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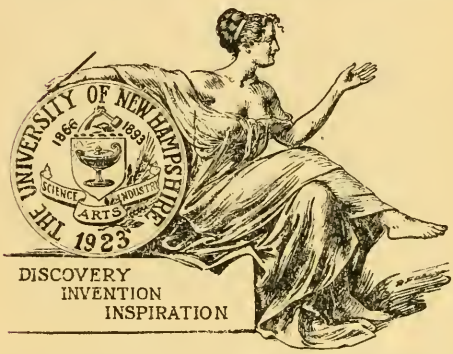
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INSPECTION OF COMMERCIAL FEEDING STUFFS

ANALYSES OF COMMERCIAL FEEDING-STUFFS
COLLECTED BY THE COMMISSIONER OF
AGRICULTURE IN 1922.

INTRODUCTION

This report deals with the inspection of commercial feeding-stuffs for the year 1922, made under the direction of the Honorable Andrew L. Felker, Commissioner of Agriculture. During the year 1919 the consumers of New Hampshire purchased about ten million dollars worth of commercial feeding-stuffs. The value of these materials is determined very largely by their chemical analysis. In order that the purchaser may be able to determine the value of a feeding-stuff the state law requires that commercial feeding-stuffs be labeled with a guaranteed analysis. To enforce the law and protect the consumer against the possible adulteration and misbranding of these materials the state maintains an inspection service. If this work is to be of the most value and protection the consumer must make use of it.

DO NOT THROW THIS BULLETIN AWAY! READ IT! USE IT WHEN YOU PURCHASE FEEDS!

Mr. E. D. Sanborn, State Inspector, visited most of the feed ware houses in the state and collected 360 samples of feeds.

QUALITY OF FEEDING-STUFFS ANALYZED.

The relative number of feeding-stuffs in the respective classes is very similar to that of the past two seasons. There is an increase in the number of poultry feeds, wheat

feeds, cotton seed meals and oil meals and a relative decrease in the number of mixed dairy feeds. The quality of the feeding-stuffs shows a marked improvement and the deficiencies in guaranteed analysis are less frequent this year. The largest percentage of deficiencies in analysis are found among the compounded feeds, oil meals, calf meals and poultry feeds. Last year over five per cent. of the samples analyzed were deficient in both protein and fat while this year only three per cent. show such deficiencies. A larger number than last year of the higher analysis and better quality cotton seed meals were found.

SLIDING SCALE OR DOUBLE GUARANTEE.

The law definitely provides that the manufacturer shall state only the minimum percentage of protein, fat and carbohydrates upon the guarantee. The object of this is to prevent the purchaser from being misled by a double guarantee. For example without this provision in the law when a guarantee shows 30 per cent. to 45 per cent. protein an analysis of 30 per cent. is all that is necessary to meet the guarantee, although the guarantee may lead the purchaser to believe that he may get close to 45 per cent., when as a matter of fact he is more apt to get 30 per cent. or even less. The last year has shown some improvement in this regard. In 1921 out of 246 samples analyzed 10 samples or 4 per cent. had a double guarantee while in 1922 out of 360 samples only 10 or less than 3 per cent. had a double guarantee. In publishing the guaranteed analysis the maximum figures have been used.

CLASSIFICATION OF FEEDING-STUFFS ANALYZED.

In classifying the feeding-stuffs the class names under which they have been sold have been used. Table Number 1 shows the number of feeding-stuffs in each class, the

average per cent. of protein and fat found and the price per 100 pounds.

TABLE NUMBER 1

Class	No. of Feeds	Average Percent. Protein	Average Percent. Fat	Average Price Per 100 lbs.
Alfalfa Meals	4	14.59	1.59	2.13
Beet Pulps	6	8.97	0.68	1.68
Calf Meals	7	23.34	4.88	5.13
Compounded Feeds	31	10.26	4.40	1.83
Cottonseed Meals	23	38.63	6.79	2.67
Dairy Feeds	38	23.19	5.43	2.39
Distiller's Grains	2	31.85	11.30	2.47
Flaxseed Meals	13	35.45	6.53	2.78
Gluten Feeds	7	27.97	2.75	2.51
Hog Feeds	10	20.14	5.75	2.40
Hominy Feeds	7	10.77	7.33	1.82
Miscellaneous Feeds	7	11.75	4.50	2.20
Poultry Feeds	58	26.38	7.08	3.51
Wheat Feeds	147	16.49	4.69	1.90
Total	360			

DEFICIENCIES IN ANALYSIS.

Table Number 2 shows the number of samples found deficient in protein and in fat, the number of samples deficient in both protein and fat also the percentage number of each class showing such deficiencies. In making up the table only those deficiencies of one half of one per cent. or more of protein and one fourth of one per cent. or more of fat were used.

TABLE NUMBER 2

Class	No. in Class	No. Def. ½% Protein	No. Def. ¼% Fat	No. Def. both Protein and Fat	% Def. ½% Protein	% Def. ¼% Fat	% Def. both Protein and Fat
Alafalfa Meals	4	0	0	0	0	0	0
Beet Pulps	6	0	0	0	0	0	0
Calf Meals	7	1	2	1	14	28	14
Compounded Feeds	31	6	5	1	19	16	3
Cottonseed Meals	23	2	0	0	9	0	0
Dairy Feeds	38	2	2	1	5	5	3
Distiller's Grains	2	0	0	0	0	0	0
Flaxseed Meals	13	2	1	1	15	8	8
Gluten Feeds	7	0	0	0	0	0	0
Hog Feeds	10	1	0	0	10	0	0
Hominy Feeds	7	0	0	0	0	0	0
Miscellaneous Feeds	7	2	3	2	29	43	29
Poultry Feeds	58	11	3	3	19	5	5
Wheat Feeds	147	6	3	2	4	2	1
Total	360	33	19	11	9.1	5.3	3.1

WHAT DOES THE CHEMICAL ANALYSIS MEAN?

In a feed analysis the following determinations are usually made: protein, fat, carbohydrates, ash, moisture and crude fiber.

Protein is determined by finding the percentage of total nitrogen and multiplying this by the factor 6.25, since it has been found that the average proteins contain 16 per cent. nitrogen. While this includes small amounts of certain other compounds which contain nitrogen, for all

practical purposes it is sufficiently accurate. Protein, then, is made up of the compounds in the feed which contain nitrogen.

Fat is determined by extracting a dried sample of the feeding-stuff with ether and weighing the residue after the ether is driven off. In main it contains the vegetable fats of which olive oil, linseed oil, peanut oil, and cottonseed oil are examples. It contains also small amounts of chlorophyll (the green coloring matter of the leaves), waxes, resins, etc.; but for practical purposes it is accurate enough to deal with it as fat.

Ash is determined by weighing the residue after the feeding-stuff has been burned at a low temperature. It contains the mineral matter of feeding-stuffs.

Moisture is determined by finding the loss in weight after heating at the temperature of boiling water. It shows the amount of water that the feed contains.

Carbohydrates are determined by adding the percentages of the protein, fat, moisture and ash, and subtracting the total from 100 per cent. The carbohydrates are composed largely of starches, sugars, pentosans, celluloses, etc. The carbohydrates include the crude fiber also. The percentage of carbohydrates less the percentage of crude fiber is called *nitrogen free extract*.

Crude Fiber is made up of the more woody-like carbohydrates which are largely of a cellulose nature. Pure cotton is an example of almost pure cellulose. Wood, straw, corn fodder, etc., are materials which are high in crude fiber content.

WHAT ARE FOODS FOR ANIMALS?

In order that an animal may continue to live even without making growth or producing wool, eggs, milk or work, etc., there are certain food materials which it must have. The

animal must have a certain amount of protein, fat, carbohydrates, water and mineral constituents. In addition there are other things, known as "vitamines", "growth promoting substances", or "food accessories", the chemical nature of which is not well understood, which are necessary. The latter substances, however, are usually present in sufficient quantities in our regular feeding-stuffs if we feed a sufficient variety and we need not consider them. Our feeding-stuffs contain mineral matter sufficient for the needs of an animal with a few exceptions, such as calcium carbonate which we furnish as oyster shells for hens, salt, and phosphorous and calcium which is sometimes fed to dairy cattle in bone meal so we need not consider the mineral matter further.

The Protein, fat and carbohydrates must be furnished in the feed and it is their content which largely determines the value of the feed.

DIGESTIBILITY IMPORTANT IN DETERMINING THE VALUE OF FEED.

When fed not all of the protein, carbohydrates and fat in the different feeding-stuffs are digested. In comparing the value of the different feeding-stuffs, especially when they are of different types, we must take into consideration the digestibility of these food nutrients. The *coefficient of digestibility* is a term which expresses the percentage amount of the food nutrients which are digested and absorbed by the animal. Table Number 3 gives a summary of the average results for some of our common feeding-stuffs.

TABLE NUMBER 3

AVERAGE DIGESTIBILITY OF FEEDING STUFFS, WITH RUMINANTS EXPRESSED IN PERCENTAGE

(Taken from "Feeds and Feeding" by Henry and Morrison.)

	Dry Matter	Protein	Crude Fiber	Nitrogen Free Extract	Fat
Corn Meal	90	74	57	94	93
Gluten Meal	88	85	55	90	93
Gluten Feed	86	85	76	88	85
Hominy Feed	83	66	76	90	91
Wheat Bran	65	78	31	72	68
Standard Wheat Middlings ..	..	77	30	78	88
Barley	88	78	56	92	78
Oats	70	78	35	81	87
Buckwheat	71	75	24	76	100
Soybean Meal .....	..	92	99	100	68
Linseed Meal (old process)	79	89	57	78	89
Linseed Meal (new process)	81	86	73	87	95
Cottonseed	66	68	76	50	87
Cottonseed Meal	77	84	37	75	95
Cottonseed Feed	56	58	45	61	90
Dried Brewers' Grain	61	81	49	57	89
Dried Beet Pulp	75	52	83	83	..
Molasses Feeds	68	61	50	79	100
Flesh Meal .....	..	93	..	..	98
Fish Meal	71	78	..	..	100
Timothy Hay	55	48	50	62	50
Barley Hay	59	65	62	63	41
Oat Hay	54	54	52	56	61
Alfalfa	60	71	43	72	38
Red Clover	59	59	54	66	57
Corn Silage Dent Immature	64	53	68	66	71
Corn Silage Dent Mature ..	66	51	65	71	82

We have this data for the pure grains and feeds, but because the various proprietary feeds are not standardized there are no data available for them.

HOW TO USE TABLE NUMBER 3.

Only the digestible nutrients are of value and so in comparing two feeds we should compare just the digestible nutrients. Suppose we had a cottonseed meal which analyzed 38 per cent. protein.

The table shows cottonseed protein to be 84 per cent. digestible. We then would have 84-100 of 38 lbs., or 31.9 lbs. of digestible protein per 100 lbs. If a wheat bran analyzed 15 per cent. protein we see from the table that it is 78 per cent. digestible and we would have 78-100 of 15 or 11.7 lbs. of digestible protein. The cottonseed meal would have 31.9 lbs. compared with 11.7 in wheat bran.

HOW TO FIGURE THE COMPARATIVE VALUE OF FEEDS FROM THE CHEMICAL ANALYSIS.

Because such factors as palatability, digestibility, etc., play an important part in determining the value of feeding-stuffs it is difficult to make an exact comparison of their value from a chemical analysis. The analysis will, however, serve as a very valuable guide. Since the farmer can usually raise carbohydrates cheaper than he can purchase them he is chiefly interested in buying the concentrated feeding-stuffs for their protein and fat content.

Feeds may be compared upon the basis of the number of pounds of protein and fat which one dollar will buy. An example is as follows: Feed number 21 sells for \$2.70 per 100 pounds and is guaranteed protein 9.50 per cent. and fat 4.00 per cent. If it contains 9.50 per cent. protein there are 9.5 pounds of protein in 100 pounds of feed costing \$2.70. Then one dollar will buy 9.50 divided by 2.70 or 3.5

pounds of protein and 4.00 divided by 2.70 or 1.5 pounds of fat. Feed number 122 sells for \$2.10 per 100 pounds and is guaranteed 13.00 per cent. protein and 4.50 per cent. fat. Then one dollar buys 13.00 divided by 2.1 or 6.1 pounds of protein and 4.50 divided by 2.10 or 2.1 pounds of fat.

In other words in feed number 122 the consumer receives almost twice as much protein and half again as much fat per dollar as in feed number 22. These figures represent two feeds of the same type which were sold in New Hampshire in 1922. In comparing feeds of the same class this method shows fairly accurately their relative value. When feeds of different types like a cottonseed meal and a hominy feed are compared the digestible protein figures should be compared and the carbohydrates must also be taken into consideration.

Table Number 4 shows the average number of pounds of protein and fat one dollar would buy for each class of the feeding-stuffs analyzed in 1922.

TABLE NUMBER 4

Class	No. of lbs. of Protein \$1.00 will buy	No. of lbs. of Fat \$1.00 will buy
Alfalfa Meals	6.8	0.7
Beet Pulps	5.3	0.4
Calf Meals	4.5	0.9
Compounded Feeds	5.6	2.4
Cottonseed Meals	14.5	2.5
Dairy Feeds	9.7	2.3
Distillers' Grains	12.9	4.6
Flaxseed Meals	12.8	2.4
Gluten Feeds	11.1	1.1
Hog Feeds	8.4	2.4
Hominy Feeds	5.9	4.0
Miscellaneous Feeds	5.3	2.0
Poultry Feeds	7.5	2.0
Wheat Feeds	8.7	2.5

COMPARATIVE VALUES OF COTTONSEED MEALS.

Twenty-three samples of cottonseed meals were analyzed. A comparison of the analysis and selling prices show that the higher the analysis the cheaper the cost of protein is per pound. Table Number 5 shows the number of samples analyzed under each percentage, the price per 100 pounds and the average number of pounds of protein that one dollar would buy in each case,

TABLE NUMBER 5
COTTONSEED MEALS

Guaranteed % of protein	Number of samples	Average % of protein found	Average price per 100 pounds	No. pounds of protein \$1.00 will buy
36	15	36.62	\$2.62	14.0
38	1	39.82	2.75	14.5
41	4	41.98	2.85	14.7
43	3	43.78	2.67	16.4

One dollar would buy 14 pounds of protein in the 36 per cent. cottonseed meals and 16.4 pounds in the 43 per cent. cottonseed meals. *Or in other words one dollar would buy over seventeen per cent. more protein in the 43 per cent. cottonseed meals than in the 36 per cent. meals.* The average price per ton of the higher analysis meals is higher but the cost per pound of protein is less. *Determine the comparative value of the feeds offered for sale before purchasing. BUY INTELLIGENTLY!*

READY MIXED FEEDS SHOULD BE PROPERLY
BALANCED.

In selecting a ready mixed feed such as a dairy feed it is well to examine the analysis and see that the feed is properly balanced for use with the kind of roughage which you

feed. The Dairy department of the New Hampshire college recommend for use with a high protein roughage a feed containing 15 per cent. crude digestible protein, for use with a medium protein roughage a feed containing 17 per cent. crude digestible protein, and for use with a low protein roughage a feed containing 19 per cent. crude digestible protein. The analysis of a feeding-stuff shows the crude protein of which a portion is not digestible. While it is impossible to give an accurate figure for the digestibility of ready mixed feeds it will be approximate to assume that from 80 to 85 per cent. of the crude protein is digestible. On such a basis for use with a high protein roughage a ready mixed dairy feed should contain at least 17.5 per cent. protein with a medium protein roughage at least 20.00 per cent. protein and with a low protein roughage at least 22.00 per cent. protein.

SOME SUGGESTIONS IN PURCHASING FEEDS.

1. Compare the cost of feeds with their analysis even within the same class and buy the feeds which offer the greatest value for the dollar.

2. Beware of misleading brand names indicating unusual feeding value. Let the analysis rather than the brand name be your guide.

3. If you grow legumes or high protein crops for roughage you will need to buy less of the expensive protein feeds.

4. A good feed is high in protein and fat or carbohydrates and low in crude fiber.

5. A poor feed is low in protein and fat and high in crude fiber.

6. If you buy a ready mixed feed be sure that it is of the proper analysis to meet your needs.

Acknowledgements are due Mr. J. A. Gallagher, who assisted in making the protein determinations.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
	ALFALFA MEALS						
Alfalfa Meal	12.00	1.00	40.00	.....	.....	35.00	Alfalfa hay.
Denver Alfalfa Milling & Products Co. Lamar, Col.	G. F. 13.90	1.37	68.62	8.40	7.71	.....
Alfalfa Meal	13.00	1.00	35.00	.....	.....	35.00	Made from the best alfalfa hay.
Farmers' Alfalfa Products Co. Syracuse, N. Y.	G. F. 15.33	1.01	69.06	5.52	9.08	.....
Alfalfa Meal	12.00	1.00	40.00	.....	.....	35.00	Made from alfalfa hay.
Omaha Alfalfa Milling Co. Cozad, Nebr.	G. F. 14.42	2.25	65.93	7.98	9.42	.....
Otto Weiss Alfalfa Meal	12.00	1.00	35.00	.....	.....	35.00	Ground alfalfa hay.
Otto Weiss Milling Co. Wichita, Kansas.	G. F. 14.71	1.74	68.84	6.94	7.77	.....
BET PULPS							
Dried Beet Pulp	8.00	0.50	58.00	2.50	.....	20.00	Residue of sugar beets dried after extraction
Clover Leaf Milling Co. Buffalo, N. Y.	G. F. 10.32	0.65	81.46	3.13	4.44	.....	of sugar.
Dried Molasses Beet Pulp	8.00	.....	.....	6.00	.....	20.00	Composed only of residue of sugar beets
Great Western Sugar Co. Denver, Col.	G. F. 9.33	0.66	75.96	4.99	9.06	.....	(molasses and pulp) dried after extraction of sugar.
Dried Beet Pulp	8.00	0.50	60.00	.....	.....	20.00	
Max Hottel Milwaukee, Wis.	G. F. 8.43	0.76	77.91	3.06	9.84	.....
Dried Beet Pulp	8.00	0.50	76.00	.....	.....	20.00	
Larrowe Milling Co. Detroit, Mich.	G. F. 8.57	0.50	77.53	8.93	9.47	.....

Dried Beet Pulp	G.	8 00	0.50	50 00	3.27	11.25	20.00	Residue of sugar beets after extraction of sugar.
Charles Pope	F.	8.13	0.89	76.46			.....
Dried Beet Pulp	G.	8 00	0.50	60.00	2 15	10.04	20.00	
Uthiko Milling Co.	F.	9.06	0.62	78.13			.....
Cincinnati, Ohio.								
CALF MEALS								
Blatchford's Calf Meal	G.	24.00	5.00	53.00	5.47	10.18	6 75	Locust bean meal, unpressed flaxseed, blood
Blatchford Calf Meal Co.	F.	26.02	4.71	53.62			6.17	flour, rice polish, old process linseed meal, dried milk albumen, barley meal, ground beans, wheat flour, cocoanut meal, re-cleaned cottonseed meal, cocoa shell meal, anise and salt.
Jersee Milk Food Compound	G.	9 00	4.50	.....	7.43	9.95	6.00	Powdered milk, St. John's bread, salt, starch,
Jersee Co.	F.	16.94	4.51	61.17			6.00	sugar, corn flour, flour middlings, dried blood, oxide of iron, calcium phosphate, anise.
Stevens' Milkade Calf Meal	G.	20.00	8.00	.....	8.34	9.35	7.50	Ground malt, linseed oil meal, wheat bran,
Park and Pollard Co.	F.	24.19	8.00	50.12			6.38	wheat flour, cocoanut oil meal, bone meal, rice polish, cocoa shell meal, wheat middlings, sesame oil meal, blood flour, charcoal and a small percentage of calcium carbonate, ground fenugreek, ground anise and salt.
Purina Calf Chow Feed	G.	27.00	3.20	55.00	3.22	10.99	4.50	Blood flour, linseed meal, hominy feed, yellow
Ralston Purina Co., Inc.	F.	26.16	1.53	58.10			3.37	corn feed meal, wheat flour and 1% salt.
Rydes' Cream Calf Meal	G.	25 00	5.00	55.00	4.75	10.47	6.75	Wheat flour, linseed oil meal, re-cleaned cot-
Ryde and Company ..	F.	26.71	5.00	52.30	5.52		6.75	tonseed meal, beans and lentils, hominy feed, malt flour, blood flour, ground flaxseed, malt flour, cocoa shell meal, fenugreek, anise and salt.
Security Food Compound	G.	9 80	4.50	.....	7.18	10.63	6.00	Locust beans, fenugreek ginger, anise, sodium
Security Food Co.	F.	17.16	4.62	60.41			6.00	chloride, oxide of iron, starch, sugar, corn flour, red dog, wheat middlings and powdered milk.
Ti-O-Ga Calf Food	G.	21.00	4.00	.....	7 68	9.41	7.00	Old process linseed oil meal, bone meal, wheat
Tioga Mill & Elevator Co.	F.	26.18	5.78	50.95			5 38	middlings, blood meal, cocoanut oil meal, sifted oats meal, cane molasses, cottonseed meal, phosphate of lime, salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Crude Fiber	Certified by manufacturer to contain
	Protein	Fat	Carbo-hydrates	Ash	Moist-ure			
COMPOUNDED FEEDS								
Armour's Steam Cooked Feed	G.	9.00	4.00	64.00	.....	.....	9.00	Ground corn, ground oats, hominy feed, oat hulls, oat shorts, $\frac{1}{2}$ of 1% salt.
Armour Grain Co. Chicago, Ill.	F.	9.85	6.12	71.60	4.25	8.17	8.34	
Iroquois Creamery Feed	G.	18.00	4.00	58.00	.....	.....	13.00	Corn feed meal, hominy feed, corn gluten feed, cottonseed meal, oat shorts, oat hulls, wheat bran, wheat middlings containing mill run of screenings, $\frac{1}{2}$ of 1% salt.
Armour Grain Co. Chicago, Ill.	F.	16.46	6.57	62.52	4.82	9.63	12.85	
Pennant Brand Stock Feed	G.	9.00	5.00	60.00	.....	.....	12.00	Fine white hominy and oat by-products, oat middlings, oat hulls, and oat shorts.
E. W. Bailey & Co. Swanton, Vt.	F.	9.26	5.84	71.44	3.67	9.79	11.19	
Clover Leaf Stock Feed	G.	10.00	3.50	60.00	.....	.....	15.00	Hominy feed, corn feed meal, wheat middlings, oat meal mill by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}$ of 1% fine table salt.
Clover Leaf Milling Co. Buffalo, N. Y.	F.	9.27	4.66	72.12	4.53	9.42	13.42	
Cowee's Stock Feed	G.	9.00	4.00	45.00	.....	.....	10.00	Ground oats, hominy feed and oat meal mill by-products, oat middlings, oat shorts, oat hulls, $\frac{1}{2}$ of 1% salt.
E. A. Cowee Co. Fitchburg, Mass.	F.	9.00	5.68	72.31	4.43	8.58	10.00	
Horse Feed	G.	10.00	3.00	50.00	.....	.....	14.00	Cracked corn, crushed oats, cane molasses, alfalfa meal, $\frac{1}{2}$ of 1% salt.
J. Cushing Co. Fitchburg, Mass.	F.	9.23	3.07	73.46	2.88	11.36	5.68	
Stock Feed	G.	10.00	3.00	50.00	.....	.....	10.00	Corn feed meal, wheat middlings, hominy feed, choice cottonseed meal, oat meal mill by-products, reground grain screenings.
J. Cushing Co. Fitchburg, Mass.	F.	14.26	3.29	69.06	1.83	11.56	8.13	
Grandin's Stock Feed	G.	9.00	5.00	55.00	.....	.....	12.00	Corn meal, corn feed meal, hominy feed, wheat middlings, ground barley, oat meal mill by-products, oat middlings, oat hulls, oat shorts, $\frac{1}{2}$ of 1% salt, wheat middlings, may contain ground screenings not exceeding mill run.
D. H. Grandin Milling Co. Jamestown, N. Y.	F.	9.32	6.58	71.47	4.05	8.58	10.85	

Homestead Stock Feed Illinois Feed & Elevator Co. Bloomington, Ill.	G. F.	9.00 7.53	3.50 3.25	76.67	2.31	10.24	9.00 8.37	Whole ground corn, oats, barley, kaffir, corn, hominy feed, corn germ meal, oat meal mill by-products, oat middlings, oat flour and oat hulls.
Special Stock Feed Illinois Feed & Elevator Co. Bloomington, Ill.	G. F.	8.00 8.00	3.00 4.36	5.00 74.40	3.16	10.08	9.00 9.00	Whole ground corn, oats, barley, wheat, mill by-products, oat flour, oat middlings, oat hulls.
Imperial Steam Cooked Feed Imperial Grain & Milling Co. Toledo, Ohio.	G. F.	9.50 10.30	4.00 4.45	73.09	2.38	9.77	4.00 6.54	
Lancaster Stock Feed Lancaster Mill & Elevator Co. Lancaster, Pa.	G. F.	10.00 11.34	3.00 5.24	69.59	3.97	9.86	10.00 8.96	Corn feed meal, wheat middlings, hominy feed, cottonseed meal, oat meal mill by-products, rectified screenings.
Jumbo Stock Feed McMillen Co. Fort Wayne, Ind.	G. F.	9.00 8.61	4.00 3.45	72.54	2.97	12.43	11.00 10.98	Ground corn, ground oats, ground barley, ground kafir, corn feed meal, oat hulls, oat middlings, oat shorts, ground screenings from wheat, corn, oats, barley, kaffir, buckwheat, millet, sunflower seed.
Stock Feed McQuesten & Lewis Manchester, N. H.	G. F.	12.00 13.11	3.00 3.70	60.00 68.17	4.55	10.47	12.00 11.91	
Pilgrim 1620 Ration Park & Pollard Co. Boston, Mass.	G. F.	9.00 10.04	4.00 3.67	60.00 71.19	4.83	10.27	9.00 7.98	Ground ear corn, barley, oats, rice bran, calcium carbonate, salt.
Stock Feed Park & Pollard Co. Boston, Mass.	G. F.	9.00 9.59	4.00 3.04	50.00 72.22	5.16	9.99	12.00 11.19	Ground corn, hominy feed, oat hulls, oat middlings, oat shorts, old process linseed meal, calcium carbonate and salt.
Iowa Stock Feed Purity Oats Co. Davenport, Iowa.	G. F.	10.00 9.46	4.00 3.91	72.45	4.37	9.81	12.75 12.75	Wheat middlings, corn meal, hominy feed, brewers dried grains, corn gluten feed, oat meal mill by-products, oat shorts, oat hulls, oat middlings and 1% of table salt.
Purity Stock Feed Purity Oats Co. Davenport, Iowa.	G. F.	10.00 10.29	4.00 4.24	71.97	4.04	9.46	12.75 12.75	Wheat middlings, corn meal, hominy feed, corn gluten feed, oat meal mill by-products, oat shorts, oat hulls, oat middlings and 1% table salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo-hydrates	Ash	Moist-ure	Crude Fiber	
Green Cross Horse Mixed Feed with Molasses	10.00	2.50	54.00	5.48	10.64	13.50	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt.
Quaker Oats Co. Chicago, Ill.	10.92	2.01	70.95	5.48	10.64	11.95	
Schumacker Feed	10.00	3.25	58.00	3.53	9.78	12.00	Ground corn, hominy feed, yellow hominy feed, ground barley, cottonseed meal, old process linseed oil meal, low grade wheat flour, wheat bran and wheat middlings with ground screenings not exceeding mill run, oat meal mill by-products, oat middlings, oat shorts, oat hulls, ¼ of 1% salt.
Quaker Oats Co. Chicago, Ill.	11.00	4.13	71.56	3.53	9.78	11.16	
Sugared Schumacker Feed	10.00	3.25	58.00	4.53	8.87	12.00	Ground corn, hominy feed, yellow hominy feed, ground barley, molasses, cottonseed meal, old process linseed oil meal, low grade wheat flour, wheat bran and wheat middlings with ground screenings not exceeding mill run, oat meal mill by-products, oat middlings, oat hulls, ¼ of 1% salt.
Quaker Oats Co. Chicago, Ill.	11.37	3.88	71.35	4.53	8.87	11.86	
White Diamond Stock Feed	8.50	2.50	62.00	3.10	10.52	10.00	Fine ground corn, oat meal mill by-products, oat middlings, oat hulls, oat shorts, ½ of 1% salt.
Quaker Oats Co. Chicago, Ill.	8.07	3.12	75.19	3.10	10.52	9.19	
White Diamond Stock Feed	8.00	3.00	60.00	3.41	9.74	14.00	Ground corn, hominy feed, barley feed, oat meal mill by-products, oat hulls, oat shorts, oat middlings, ¾ of 1% salt.
Quaker Oats Co. Chicago, Ill.	8.23	3.17	75.45	3.41	9.74	13.56	
Purina O'Molene Feed	9.70	3.20	67.00	4.39	10.66	8.00	Cracked corn, oats, ground alfalfa, molasses
Ralston Purina Co. St. Louis, Mo.	9.71	3.67	71.57	4.39	10.66	9.26	
New Hampshire Stock Feed	13.00	4.50	65.00	2.88	11.01	9.00	Ground fancy oats, hominy, bran, oil meal.
Rockingham County Farmers' Exchange Exeter, N. H.	13.58	5.41	67.12	2.88	11.01	7.44	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff							Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber		
Owl Brand 41 High-Grade Cottonseed Meal	G. 41.00	6.00	22.00	...	.....	10.00	Made from cottonseed.
F. W. Brode & Co. Memphis, Tenn.	F. 42.62	7.27	36.50	6.84	6.77	.....	
Buckeye Cottonseed Meal	G. 36.00	5.00	30.00	...	.....	14.00	.....
Buckeye Cotton Oil Co. Cincinnati, Ohio.	F. 36.40	6.03	44.66	6.02	6.89	.....	
Choice Cotton Seed Meal	G. 41.13	7.00	28.00	...	.....	10.00	.....
Cameron-Daniel Co. Atlanta, Ga.	F. 41.49	8.59	35.66	6.32	7.94	.....	
Good Cottonseed Meal	G. 36.00	5.50	27.00	...	.....	14.00	Made from upland cottonseed only.
Cameron-Daniel Co. Atlanta, Ga.	F. 36.00	6.54	45.18	5.99	6.29	.....	
"Beauty Brand" Cottonseed Meal	G. 36.00	6.00	.....	...	.....	14.00	Made from cottonseed meal and cottonseed hulls.
S. P. Davis	F. 36.01	7.34	42.39	6.40	7.86	.....	
Little Rock, Arkansas.								
Cottonseed Meal, St. Clair Brand	G. 36.00	5.00	.....	...	.....	16.00	.....
East St. Louis Cotton Oil Co. National Stock Yards, Ill.	F. 36.29	6.12	44.31	6.20	7.08	.....	
Good Cottonseed Meal	G. 36.00	5.50	27.00	...	.....	14.00	Made from upland cottonseed only.
W. D. Hall Co. Atlanta, Ga.	F. 35.77	5.98	44.20	6.02	8.03	.....	
Rabbitfoot Brand Cottonseed Cake and Meal	G. 43.00	5.00	.....	...	.....	12.00	.....
Head and Company	F. 43.26	6.09	37.85	5.78	7.02	.....	
Dallas, Texas.								
Bull Brand Cottonseed Meal	G. 43.00	5.00	26.00	...	.....	10.00	Made from pressed cottonseed.
Humphreys-Godwin Co. Memphis, Tenn.	F. 44.46	7.57	34.13	6.12	7.72	.....	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
DAIRY FEEDS							
Capital Dairy Ration	G. 23.00	5.50	48.00	.....	.....	10.00	.....
E. W. Bailey & Co. Swanton, Vt.	F. 24.51	5.76	54.29	4.47	10.97	7.93	
Bar-X Dairy Feed	G. 16.00	2.70	.....	.....	.....	15.00	Dried yeast grains, ground screenings, gluten feed, alfalfa meal, wheat bran, molasses, cot- tonseed meal, salt.
Buckeye Cereal Co. Massillon, Ohio.	F. 16.80	4.15	62.42	7.60	9.03	13.26	
Green Mountain Dairy Ration	G. 25.00	6.00	50.00	.....	.....	10.00	Cottonseed meal, bran, ground oats, ground barley, gluten, hominy, oil meal.
Caledonia Mills, Inc. St. Johnsbury, Vt.	F. 23.33	4.94	57.71	4.59	9.43	10.00	
Unicorn Dairy Ration	G. 24.00	4.50	50.00	.....	.....	10.00	Cottonseed meal, linseed meal, corn gluten meal, corn gluten feed, corn oil meal, brewers' grains, wheat bran, hominy meal, salt.
Chapin & Co. Hammond, Ind.	F. 24.52	5.62	54.14	6.27	9.45	8.26	
Advanced Rectistry Dairy Feed	G. 25.00	5.50	50.00	.....	.....	11.00	Hominy feed, corn gluten feed, linseed meal, old process, coconut oil meal, old process, wheat bran, wheat middlings, dried grains cut from barley, malt and corn, cottonseed meal and ½ of 1% salt.
Cloverleaf Milling Co. Buffalo, N. Y.	F. 27.08	6.72	52.81	5.06	8.33	9.16	
Clover Leaf Mills Dairy Feed	G. 16.00	4.00	50.00	.....	.....	14.00	Cottonseed meal, pure old process linseed meal, coconut oil meal, cleaned ground and bolted grain screenings, ground and bolted clipped cut by-product, molasses and ½ of 1% fine table salt.
Clover Leaf Milling Co. Buffalo, N. Y.	F. 16.00	4.82	61.93	8.19	9.06	14.00	
Master Grain Ration	G. 24.00	5.00	50.00	.....	.....	10.00	Cottonseed meal, corn gluten feed, linseed meal, old process, coconut oil meal, old pro- cess, wheat bran, wheat middlings, dried grains from barley, malt and corn, molasses and ½ of 1% fine table salt.
Clover Leaf Milling Co. Buffalo, N. Y.	F. 26.08	5.53	53.10	5.88	9.41	8.79	

Peerless Milk Ration	G.	20 00	4.50	50 00	8.13	....	12.00	Cottonseed meal, pure old process linseed meal, cocoanut oil meal, corn gluten feed, wheat bran, clipped grains from barley, malt and corn, clipped ground and bolted grain screenings, ground oat by-products, molasses and 1/2 of 1% salt.
Clover Leaf Milling Co. Buffalo, N. Y.	F.	21.59	5.34	55.78	9.16	....	9.91	
1917 Dairy Ration	G.	22.50	5.50	45.00	....	....	9.00	Gluten feed, linseed meal, cottonseed meal, cocoanut oil meal, ground oats, wheat bran, wheat middlings and salt.
E. A. Covee Co. Fitchburg, Mass.	F.	23.58	5.55	56.50	4.95	9.42	9.00	
Cushing's Dairy Feed	G.	25.00	5.00	40.00	....	....	12.00	Choice cottonseed meal, wheat middlings, wheat bran, beet pulp, old process linseed meal, cocoanut oil meal, corn gluten feed, corn gluten meal and 1/2 of 1% salt.
J. Cushing Co. Fitchburg, Mass.	F.	25.35	5.53	55.16	4.95	9.01	12.00	
Dairy Feed	G.	24 00	5.00	40.00	....	....	12.00	Choice cottonseed meal, wheat bran, wheat middlings, old process oil meal, alfalfa meal, cane molasses, cocoanut oil meal, corn gluten feed, corn gluten meal, 1/2 of 1% salt.
J. Cushing Co. Fitchburg, Mass.	F.	24.96	5.00	55.67	5.62	8.75	11.86	
Eastern States Dairy Ration	G.	22.00	5.00	55.00	....	....	10.00	Corn gluten feed, old process oil meal, cottonseed meal, wheat bran, hominy, pure ground oats, 1/2 of 1% salt.
Eastern States Farmers' Exchange .. Springfield, Mass.	F.	23.49	5.07	56.51	4.87	10.06	9.86	
Grandin's Twin Six Dairy Feed	G.	22.00	5.00	50.00	....	....	12.00	Linseed oil meal, cottonseed meal, cocoanut oil meal, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, wheat middlings with palm oil, ground oats, alfalfa meal, 1/2 of 1% salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.
D. H. Grandin Milling Co. Jamestown, N. Y.	F.	22.00	5.26	57.11	6.47	9.16	11.67	
Avalon Dairy Feed	G.	25 00	5.50	50.00	....	....	11.00	Hominy feed, pure old process linseed meal, cocoanut oil meal, corn gluten feed, dried grains from barley, malt and corn, wheat bran, wheat middlings, cottonseed meal and 1/2 of 1% fine table salt.
Frank K. Hatfield	F.	25.68	6.21	53.58	5.75	8.78	10.06	
Boston, Mass.								
Homestead Dairy Feed	G.	22.00	5.00	50.00	....	....	10.00	Corn distillers dried grains, linseed meal, prime cottonseed meal, corn gluten feed, dried sugar beet pulp, corn feed meal, wheat bran, salt and calcium carbonate.
Illinois Feed & Elevator Co. Bloomington, Ill.	F.	22.17	6.16	55.94	5.92	9.81	8.19	
International Diamond Dairy Feed ..	G.	24.00	5.00	42.00	....	....	10.00	Corn gluten feed, wheat bran, old process oil meal, cottonseed meal, molasses, ground and bolted screenings from wheat, salt.
International Sugar Feed Co. Minneapolis, Minn.	F.	24.00	5.68	55.88	4.65	9.79	10.31	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Moisture	Crude Fiber	Certified by manufacturer to contain
	Protein	Fat	Carbo-hydrates	Ash					
International Special Dairy Feed International Sugar Feed Co. Minneapolis, Minn.	15.00 15.29	4.50 5.84	47.00 58.27	10.68	9.92	12.00 10.89	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, middlings, ground clipped oats by-products, ground dried grain screenings, salt.		
A Dairy Mixture C. H. Jameson Colebrook, N. H.	24.29	6.62	54.44	5.04	9.61	9.13	Bran, cottonseed, linseed, hominy, ground oats, middlings, distillers' dried grains.		
B Mixture C. H. Jameson Colebrook, N. H.	23.02	6.07	56.67	4.78	9.46	10.19	Bran, cottonseed, linseed, gluten, hominy meal, ground oats, middlings, distillers' dried grains, beet pulp.		
Larro Ready Ration Larroe Milling Co. Detroit, Mich.	20.00 21.71	3.50 4.06	58.00 60.10	5.15	8.98	14.00 12.19	Cottonseed meal, corn gluten feed, old process linseed oil meal, wheat bran, wheat middlings, dried beet pulp and 3/4 of 1% salt, bran and middlings containing ground screenings not exceeding mill run.		
Bull Brand Dairy Ration Maritime Milling Co., Inc. Buffalo, N. Y.	24.00 26.05	6.00 6.17	50.00 52.77	5.26	9.76	12.00 10.92	Dried brewers' grains, dried malt grains, old process oil meal, cottonseed meal, corn gluten feed, hominy feed, coconut meal, wheat bran, wheat middlings, ground oats and 3/4 of 1% salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.		
Noyes' Milk or Bust D. Allen Noyes Colebrook, N. H.	23.69	5.64	56.64	4.67	9.36	8.26	Bran, gluten, oil meal, cottonseed meal, white hominy, ground oats, 3/4 of 1% salt.		
Stevens' Economy Feed Park & Pollard Co. Boston, Mass.	24.00 25.04	6.00 6.54	43.00 53.13	6.57	8.72	8.00 12.79			

Stevens' 44 Dairy Ration Park & Pollard Co. Boston, Mass.	G. F.	24.00 25.50	5.00 6.38	40.00 52.60	6.91 8.61	14.00 11.59	Linsseed oil meal, cottonseed meal, wheat bran with mill run of screenings, corn, gluten feed, cocanut oil meal, pea meal, brewers' dried grains, corn distillers' dried grains, rice bran, ground barley, wheat middlings, hominy meal, corn germ meal, buckwheat middlings, corn meal, salt.
Pillsbury's Dairy Ration Pillsbury Flour Mills Co. Minneapolis, Minn.	G. F.	19.00 20.31	4.00 5.01	50.00 58.24	6.17 10.27	11.00 9.98	Ground oats, wheat bran, hominy feed, linsseed meal, corn gluten feed, wheat standard middlings, cottonseed meal, and salt.
Iowa Dairy Feed Purity Oats Co. Davenport, Iowa.	G. F.	24.00 24.06	5.00 5.98	50.00 56.28	5.06 8.62	10.00 7.91	Cottonseed meal, corn meal, hominy feed, flour middlings, cooked barley and oat meal, brewers' dried grains, oil meal, corn gluten feed, oat meal mill by-products, oat shorts, oat hulls, oat middlings and 1% of table salt.
The Big Q Dairy Ration Quaker Oats Co. Chicago, Ill.	G. F.	21.00 25.35	4.50 5.46	50.00 54.83	5.28 9.08	12.00 10.93	Hominy feed, yellow hominy feed, cottonseed meal, corn distillers grains, corn gluten meal, old process linsseed oil meal, wheat bran and wheat middlings with ground screenings not exceeding mill run, oat meal mill by-products, oat middlings, oat hulls, oat shorts, calcium phosphate, 1% salt.
Purina 24% Cow Chow Feed Ralston Purina Co. St. Louis, Mo.	G. F.	24.00 24.73	4.30 5.38	53.00 54.31	6.38 9.20	12.00 10.41	Linsseed oil meal, old process, gluten feed from corn, hominy feed, corn feed meal, cottonseed meal, molasses, ground alfalfa, 1% salt.
New Hampshire Dairy Ration Rockingham Co. Farmers' Exchange Exeter, N. H.	G. F.	19.00 20.77	5.50 4.84	51.00 59.51	3.91 10.97	7.50 7.34	Ground fancy oats, oil meal, bran, cottonseed meal.
Paragon Dairy Feed St. Albans Grain Co. St. Albans, Vt.	G. F.	22.00 21.19	4.00 5.03	44.00 58.64	5.42 9.72	14.00 11.65	Cottonseed meal, linsseed oil meal, corn gluten feed, oat feed, oat meal mill by-products, oat middlings, oat shorts, oat hulls, ground corn and corn screenings, wheat bran with ground screenings not exceeding mill run, and not over 1% salt.
Wirthmore Balanced Ration St. Albans Grain Co. St. Albans, Vt.	G. F.	25.00 28.08	5.50 5.77	55.00 52.07	4.76 9.32	11.00 9.78	Cottonseed meal, linsseed meal, corn gluten feed, wheat bran, wheat middlings not exceeding mill run of screenings, corn distillers' grains, hominy or corn meal and not over 3/4 of 1% salt.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff					Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure		Crude Fiber
Winthmore Dairy Feed with Beet Pulp St. Albans Grain Co., St. Albans, Vt.	G. 21.00 F. 25.35	4.00 4.31	55.00 55.74	4.58	..... 10.02	12.50 10.92 Beet pulp, cottonseed meal, linseed meal, wheat bran, wheat middlings, corn distillers grains, corn gluten feed, corn meal, and not over $\frac{3}{4}$ of 1% dairy salt.
F. S. Co. Dairy Feed Frank Smith Co., Lancaster, N. H.	G. 20.00 F. 20.21	4.00 4.56	48.00 59.84	..... 5.13	..... 10.26	11.00 9.12 Ground oats, corn meal, cottonseed meal, linseed oil meal, wheat bran, wheat middlings, gluten, beet pulp, 1% salt.
White Brand Tri-O-Ga-Dairy Feed Tiooga Mill & Elevator Co., Waverly, N. Y.	G. 17.00 F. 22.42	4.00 5.19	..... 56.55	..... 5.28	..... 10.56	12.00 8.19 Cottonseed meal, corn feed meal, corn meal or hominy, wheat middlings, corn gluten feed, linseed oil meal, wheat bran, cane molasses, salt.
Union Grains Biles Ready Dairy Ration Uhibo Milling Co., Cincinnati, Ohio.	G. 24.00 F. 24.96	5.00 5.35	50.00 54.01	..... 5.37	..... 10.31	10.00 8.72 Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, corn germ meal, coconut oil meal, corn gluten feed, brewers' dried grains, barley, malt sprouts, $\frac{1}{2}$ % fine table salt.
Blue Seal Dairy Feed H. K. Webster Co., Lawrence, Mass.	G. 22.00 F. 22.59	5.00 5.00	50.00 57.63	..... 4.49	..... 10.29	10.00 9.02 Cottonseed meal, linseed oil meal, gluten feed bran, corn meal, crushed oats, bean meal and alfalfa.
Milk Queen Dairy Feed With Pulp Webster-Tappan Co., Boston, Mass.	G. 20.00 F. 23.80	3.50 4.86	58.00 57.59	..... 4.26	..... 9.49	12.00 9.91 Corn gluten feed, old process linseed oil meal, cottonseed meal, dried beet pulp, wheat middlings, wheat bran and $\frac{1}{2}$ of 1% fine table salt.
Wright's Favorite Dairy Feed Charles F. Wright, Bellows Falls, Vt.	G. 20.00 F. 21.50	3.00 4.88	50.00 57.19	..... 6.89	..... 9.54	10.00 8.71 Cottonseed meal, linseed meal, wheat bran, corn gluten feed, ivory nut meal, coconut oil meal, corn feed meal, starch, mill corn solubles with calcium salts, salt.

DISTILLERS' GRAINS											
Rossville Distillers' Dried Grains	G.	30.00	10.00	.....	2.82	.....	13.00	Made principally from corn.	.....	6.77	.....
Rossville Co.	F.	32.37	11.67	46.37							
Lawrenceburg, Ind.											
Farmer Jones Corn Distillers' Grains	G.	30.00	7.00	.....	.....	.....	14.00	Corn distillers' grains.	.....	6.38	.....
U. S. Food Products Corp.	F.	31.33	10.93	49.60							
Peoria, Ill.											
GLUTEN FEEDS											
Cream of Corn Gluten Feed	G.	23.00	1.50	.....	3.58	.....	8.50		.....	7.89	.....
American Maize Products Co.	F.	23.31	2.84	62.38							
New York, N. Y.											
Clinton Corn Gluten Feed	G.	23.00	2.00	52.00	.....	.....	8.00		.....	11.22	.....
Clinton Corn Syrup Refining Co.	F.	25.60	3.00	57.33							
Clinton, Iowa.											
Buffalo Corn Gluten Feed	G.	23.00	1.00	50.00	.....	.....	8.50	Corn gluten feed.	.....	8.97	.....
Corn Products Refining Co.	F.	27.39	1.77	57.71							
New York, N. Y.											
Diamond Corn Gluten Meal	G.	40.00	1.00	40.00	.....	.....	4.00		.....	8.57	.....
Corn Products Refining Co.	F.	43.33	2.60	44.38							
New York, N. Y.											
Jenk's Corn Gluten Feed	G.	22.00	3.00	.....	.....	.....	8.00	Corn starch, by-products with corn bran.	.....	7.16	.....
Huron Milling Co.	F.	24.20	4.18	62.05							
Harbor Beach, Mich.											
Douglas Corn Gluten Feed	G.	23.00	1.00	60.00	.....	.....	8.00		.....	9.16	.....
Penick & Ford Ltd., Inc.	F.	28.87	2.08	56.36							
Chicago, Ill.											
Staley's Corn Gluten Feed	G.	23.00	1.00	50.00	.....	.....	8.00		.....	8.53	.....
A. E. Staley Mfg. Co.	F.	23.09	2.79	62.62							
Decatur, Ill.											

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff							Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber		
HOG FEEDS								
Blatchford's Pig Meal	G. 18.00	5.00	62.00	.....	.....	7.00	Old process oil meal, locust bean, barley meal,
Blatchford Calf Meal Co.	F. 22.20	5.00	58.68	5.26	8.86	7.00	malt sprouts, oat meal, corn, cottonseed, corn	
Waukegan, Ill.							meal, cocoa shell meal, blood flour, ground	
Bicorn Hog Feed	G. 17.50	4.00	57.50	.....	.....	6.00	beans and peas, unpressed flaxseed, wheat
Chapin & Co.	F. 18.17	5.73	59.83	7.46	8.81	4.92	flour, rice polish, anise, salt.	
Hammond, Ind.							Digester tankage, peanut oil meal, wheat	
Hog Meal	G. 16.00	5.00	.....	.....	.....	6.00	flour, linseed meal, hominy meal, wheat mid-
J. Cushing Co.	F. 16.60	5.86	60.98	4.82	11.74	6.00	dings, corn germ meal, barley, oats, bone	
Fitchburg, Mass.							meal, starch, mill corn solubles with calcium	
Grandin's Hog Feed	G. 18.00	5.00	.....	.....	.....	10.00	salts, salt.
D. H. Grandin Milling Co.	F. 20.97	5.51	55.07	9.77	8.68	7.86	Digester tankage, dried buttermilk, corn feed	
Jamestown, N. Y.							meal, wheat middlings, wheat bran, hominy	
Hinckley Hog Tankage	G. 30.00	5.00	.....	.....	.....	.....	feed, old process oil meal, chareoal.
Hinckley Rendering Co.	F. 30.00	7.16	.....	50.01	7.08	.....	Linseed oil meal, coconut oil meal, wheat
Somerville, Mass.							middlings, corn meal, corn feed meal or hom-	
Homstead Hog Feed	G. 16.00	4.50	.....	.....	.....	5.50	iny feed, ground meat and bone, calcium car-
Illinois Feed & Elevator Co.	F. 14.49	5.00	65.52	4.05	10.94	3.59	bonate, alfalfa meal and 1/2 of 1% salt. Wheat	
Bloomington, Ill.							middlings may contain ground screenings not	
Larrowe Hog Feed	G. 18.00	5.00	.....	5.00	.....	10.00	exceeding mill run.
Larrowe Milling Co.	F. 22.66	6.61	55.05	5.39	10.29	8.16	Digester tankage, corn germ meal, corn feed	
Detroit, Mich.							meal.	
							Corn germ meal, old process linseed oil meal,	
							hominy feed meal meal, wheat middlings,	
							wheat bran, dried beet pulp, 1/2 of 1% salt.	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
LINSEED MEALS							
Old Process Ground Oil Cake	G. 34.00	5.00	.....	.....	.....	10.00	
Archer-Daniels Linseed Co. Buffalo, N. Y.	F. 35.93	8.47	42.56	4.97	8.07	.....
Old Process Ground Oil Cake	G. 31.00	5.00	.....	.....	.....	10.00	
Archer-Daniels Linseed Co. Buffalo, N. Y.	F. 33.77	6.27	46.06	5.29	8.61	.....
Oil Meal Old Process	G. 35.00	5.00	.....	.....	.....	8.00	
American Linseed Co. Buffalo, N. Y.	F. 38.11	5.54	41.59	4.66	10.10	.....
Oil Meal Old Process	G. 32.00	5.00	.....	.....	.....	8.00	
American Linseed Co. Buffalo, N. Y.	F. 36.78	5.85	42.31	5.11	9.95	.....
Oil Meal Old Process	G. 34.00	5.00	.....	.....	.....	8.00	
American Linseed Co. Buffalo, N. Y.	F. 39.13	6.43	39.89	4.68	9.87	.....
Old Process Linseed Meal and Old Process Screenings Oil Feed	G. 30.00	5.00	30.00	.....	.....	10.00	
American Milling Co. Peoria, Ill.	F. 32.31	6.19	46.43	5.79	9.28	.....
Pure Oil Meal, Old Process	G. 37.00	7.00	.....	.....	.....	9.00	
Kellogg & Miller	F. 32.56	6.05	45.94	5.58	9.87	.....
Amsterdam, N. Y.							
Pure Old Process Linseed Oil Meal	G. 35.00	6.00	.....	.....	.....	10.00	
Mann Bros. Co. Buffalo, N. Y.	F. 35.44	7.13	42.26	4.73	10.44	.....
Pure Old Process Linseed Oil Meal	G. 33.00	6.00	.....	.....	.....	10.00	
Mann Bros. Co. Buffalo, N. Y.	F. 35.35	6.00	43.25	4.99	10.41	.....

Ground Linseed Cake, Old Process	G.	34.00	5.00	40.12	5.04	10.39	9.50
Midland Linseed Products Co.	F.	37.17	7.28				
Minneapolis, Minn.							
Old Process Ground Linseed Cake	G.	30.00	5.00	39.11	5.50	10.02	9.50
Midland Linseed Products Co.	F.	38.50	6.87				
Minneapolis, Minn.							
Pure Old Process Oil Meal	G.	31.00	5.00	46.70	6.10	10.87	10.00
Shenker Kellogg & Sons, Inc.	F.	29.67	6.66				
Buffalo, N. Y.							
Oil Meal, Pure Old Process	G.	33.00	5.00	44.17	5.06	8.51	10.00
Spencer Kellogg & Sons, Inc.	F.	36.10	6.16				
Buffalo, N. Y.							
MISCELLANEOUS FEEDS							
Kiln Dried Corn and Oats Chop	G.	10.00	4.00	73.43	1.41	12.16	6.00
Ansted & Burk Co.	F.	9.32	3.68				3.89
Springfield, Ohio.							
Oat Hulls	G.	4.00	1.50	80.61	6.74	7.29	30.00
Armour Grain Co.	F.	4.05	1.31				
Chicago, Ill.							
Dog Food	G.	30.00	10.00	45.76	5.02	13.12	
John C. Dow Co.	F.	27.24	8.86				
Boston, Mass.							
Illinois Snowflake Meal	G.	9.50	4.50 ^a	74.18	1.20	11.69	3.00
Illinois Feed & Elevator Co.	F.	9.04	3.89				2.66
Bloomington, Ill.							Whole ground corn.
Whole Ground Corn and Oats	G.	10.00	4.00	69.89	2.38	11.66	7.00
Illinois Feed & Elevator Co.	F.	10.31	5.76				5.96
Bloomington, Ill.							Corn and oats.
Purity Oat Groat Nutriment	G.	14.00	5.00	65.00	2.56	7.66	4.00
Purity Oats Company	F.	15.96	6.25	67.57			2.81
Davenport, Iowa.							Steam cooked oat groat.
Purity Oat Feed	G.	5.00	1.75	77.38	6.77	7.77	32.65
Purity Oat Co. of Keo Kuk	F.	6.33	1.75				
Keo Kuk, Iowa.							Oat middlings, oat shorts, oat hulls.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
POULTRY FEEDS							
Protex Pure Ground Meat Scraps G.	55.00	10.00	.....	.....	.....	.....
American Agricultural Chemical Co. F. New York City.	56.82	14.38	.....	20.44	6.04	.....
Humpty-Dumpty Poultry Mash Feed G.	17.00	4.00	52.50	.....	.....	9.25	Wheat middlings and bran, alfalfa meal, corn meal, kafir meal, meat scrap and gluten.
Ansted & Burk Co. F. Springfield, Ohio.	16.41	4.85	62.63	5.84	10.27	8.50	
Armour's Cak-Cak-Laying Mash G.	20.00	3.00	50.00	.....	.....	9.00	Meat scraps, fish meal, oat meal, alfalfa meal, linseed meal, bone meal, corn meal, wheat bran containing mill run ground screenings, yellow hominy feed, carbonate of lime 1%, salt ½%.
Armour Grain Co. F. Chicago, Ill.	20.04	5.92	56.57	7.81	9.66	8.73	
Illinois Poultry Mash G.	15.00	4.00	60.00	.....	.....	6.00	Corn feed meal, hominy feed, corn gluten feed, oat middlings, oat meal, wheat bran, wheat middlings containing mill run of ground screenings, ½ of 1% salt.
Armour Grain Co. F. Chicago, Ill.	16.70	7.16	62.28	4.69	9.17	6.00	
Beach's Star Brand Beef Scraps G.	35.00	10.00	.....	.....	.....	.....
Beach Soap Co. F. Lawrence, Mass.	39.87	18.09	.....	33.15	4.99	.....
Beach's Superior Beef Scraps G.	50.00	15.00	.....	.....	.....	.....
Beach Soap Co. F. Lawrence, Mass.	50.00	17.02	.....	5.58	6.03	.....
Blatchford's Chick Mash G.	20.00	4.00	52.00	.....	.....	7.50	Milk albumen, meat, fish, bone, blood, dried milk albumen, meat scraps, fish meal, blood flour, bone meal, corn meal, oat meal, wheat middlings, cocoa shell meal, locust bean meal, rice polish, old process linseed meal, coconut oil, meal, wheat flour, barley meal, calcium carbonate.
Blatchford Calf Meal Co. F. Waukegan, Ill.	21.54	5.35	52.41	10.07	10.63	6.82	

Burlington Poultry Feed Burlington Rendering Co. Burlington, Vt.	G. F.	50.00 52.47	12.00 12.08	..... .....	7 61	6.31 .....	..... .....	Cooked meat and bone scraps.
Climax Meat Mash Butman Grain Co. Lynn, Mass.	G. F.	14.50 16.68	5.00 5.66	60.35	6.46	10.85	8.00 6 15	Corn meal, rolled oats, wheat bran, middlings, gluten, alfalfa, meat scraps and bone ash.
Oro Laying Mash Chapin & Co. Hammond, Ind.	G. F.	18.00 19.70	4 50 6.34	50.00 58.35	6.88	8.73	8.00 7.17	Meat and bone meal, peanut oil meal, cocoanut oil meal, corn oil meal, corn gluten feed, wheat bran, wheat middlings, corn feed meal, ground oats, ground barley, starch, mill run corn solubles with calcium salts and salt.
Clover Leaf Egg Mash Clover Leaf Milling Co. Buffalo, N. Y.	G. F.	18.00 19.48	4.00 5.68	50.00 58.37	6 31	10.16	11.00 9 72	Linseed meal, old process, corn feed meal, ground oat meal, meat meal, alfalfa meal, wheat bran, wheat middlings, 1/2 of 1% fine table salt and dried buttermilk.
Peerless Laying Mash Clover Leaf Milling Co. Buffalo, N. Y.	G. F.	18.00 18.27	4.00 5.56	50.00 60.19	6.01	9.97	10.00 10 00	Pure old process linseed meal, meat meal, corn feed meal, wheat bran and wheat middlings, alfalfa meal, 1/2 of 1% fine table salt.
Lac-Ta-Fat Dried Buttermilk Collis Products Co. Clinton, Iowa.	G. F.	32.25 32.25	7 00 7.00	43.29 47.03	5.42	8.30 .....	..... 0 22	.....
Conkey's Starting Feed G. E. Conkey Co. Toledo, Ohio.	G. F.	12.00 12.98	3.00 6.62	60.00 64.17	5 49	10.74	4.00 4 40	Hulled oats, wheat middlings, corn meal, corn feed meal, buttermilk, bone.
Poultry Climax Mash E. A. Cowee Co. Fitchburg, Mass.	G. F.	20.00 19.15	3.50 4.27	45.00 56.38	8.98	11.22	10.00 9 16	Wheat bran, oats, barley, gluten, corn, wheat middlings, alfalfa meal, linseed, meat and bone meal, fish scraps and salt.
Buttermilk Baby Chick Starter J. Cushing Co. Fitchburg, Mass.	G. F.	10.00 16.34	4 00 5.67	65.00 66.24	3.36	8.29	5 00 5 00	Oat meal, kiln dried corn meal, wheat feed, wheat middlings, powdered buttermilk, bone meal, old process linseed meal.
Laying Mash J. Cushing Co. Fitchburg, Mass.	G. F.	20.00 22.19	5.00 5.88	45.00 52.45	7 95	11.53	7.00 5 86	Dried buttermilk, meat and fish scraps, wheat bran, corn feed meal, wheat middlings, corn gluten feed, ground oats, ground barley, hominy feed, old process oil meal, alfalfa meal.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo-hydrates	Ash	Moist-ure	Crude Fiber	
Delaware Laying Mash with Dried Milk Delaware Mills Deposit, N. Y.	G. 16.00	8.00	50.00	.....	.....	5.00	Dried milk, meat and bone scraps, linseed oil meal, wheat bran, corn feed meal, hominy feed, wheat middlings, corn gluten feed, ground milo maize, kafir corn, oats, barley, buckwheat, ½ of 1% salt.
	F. 15.56	4.33	62.83	4.76	12.52	4.76	
Dickinson's Globe Chick Mash Albert Dickinson Co. Chicago, Ill.	G. 18.00	4.00	50.00	.....	.....	8.00	Dried buttermilk, sifted meat scraps, corn feed meal, wheat middlings, oat flour, ground barley, fine ground alfalfa meal, 2% calcium carbonate, ½ of 1% salt.
	F. 16.74	4.65	62.27	6.71	9.63	6.65	
Dickinson's Globe Egg Mash Albert Dickinson Co. Chicago, Ill.	G. 20.00	5.00	55.00	.....	.....	10.00	Meat scraps, corn gluten feed, linseed oil meal, wheat bran, wheat middlings, corn feed meal, alfalfa meal, ½ of 1% salt.
	F. 19.33	5.64	57.57	7.68	9.78	9.57	
Dow's Ground Beef Scraps John C. Dow Co. Boston, Mass.	G. 43.00	12.00	.....	.....	.....	.....	Meat scraps.
	F. 47.95	13.80	.....	25.94	7.32	.....
Eastern's La-in Egg Mash Eastern Grain Co. Portland, Maine.	G. 20.00	5.00	.....	.....	.....	7.00	Dried buttermilk, meat scraps, fish scraps, corn gluten feed, ground oats, ground barley, hominy feed, old process oil meal, alfalfa meal.
	F. 22.53	6.46	53.17	6.98	10.86	7.00	
Eshelman's Laying Mash John W. Eshelman & Sons Lancaster, Pa.	G. 20.00	5.00	.....	.....	.....	7.00	Dried buttermilk, meat and fish scraps, wheat middlings, corn, feed meal, wheat bran, corn gluten feed, ground oats, ground barley, hominy feed, old process oil meal, alfalfa meal.
	F. 21.84	6.67	53.57	6.93	10.99	5.82	
Capital Meat and Bone Scraps Furbush & Co., Inc. Boston, Mass.	G. 40.00	10.00	.....	.....	.....	.....	Meat and bone scraps.
	F. 43.86	10.12	.....	33.47	6.23	.....

Grandin's Poultry Dry Mash with Buttermilk	G.	20.00	3.00	50.00	11.13	9.10	10.00	Ground fish, ground meat and bone, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, ground oats, ground scratch feed screenings consisting of corn, wheat, barley, kafir corn, milo, maize, buckwheat, powdered buttermilk, alfalfa meal, calcium carbonate and a small percentage of salt.
D. H. Grandin Milling Co. Jamestown, N. Y.	F.	19.09	4.05	56.63	11.13	9.10	9.69	
Greene's Buttermilk Poultry Mash	G.	14.00	5.00	56.29	18.15	7.69	7.00	Dried buttermilk, fish scraps, milk albumen, meat and bone scraps, shell lime, ground screenings, hominy feed, gluten feed, alfalfa meal, wheat bran and salt.
Greene Chick Feed Co. Marblehead, Mass.	F.	13.21	4.66	56.29	18.15	7.69	7.85	
Greene's First Feed	G.	16.00	3.00	40.00	15.33	8.19	7.00	White corn, steam cooked; yellow corn germ meal, shredded codfish, steam cooked; ground hulled oats, steam cooked; dried buttermilk, steam cooked; entire wheat, cod livers, steam cooked; oil meal flax screenings, gluten meal, dried blood, shell lime and fine ground meat and bone scraps.
Greene Chick Feed Co. Marblehead, Mass.	F.	17.18	5.37	53.93	15.33	8.19	5.18	
Greene's Poultry Food	G.	45.00	10.00	59.22	33.30	9.36	9.00	Meat, bone and salt.
Greene Chick Feed Co. Marblehead, Mass.	F.	41.49	11.83	59.22	33.30	9.36	7.85	
Red Comb Egg Mash with Dried Buttermilk	G.	16.00	4.50	45.00	7.31	10.37	9.00	Corn feed meal, ground oats, corn gluten feed, wheat middlings, linseed oil meal, meat scraps, alfalfa meal, dried buttermilk, and not over 5% calcium carbonate.
Hales & Hunter Co. Chicago, Ill.	F.	17.61	5.49	59.22	7.31	10.37	7.85	
Hinckley Poultry Feed	G.	30.00	8.00	58.66	38.29	5.42	9.00	Cooked meat and bone scraps, animal products.
Hinckley Rendering Co. Somerville, Mass.	F.	37.92	11.89	58.66	38.29	5.42	7.85	
Illinois Laying Mash	G.	18.00	4.00	50.00	5.98	10.42	9.00	Dried buttermilk, granulated meat meal, corn feed meal, alfalfa flour, wheat bran, wheat middlings, oat middlings and oat flour.
Illinois Feed & Elevator Co. Bloomington, Ill.	F.	19.35	5.59	58.66	5.98	10.42	7.65	
Kasco Full Nest Mash	G.	20.00	3.50	54.56	8.14	10.64	8.50	Wheat bran, wheat middlings, red dog flour, corn meal, ground kafir corn, linseed oil meal, corn gluten feed, ground oats, meat and bone scraps, fish scraps, 1/4 of 1% salt, beet pulp, alfalfa meal.
Kasco Mills Waverly, N. Y.	F.	23.03	3.63	54.56	8.14	10.64	6.92	

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
Perfection Poultry Feed Lowell Rendering Co. Lowell, Mass.	G. 55.00 F. 60.13	8.00 8.00	..... .....	..... 8.78	..... 10.87	..... .....	Cooked meat and bone scraps, animal products.
Peerless Poultry Feed Lowell Rendering Co. Lowell, Mass.	G. 40.00 F. 40.59	8.00 10.67	..... .....	..... 5.83	..... 7.16	..... .....	Animal products, cooked meat and bone scraps.
Wayne Egg Mash McMillen Co. Fort Wayne, Ind.	G. 18.00 F. 19.30	3.75 4.26	..... 58.41	..... 6.54	..... 11.49	10.00 7.92	Dried buttermilk, meat scraps, wheat bran, wheat middlings, corn gluten feed, corn feed meal, ground barley, cottonseed meal, oil meal, alfalfa meal, molasses.
Poultry Mash McQuesten & Lewis Manchester, N. H.	G. 11.00 F. 20.84	2.50 4.10	60.00 55.49	..... 9.09	..... 10.48	7.00 7.00	
Manchester Poultry Feed Manchester Rendering Co. Manchester, N. H.	G. 40.00 F. 45.47	12.00 15.38	..... .....	..... 11.26	..... 5.94	..... .....	Cooked meat and bone scraps, animal products.
Marsh's Pure Ground Scraps Geo. E. Marsh Co. Lynn, Mass.	G. 40.00 F. 41.64	8.00 10.33	..... .....	..... 15.59	..... 6.95	..... .....	Cooked meat and bone scraps.
Bonnie Booster Chick Starter Park & Pollard Co. Boston, Mass.	G. 12.00 F. 13.67	3.00 3.72	60.00 66.68	..... 3.93	..... 12.00	3.00 3.00	Ground corn, oats, barley, wheat middlings with mill run of screenings, dried buttermilk, calcium carbonate and salt.
Growing Feed Park & Pollard Co. Boston, Mass.	G. 10.00 F. 15.09	1.50 4.65	50.00 61.64	..... 7.68	..... 10.94	8.00 6.79	Ground corn, wheat, wheat screenings, oats, mill run of screenings, wheat bran with calcium carbonate and salt.
Lay or Bust Park & Pollard Co. Boston, Mass.	G. 18.00 F. 19.46	1.50 3.81	40.00 57.46	..... 9.64	..... 9.63	12.00 11.91	Ground corn, wheat, wheat screenings, oats, barley, kafir corn, buckwheat, alfalfa, fish meal, bone, wheat bran with mill run of screenings, wheat middlings, calcium carbonate and salt.

Maine Mash W. F. Peel Nashua, N. H.	G. F.	17.73	4.66	57.94	9.35	10.32	6.68	Brown middlings, ground oats, animal meal meal, gluten, corn meal, salt.
Portland Poultry Feed Portland Rendering Co. Portland, Maine.	G. F.	50.00 43.39	12.00 11.43	..... .....	13.78	6.76 .....	..... .....	Cooked meat and bone scraps, animal products.
Tom Boy Poultry Mash Purity Oats Co. Davenport, Iowa.	G. F.	18.00 18.48	4.50 4.66	56.28	1.80	8.78	10.00 9.86	Ground meat, wheat, oat meal, wheat middlings, milo maize, buckwheat, corn meal, barley, oat middlings, millet, gluten feed, kafir corn, alfalfa meal, hominy feed, wheat bran, oat germ meal, rock phosphate, salt, calcium carbonate and charcoal.
Tom Boy Buttermilk Mash Purity Oats Co. Davenport, Iowa.	G. F.	20.00 22.57	5.00 5.62	54.34	9.54	7.95	10.00 10.00	Dried buttermilk, corn gluten feed, corn meal, corn germ meal, hominy feed, ground oat meal, bran, standard middlings, pulverized meal, alfalfa meal, calcium carbonate, charcoal, and 1% table salt.
Ful-O-Pep Dry Mash Quaker Oats Co. Chicago, Ill.	G. F.	20.00 21.63	4.00 5.45	45.00 53.97	9.52	9.43	10.00 8.91	Hominy feed, yellow hominy feed, corn gluten feed, oat meal, cottonseed meal, wheat bran and wheat middlings, with ground screenings not exceeding mill run, bone meal, fish meal, meat scraps, alfalfa meal, ground grain screenings from wheat.
Purina Chicken Chowder Feed Ralston Purina Co. St. Louis, Mo.	G. F.	19.00 19.06	4.00 4.80	58.91	7.57	9.66	10.00 9.35	Wheat middlings, wheat bran, gluten feed from corn, corn meal, alfalfa flour, linseed flour, granulated meat, 1% salt.
Purina Chicken Fatina Feed Ralston Purina Co., Inc. St. Louis, Mo.	G. F.	12.00 12.28	6.00 6.61	69.25	1.98	9.88	9.00 7.16	Ground oats, ground corn, kafir meal, barley meal, corn germ meal, wheat middlings, linseed meal and ground sunflower seed.
New Hampshire Poultry Ration Rockingham County Farmers' Exchange change Exeter, N. H.	G. F.	20.00 23.04	5.00 6.58	41.00 53.29	7.85	9.24	6.00 4.89	Gluten feed, red dog middlings, oat meal, bran, hominy, high grade meat scraps.
Chic Chuk Russia Cement Co. Gloucester, Mass.	G. F.	45.00 47.53	2.00 1.79	..... .....	11.40	7.22	1.00	Chic-Chuk is a pure, clean, sweet fish meal prepared exclusively from wholesome food fish, as cod, haddock and pollock.

Pounds in 100 lbs. of Feed Stuff

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
Wirthmore Buttermilk Baby Chick Food St. Albans Grain Co. St. Albans, Vt.	G. 13.50	5.00	60.00	.....	.....	5.00	Pure dried buttermilk, dried milk albumen, fine ground rolled oats, ground wheat, white corn, hominy feed, edible bone meal and wheat middlings.
	F. 14.91	5.32	64.06	4.42	11.29	5.00	
Wirthmore Buttermilk Mash Feed St. Albans Grain Co. St. Albans, Vt.	G. 20.00	4.00	50.00	.....	.....	8.50	Pure dried buttermilk, dried milk albumen, ground oats, barley, corn, wheat bran, wheat middlings not exceeding mill run of screenings, corn gluten feed, beet pulp, rolled oats, choice fine ground beef scraps, fish meal, linseed meal, buckwheat and about $\frac{3}{4}$ of 1% dairy salt.
	F. 22.18	4.94	55.84	8.65	8.39	6.18	
Wirthmore Growing Feed St. Albans Grain Co. St. Albans, Vt.	G. 15.00	4.50	50.00	.....	.....	4.50	Pure dried buttermilk, dried milk albumen, edible bone meal, ground wheat, ground oats, barley, wheat bran and wheat middlings not exceeding mill run of screenings, red dog flour, choice fine ground beef scrap.
	F. 15.73	4.78	61.85	7.26	10.38	5.09	
Springfield Poultry Feed Springfield Rendering Co. Springfield, Mass.	G. 50.00	10.00	.....	.....	.....	.....
	F. 45.64	7.57	.....	34.49	7.86	.....
Syracuse Dry Mash Syracuse Milling Co. Syracuse, N. Y.	G. 18.00	4.00	50.00	.....	.....	10.00	Ground corn, ground oats, hominy feed, corn gluten feed, old process linseed meal, bone and meat meal, wheat, bran and flour middlings with mill run of screenings and salt.
	F. 20.10	5.35	58.24	4.49	11.82	8.39	
Ti-O-Ga Laying Food Tioga Mill & Elevator Co. Waverly, N. Y.	G. 17.00	2.50	.....	5.00	.....	6.00	Wheat middlings, corn gluten meal, corn feed meal, corn meal or hominy, meat and bone scraps, corn gluten feed, wheat bran, phosphate of lime.
	F. 20.75	5.40	53.23	10.99	9.63	5.59	
Blue Seal Dry Mash H. K. Webster Co. Lawrence, Mass.	G. 16.00	3.00	55.00	.....	.....	10.00	Wheat feed, corn meal, gluten feed, rolled oats, ground oats, beef scraps, fish scraps, oil meal and calf meal.
	F. 17.84	5.79	58.74	7.09	10.54	7.36	

Simplex Brand Beet Scraps Whitman & Pratt Rendering Co., Boston, Mass.	G.	50.00	12.00	.....	32.28	7.09	.....
WHEAT FEEDS	F.	43.41	12.79	.....	.....	.....	.....
Trojan Middlings Allen & Wheeler Co., Troy, Ohio.	G.	15.00	4.00	52.00	.....	.....	6.00
	F.	16.69	4.89	62.56	4.60	11.26	.....
Trojan Mixed Feed Allen & Wheeler Co., Troy, Ohio.	G.	14.50	4.00	52.00	.....	.....	6.00
	F.	16.38	4.44	63.28	5.52	10.38	.....
Trojan Red Dog Allen & Wheeler Co., Troy, Ohio.	G.	16.00	4.00	65.20	.....	.....	3.50
	F.	14.36	4.00	68.76	1.94	10.94	.....
Mixed Feed Ansted & Burk Co., Springfield, Ohio.	G.	15.50	4.00	60.50	.....	.....	6.50
	F.	15.64	4.48	63.70	5.92	10.26	.....
Wheat Middlings Ansted & Burk Co., Springfield, Ohio.	G.	16.25	4.00	61.50	.....	.....	5.75
	F.	16.25	4.22	63.65	4.26	11.62	.....
Bailey Fancy Feed E. W. Bailey & Co., Montpelier, Vt.	G.	15.00	3.75	49.00	.....	.....	10.00
	F.	17.14	3.86	61.97	5.82	11.21	.....
Pure Winter Bran, Pennant Brand E. W. Bailey & Co., Montpelier, Vt.	G.	14.50	4.00	.....	.....	.....	10.00
	F.	16.65	4.31	60.89	6.22	11.93	.....
Spring Wheat Bran E. W. Bailey & Co., Montpelier, Vt.	G.	15.00	4.50	49.00	.....	.....	10.00
	F.	17.91	4.58	62.05	5.27	10.19	.....
Capital Mixed Feed E. W. Bailey & Co., Swanton, Vt.	G.	14.00	3.00	60.00	.....	.....	7.00
	F.	16.52	5.60	61.47	4.98	11.43	.....
Big Diamond Wheat Bran Big Diamond Mills Co., Minneapolis, Minn.	G.	13.00	3.50	.....	.....	.....	13.90
	F.	15.39	4.60	60.85	6.46	12.70	.....
Cannon Valley Standard Middlings Cannon Valley Milling Co., Minneapolis, Minn.	G.	15.50	4.00	50.00	.....	.....	10.50
	F.	17.48	4.90	59.69	4.84	13.09	.....

Ground screenings not exceeding mill run.
Ground screenings not exceeding mill run.
Wheat mixed feed with ground screenings not exceeding mill run.
Ground screenings not exceeding mill run.
Wheat bran and second clear flour.
Ground screenings not exceeding mill run.
Wheat standard middlings with ground screenings not exceeding mill run.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff							Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber		
Commander Standard Middlings	G. 15.00	4.50	.....	.....	.....	11.90	Ground screenings not exceeding mill run.
Commander Mill Co. Minneapolis, Minn.	F. 16.40	5.31	63.58	4.80	9.91	.....	
Commander Wheat Bran	G. 13.00	3.50	.....	.....	.....	13.90	Ground screenings not exceeding mill run.
Commander Mill Co. Minneapolis, Minn.	F. 14.89	4.84	64.68	5.62	9.97	.....	
Durum Flour Middlings	G. 15.50	5.90	64.00	.....	.....	7.50	Ground screenings not exceeding mill run.
Commander Mill Co. Minneapolis, Minn.	F. 16.64	5.90	61.63	4.51	11.32	.....	
Durum Wheat Flour Middlings	G. 14.50	5.00	60.00	.....	.....	8.50	Ground screenings not exceeding mill run.
Commander Mill Co.	F. 17.21	5.74	62.85	3.75	10.45	.....	
Soft Winter Wheat Bran	G. 14.50	3.50	.....	.....	.....	12.00	
Commercial Milling Co. Detroit, Mich.	F. 15.22	4.15	63.61	5.63	11.39	.....	
Clinton Mixed Feed	G. 14.00	3.00	60.00	.....	.....	7.00	Wheat bran, wheat middlings, rye feed with mill run of screenings and red dog.
Cunningham Grain Co. Malden, Mass.	F. 13.10	3.49	68.39	3.38	11.64	.....	
Low Grade Flour	G. 15.20	3.00	68.00	.....	.....	1.90	
J. Cushing Co. Fitchburg, Mass.	F. 17.14	3.56	65.65	2.01	11.64	.....	
Wheat Bran	G. 14.00	3.00	.....	.....	.....	10.00	Mill run of screenings.
Dominion Flour Mills, Ltd. Montreal, Canada.	F. 18.24	5.81	59.64	5.45	10.86	.....	
Duluth Imperial Bran	G. 15.00	4.00	64.00	.....	.....	11.50	Wheat bran with ground screenings not ex- ceeding mill run.
Duluth Superior Mfg. Co. Duluth, Minn.	F. 15.81	5.83	61.26	5.23	11.92	.....	
Red Dog Flour	G. 16.00	4.00	67.00	.....	.....	3.50	
Duluth Superior Mfg. Co. Duluth, Minn.	F. 17.54	4.08	64.07	2.83	11.48	.....	

Standard Middlings Duluth Superior Mfg. Co. Duluth, Minn.	G. F.	16.50 17.04	4.50 5.54	62.00 62.66	4.20	10.56	8.50	Wheat standard middlings with ground screenings not exceeding mill run.
Eagle Roller Mill Co.'s Wheat Middings Eagle Roller Mill Co. New Ulm, Minn.	G. F.	15.00 17.16	4.00 4.81	53.00 61.74	5.12	11.17	11.00	Ground screenings not exceeding mill run.
Flour Middlings Eagle Roller Mill Co. New Ulm, Minn.	G. F.	16.00 16.77	5.00 5.00	54.00 62.89	4.28	11.06	8.00	Ground screenings not exceeding mill run.
Superb Red Dog Eagle Roller Mill Co. New Ulm, Minn.	G. F.	17.00 18.45	5.00 4.63	57.00 62.03	3.08	11.81	4.00	
Wheat Middlings B. A. Eckhart Milling Co. Chicago, Ill.	G. F.	15.00 16.18	4.00 4.72	60.00 63.10	5.76	10.24	7.00	Ground screenings not exceeding mill run.
Ivanhoe Low Grade Empire Milling Co. Minneapolis, Minn.	G. F.	18.00 17.60	4.50 4.44	..... 62.78	2.90	12.28	4.00	
E. A. Co. Wheat Bran Everett, Aughinbaugh & Co. Waseca, Minn.	G. F.	14.50 16.31	4.00 5.11	47.00 60.85	6.57	11.16	11.00	Pure wheat.
E. A. Co. Wheat Middlings Everett, Aughinbaugh & Co. Waseca, Minn.	G. F.	15.00 16.42	3.00 3.47	50.00 62.28	4.67	11.16	10.00	Ground screenings not exceeding mill run.
Dairy Maid Flour Middlings Federal Mill & Elevator Co. Lockport, N. Y.	G. F.	13.00 16.20	3.00 3.44	49.00 66.39	3.98	9.99	10.00	Ground screenings not exceeding mill run.
Dairy Maid Mixed Feed Federal Mill & Elevator Co. Lockport, N. Y.	G. F.	14.00 14.86	2.50 4.69	50.00 64.60	5.11	10.84	11.00	Ground screenings not exceeding mill run.
Dairy Maid Mixed Feed Federal Mill & Elevator Co. Lockport, N. Y.	G. F.	13.00 14.95	2.75 4.19	48.00 65.28	4.80	10.77	12.00	Ground screenings not exceeding mill run.

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
Kennel Club Flour Federal Mill & Elevator Co. Lockport, N. Y.	G.	14.00	2.00	60.00	.....	1.00	
	F.	15.59	2.39	68.69	1.35	11.98	
Lucky Brand Federal Mill & Elevator Co. Lockport, N. Y.	G.	12.00	3.50	46.00	.....	14.00	Ground screenings not exceeding mill run.
	F.	16.42	4.01	61.37	6.28	11.92	
Lucky Flour Middlings Federal Mill & Elevator Co. Lockport, N. Y.	G.	13.00	3.50	49.00	.....	9.00	Ground screenings not exceeding mill run.
	F.	17.60	5.54	61.63	4.09	11.14	
Sphinx Fancy Flour Middlings Federal Mill & Elevator Co. Lockport, N. Y.	G.	13.00	2.50	53.00	.....	7.00	Ground screenings not exceeding mill run.
	F.	17.21	4.76	62.98	3.87	11.18	
Sphinx Fancy Mixed Feed Federal Mill & Elevator Co. Lockport, N. Y.	G.	13.50	3.00	51.00	.....	10.00	Ground screenings not exceeding mill run.
	F.	16.17	4.04	64.47	4.03	11.29	
Improved Grafton Wheat Feed Grafton Roller Mill Co. Grafton, N. Dak.	G.	14.00	2.70	64.10	.....	8.40	
	F.	15.90	5.01	61.21	4.82	.....
Gwinn's Middlings The Gwinn Milling Co. Columbus, Ohio.	G.	15.00	4.00	.....	.....	10.00	Screenings not exceeding mill run.
	F.	15.20	5.50	61.60	3.51	11.19	
Choice Wheat Bran Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	G.	13.50	3.25	49.50	.....	12.00	Trace of screenings.
	F.	15.80	5.32	60.74	6.10	12.04	
H. Wheat Middlings Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	G.	15.50	4.50	54.24	.....	8.50	Made from pure hard wheat.
	F.	17.80	5.26	60.97	4.78	11.19	

Red Dog Flour	G.	15.50	3.75	57.50	3.82	.....	5.50	Made from wheat.
Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	F.	17.80	4.54	62.68	.....	11.16	.....
Standard Middlings	G.	15.00	5.00	50.00	.....	.....	10.00	Mill run screenings from wheat.
Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	F.	18.44	5.56	59.01	5.46	11.53	.....
Wheat Mixed Feed	G.	14.50	4.00	49.00	.....	.....	11.50	Mill run screenings wheat bran, standard mid- dlings, red dog, all made from wheat with mill run screenings.
Hecker-Jones-Jewell Milling Co. Buffalo, N. Y.	F.	17.28	5.38	60.15	5.08	12.11	.....
Heywood Pure Bran	G.	14.00	3.50	55.00	.....	.....	12.00	Soft winter wheat guaranteed to contain no ground screenings or dirt from receiving separators.
Heywood Milling Co. Jackson, Mich.	F.	14.76	3.85	64.80	5.58	11.01	.....
Heywood Pure Middlings	G.	15.00	4.25	55.00	.....	.....	8.00	Soft winter wheat guaranteed to contain no ground screenings or dirt from receiving separators.
Heywood Milling Co. Jackson, Mich.	F.	16.95	4.84	63.77	4.27	10.17	.....
Heywood Pure Mill Feed	G.	14.00	3.75	55.00	.....	.....	10.00	Soft winter wheat guaranteed to contain no ground screenings or dirt from receiving separators.
Heywood Milling Co. Jackson, Mich.	F.	16.09	4.53	64.35	4.61	10.42	.....
Sterling Red Dog	G.	18.00	4.60	.....	.....	.....	4.00	
Hubbard Milling Co. Mankato, Minn.	F.	20.72	5.25	60.59	3.02	10.42	.....
Jenk's Mixed Feed	G.	14.00	3.50	68.00	.....	.....	11.50	Ground screenings not exceeding mill run.
Huron Milling Co. Harbor Beach, Mich.	F.	14.31	4.28	65.15	5.09	11.17	.....
Ideal Fancy Mixed Feed	G.	15.00	4.00	53.00	.....	.....	10.00	Wheat bran, low grade flour, middlings and ground screenings not exceeding mill run.
E. T. & H. K. Ide	F.	15.15	4.13	66.04	3.87	10.81	.....
St. Johnsbury, Vt.								
Blackhawk Standard Middlings	G.	15.00	4.50	.....	.....	.....	9.20	With ground screenings not exceeding mill run.
International Milling Co. Minneapolis, Minn.	F.	17.95	5.96	60.91	4.22	10.96	.....
Blue Tag Mixed Feed	G.	16.00	4.00	.....	.....	.....	7.50	
F. W. Kelley Co. St. Johnsbury, Vt.	F.	17.18	4.41	62.63	4.64	11.14	.....

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
	True Value Red Dog	14.00	3.50	64.78	2.78	11.86		4.00
Ladish Milling Co., Milwaukee, Wis.	16.61	3.94	64.78	2.78	11.86	.....
Wheat Bran	14.00	2.80	.....	.....	.....	14.80	
LaGrange Mills	14.51	3.47	65.55	6.21	10.26	.....
Red Wing, Minn.							
Wheat Bran	15.00	3.50	50.00	.....	.....	10.00	Mill run of screenings not to exceed 8%.
Larabee Flour Mills Corp., Kansas City, Mo.	16.77	3.89	61.49	7.13	10.72	.....
Wasco Bran	14.50	4.00	54.00	.....	.....	9.50	Wheat bran with ground screenings not ex- ceeding mill run.
Lyon & Greenleaf Co., Wauseon, Ohio.	15.04	4.00	64.42	6.61	9.93	.....
Wasco Mixed Feed	15.00	4.00	.....	.....	.....	8.00	Ground screenings not exceeding mill run made from soft winter wheat.
Lyon & Greenleaf Co., Wauseon, Ohio.	15.60	4.27	64.36	4.63	10.14	.....
Fancy Canadian Middlings	16.00	5.50	48.00	.....	.....	10.00	Ground screenings not exceeding mill run.
Maple Leaf Milling Co., Toronto, Canada.	17.10	5.56	61.76	4.24	11.84	.....
Itex Wheat Shorts, Screening not exceeding mill run	16.00	5.50	48.00	.....	.....	10.00	
Maple Leaf Milling Co., Toronto, Canada.	16.73	5.60	62.03	4.72	10.92	.....
Wheat Bran	14.00	4.50	48.00	.....	.....	10.00	
Maple Leaf Milling Co., Toronto, Canada.	15.41	5.29	62.71	5.70	10.89	.....
Red Dog	15.00	4.00	55.00	.....	.....	4.00	
Massey Milling Co., Omaha, Nebr.	14.43	1.98	70.40	1.46	11.73	.....

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
Standard Middlings	G. 14.00	4.00	53.00	.....	.....	11.00	Ground screenings not exceeding mill run.
Northwestern Consolidated Milling Co., Minneapolis, Minn.	F. 16.11	5.28	63.39	4.96	10.26	.....
Wheat Flour Middlings	G. 15.00	4.00	57.00	.....	.....	8.00	Ground screenings not exceeding mill run.
Northwestern Consolidated Milling Co., Minneapolis, Minn.	F. 18.35	5.37	61.92	3.81	10.55	.....
XXX Comet	G. 16.00	4.00	60.00	.....	.....	4.00	Pure wheat products composed of red dog wheat flour.
Northwestern Consolidated Milling Co., Minneapolis, Minn.	F. 19.26	4.93	62.05	2.90	10.86	.....
Wheat Middlings	G. 15.00	4.00	57.00	.....	.....	8.00	Ground screenings not exceeding mill run.
The Ogilvie Flour Mills Co., Ltd., Winnipeg, Canada.	F. 16.22	5.17	62.95	4.55	11.11	.....
Omar Pure Wheat Red Dog	G. 14.00	2.50	57.00	.....	.....	6.00	Pure wheat white shorts or red dog.
Omaha Flour Mills Co., Omaha, Nebr.	F. 17.91	3.28	64.97	3.02	10.82	.....
Omar Wheat Shorts and Ground Wheat	G. 15.00	3.50	52.00	.....	.....	8.00	Mill run of wheat shorts and ground wheat screenings not exceeding 8%.
Omaha Flour Mills Co., Omaha, Nebr.	F. 17.51	3.96	62.18	5.03	11.32	.....
Pretty Special Wheat Mixed Feed	G. 16.00	4.00	60.00	.....	.....	9.00	Red dog flour, wheat bran with mill run of screenings.
Park & Pollard Co., Boston, Mass.	F. 18.13	5.35	61.95	4.07	10.50	.....
Wheat Bran	G. 14.00	3.50	50.00	.....	.....	11.00	Ground screenings not exceeding mill run.
Peninsular Milling Co., Flint, Mich.	F. 15.10	3.58	64.94	5.91	10.47	.....
Pillsbury's Fancy Mixed Feed	G. 14.00	4.00	53.00	.....	.....	10.00	Wheat bran and wheat red dog flour with ground screenings not exceeding mill run.
Pillsbury Flour Mills	F. 17.69	4.84	61.96	4.67	10.84	.....

Pillsbury's Wheat Bran	13.00	4.00	50.00	5.83	10.72	13.00	Ground screenings not exceeding mill run.
Pillsbury Flour Mills Minneapolis, Minn.	16.10	5.43	61.92				
Pillsbury's XX Daisy	16.00	4.00	60.00	3.02	11.34	4.00	
Pillsbury Flour Mills Minneapolis, Minn.	19.17	5.09	61.38				
Standard B. Middlings	14.00	4.00	52.00	4.42	10.11	11.00	Ground screenings not exceeding mill run.
Pillsbury Flour Mills Minneapolis, Minn.	16.73	5.42	63.32				
Saturn Wheat Bran	13.00	3.00	.....	5.05	10.13	11.00	With screenings not exceeding mill run.
Pittsford Milling Co., Inc. Pittsford, N. Y.	18.71	6.08	60.03				
Champion Mixed Feed	13.56	3.58	.....	4.86	10.87	8.47	Ground screenings not exceeding mill run.
Portland Milling Company Portland, Mich.	15.47	4.26	64.54				
Champion White Middlings	15.10	3.00	64.50	2.28	11.05	.....
Portland Milling Co. Portland, Mich.	15.20	3.78	67.69				
Bran	13.00	3.00	50.00	6.04	10.91	10.00	
Quaker City Flour Mills Co. Philadelphia, Pa.	13.81	5.80	63.44				
Bell Cow Bran	15.30	5.50	56.00	5.30	10.64	7.60	Ground screenings not exceeding mill run.
Quaker Oats Co. Saskatoon, Canada.	16.87	5.64	61.55				
Wheat Bran and Screenings	15.00	3.75	.....	6.25	12.03	10.00	Wheat bran and wheat screenings not to exceed 5% screenings.
Red Star Milling Co. Wichita, Kansas.	16.26	3.97	61.49				
Royal Mixed Feed	16.00	4.00	55.00	6.00	13.14	10.00	Wheat bran, flour middlings and ground screenings not exceeding mill run.
Royal Milling Co. Great Falls, Mont.	17.29	5.49	59.10	4.98			
Alta Middlings	15.00	4.50	55.00	4.65	10.01	8.50	Mill run of standard middlings and flour middlings mixed.
Russell-Miller Milling Co. Minneapolis, Minn.	19.05	5.48	60.81				
Bran	13.00	4.00	52.00	5.88	10.42	11.00	Made from wheat only.
Russell-Miller Milling Co. Minneapolis, Minn.	17.82	5.59	60.29				

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
Wheat Occident Feed	G. 15.00	4.50	54.00	.....	.....	10.00	Mill run of bran middlings and red dog.
Russell-Miller Milling Co. Minneapolis, Minn.	F. 17.70	5.41	61.00	5.71	10.18	.....
Franklin Mixed Feed	G. 15.00	4.50	50.00	.....	.....	9.50	Wheat bran, wheat middlings, red dog and ground screenings not exceeding mill run.
St. Albans Grain Co. St. Albans, Vt.	F. 16.96	4.50	63.37	5.01	10.16	.....
Weldon Feed	G. 12.00	3.25	60.00	.....	.....	6.00	Wheat bran, wheat middlings not exceeding mill run of screenings, red dog flour and white corn flour.
St. Albans Grain Co. St. Albans, Vt.	F. 15.11	4.59	63.79	4.69	11.82	.....
Wirthmore Middlings	G. 14.00	4.00	50.00	.....	.....	8.00	Wheat middlings and red dog flour, less than mill run of screenings.
St. Albans Grain Co. St. Albans, Vt.	F. 16.95	4.30	62.75	4.02	11.98	.....
Wirthmore Wheat Feed	G. 15.00	4.50	50.00	.....	.....	8.00	Wheat bran and red dog flour.
St. Albans Grain Co. St. Albans, Vt.	F. 15.76	4.69	63.10	4.50	11.95	.....
Snowball Flour Middlings	G. 16.00	4.00	55.00	.....	.....	9.00	Ground screening not exceeding mill run.
Shane Bros. & Wilson Co. Minneapolis, Minn.	F. 17.29	4.00	63.48	4.15	11.08	.....
Fancy Broadflake	G. 13.50	4.00	50.00	.....	.....	11.00	Wheat bran and ground wheat screenings.
Sheffield-King Milling Co. Minneapolis, Minn.	F. 15.22	4.00	63.52	6.15	11.11	.....
Gold Mine Feed	G. 15.00	4.50	53.00	.....	.....	10.00	Bran, shorts, low grade flour, wheat product and pulverized screenings.
Sheffield-King Milling Co. Minneapolis, Minn.	F. 15.33	5.24	64.40	4.71	10.32	.....
Try Me Mixed Feed	G. 16.00	3.50	50.00	.....	.....	9.00	Pure wheat bran middlings and ground screenings not exceeding mill run.
Sparks Milling Co. Alton, Ill.	F. 16.38	3.88	63.46	5.41	10.87	.....

Bran	G.	14.00	3.00	45.00	.....	10.00	Pure wheat with mill run of screenings.
F. W. Stock & Sons Hillsdale, Mich.	F.	16.38	4.28	62.22	5.53	11.59	.....
Middlings	G.	16.00	4.00	50.00	.....	7.00	Pure wheat.
F. W. Stock & Sons Hillsdale, Mich.	F.	16.00	4.03	64.02	4.01	11.94	.....
Monarch Fancy Wheat Feed	G.	16.00	4.00	50.00	.....	10.00	Mill run of screenings.
F. W. Stock & Sons Hillsdale, Mich.	F.	16.31	4.32	61.67	5.05	12.65	.....
Superior Wheat Feed and Flour	G.	16.00	4.50	.....	.....	7.00	With mill run screenings.
F. W. Stock & Sons Hillsdale, Mich.	F.	16.50	4.62	62.82	4.35	11.71	.....
Superior Wheat Feed and Mill Run Screenings	G.	16.00	4.00	60.00	.....	6.00	.....
F. W. Stock & Sons Hillsdale, Mich.	F.	16.46	4.12	64.38	3.43	11.61	.....
Star Wheat Middlings	G.	15.00	4.00	54.00	.....	8.00	Ground screenings not exceeding mill run.
Star & Crescent Milling Co. Chicago, Ill.	F.	16.25	4.80	64.36	4.53	9.97	.....
Wheat Bran	G.	16.10	3.90	.....	.....	10.30	Ground screenings not exceeding mill run.
Stokes Milling Co. Watertown, S. Dak.	F.	16.29	4.93	60.39	5.40	12.99	.....
Bran and Wheat Screenings	G.	14.50	4.00	52.00	.....	12.50	Wheat bran with ground clean wheat screenings.
David Stott Flour Mills, Inc. Detroit, Mich.	F.	15.62	4.57	63.28	6.07	10.46	.....
Pennant Middlings	G.	15.00	4.00	57.00	.....	9.00	Brown wheat middling with ground screenings
David Stott Flour Mills, Inc. Detroit, Mich.	F.	17.39	5.08	62.74	3.78	11.01	..... not exceeding mill run.
Stag Flour	G.	13.50	2.00	67.00	.....	2.00	.....
David Stott Flour Mills, Inc. Detroit, Mich.	F.	14.32	2.16	70.27	1.04	12.21	.....
Stott's Fine White Middlings	G.	15.50	4.00	60.00	.....	6.50	.....
David Stott Flour Mills, Inc. Detroit, Mich.	F.	16.78	4.47	65.09	3.05	10.61	.....

Brand and name and address of manufacturer	Pounds in 100 lbs. of Feed Stuff						Certified by manufacturer to contain
	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	
Stott's Heavy Mixed Feed	G. 14.00	3.50	57.50	.....	.....	8.50	Wheat flour, bran and middlings.
David Stott Flour Mills, Inc. Detroit, Mich.	F. 14.98	4.52	64.14	4.98	11.38	.....
Mixed Feed	G. 15.29	4.30	63.00	.....	.....	7.93	.....
Stratton & Co. Concord, N. H.	F. 15.50	4.30	65.50	4.84	9.86	.....
Stratton & Co.'s Fancy Brand	G. 15.00	4.00	64.00	.....	.....	11.00	Mill run of screenings ground in.
Stratton & Co. Concord, N. H.	F. 15.52	4.76	63.67	5.43	10.62	.....
Pure Bran	G. 14.00	4.00	.....	.....	.....	11.00	.....
Tennant & Hoyt Co. Lake City, Minn.	F. 14.57	5.06	64.28	5.47	10.62	.....
Wheat Middlings	G. 15.00	5.00	.....	.....	.....	9.00	Ground screenings not exceeding mill run.
Tennant & Hoyt Co. Lake City, Minn.	F. 16.38	5.41	63.21	.....	10.64	.....
Angelus Mixed Feed	G. 15.00	4.50	52.00	.....	.....	11.00	Ground screenings not exceeding mill run.
Thompson Milling Co. Lockport, N. Y.	F. 17.04	4.84	63.15	4.98	10.04	.....
T & C Wheat Mixed Feed	G. 14.00	4.50	50.00	.....	.....	11.00	Wheat bran and middlings with ground screenings not exceeding mill run.
Thornton & Chester Milling Co. Buffalo, N. Y.	F. 15.65	5.72	63.79	4.72	10.12	.....
Cream Middlings	G. 15.00	4.50	.....	.....	.....	7.00	Containing regular mill run of wheat screenings.
Upton Mill & Elevator Co. Upton Mills, Minneapolis, Minn.	F. 15.76	5.52	64.20	3.72	10.80	.....
Umeco Red Dog Flour	G. 17.00	4.50	60.00	.....	.....	4.00	.....
Upton Mills & Elevator Co. Upton Mills, Minneapolis, Minn.	F. 15.41	4.50	66.55	2.81	10.73	.....
Low Grade Flour	G. 16.00	4.50	50.00	.....	.....	3.00	.....
George Urban Milling Co. Buffalo, N. Y.	F. 20.03	5.73	61.75	3.25	9.24	.....

Pounds in 100 lbs. of Feed Stuff

Brand and name and address of manufacturer	Protein	Fat	Carbo- hydrates	Ash	Moist- ure	Crude Fiber	Certified by manufacturer to contain
Washburn-Crosby Co.'s Arlington Flour	14.00	4.00	60.00	1.36	11.93	4.00	Selected wheat.
Washburn Mills Minneapolis, Minn.	15.43	4.00	62.78	1.36	11.93	.....
Washburn-Crosby Co.'s Durum Wheat Bran	13.00	4.00	50.00	.....	.....	14.00	With cleaned ground wheat screenings not exceeding mill run.
Washburn Mills Minneapolis, Minn.	15.55	5.97	61.94	5.18	11.36	.....
Washburn-Crosby Co.'s Durum Wheat Bran	12.00	4.00	50.00	.....	.....	16.00	Ground screenings not exceeding mill run.
Washburn Mills Minneapolis, Minn.	13.65	5.04	66.32	4.81	10.18	.....
Washburn-Crosby Co.'s Durum Wheat Standard Middlings	14.00	4.00	50.00	.....	.....	12.00	With ground screenings not exceeding mill run.
Washburn Mills Minneapolis, Minn.	17.09	6.15	61.35	5.05	10.36	.....
Washburn-Crosby Co.'s Wheat Bran	13.00	4.00	50.00	.....	.....	13.00	Ground screenings not exceeding mill run.
Washburn Mills Minneapolis, Minn.	16.26	5.06	61.34	5.91	11.43	.....
Washburn-Crosby Co.'s Wheat Mixed Feed	14.00	4.00	53.00	.....	.....	10.00	Ground screenings not exceeding mill run.
Washburn Mills Minneapolis, Minn.	16.14	4.02	63.91	4.76	11.17	.....
"Tea Table" Wheat Bran and Scour- ings	14.50	3.50	48.00	.....	.....	11.50	Wheat bran, wheat scourings and ground wheat screenings not to exceed 8%.
The Weber Flour Mills Corp. Salina, Kansas.	16.34	4.85	61.69	5.96	11.16	.....
Feed Well Standard Middlings	15.00	4.50	50.00	.....	.....	7.75	Ground screenings not exceeding mill run.
Wells Flour Milling Co. Wells, Minn.	16.81	4.50	63.74	4.83	10.12	.....
Pioneer Middlings	16.00	4.50	.....	.....	.....	11.00	Ground screenings not exceeding mill run.
Western Canada Flour Mills Co., Inc. Winnipeg, Canada.	16.42	5.38	62.80	3.93	11.47	.....





