F. 23.63	5.00 5.37	50.00 53.25	7.91	9.84	10.00 8.69	Cottonseed meal, corn gluten meal, linseed meal, corn gluten feed, brewers' grains, corn oil meal, wheat bran, hominy meal, calcium carbonate, salt.
Chase Dairy Ration Cheshire County Farmers' Exchange Keene, N. H.	G. 17.00 F. 17.73	4.50 4.51	50.00 59.25	4.53	13.98	9.00 6.97	Cottonseed meal, corn meal, wheat bran, oats, gluten feed, linseed meal, 1% salt.
Goweco 1925 Ration E. A. Gowee Co. Fitchburg, Mass.	G. 24.00 F. 23.49	4.50 5.17	45.00 53.70	7.22	10.12	10.00 9.27	Wheat bran, wheat middlings, oat middlings, corn meal, cottonseed meal, oat shorts, gluten feed, linseed meal, oat hulls, hominy, calcium carbonate, salt.
Goweco 1926 Ration E. A. Gowee Co. Fitchburg, Mass.	G. 21.00 F. 19.61	4.00 5.08	45.00 59.15	5.63	10.53	10.00 10.95	Corn meal, oat middlings, hominy, oat shorts, cottonseed meal, oat hulls, wheat bran, calcium carbonate, salt.

Grosby's Ready Ration Grosby Milling Co., Brattleboro, Vt.	G. 20.00 F. 19.88	5.00 4.85	50.00 58.78	4.46	12.03	10.00 7.49	Corn gluten feed, linseed oil meal, cottonseed meal, corn meal, wheat bran, wheat middlings, not exceeding mill run screenings, oats, 34% salt.
Champion Dairy Ration G. B. Carrier Co., Inc., Colebrook, N. H.	G. 24.00 F. 22.86	5.00 5.15	50.00 55.09	5.62	11.28	11.00 8.09	Bran, cottonseed meal, Buffalo gluten feed, diamond gluten meal, linseed oil meal, oats, corn meal or hominy, brewers' dried grains, distillers' grains, middlings, 34% salt, bone meal.
Brown's 20% All Grain Dairy Feed J. Cushing Co., Fitchburg, Mass.	G. 20.00 F. 20.40	6.00 4.86	50.00 58.70	6.12	9.92	10.00 8.79	Wheat bran, oats, hominy, gluten feed, linseed meal, cottonseed meal, salt, calcium carbonate.
Cushing's Open Formula 20% Dairy Feed J. Cushing Co., Fitchburg, Mass.	G. 20.00 F. 20.07	4.50 4.74	53.00 59.52	5.63	10.01	9.00 8.33	Hominy feed, wheat bran, middlings, oats, old process oil meal, corn gluten feed, cottonseed meal, brewers' dried grains, cane molasses, bone meal, calcium carbonate, salt.
Cushing's Open Formula 24% Dairy Feed J. Cushing Co., Fitchburg, Mass.	G. 24.00 F. 24.52	5.00 5.07	53.00 53.91	6.38	10.12	9.00 9.00	Corn gluten feed, hominy feed, old process oil meal, oats, wheat bran, cottonseed meal, brewers' dried grains, wheat middlings, cane molasses, bone meal, calcium carbonate, salt.
Dairy Feed J. Cushing Co., Fitchburg, Mass.	G. 20.00 F. 19.42	4.00 5.62	53.00 58.33	6.64	9.99	10.00 10.93	Wheat bran, cottonseed meal, corn gluten feed, coconut oil meal, cane molasses, corn gluten meal, wheat middlings, brewers' dried grains, old process oil meal, wheat screenings, alfalfa meal, 1/2 to 1/3 calcium carbonate, 1/2% salt.
Dairy Feed J. Cushing Co., Fitchburg, Mass.	G. 21.00 F. 22.16	4.00 5.65	53.00 56.78	6.67	9.34	10.00 11.07	Wheat bran, cottonseed meal, coconut oil meal, wheat middlings, cane molasses, corn gluten feed, corn gluten meal, brewers' dried grains, old process oil meal, wheat screenings, alfalfa meal, 1/2% calcium carbonate, 1/2% salt.
Vigor Dairy Feed J. Cushing Co., Fitchburg, Mass.	G. 16.00 F. 16.61	3.00 3.66	45.00 60.01	6.48	11.24	10.00 10.49	Cottonseed meal, coconut oil meal, cane molasses, corn gluten feed, brewers' dried grains, old process oil meal, old middlings, oat hulls, oat shorts, oat meal mill by-products, wheat screenings, 1/2% calcium carbonate, 1/2% salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuff					Certified by manufacturer to contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
Wood's Dairy Feed Derry Farmers' Exchange Derry, N. H.	G. 20.00	1.40	55.00	1.32	10.69	10.00
	F. 22.84	4.80	57.35			9.18
Eastern's 20% Dairy Feed Eastern Grain Co., Portland, Maine	G. 20.00	4.00	53.00	6.94	10.01	11.00
	F. 22.39	5.31	55.32			9.31
Eastern's 21% Dairy Feed Eastern Grain Co., Portland, Me.	G. 21.00	4.00	53.00	5.51	10.03	11.00
	F. 24.47	5.12	54.87			9.33
Eastern States Fitting Ration Open Formula Eastern States Farmers' Exchange Springfield, Mass.	G. 12.00	3.50	64.00	6.74	12.44	7.00
	F. 14.60	3.81	62.11			6.33
Eastern States Fulbail Open Formula Dairy Ration Eastern States Farmers' Exchange Springfield, Mass.	G. 20.00	4.00	54.00	7.46	10.51	8.00
	F. 20.81	4.85	56.31			7.19
Eastern States Milkmore Open Formula Dairy Ration Eastern States Farmers' Exchange Springfield, Mass.	G. 24.00	4.50	54.00	8.51	10.32	8.00
	F. 23.87	5.36	51.91			7.13

Gluten, cottonseed meal, linseed oil meal, oats, corn meal, wheat bran, wheat middlings, ground screenings not exceeding mill run, $\frac{1}{2}\%$ salt.

Wheat bran, corn gluten feed, wheat middlings, dried brewers' grains, molasses, cottonseed meal, cocconut oil meal, old process oil meal, screenings from wheat, $\frac{1}{2}\%$ calcium carbonate, $\frac{1}{2}\%$ salt.

Wheat bran, wheat middlings, corn gluten feed, dried brewers' grains, cocconut oil meal, cottonseed meal, old process oil meal, molasses, screenings from wheat, $\frac{1}{2}\%$ calcium carbonate, $\frac{1}{2}\%$ salt.

Wheat bran, oats, corn meal, hominy, old process linseed oil meal, molasses, wheat middlings, bone meal, calcium carbonate, salt.

Corn gluten feed, hominy, old process oil meal, oats, wheat bran, cottonseed meal, distillers' dried grains, wheat middlings, molasses, bone meal, calcium carbonate, salt.

Corn gluten feed, old process linseed oil meal, cottonseed meal, yellow hominy, corn, distillers' dried grains, wheat bran, wheat middlings, oats, molasses, bone meal, salt, calcium carbonate.

Eastern States 32% Supplement Feed Eastern States Farmers' Exchange Springfield, Mass.	G.	32.00	5.00	43.00	7.83	9.72	8.00	Corn, gluten meal, cottonseed meal, old process linseed oil meal, wheat bran, corn distillers' dried grains, molasses, bone meal, calcium carbonate, salt.
	F.	31.84	4.94	45.67			7.53	
Elmore Milk Grains Elmore Milling Co., Inc. Onondaga, N. Y.	G.	25.00	5.00	51.47	5.46	9.63	11.00	Corn distillers' dried grains, wheat bran, old process oil meal, corn meal or hominy feed, barley, malt sprouts, corn gluten feed, cottonseed meal, dried brewers' grains, calcium carbonate, salt.
	F.	25.22	5.22				10.86	
Eshelman, Lancaster 20% Dairy Feed John W. Eshelman and Sons Lancaster, Pa.	G.	20.00	4.00	53.00	6.88	10.82	11.00	Wheat bran, wheat middlings, molasses, cocca-nut oil meal, corn gluten feed, dried brewers' grains, cottonseed meal, old process oil meal, screenings from wheat, $\frac{1}{2}$ % calcium carbonate, $\frac{1}{2}$ % salt.
	F.	21.67	5.33	55.30			11.23	
Eshelman's Red Rose Dairy Feed John W. Eshelman and Sons Lancaster, Pa.	G.	24.00	4.00	53.00	6.53	10.42	11.00	Wheat bran, wheat middlings, corn gluten feed, dried brewers' grains, cocca-nut oil meal, cottonseed meal, old process oil meal, molasses, grain screenings from wheat, $\frac{1}{2}$ % calcium carbonate, $\frac{1}{2}$ % salt.
	F.	23.78	4.98	54.29			10.53	
Grandin's Twin Six Dairy Feed D. H. Grandin Milling Co. Jamestown, N. Y.	G.	22.00	5.00	50.00	5.23	10.62	12.00	Linseed oil meal, cottonseed meal, cocca-nut oil meal, corn gluten feed, corn meal, corn feed meal, hominy feed, alfalfa meal, $\frac{1}{2}$ % salt, wheat bran, wheat middlings, screenings not exceeding mill run.
	F.	22.33	4.58	57.49			8.66	
Grandin's Milk Maker D. H. Grandin Milling Co. Jamestown, N. Y.	G.	20.00	5.00	50.00	5.26	10.81	12.00	Linseed oil meal, cottonseed meal, cocca-nut oil meal, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, beet pulp, $\frac{1}{2}$ % salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.
	F.	21.04	5.18	57.38			8.71	
Our New 1926 Dairy Feed H. G. Holton Co. Lancaster, N. H.	G.	22.00	5.00	54.00	5.40	13.12	8.50	Bean, cottonseed meal, gluten feed, gluten meal, linseed oil meal, corn meal, oats, bulky-las, salt.
	F.	20.66	4.39	56.19			8.26	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	
Money Maker Sweetened Dairy Feed E. C. and W. L. Hopkins Greenfield, N. H.	G. 20.00	5.00	50.00	6.23	9.54	12.00
	F. 21.39	4.82	58.02			10.31
24% Premium Ration E. C. and W. L. Hopkins Greenfield, N. H.	G. 24.00	6.00	50.00	6.19	9.83	9.00
	F. 25.24	5.00	53.74			8.97
International Special Dairy Feed International Sugar Feed Co. Minneapolis, Minn.	G. 15.00	4.50	47.00	8.61	10.96	12.00
	F. 16.32	7.64	56.47			10.45
Beatsall Milk Grains Kasco Mills Inc. Waverly, N. Y.	G. 22.00	4.50	55.91	6.24	10.47	10.00
	F. 22.44	4.94	55.91			8.63
Larro, The Ready Ration Larowe Milling Co. Detroit, Mich.	G. 20.00	4.00	58.00	5.83	11.21	12.00
	F. 21.14	4.10	57.72			11.50
Bull Brand Dairy Ration Maritime Milling Co. Buffalo, N. Y.	G. 21.00	6.00	51.18	3.54	10.82	12.00
	F. 24.56	4.90				10.08
Merrimack Dairy Ration Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. 20.00	5.00	50.00	7.12	10.75	10.00
	F. 20.11	4.68	57.34			8.52

Noyes' Dairy Feed D. A. Noyes and Son Colebrook, N. H.	G.	23.00	5.00	56.00	6.71	11.07	9.00	Cottonseed meal, old process linseed meal, white hominy feed or corn meal, oats, bran, gluten, 1% salt, calcium carbonate, bone meal.
	F.	22.49	4.55	55.18			7.30	
Bet-R-Milk Ration, Park and Pollard Co. Boston, Mass.	G.	20.00	5.00	40.00	9.38	9.65	10.00	Distillers' dried grains, old process linseed oil meal, cottonseed meal, hominy feed, grain screenings, fish, wheat bran, oats, molasses, calcium carbonate, salt.
	F.	19.92	3.67	57.18			8.77	
Herdhealth Ration Park and Pollard Co. Boston, Mass.	G.	16.00	6.00	50.00	10.57	11.89	12.00	Linseed oil meal, cottonseed meal, grain screenings, alfalfa, fish, molasses, calcium carbonate, salt.
	F.	15.59	4.00	57.95			9.61	
Milk Maid 24% Dairy Ration Park and Pollard Co. Boston, Mass.	G.	24.00	5.00	45.00	8.36	9.37	11.00	Corn distillers' grains, old process linseed oil meal, cottonseed meal, gluten feed, wheat bran, wheat middlings, mill run screenings, oats, corn meal, calcium carbonate, salt.
	F.	21.19	4.57	53.51			12.34	
Stevens' 41 Dairy Ration Park and Pollard Co. Boston, Mass.	G.	24.00	5.00	40.00	7.96	10.54	12.00	Linseed oil meal, cottonseed meal, corn gluten feed, coconut oil meal, pea meal, corn distillers' dried grains, brewers' dried grains, corn meal, calcium carbonate, salt, wheat bran, mill run screenings.
	F.	24.61	5.08	51.81			10.16	
Stevens' 41 Sweetened Dairy Ration Park and Pollard Co. Boston, Mass.	G.	24.00	5.00	40.00	7.96	9.41	12.00	Linseed oil meal, cottonseed meal, coconut oil meal, corn gluten feed, pea meal, corn distillers' dried grains, brewers' dried grains, wheat bran, mill run screenings, corn meal, oats, barley, molasses, calcium carbonate, salt.
	F.	25.92	4.88	51.83			3.67	
Peel's Dairy Feed William F. Peel Nashua, N. H.	G.	20.00	5.00	55.00	6.46	10.83	12.00	Corn, gluten feed, cottonseed meal, old process linseed meal, wheat bran, screenings, hominy, oat meal, by-products, molasses, cocoshell meal, brewers' grains, calcium carbonate, salt.
	F.	20.71	4.87	57.13			10.55	
Pike and Gale Dairy Feed Pike and Gale Littleton, N. H.	G.	20.00	5.00	45.00	8.72	11.54	12.00	Linseed oil meal, cottonseed meal, corn gluten feed, coconut oil meal, pea meal, corn distillers' dried grains, wheat bran, corn meal, grain screenings, alfalfa, fish, molasses, calcium carbonate, salt.
	F.	19.90	5.07	54.77			10.31	
Pillsbury's 20% Dairy Ration Pillsbury Flour Mills Co. Minneapolis, Minn.	G.	20.00	5.00	55.98	7.79	10.34	10.00	Linseed oil meal, corn gluten feed, cottonseed meal, hominy feed, wheat bran, dried beet pulp, wheat middlings, calcium carbonate, salt.
	F.	20.78	5.11				8.32	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Staffs						Grubbed by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
A. D. P. 20% Dairy Ration W. N. Potter and Sons, Inc. Greenfield, Mass.	G. 20.00	4.00	50.00	7.15	9.95	10.00	Corn, hominy, cottonseed meal, corn gluten feed, wheat bran, oats, linseed oil meal, calcium carbonate, bone meal, salt.
	F. 20.99	4.51	57.37			8.98	
A. D. P. 21% Dairy Ration W. N. Potter and Sons, Inc. Greenfield, Mass.	G. 21.00	4.00	52.00	6.42	10.98	10.00	Corn, hominy, cottonseed meal, wheat bran, corn gluten meal, oats, oil meal, calcium carbonate, bone meal, salt.
	F. 25.92	4.29	52.39			6.61	
Big O Dairy Ration Quaker Oats Co. Chicago, Ill.	G. 20.00	3.25	57.00	8.70	10.71	12.00	Hominy feed, yellow hominy feed, barley meal, cottonseed meal, corn gluten feed, old process linseed meal, wheat bran, wheat middlings, ground screenings not exceeding mill run, oat meal mill by-products, oat middlings, oat hulls, oat shorts, 3 1/2% salt, 1% calcium carbonate, 1% bone meal, molasses.
	F. 22.57	4.17	53.82			10.60	
Boss Dairy Ration 21% Quaker Oats Co. Chicago, Ill.	G. 21.00	4.00	55.50	7.59	10.70	10.50	Hominy feed, cottonseed meal, old process linseed meal, corn gluten feed, wheat bran, wheat middlings, ground screenings not ex- ceeding mill run, oat meal mill by-products, oat middlings, oat hulls, 1% calcium carbonate, 1% bone meal, molasses, 3 1/2% salt.
	F. 24.00	4.63	53.08			8.43	
Quaker 16 1/2% Dairy Feed with Molasses Quaker Oats Co. Chicago, Ill.	G. 16.00	4.00	59.50	8.08	10.36	13.50	Cottonseed meal, linseed oil meal, hominy feed, oat feed, wheat bran, wheat middlings, grain screenings, 1% calcium carbonate, 3 1/2% salt, 1% bone meal, molasses.
	F. 14.82	4.27	62.47			14.91	
Purina 21% Cow Chow Ralston Purina Co., Inc. St. Louis, Mo.	G. 21.00	4.00	53.00	6.83	10.29	12.00	Linseed meal, gluten feed, hominy feed, corn feed meal, wheat middlings, cottonseed meal, molasses, ground alfalfa, 1% salt.
	F. 24.61	3.89	51.33			10.06	
Dairy Feed with Beet Pulp St. Albans Grain Co. St. Albans, Vt.	G. 21.00	4.00	55.00	5.36	9.96	12.50	Beet pulp, corn gluten feed, cottonseed meal, old process linseed oil meal, wheat bran, wheat middlings, corn meal, salt.
	F. 22.90	4.39	56.79			10.47	

Paragon Dairy Feed St. Albans Grain Co. St. Albans, Vt.	G.	22.00	4.00	50.00	6.83	9.16	12.00	Cottonseed meal, linseed meal, diamond corn gluten meal, corn gluten feed, corn meal, oat meal mill by-products, oat middlings, oat shorts, oat hulls, wheat bran, wheat middlings not exceeding mill run of screenings, bone meal, salt.
	F.	22.77	4.51	56.73			12.00	
Wirthmore Balanced Ration St. Albans Grain Co. St. Albans, Vt.	G.	25.00	5.50	55.00	6.52	10.64	9.00	Diamond corn gluten meal, corn distillers' dried grains, old process linseed meal, corn gluten feed, brewers' dried grains, cottonseed meal, wheat middlings, hominy meal, corn meal, wheat bran, bone meal, dairy salt.
	F.	25.00	5.27	52.63			7.91	
Wirthmore 20% Dairy Feed St. Albans Grain Co. St. Albans, Vt.	G.	20.00	5.00	59.00	5.80	10.59	9.00	Corn gluten meal, corn gluten feed, corn dis- tillers' dried grains, brewers' dried grains, old process linseed meal, cottonseed meal, hominy meal, corn meal, oats, wheat middlings, wheat bran, bone meal, dairy salt.
	F.	20.93	4.89	57.83			7.89	
Wirthmore 16% Summer Ration St. Albans Grain Co. St. Albans, Vt.	G.	16.00	1.00	60.00	7.60	11.35	8.00	Diamond corn gluten meal, corn gluten feed, corn meal, hominy meal, cottonseed meal, oats, wheat bran, wheat middlings, bone meal, cal- cium carbonate, salt.
	F.	17.52	3.33	59.76			7.93	
S-Co, Quality Dairy Ration F. S. Sleeper and Co., North Havenhill, N. H.	G.	22.00	1.50	55.00	5.96	10.81	9.00	Corn gluten feed, cottonseed meal; old pro- cess oil meal, oats, corn, wheat bran, bone meal, salt.
	F.	23.19	5.03	51.71			8.98	
F. S. Co, Dairy Feed Frank Smith Co., Lancaster, N. H.	G.	21.00	1.00	45.00	5.32	11.11	9.00	Wheat feed, corn meal, oats, old process lin- seed oil meal, Buffalo gluten, cottonseed meal, diamond gluten, molasses, calcium carbonate.
	F.	23.29	4.21	55.77			6.38	
White Clover Dairy Feed Stratton and Co., Concord, N. H.	G.	21.00	1.50	41.00	7.59	10.32	9.00	Gluten feed, hominy feed, old process oil meal, oats, wheat bran, cottonseed meal, corn dis- tillers' grains, wheat middlings, cane molasses, bone meal, calcium carbonate, salt.
	F.	21.93	5.71	51.42			8.86	
Union Grains Bites Ready Dairy Ration Uchko Milling Co., Cincinnati, O.	G.	21.00	5.00	50.00	6.46	8.73	10.00	Corn distillers' dried grains, cottonseed meal, old process linseed meal, white wheat mid- dlings, winter wheat bran, hominy meal, corn gluten feed, brewers' dried grains, $\frac{1}{2}$ % salt.
	F.	21.15	5.13	55.23			9.19	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by manufacturer to contain
	Protein	Fat	Carbo- by- drates	Ash	Moist- ure	
Blue Seal Improved Balanced Ration H. K. Webster Co., Lawrence, Mass.	G. 24.00	6.00	48.00	5.19	11.27	Gluten meal, hominy feed, old process oil meal, oats, wheat bran, cottonseed meal, corn distillers' grains, malt sprouts, peanut middlings, cane molasses, Oregon mineral mixture.
	F. 24.15	4.96	54.43			
Blue Seal Open Formula Dairy Feed H. K. Webster Co., Lawrence, Mass.	G. 21.00	4.50	41.00	5.76	10.81	Gluten feed, hominy feed, old process linseed oil meal, oats, wheat bran, cottonseed meal, corn distillers' grains, wheat middlings, cane molasses, steamed bone meal, calcium carbonate, salt.
	F. 23.17	4.57	55.66			
Rockingham Dairy Ration H. K. Webster Co., Lawrence, Mass.	G. 21.00	5.50	51.00	6.09	9.38	Oats, old process oil meal, gluten feed, bran, cottonseed meal, corn meal, calcium carbonate, salt.
	F. 22.14	4.29	58.10			
XL Dairy Ration H. K. Webster Co., Lawrence, Mass.	G. 22.00	5.50	55.00	5.82	8.82	Gluten meal, old process oil meal, cottonseed meal, malt sprouts, bran, oat feed, peanut middlings, cane molasses, wheat feed, minerals.
	F. 22.93	5.53	56.90			
Zieve's Dairy Feed H. Zieve Manchester, N. H.	G. 30.00	5.00	55.00	6.15	10.22	Corn gluten feed, cottonseed meal, old process linseed meal, wheat bran with screenings, hominy, oat meal by-products, molasses, cocoa shell meal, oats, brewers' grains, calcium carbonate, salt.
	F. 19.55	4.83	59.25			
DISTILLERS' DRIED GRAINS Corn Distillers' Dried Grains Canadian Industrial Alcohol Co., Ltd., Corbyville, Ont.	G. 28.00	5.50	47.03	1.52	17.49	11.00
	F. 25.66	8.30				
GLUTEN FEED Cream of Corn Gluten Feed American Maize Products Co., New York City	G. 23.00	2.00	61.13	3.49	7.68	8.50
	F. 23.82	3.88				

Clinton Corn Gluten Feed	G.	23.00	2.00	57.00	3.97	9.84	8.50	
Clinton Corn Syrup Refining Co. Clinton, Iowa	F.	23.21	3.00	59.98				
Buffalo Corn Gluten Feed	G.	23.00	2.00	57.00		8.64	8.50	Corn gluten feed.
Corn Products Refining Co., New York City	F.	25.39	2.77	56.90	6.30			
Jenk's Corn Gluten Feed	G.	22.00	3.00	63.28	1.92	8.22	8.00	Corn starch by-products, corn bran.
Huron Milling Co., Harbor Beach, Mich.	F.	22.38	4.20					
Staley's Corn Gluten Feed	G.	23.00	1.00	50.00		8.52	8.00	
A. E. Staley Mfg. Co., Decatur, Ill.	F.	25.37	2.58	58.37	5.46			
Union Corn Gluten Feed	G.	23.00	2.00	54.33		10.09	8.00	
Union Starch and Refining Co., Columbus, Ind.	F.	26.53	2.46		6.59			
GLUTEN MEAL								
Diamond Corn Gluten Meal	G.	10.00	1.00	42.00			1.00	
Corn Products Refining Co., New York City	F.	11.59	3.05	44.74	1.14	9.19	--	
Douglas Corn Gluten Meal	G.	40.00	1.00	44.00		7.86	1.00	
Penick and Ford, Ltd., Inc., Cedar Rapids, Iowa	F.	39.47	2.09	46.99	3.59			
HOG FEED								
Elmore Makemgrow Lattle Pig Ration	G.	13.00	4.50				7.00	Wheat middlings, corn feed meal or hominy feed, old process oil meal, red dog wheat flour, middlings, tankage, salt.
Elmore Milling Co., Inc., Oneonta, N. Y.	F.	17.01	4.88	60.19	5.51	12.39	7.00	
Larro Hog Feed	G.	13.00	5.00				10.00	Corn germ meal, linseed oil meal, hominy feed, digester tankage, alfalfa meal, wheat middlings, wheat bran, dried beet pulp, $\frac{1}{2}$ % salt.
Larroe Milling Co., Detroit, Mich.	F.	13.26	5.26	59.59	6.17	10.72	8.25	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by manufacturer to contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
Wirthmore Pig Feed St. Albans Grain Co., St. Albans, Vt.	B. 17.00	4.00	50.00	9.16	10.97	9.09
	F. 17.80	5.36	56.71			6.63
HOMINY FEED	C. 10.00	7.00		2.73	10.77	6.00
	F. 10.75	7.79	67.96			
Homino Hominy Feed Decatur Milling Co., Decatur, Ill.	G. 10.00	7.00		2.19	10.91	6.00
	F. 10.08	6.33	76.46			
B. C. White Hominy Feed Kellogg Co., Battle Creek, Mich.	G. 10.00	6.00	55.00	2.61	12.01	5.00
	F. 9.39	4.72	71.84			
Bafresco Hominy Feed Maple-Flake Mills, Inc., Chicago, Ill.	G. 10.00	5.00		2.36	11.61	6.00
	F. 10.83	5.38	69.79			
Choice Steam Cooked Hominy Feed Miner-Hillard Milling Co., Wilkes-Barre, Pa.	G. 10.00	4.00	60.00	2.24	11.11	5.00
	F. 10.39	5.13	71.10			
Poco Hominy Feed Mount Vernon Milling Co., Mt. Vernon, Ind.	G. 10.00	7.00		2.66	9.11	6.00
	F. 10.33	8.15	69.75			
Hominy Feed Patent Cereals Co., Geneva, N. Y.	G. 10.00	5.00	60.00	2.40	11.13	5.00
	F. 10.92	5.46	70.09			

Tankage, beef scraps, bone meal, wheat middlings, wheat bran, not exceeding mill run screenings, linseed meal, alfalfa, hominy meal, corn meal, barley, corn gluten feed, calcium carbonate, dairy salt.

White corn.

Hominy feed with corn screenings added and part of germ removed.

Burt's Hominy Feed Postum Cereal Co., Inc. Battle Creek, Mich.	G. 10.00 F. 10.34	6.00 5.88	60.00 69.51	2.23	11.54	5.00	White corn.
Paragon Hominy Feed St. Albans Grain Co. St. Albans, Vt.	G. 10.00 F. 11.01	6.00 5.68	60.00 68.21	3.56	11.54	7.00	
Yellow Hominy Feed David Stott Four Mills, Inc. Detroit, Mich.	G. 9.50 F. 9.64	5.50 5.57	71.39	1.88	11.52	7.50	
HORSE FEED							
Beacon Special Horse Feed Beacon Milling Co., Inc. Cavata, N. Y.	G. 11.50 F. 10.94	3.00 3.68	65.00 69.35	2.56	13.67	5.00 5.10	Oats, corn, barley, old process linseed oil meal, wheat bran, 1% salt, 1% proteozone.
Horse Feed J. Cushing Co. Fitchburg, Mass.	G. 8.00 F. 9.64	2.00 3.30	50.00 69.90	2.89	13.77	9.00 5.71	Corn, oats, wheat bran, cane molasses, 1/2% salt.
Steam Cooked Horse Feed J. Cushing Co. Fitchburg, Mass.	G. 9.00 F. 9.91	4.00 4.00	50.00 55.67	1.98	8.41	4.00 1.99	Corn, oats.
Eastern States Horse Feed Open Formula Eastern States Farmers' Exchange Springfield, Mass.	G. 12.00 F. 11.71	4.00 3.64	67.00 66.77	4.36	13.02	9.00 5.47	Corn, oats, wheat bran, old process linseed oil meal, molasses, salt.
Elmore Horse Feed with Molasses Elmore Milling Co. Oranget, N. Y.	G. 9.00 F. 8.73	2.50 2.63	73.75	3.13	12.36	11.00 9.24	Corn, oats, alfalfa meal, molasses, 1/2% salt.
Eshelman's Lancaster 60 Horse Feed John W. Eshelman and Sons Lancaster, Pa.	G. 9.00 F. 8.93	2.50 3.21	50.00 69.46	4.00	14.37	10.00 9.34	Corn, oats, molasses, alfalfa meal, 1/2% salt.
Eshelman's Red Rose Horse Feed John W. Eshelman and Sons Lancaster, Pa.	G. 9.00 F. 9.30	3.00 3.36	50.00 69.22	2.96	14.76	10.00 5.32	Corn, oats, molasses, alfalfa meal, 1/2% salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	ure Moist-	Fiber Crude	
Blue Seal Horse Feed H. K. Webster Co. Lawrence, Mass.	G. 11.00	5.00	60.00	3.34	11.81	8.00	Oats, barley, hominy feed, corn, linseed meal, bran, cane molasses, salt.
	F. 11.42	3.93	69.50			5.17	
LINSEED MEAL							
Amco Old Process Linseed Meal American Milling Co. Peoria, Ill.	G. 30.00	5.00	30.00	5.88	9.48	10.00	
	F. 31.74	6.34	46.56				
Pure Old Process Linseed Meal Archer-Daniels Midland Co. Minneapolis, Minn.	G. 32.00	5.00	45.00	6.22	9.79	9.00	
	F. 33.15	5.84	45.00				
Pure Old Process Linseed Meal Archer-Daniels Midland Co. Minneapolis, Minn.	G. 31.00	5.00	45.00	5.00	9.12	9.00	
	F. 33.47	4.73	46.60	6.08			
Maple Leaf Oil Cake Meal Canada Linseed Oil Mills, Ltd., Montreal, Canada.	G. 35.00	5.00		4.65	11.26	7.00	
	F. 35.42	5.37	43.30				
Linseed Oil Meal, Pure Old Process Kellogg and Miller Amsterdam, N. Y.	G. 30.00	5.00	37.00	5.71	9.53	9.00	
	F. 33.47	6.37	41.92				
Linseed Meal 34% Protein Pure Old Process Mann Bros. Co., Buffalo, N. Y.	G. 31.00	6.00	35.00	4.51	13.41	10.00	
	F. 33.06	7.00	42.02				
Linseed Meal, Pure Old Process Mann Bros. Co., Buffalo, N. Y.	G. 31.00	6.00	35.00	5.46	12.01	10.00	
	F. 31.53	7.14	43.86				

Canadian Bluebell Linsseed Oil Meal M. A. W. Overend Co. Toronto, Canada.	G. 32.00 F. 31.41	6.50 6.01	45.81	6.18	9.90	3.00
Kelloggs Linsseed Meal, Pure Old Process Spencer Kellogg and Sons, Inc. Buffalo, N. Y.	G. 34.00 F. 31.00	5.00 6.71	45.00 43.39	5.51	10.36	10.00
MEAT AND BONE SCRAP						
Capital Meat and Bone Scraps American Agricultural Chemical Co. New York City.	G. 45.00 F. 50.09	6.00 8.92		28.74	8.84	Meat and bone scraps.
Protax Meat and Bone Scraps American Agricultural Chemical Co. New York City.	G. 55.00 F. 55.41	6.00 10.90		23.34	7.63	3.00
Beach's Superior Beef Scraps Beach Soap Co. Lawrence, Mass.	G. 50.00 F. 50.33	15.00 10.76		32.08	5.76	
Star Brand Pure Ground Beef Scraps Beach Soap Co. Lawrence, Mass.	G. 45.00 F. 42.33	10.00 13.83		33.41	6.30	
Burlington Meat and Bone Scraps Burlington Rendering Co. Burlington, Vt.	G. 45.00 F. 45.41	8.00 12.34		31.46	7.37	
Daw's 50% Beef Scraps John C. Daw Co. Boston, Mass.	G. 50.00 F. 52.26	10.00 13.93		23.41	5.87	
Daw's 60% Beef Scraps John C. Daw Co. Boston, Mass.	G. 60.00 F. 60.76	10.00 16.59		12.40	8.36	Meat scraps.
Daw's Ground Beef Scraps John C. Daw Co. Boston, Mass.	G. 45.00 F. 47.81	12.00 14.11		24.41	6.87	Meat scraps.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
Greene's Poultry Food Greene Chick Feed Co. Marblehead, Mass.	G. 30.00 F. 31.46	5.00 16.17	---	37.74	6.68	2.46	
Meat and Bone scraps W. D. Higgins Co. Frammingham, Mass.	G. 50.00 F. 49.39	15.00 13.88	---	28.20	5.84	---	
Red Star Brand Fish Scraps International Glue Co. Boston, Mass.	G. 45.00 F. 45.48	2.00 1.74	---	41.89	7.58	1.00	
Peerless Poultry Feed Lowell Rendering Co. Lowell, Mass.	G. 45.00 F. 45.68	8.00 8.29	---	34.24	8.86	---	Meat and bone scraps.
Perfection Poultry Feed Lowell Rendering Co. Lowell, Mass.	G. 55.00 F. 55.00	8.00 9.46	---	26.09	8.06	---	Meat and bone scraps.
Manchester Poultry Feed Manchester Rendering Co. Manchester, N. H.	G. 45.00 F. 17.79	8.00 10.53	---	32.67	5.68	---	Meat and bone scraps.
Manchester Special Poultry Feed Manchester Rendering Co. Manchester, N. H.	G. 50.00 F. 50.00	8.00 9.53	---	30.90	6.75	---	Meat and bone scraps.
Marsh's Diamond Special Pure Ground Scraps George E. Marsh Co. Lynn, Mass.	G. 50.00 F. 51.09	10.00 12.79	---	22.50	7.05	---	
Marsh's Pure Ground Scraps George E. Marsh Co. Lynn, Mass.	G. 40.00 F. 43.49	8.00 11.78	---	31.19	5.92	---	Meat and bone scraps.

Brighton Meat Scraps New England Rendering Co. Brighton, Mass.	G. F.	60.00 59.31	10.00 10.30	---	---	18.91	5.56	3.00	Meat products.
White Seal Meat Scraps New England By-Products Corp. Lawrence, Mass.	G. F.	40.00 39.41	5.00 12.27	---	---	38.15	7.68	4.00	
Norton's High Grade Meat and Bone Poul- try Food Norton Tallow Co. Somerville, Mass.	G. F.	45.00 45.00	8.00 10.89	---	---	31.29	6.41	---	
Portland Poultry Feed Portland Rendering Co. Portland, Me.	G. F.	50.00 38.47	12.00 10.44	---	---	38.35	6.88	---	Meat and bone scraps.
Reardon's Beef Scraps John Reardon and Sons Co. Cambridge, Mass.	G. F.	36.00 34.74	8.00 7.28	---	---	18.42	8.78	---	
Reardon's Meat Scraps John Reardon and Sons Co. Cambridge, Mass.	G. F.	45.00 43.57	6.00 9.83	---	---	35.39	7.50	---	
Reardon's Meat Scraps John Reardon and Sons Co. Cambridge, Mass.	G. F.	55.00 51.60	6.00 8.77	---	---	31.03	7.39	---	
Pure Ground Fish Meal Charles M. Struven and Co. Baltimore, Md.	G. F.	55.00 56.52	4.00 12.17	---	---	19.18	8.01	2.00	
OAT PRODUCTS									
Re-Grind Oat Feed Hecker H-O Co., Inc. Buffalo, N. Y.	G. F.	5.00 6.38	2.00 2.53	---	78.13	6.39	6.57	28.00	Oat middlings, oat shorts, oat hulls.
Kellogg Oat Middlings Kellogg Co. Davenport, Ia.	G. F.	14.00 14.63	5.00 5.91	65.00 69.00	---	1.93	7.63	4.00	Oat groats.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by manufacturer to contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
Gold Medal Fine Ground Feeding Oatmeal Northern Illinois Cereal Co. Lockport, N. Y.	G. 16.00	7.00	66.17	2.56	8.26	3.60
	F. 15.72	7.29				
POULTRY FEED						
Chase Growing Mash George B. Brown Ipswich, Mass.	G. 15.00	5.00	50.00	8.43	10.76	9.00
	F. 16.21	6.09	58.51			7.29
Chase Laying Mash George B. Brown Ipswich, Mass.	G. 19.00	5.00	48.00	9.26	9.91	8.00
	F. 20.44	6.12	54.27			6.84
Beacon Broiler Feed Beacon Milling Co., Inc. Cayuga, N. Y.	G. 16.00	4.00	55.00	5.74	12.50	6.00
	F. 16.18	4.97	60.61			4.22
Beacon Egg Mash Beacon Milling Co., Inc. Cayuga, N. Y.	G. 22.00	4.50	47.00	9.13	11.07	7.00
	F. 22.66	5.30	51.84			5.78
Beacon Fatting Mash Beacon Milling Co., Inc. Cayuga, N. Y.	G. 14.00	4.50	62.53	5.12	12.11	6.00
	F. 14.76	5.43				5.03
Beacon Growing Mash Beacon Milling Co., Inc. Cayuga, N. Y.	G. 17.00	4.50	57.01	9.00	11.92	7.00
	F. 17.41	4.63				5.54

Corn feed meal, oat meal, wheat bran, wheat middlings, meat scraps, bone meal, charcoal, salt.

Corn feed meal, oat meal, wheat bran, wheat middlings, meat scraps, corn gluten feed.

Powdered skin milk, meat scraps, corn meal, wheat, cracked corn, oats, barley, wheat bran, old process linseed oil meal, wheat red dog, $\frac{1}{2}\%$ salt, 1% proteozyme.

Powdered buttermilk, meat scraps, bone meal, fish meal, corn gluten meal, oats, barley, alfalfa leaf meal, corn meal, wheat bran, wheat middlings, 1% calcium carbonate, $\frac{1}{2}\%$ salt, 1% proteozyme.

Dried buttermilk, meat scraps, corn meal, oats, wheat red dog, $\frac{1}{2}\%$ salt, $\frac{1}{2}\%$ calcium phosphate, 2 $\frac{1}{2}\%$ proteozyme.

Powdered buttermilk, meat and bone scraps, bone meal, old process linseed oil meal, oats, barley, hominy feed, alfalfa leaf meal, wheat red dog, wheat bran, wheat middlings, 1% calcium phosphate, 2% proteozyme, $\frac{1}{2}\%$ salt.

Beacon Starling Mash Beacon Milling Co., Inc. Calygo, N. Y.	G. F.	14.00 16.48	4.50 4.70	50.00 56.95	8.18	11.69	6.00 5.18	Powdered buttermilk, bone meal, hominy feed, corn meal, oats, wheat, alfalfa leaf meal, wheat bran, wheat middlings, 1% calcium carbonate, $\frac{1}{2}$ % salt, 3% protozyme.
Bidwell Dry Mash Black Rock Milling Corp. Black Rock, N. Y.	G. F.	18.00 17.56	1.50 4.33	10.00 57.25	9.32	11.44	12.00 5.86	Corn, barley, oats, meat and bone meal, fish, wheat bran, grain screenings, wheat middlings, calcium carbonate, salt.
Green Mountain Mash Caledonia Mills, Inc. St. Johnsbury, Vt.	G. F.	19.00 21.02	4.00 4.72	48.00 54.18	8.22	11.86	9.00 8.50	Corn meal, oats, wheat middlings, cottonseed meal, gluten feed, linseed meal, alfalfa, wheat bran, meat, bone and fish scraps, charcoal, 1-10% salt.
Gloeshire County Laying Mash Gloeshire County Farmers' Exchange Keene, N. H.	G. F.	19.00 21.36	6.00 5.16	51.00 52.72	9.37	11.45	7.00 6.49	Gluten feed, flour middlings, wheat bran, oats, corn meal, meat scraps, 1% salt.
Conkey's Buttermilk Grain and Bone Start- ing Feed C. E. Conkey Co. Cleveland, O.	G. F.	14.00 14.08	3.00 4.83	60.00 65.11	5.10	10.58	4.00 4.00	Oat meal, wheat middlings, corn meal, corn feed meal, buttermilk, bone, blood flour.
Laying Mash L. Cushing Co. Fitchburg, Mass.	G. F.	20.00 21.10	5.00 6.71	45.00 52.14	9.02	11.03	7.00 5.53	Dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, oats, hominy feed, old process oil meal, alfalfa meal, $\frac{1}{2}$ % salt.
Wood's Poultry Mash Derry Farmers' Exchange Derry, N. D.	G. F.	18.00 19.31	4.00 5.76	50.00 55.46	7.76	11.71	5.00 4.94	Wheat bran, screenings not exceeding mill run, corn meal, gluten, beef scraps, red dog, mid- dlings, oats, 1% salt.
Eastern's Laid Egg Mash Eastern Grain Co. Portland, Me.	G. F.	20.00 22.11	5.00 5.99	45.00 51.78	8.54	11.55	7.00 5.78	Dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, oats, hominy feed, old process oil meal, alfalfa meal, $\frac{1}{2}$ % salt.
Eastern States Milk Egg Mash Eastern States Farmers' Exchange Springfield, Mass.	G. F.	17.00 17.03	4.00 4.82	56.00 57.95	8.82	11.38	7.00 6.17	Corn meal, wheat bran, wheat flour mid- dlings, oats, meat scraps, alfalfa leaf meal, dried buttermilk, bone meal, salt.
Eastern States Open Formula Egg Mash Eastern States Farmers' Exchange Springfield, Mass.	G. F.	18.50 19.17	3.50 5.87	57.00 56.34	7.29	11.03	8.00 6.29	Corn meal, wheat flour middlings, oats, wheat bran, meat scraps.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
Ebmere Egg Mash Ebmere Milling Co., Inc., Oneonta, N. Y.	G.	13.00	4.00	52.98	10.84	11.93	8.00
	F.	13.91	5.34	52.98	10.84	11.93	4.73
Eshelman's Laying Mash John W. Eshelman and Sons Lancaster, Pa.	G.	20.00	5.00	45.00	10.25	10.71	7.00
	F.	21.52	6.32	51.20	10.25	10.71	5.31
Grandin's Baby Chick Starter D. H. Grandin Milling Co., Jamestown, N. Y.	G.	12.00	4.00	60.00	5.14	10.23	5.00
	F.	15.46	5.16	63.66	5.14	10.23	3.98
Grandin's Growing Feed D. H. Grandin Milling Co., Jamestown, N. Y.	G.	14.00	4.00	50.00	9.52	11.29	8.00
	F.	15.83	5.17	53.19	9.52	11.29	5.69
Grandin's Laying Mash D. H. Grandin Milling Co., Jamestown, N. Y.	G.	20.00	4.00	50.00	11.66	10.51	8.00
	F.	21.43	4.73	51.64	11.66	10.51	5.96
Kasco Growing Mash Kasco Mills, Inc., Waverly, N. Y.	G.	19.00	4.00	50.00	9.07	10.61	5.50
	F.	21.10	6.22	53.57	9.07	10.61	4.76
Kasco Laying Mash Kasco Mills, Inc., Waverly, N. Y.	G.	20.00	4.00	50.00	7.79	10.62	8.50
	F.	22.38	5.28	53.93	7.79	10.62	6.39

Dried buttermilk, meat scraps, wheat flour, oats, wheat middlings, corn meal or hominy feed, wheat bran, 1% calcium carbonate 1% salt.

Dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn feed, oats, hominy feed, 2% old process oil meal, 1% alfalfa meal, 1/2% salt.

Dried buttermilk, oats, wheat, corn meal, hominy feed, wheat middlings, calcium carbonate, bone meal.

Bone meal, meat and bone, gluten feed, dried buttermilk, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, oats, calcium carbonate, salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.

Fish, meat, bone, corn gluten feed, corn gluten meal, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, oats, scratch feed screenings, buttermilk, alfalfa meal, calcium carbonate, salt.

Wheat red dog flour, oat meal, wheat middlings, wheat bran, corn meal, linseed oil meal, meat scraps, dried buttermilk, bone meal, 3/4% salt.

Wheat bran, wheat middlings, wheat red dog flour, corn meal, linseed oil meal, corn gluten feed, oats, meat and bone scraps, fish meal, dried buttermilk, 3/4% salt, alfalfa meal.

Larro, Chick Starter Larroe Milling Co. Detroit, Mich.	G. F.	14.00 15.29	4.50 5.67	61.00 62.40	1.65	10.31	6.50 6.39	Yellow hominy feed, oat meal, wheat middlings, dried buttermilk, alfalfa meal, meat scraps, bone meal.
Larro Egg Mash Larroe Milling Co. Detroit, Mich.	G. F.	19.00 19.99	5.00 5.10	53.00 53.41	11.05	10.42	8.00 6.61	Oat meal, wheat middlings, yellow hominy feed, meat scraps, wheat bran, dried buttermilk, alfalfa meal, bone meal, 3 1/2% salt, 3 1/2% calcium carbonate.
Poultry Mash McQueen and Lewis Manchester, N. H.	G. F.	18.00 19.53	2.50 5.01	60.00 51.90	12.08	11.48	7.00 5.17	Corn meal, alfalfa meal, oats, oil meal, gluten meal, wheat bran, middlings, bone meal, feed scraps, fish meal, dried buttermilk.
Farr Mash Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. F.	18.00 20.40	4.00 5.15	50.00 49.33	11.99	10.13	8.00 8.69	Wheat middlings, wheat bran, mill run of screenings, corn meal, meat scraps, oats, alfalfa, charcoal, 3 1/2% salt, 3% calcium carbonate.
Merrimack Egg Mash Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. F.	21.00 20.49	5.00 5.10	50.00 51.93	9.20	10.28	5.00 4.79	Corn meal, rolled oats, wheat bran, white wheat middlings, corn gluten feed, meat scraps, 1% salt.
Merrimack Growing Mash Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. F.	20.00 19.38	5.00 4.73	50.00 59.06	6.69	10.11	6.00 4.24	Corn meal, oat meal, wheat bran, white wheat middlings, corn gluten feed, meat scraps.
Merrimack Special Egg Mash Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. F.	20.00 20.19	5.00 4.78	50.00 53.55	9.99	11.19	6.00 5.37	Corn meal, oats, wheat bran, wheat middlings, corn gluten feed, meat scraps.
Riverside Mash Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. F.	17.00 17.72	5.00 4.40	50.00 57.23	10.11	10.81	6.00 2.63	Corn meal, wheat bran, wheat middlings may contain mill run of screenings, oat groats, meat scraps, bone meal, dried buttermilk, 1% table salt, 2% calcium carbonate.
Broiler Ration Park and Pollard Co. Boston, Mass.	G. F.	14.00 16.94	1.50 1.06	50.00 58.59	7.74	12.67	8.00 5.22	Alfalfa, barley, corn, wheat, oats, meat and bone meal, wheat bran, mill run screenings, wheat middlings, calcium carbonate, salt, dried buttermilk.
Growing Feed Park and Pollard Co. Boston, Mass.	G. F.	14.00 15.26	1.50 5.03	50.00 60.44	7.44	11.83	8.00 5.77	Corn, wheat, oats, alfalfa, barley, meat and bone meal, wheat bran, mill run screenings, wheat middlings, calcium carbonate, salt, dried buttermilk.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by manufacturer to contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
Lay or Bust Dry Mash Park and Pollard Co. Boston, Mass.	G. 18.00	1.50	40.00	8.38	---	Corn, wheat, oats, barley, kafir corn, buck- wheat, alfalfa, fish meal, bone, wheat bran, mill run of screenings, wheat middlings, cal- cium carbonate, salt, dried buttermilk.
	F. 18.50	5.31	56.21	---	11.60	
Ful-O-Pep Chick Starter Quaker Oats Co. Chicago, Ill.	G. 15.00	5.00	56.00	9.88	---	Oat meal, hominy feed, yellow hominy feed, wheat bran, wheat middlings, bone meal, fish meal, cod liver meal, puffed wheat, al- falfa meal, cod liver oil, 2% calcium car- bonate, $\frac{1}{2}$ % salt.
	F. 15.81	5.72	59.01	---	9.58	
Ful-O-Pep Egg Mash Quaker Oats Co. Chicago, Ill.	G. 20.00	4.00	53.00	11.30	---	Hominy feed, yellow hominy feed, barley, meal, oat meal, linseed meal, wheat bran, wheat mid- dlings, ground screenings not exceeding mill run, bone meal, fish meal, cod liver meal, meat scraps, alfalfa meal, 2% calcium carbonate, $\frac{3}{4}$ % salt.
	F. 19.23	5.62	54.40	---	9.45	
Ful-O-Pep Growing Mash Quaker Oats Co. Chicago, Ill.	G. 19.00	5.00	53.00	10.98	---	Hominy feed, yellow hominy feed, barley meal, wheat bran, wheat middlings, screenings not exceeding mill run, oat meal, fish meal, cod liver meal, bone meal, meat scraps, puffed wheat, alfalfa meal, 2% calcium carbonate, $\frac{3}{4}$ % salt.
	F. 18.29	5.64	55.83	---	9.26	
Parina Chicken Chowder Ralston Purina Co., Inc. St. Louis, Mo.	G. 19.00	4.00	55.00	8.31	11.16	Wheat middlings, wheat bran, gluten feed, corn meal, alfalfa leaf flour, linseed meal, meat, charcoal, 1% salt.
	F. 20.00	5.71	54.73	---	---	
Parina Chick Growena Growing Mash Ralston Purina Co., Inc. St. Louis, Mo.	G. 18.00	4.00	54.00	8.44	---	Dried buttermilk, oat middlings, wheat mid- dlings, wheat bran, corn meal, alfalfa leaf flour, linseed meal, meat, cod liver oil, char- coal, $\frac{1}{2}$ % salt, bone meal, calcium carbonate.
	F. 18.71	6.26	56.06	---	10.50	

Virtuality Egg Mash Rosenbann Brothers Chicago, Ill.	G. 20.00 F. 19.20	4.00 5.48	48.00 52.11	12.24	10.97	8.00 4.93	Buttermilk, oat meal, meat scraps, bone meal, corn feed meal, wheat middlings, alfalfa meal, corn germ meal.
Wirthmore Baby Chick Food St. Albans Grain Co. St. Albans, Vt.	G. 13.50 F. 15.96	4.50 4.72	60.00 58.82	8.84	12.26	5.00 3.43	Dried buttermilk, oats, bone meal, wheat middlings, corn meal, wheat bran, beef scraps, calcium carbonate, salt.
Wirthmore Buttermilk Mash Feed St. Albans Grain Co. St. Albans, Vt.	G. 20.00 F. 22.05	4.00 5.31	50.00 52.05	9.98	10.61	7.00 6.33	Dried buttermilk, oats, barley, buckwheat, corn, wheat bran, wheat middlings, corn gluten feed, rolled oats, beef scraps, fish meal, linseed meal, calcium carbonate, dairy salt.
Wirthmore Growing Feed St. Albans Grain Co. St. Albans, Vt.	G. 15.00 F. 16.16	4.50 5.17	50.00 50.34	7.79	11.54	4.50 5.96	Dried buttermilk, bone meal, wheat, corn, oats, barley, peas, milo maize, wheat bran, wheat middlings, wheat red dog flour, beef scraps, calcium carbonate, dairy salt.
Stratford County Mash Steadford County Grain Mill Rochester, N. H.	G. 17.00 F. 19.01	5.00 6.88	57.00 55.04	7.10	10.95	10.00 6.55	Bran, middlings, oats, corn meal, gluten, meat scraps, hominy.
Rockingham Dry Mash H. K. Webster Co. Lawrence, Mass.	G. 20.00 F. 20.12	5.00 5.37	41.00 55.62	8.50	10.39	6.00 5.26	Gluten feed, red dog flour, oat meal, bran, meat scraps, calcium carbonate, salt.
University Open Formula Laying Mash H. K. Webster Co. Lawrence, Mass.	G. 18.50 F. 19.49	3.50 5.62	50.00 55.12	7.99	11.78	8.00 5.27	Wheat flour middlings, oats, corn meal, wheat bran, meat scraps.
York's Poultry Mash E. J. York Dover, N. H.	G. 18.00 F. 22.56	4.00 5.12	50.00 53.60	8.57	10.15	5.00 5.24	Wheat bran, screenings not exceeding mill run, corn meal, gluten meal, beef scraps, red dog middlings, oats, 1% salt.
SKIM MILK POWDER							
Pure Dried Skim Milk Powder Eastern Grain Co. Bridgewater, Mass.	G. 35.00 F. 33.44	0.75 0.29	51.41	8.08	6.78	---	---

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuff's							Certified by manufacturer to contain
	Protein	Fat	Carbo-lydrates	Ash	Moisture	Crude Fiber		
WHEAT BRAN								
William Tell Bran Ansted and Bark Co., Springfield, O.	G. 15.50 F. 14.41	4.00 3.70	55.25 62.88	6.73	12.23	9.50	Wheat bran, screenings not exceeding mill run.	
Atkinson's Bran Atkinson Milling Co., Minneapolis, Minn.	G. 14.00 F. 14.76	4.00 1.99	62.97	6.06	11.22	12.00	Screenings not exceeding mill run.	
Wheat Bran Bowersock Mills and Power Co., Lawrence, Kansas.	G. 11.50 F. 16.91	3.50 1.21	58.00 61.35	6.34	11.16	11.00	Not over 8% screenings.	
Wheat Bran and Screenings Consolidated Flour Mills Co., Hutchinson, Kan.	G. 11.50 F. 16.05	3.50 1.22	61.11	6.77	11.82	11.00	Wheat bran, not to exceed 8% wheat screenings.	
Copeland's Dandy Bran Copeland Flour Mills, Ltd., Midland, Canada	G. 15.00 F. 15.35	3.50 5.31	51.00 61.91	5.57	11.83	11.50		
Wheat Bran Dominion Flour Mills, Ltd., Montreal, Canada	G. 15.00 F. 15.13	3.50 5.26	62.47	5.53	11.61	11.50		
Duluth Imperial Bran Duluth Superior Milling Co., Duluth Minn.	G. 14.00 F. 16.21	3.75 5.33	60.00 61.25	5.01	12.11	13.00	Screenings not exceeding mill run.	
Durum Bran Duluth Superior Milling Co., Duluth, Minn.	G. 14.00 F. 16.57	4.00 5.83	60.00 60.27	1.31	13.02	13.00	Screenings not exceeding mill run.	
Sunshine Bran J. F. Easley Milling Co., Plainwell, Mich.	G. 13.50 F. 13.86	3.00 3.77	64.50 63.94	6.07	12.36	8.50	Screenings not over mill run.	

Wheat Bran Fairfax Milling Co. Fairfax, Minn.	G, 13.50 F, 11.36	4.10 5.22	62.30 63.82	5.93	10.67	15.60	Screenings not exceeding mill run.
Dairy Maid Bran Federal Mill and Elevator Co., Inc. Lockport, N. Y.	G, 14.00 F, 14.32	3.50 3.95	57.00 61.20	6.16	11.37	11.00	Screenings not exceeding mill run.
Lucky Bran Federal Mill and Elevator Co., Inc. Lockport, N. Y.	G, 14.00 F, 16.20	1.00 5.23	60.00 59.37	6.77	11.93	11.00	Screenings not exceeding mill run.
Bean Galt Flour Mills, Ltd. Galt, Ont.	G, 15.00 F, 16.33	3.50 5.57	60.26	5.06	12.78	11.50	
Wheat Bran James Goldie Co., Ltd. Guelph, Canada	F, 15.00 F, 16.21	3.50 5.97	60.33	5.48	12.01	11.50	
Bean Wm. Hamilton and Son, Inc. Honeye, N. Y.	G, 13.25 F, 11.21	2.90 3.92	61.45	5.56	11.33	11.60	Screenings not exceeding mill run.
Choice Wheat Bran Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	G, 13.50 F, 15.11	3.50 4.31	48.50 62.27	5.57	12.21	11.00	Wheat bran, screenings not exceeding mill run.
Raywood Pure Bran Raywood Milling Co. Jackson, Mich.	G, 11.00 F, 13.78	3.50 3.78	55.00 64.82	5.19	12.13	12.00	
Black Hawk Bran International Milling Co. Minneapolis, Minn.	G, 15.00 F, 15.52	3.20 4.37	61.56	6.09	11.96	12.00	
Big Flake Pure Wheat Bran Kansas Flour Mills Corp. Kansas City, Mo.	G, 15.00 F, 16.03	3.50 4.02	62.05	6.51	11.36	11.00	
Bean James H. Knowles and Son Boston, Mass.	G, 14.00 F, 11.37	4.00 3.36	54.00 64.66	4.79	11.82	8.00	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Staffs						Certified by manufacturer to contain	
	Protein		Carbo-hydrates		Ash	Moisture		Crude Fiber
	G.	F.	Fat	Carbo-hydrates				
Lakewoods Wheat Bran Lake of the Woods Milling Co., Ltd. Montreal, Canada	G. 15.00 F. 14.63		3.50 5.08	63.22	5.76	11.31	11.50	
Wasco Bran Lyon and Greenleaf Wauson, O.	G. 14.50 F. 13.27		4.00 4.00	63.64	6.20	12.89	9.50 Soft winter wheat, screenings not exceeding mill run.	
Manchester Bran McQueen and Lewis Manchester, N. H.	G. 13.00 F. 15.48		4.00 3.42	62.69	4.59	13.82	13.00	
Pure Wheat Bran Maple Leaf Milling Co. Toronto, Canada.	G. 15.00 F. 15.00		4.00 5.44	49.00 62.83	5.11	11.62	11.50	
Wheat Bran Maple Leaf Milling Co. Toronto, Canada.	G. 15.00 F. 14.26		3.50 5.44	50.00 63.09	5.87	11.31	11.50	
Wheat Bran Montana Flour Mills Co. Harlowton, Mont.	G. 15.00 F. 17.36		3.00 4.83	60.48	5.32	12.31	12.00 Screenings not exceeding mill run.	
Pure Wheat Bran National Milling Co. Toledo, O.	G. 14.00 F. 14.57		3.00 4.09	49.00 63.05	6.37	11.92	10.00	
Pure Wheat Bran Northwestern Consolidated Milling Co. Minneapolis, Minn.	G. 13.00 F. 16.00		4.00 5.13	62.00 58.79	5.96	13.04	12.00	
Ogilvie's Wheat Bran Ogilvie Flour Mills Co., Ltd. Montreal, Canada	G. 15.00 F. 16.18		3.50 5.01	53.00 61.84	4.98	11.99	11.50	

Pillsbury's Wheat Bran Pillsbury Flour Mills Co. Minneapolis, Minn.	G. F.	14.00 17.23	4.00 5.53	59.89	4.96	12.34	12.00	Hard wheat bran, cleaned not exceeding mill run.	wheat screenings
Bell Cow Bran Quaker Oats Co. Peterborough, Canada	G. F.	15.00 16.58	3.50 5.17	57.00 60.32	4.82	13.11	10.00	Wheat bran, screenings not exceeding mill run.	
Black Hawk Pure Bran Robin Hood Mills Ltd. Moose Jaw, Canada	G. F.	15.00 17.47	3.50 5.12	60.58	5.19	11.64	11.50		
Superior Pure Wheat Bran Robin Hood Mills Ltd. Moose Jaw, Canada	G. F.	15.00 16.27	3.50 4.48	62.45	5.12	11.68	11.50		
Occident Bran Russell-Miller Milling Co. Minneapolis, Minn.	G. F.	14.00 16.60	4.00 5.58	60.87	5.41	11.54	11.50		
Bran St. Lawrence Flour Mills Co., Ltd. Montreal, Canada	G. F.	15.00 15.17	3.50 5.24	62.66	5.16	11.77	11.50		
Wheat Bran B. F. Schwartz and Co., Inc. New York City	G. F.	13.00 14.54	4.00 3.49	50.00 64.60	5.89	11.48	13.00	Wheat bran, screenings not exceeding mill run.	
Red Turkey Pure Wheat Bran Southwestern Milling Co., Inc. Kansas City, Mo.	G. F.	14.50 16.49	3.50 3.82	50.00 60.32	6.60	12.77	11.00		
Wheat Bran Standard Milling Company of Canada, Ltd. Toronto, Canada	G. F.	15.00 15.70	3.50 5.61	60.85	5.00	12.84	11.50		
Bran F. W. Stock and Sons Hillsdale, Mich.	G. F.	14.00 17.29	3.00 3.84	45.00 59.71	5.91	13.25	10.00	Wheat bran, mill run of screenings.	
Bran David Scott Flour Mills, Inc. Detroit, Mich.	G. F.	15.00 16.09	4.00 4.24	60.16	6.15	13.36	12.50	Wheat bran, screenings not exceeding mill run.	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
Fancy Bran Stratton and Co. Concord, N. H.	G. 15.00 F. 16.11	4.00 4.18	64.00 62.09	5.54	12.08	11.00	
Wheat Bran George Urban Milling Co. Buffalo, N. Y.	G. 14.00 F. 16.55	3.50 5.30	49.00 59.29	5.27	13.59	12.00	Wheat bran, screenings.
Rowena Wheat Bran Valley City Milling Co. Grand Rapids, Mich.	G. 14.50 F. 13.82	3.30 4.31	54.00 64.36	6.09	11.42	10.00	Wheat bran, screenings not exceeding mill run.
Victor Bran Victor Flour Mills, Inc. Victor, N. Y.	G. 15.00 F. 16.70	4.00 4.84	53.30 60.02	4.92	13.52	11.00	Spring wheat, screenings not exceeding mill run.
Voigt's Pure Winter Wheat Bran Voigt Milling Co. Grand Rapids, Mich.	G. 14.50 F. 14.15	4.00 4.03	52.20 63.87	5.23	12.72	10.00	
Gold Medal Bran Washington-Crosby Co. Minneapolis, Minn.	G. 14.00 F. 15.51	4.00 4.45	62.40	5.87	11.74	12.00	Hard wheat bran, mill run cleaned wheat screenings.
Bran Western Canada Flour Mills Co., Ltd. Winnipeg, Canada	G. 15.00 F. 15.94	3.00 5.47	61.50	5.86	11.23	11.50	
Pioneer Bran Western Canada Flour Mills Co., Ltd. Winnipeg, Canada	G. 15.00 F. 17.02	3.50 4.65	60.71	4.96	12.66	11.50	

WHEAT MIDDINGS

White Middlings Ansted and Bark Co., Springfield, O.	G.	13.50	3.00	66.97	3.19	11.49	5.50	Wheat middlings, ground screenings not exceeding mill run.
	F.	13.29	5.06					
William T. H. Middlings Ansted and Bark Co., Springfield, O.	G.	16.25	4.00	61.50	4.39	11.77	5.75	Wheat middlings, ground screenings not exceeding mill run.
	F.	15.55	4.19	64.10				
Banker's Fancy Middlings Ralph H. Banker Dover, N. H.	G.	15.50	4.00	55.00	3.63	11.86	7.00	Wheat middlings, red dog flour.
	F.	17.03	4.70	62.78				
Eagle Standard Middlings Eagle Roller Mill Co., New Ulm, Mich.	G.	15.00	4.00	43.50	4.68	11.66	9.50	Wheat middlings, ground wheat screenings not exceeding mill run.
	F.	15.92	4.85	62.89				
Sunlite Middlings J. F. Easley Milling Co., Plainwell, Mich.	G.	15.00	3.50	65.50	3.59	12.91	6.00	Wheat with screenings not exceeding mill run.
	F.	15.06	4.03	64.38				
Dairy Maid Middlings Federal Mill and Elevator Co., Inc., Lockport, N. Y.	G.	15.50	4.50	58.00	3.55	11.61	6.00	Screenings not exceeding mill run.
	F.	14.74	4.38	65.72				
Lucky Middlings Federal Mill and Elevator Co., Inc., Lockport, N. Y.	G.	16.00	4.50	58.00	3.65	11.20	7.50	Ground screenings not exceeding mill run.
	F.	16.29	5.07	63.79				
Spokane Fancy Middlings Federal Mill and Elevator Co., Inc., Lockport, N. Y.	G.	15.50	4.00	59.00	3.35	12.36	6.00	Hard wheat middlings, second clear wheat flour, screenings not exceeding mill run.
	F.	16.90	4.06	63.33				
H. Wheat Middlings Becker-Jones-Jewell Milling Co., New York City.	G.	15.00	5.00	52.25	4.11	10.81	9.50	Mill run ground screenings.
	F.	16.40	4.85	63.47				
Blackhawk Standard Middlings International Milling Co., Minneapolis, Minn.	G.	16.00	4.50	62.72	4.61	10.74	8.50	Ground screenings not exceeding mill run.
	F.	17.01	4.92					

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber	
Waseo Middlings Lyon and Greenleaf Watson, O.	G. 16.00 F. 14.61	4.00 4.32	65.48	3.69	11.90	6.00	Ground screenings not exceeding mill run.
Manchester Middlings McQuestion and Lewis Manchester, N. H.	G. 14.00 F. 13.89	4.00 3.07	67.12	2.53	13.39	11.00	
Rex Wheat Middlings Maple Leaf Milling Co., Ltd. Toronto, Canada	G. 17.50 F. 17.82	5.50 5.42	52.00 59.99	4.25	12.52	7.50	
Palmo Midds Newsome Feed and Grain Co. Pittsburg, Pa.	G. 16.00 F. 15.85	7.00 8.74	58.22	5.32	11.87	9.00	Wheat middlings, ground screenings not ex- ceeding mill run, palm oil.
Flour Middlings Northwestern Consolidated Milling Co. Minneapolis, Minn.	G. 15.00 F. 18.58	4.00 5.83	56.00 60.91	4.11	10.57	6.00	Wheat flour middlings, ground screenings not exceeding mill run.
Standard Middlings Northwestern Consolidated Milling Co. Minneapolis, Minn.	G. 15.00 F. 17.03	4.00 5.69	62.20	4.74	10.34	9.50	Wheat middlings, wheat screenings.
Wheat Flour Middlings Park and Pollard Co. Boston, Mass.	G. 16.00 F. 16.26	4.00 3.69	64.05	3.91	12.06	6.00	Wheat flour middlings, screenings not exceed- ing mill run.
Pillsbury's Standard B Middlings Pillsbury Flour Mills Co. Minneapolis, Minn.	G. 15.00 F. 16.08	4.00 5.03	63.01	4.17	10.81	9.50	Screenings not exceeding mill run.
Alta Middlings Russell-Miller Milling Co. Minneapolis, Minn.	G. 15.00 F. 18.32	4.50 4.50	60.70	4.32	12.16	8.50	Mill run of standard middlings, flour middlings.

Wirthmore Flour Middlings St. Albans Grain Co. St. Albans, Vt.	G. 11.00 F. 16.18	4.00 4.56	50.00 62.93	3.91	12.04	8.00	Wheat middlings, red dog flour, less than mill run of screenings.
Dakota Maid Standard Middlings State Mill and Elevator Co. Grand Fork, N. D.	G. 16.10 F. 17.23	5.70 5.86	61.12	3.99	11.30	8.10	Wheat middlings, mill run cleaned wheat screenings.
Middlings F. W. Stock and Sons Hillsdale, Mich.	G. 16.00 F. 16.88	1.00 3.56	50.00 61.28	3.19	12.00	7.00	
Pennant Wheat Middlings David Stout Flour Mills, Inc. Detroit, Mich.	G. 16.00 F. 16.23	4.00 5.31	63.07	3.96	11.13	9.00	Wheat middlings, screenings not exceeding mill run.
Rowena Wheat Middlings Valley City Milling Co. Grand Rapids, Mich.	G. 15.25 F. 15.48	1.20 3.36	62.00 66.19	3.17	11.20	5.00	Ground screenings not exceeding mill run.
Vogel's Winter Wheat Middlings Vogel Milling Co. Grand Rapids, Mich.	G. 15.50 F. 15.28	4.00 4.66	52.20 61.13	3.49	12.11	10.00	Ground screenings not exceeding mill run.
Gold Medal Standard Middlings Washburn-Crosby Co. Minneapolis, Minn.	G. 15.00 F. 16.59	4.00 4.80	62.50	4.34	11.71	9.50	Half wheat middlings, mill run cleaned wheat screenings.
WHEAT MIXED FEED							
Trojan Mixed Feed Allen and Wheeler Co. Troy, O.	G. 15.00 F. 16.62	1.00 1.76	52.00 62.09	4.31	11.69	8.00	Ground screenings not exceeding mill run.
Mixed Feed Austed and Burk Co. Springfield, O.	G. 15.50 F. 15.61	4.00 1.92	60.50 63.03	5.16	12.18	6.50	Wheat mixed feed ground screenings not exceeding mill run.
Capital Mixed Feed E. W. Bailey and Co. Swanton, Vt.	G. 14.00 F. 16.20	3.00 4.41	60.00 63.81	3.99	11.59	7.00	Wheat bran, second clear flour.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
Banker's Mixed Feed Ralph B. Banker Prayer, N. H.	G. 15.50	4.00	60.00			8.00	Wheat bran, wheat middlings, wheat feed flour.
	F. 15.92	4.64	62.33	1.52	12.59		
Brooks' Fancy Mixed Feed Cathlamet Mills Inc. St. Johnsburv, Vt.	G. 15.00	5.00	62.07		12.41	8.00	Wheat bran, low grade flour.
	F. 16.21	5.00		4.31			
Mixed Feed J. Cushing Co. Fitchburg, Mass.	G. 14.50	4.00	45.00		11.38	6.00	Screenings not exceeding mill run.
	F. 15.31	4.71	63.09	4.98			
Dunx Mail Mixed Feed Federal Mill and Elevator Co., Inc. Lockport, N. Y.	G. 15.50	4.00	57.00		11.46	8.00	Wheat bran, wheat middlings, screenings not exceeding mill run.
	F. 15.02	4.25	64.56	4.71			
Lucky Mixed Feed Federal Mill and Elevator Co. Lockport, N. Y.	G. 15.00	4.50	56.00		11.57	9.50	Wheat bran, wheat middlings, screenings not exceeding mill run.
	F. 17.19	4.55	61.51	5.18			
Gloucester Wheat Feed Glen Mills Cereal Co. Newburyport, Mass.	G. 13.50	3.50	65.00		13.48	9.00	Mill run screenings.
	F. 12.74	3.03	67.80	2.95			
Granite State Mixed Feed F. C. and W. L. Hopkins Greenfield, N. H.	G. 15.00	4.00	55.00		12.31	8.50	Wheat bran, wheat red dog flour, ground screenings not exceeding mill run.
	F. 16.92	5.20	61.82	1.65			
Gold Mine Feed H. H. King Flour Mills Co. Minneapolis, Minn.	G. 15.00	4.50	62.50		11.49	9.50	Bran, shorts, low grade flour, wheat screenings.
	F. 15.41	5.18	63.10	4.82			
LeGrande Mixed Feed Londonville Milling Co. Londonville, O.	G. 14.00	4.00	63.54		12.02	7.00	
	F. 15.02	4.58		4.84			

Wasco Mixed Feed Lyon and Greenleaf Wauson, O.	G. 15.00 F. 15.00	4.00 4.05	62.81	4.96	13.18	8.00	Soft winter wheat with ground screenings not exceeding mill run.
Merrimack Heavy Wheat Feed Merrimack Farmers' Exchange, Inc. Concord, N. H.	G. 15.00 F. 16.60	4.00 5.07	55.00 62.34	4.52	11.47	9.00	Wheat bran, may contain mill run screenings, wheat middlings.
Osoto Feed National Milling Co. Toledo, O.	G. 15.00 F. 16.55	4.50 4.45	49.00 61.70	5.54	11.76	10.00	Wheat bran, wheat middlings, ground screenings not exceeding mill run.
Planet Feed Northwestern Consolidated Milling Co. Minneapolis, Minn.	G. 15.00 F. 18.67	4.00 5.21	59.26	4.49	12.37	8.00	Wheat bran, red dog wheat flour.
Winter Mixed Feed Ogdensburg Roller Mills Ogdensburg, N. Y.	G. 15.00 F. 15.00	4.00 4.40	63.37	5.01	12.22	8.50	Wheat bran, wheat middlings, wheat red dog, ground screenings not exceeding mill run.
Pillsbury's Fancy Mixed Feed Pillsbury Flour Mills Co. Minneapolis, Minn.	G. 15.00 F. 16.62	4.00 4.63	62.73	4.03	11.94	8.50	Wheat red dog, hard wheat bran, ground cleaned wheat screenings not exceeding mill run.
Occident Mixed Feed Russell-Miller Milling Co. Minneapolis, Minn.	G. 15.00 F. 17.80	4.50 4.57	60.33	5.99	12.24	9.50	All run of bran middlings, red dog flour.
Withmore Wheat Feed St. Albans Grain Co. St. Albans, Vt.	G. 15.00 F. 16.68	4.50 5.03	50.00 61.94	4.59	11.76	8.00	Wheat bran, wheat feed flour, mill run screenings.
Heavy Litchfield Mixed Feed F. W. Stock and Sons Hillsdale, Mich.	G. 17.00 F. 17.62	4.00 3.89	60.00 66.29	4.37	11.83	8.00	
Monarch Fancy Wheat Feed F. W. Stock and Sons Hillsdale, Mich.	G. 16.00 F. 17.65	4.00 4.15	50.00 60.19	5.11	12.90	10.00	Mill run screenings.
Superior Wheat Feed and Wheat Flour F. W. Stock and Sons Hillsdale, Mich.	G. 16.00 F. 16.41	4.50 4.33	50.00 62.89	4.01	12.63	7.00	Mill run screenings.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feeding-Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
Mixed Feed Stratton and Co. Concord, N. H.	G.	4.11	63.00	1.87	---	7.13	Screenings not exceeding mill run.
	F.	15.18 4.11	64.00	---	11.78	---	
Champion Mixed Feed, Rowena Valley City Milling Co. Grand Rapids, Mich.	G.	4.00	56.00	4.27	---	8.00	Ground screenings not exceeding mill run.
	F.	15.73 4.06	64.43	---	11.19	---	
Victor Mixed Feed Victor Flour Mills, Inc. Victor, N. Y.	G.	4.50	53.30	1.55	---	10.00	Spring wheat bran, wheat middlings, low grade flour, ground screenings not exceeding mill run.
	F.	16.72 4.64	62.13	---	11.96	---	
Voigt's Winter Wheat Mixed Feed Voigt Milling Co. Grand Rapids, Mich.	G.	4.00	52.20	1.17	---	10.00	Ground screenings not exceeding mill run.
	F.	14.13 4.00	65.06	---	12.64	---	
Gold Medal Mixed Feed Washburn-Crosby Co. Minneapolis, Minn.	G.	4.00	64.20	1.21	---	7.50	Wheat bran, flour middlings, mill run cleaned wheat screenings.
	F.	16.91 3.89	---	---	11.69	---	
WHEAT RED DOG FLOUR Atkinson's Watchword Red Dog Flour Atkinson Milling Co. Minneapolis, Minn.	G.	4.00	60.00	---	---	4.00	Red dog wheat flour.
	F.	16.74 3.56	64.62	3.19	11.99	---	
XXX Comet Northwestern Consolidated Milling Co. Minneapolis, Minn.	G.	4.00	58.00	---	---	4.00	Red dog wheat flour.
	F.	17.58 4.77	63.16	2.71	11.78	---	
XX Daisy Pillsbury Flour Mills Co. Minneapolis, Minn.	G.	4.00	64.11	---	---	4.00	Red dog flour.
	F.	17.12 4.38	---	2.86	11.53	---	

Gold Medal Adrian Red Dog Washburn-Crosby Co. Minneapolis, Minn.	G. 16.00 F. 17.78	3.50 4.36	63.91	2.69	10.73	4.00
WHEAT SHORTS						
Shorts S. J. Cherry and Sons Preston, Canada	G. 16.00 F. 17.26	5.00 5.81	60.14	4.17	12.62	8.00
Copeland's Dandy Shorts Copeland Flour Mills, Ltd. Midland, Canada	G. 16.00 F. 17.82	5.00 5.57	54.00 60.83	3.68	12.10	8.00
Shorts Dominion Flour Mills Ltd. Montreal, Canada	G. 16.00 F. 17.30	5.00 6.03	60.98	4.32	11.32	8.00
Rainbow Shorts Galt Flour Mills Ltd. Galt, Canada	G. 16.00 F. 18.69	5.00 6.11	58.47	4.25	12.15	8.00
Superior Wheat Shorts Roland Hood Mills Ltd. Moose Jaw, Canada	G. 17.00 F. 18.26	5.00 5.75	60.79	4.00	11.20	8.00





