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THIRD ANNUAL REPORT OF THE FEED CONTROL OFFICE OF ARIZONA

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INTRODUCTION

This bulletin is a report of the inspection and analyses of commercial feeds under the Arizona Feed Control Law covering the year 1940. It is published for the purpose of acquainting the cattle, dairy, and poultry feeders with the quality of feeds offered for sale in the State. It should serve as a reference bulletin for feed manufacturers, feed dealers, and all farmers using commercial feeds. Dealers and feeders can aid in maintaining a high quality of feeds in the State by purchasing only properly labeled feeds and reporting noncompliance with the law to

Arizona Feed & Fertilizer Control Office
Agricultural Experiment Station
Tucson, Arizona

or

1201 West Madison Street
Phoenix, Arizona

EXPLANATION OF TERMS USED IN FEED ANALYSIS

The Arizona law requires that feeds be analyzed for protein, fat, and fiber. In some cases the amount of ash or mineral matter and in all cases the amount of moisture are determined. The following explanations of these terms may be of interest.

Water or moisture.—This term is used to designate the loss in weight which occurs when the feed is heated in an oven at a temperature just above the boiling point of water. This determination is made because a high moisture content is undesirable. It lowers the keeping quality of the feed and if abnormally high may indicate fraud, for obviously the higher the moisture the lower the nutrient value.

Crude protein.—This term designates a large group of complex compounds containing nitrogen. It is by far the most valuable and most expensive constituent in feeds. There are the plant proteins available in hays, grain, and meals and the animal proteins available in milk, tankage, and similar products. A wide variation is found in the chemical properties and nutritional value of the proteins, and hence the variety of feeds needed by animals must be selected according to their needs. The consumer of feeds is aided in such a selection by the requirement that all ingredients used in feeds must be shown on the label or tag.

Fat.—This term is too well known to need any explanation. Chemically it represents the material extracted from feeds by ether in which all fats and oils are soluble. Practically all plant materials used in feeds contain some fat or oil as do also animal materials.

Crude fiber.—This term is used to represent the woody part of the feed. It is chiefly cellulose and has little or no food value. Seeds and grain contain very little fiber, while the hulls and husks as well as the stems are very high in fiber. Thus the quality of a feed may often be represented by the amount of crude fiber it contains. Since feeds of high fiber content are not desirable, the law requires that the maximum be stated on the label rather than a minimum guarantee as is required for protein and fat. Since obviously such materials as bone and milk products do not contain crude fiber, this determination on such products merely represents matter which is insoluble in the reagents used for crude fiber determination.

Ash.—This term is used to designate the amount of mineral matter in feeds and is obtained by completely removing all organic matter by ashing. While there is no requirement regarding ash in Arizona feeds except where mineral material is added, many of these determinations are made in order that such information will be available if needed.

Nitrogen-free extract.—Some feed laws require a statement of the amount of nitrogen-free extract in feeds. It is simply a more or less arbitrary figure representing the percentage of feed which remains after subtracting the sum of the moisture, protein, fat, fiber, and ash. It consists chiefly of starches, sugars, and pentosans, and the feeding value is largely as a source of energy for the body.

DEFINITION OF FEEDING STUFFS

In view of the large number of materials used in the compounding of commercial feeds some confusion often arises in the terms used for different items in the list of ingredients which appear on the label or tag. In order to avoid such confusion, a list of terms and definitions is published annually by the Association of American Feed Control Officials, and all manufacturers must use these terms for the sake of uniformity. Where doubt exists among feeders or mixers as to the correct term to apply to an ingredient, information may be obtained from the Feed Control Office or by reference to the bulletin referred to above. A list of these terms and their definitions was published in the 1938 annual report of the Feed Control Office.

AVERAGE COMPOSITION OF SOME COMMON FEEDING STUFFS

For the information of feeders who do not have access to such data, Table 1 presents the analyses of many feeding materials used in Arizona. These analyses are taken mainly from Morrison's *Feeds and Feeding* and are expressed in per cent.

TABLE 1.

Feeding stuff	Protein	Fat	Fiber	Total digestible nutrients
Alfalfa hay (before bloom).....	19.0	2.7	22.3	53.2
Alfalfa hay (past bloom).....	12.8	2.1	31.9	44.9
Alfalfa leaf meal.....	21.1	2.8	16.1	57.4
Alfalfa meal.....	15.2	1.9	28.4	53.9
Alfalfa stem meal.....	11.5	1.3	36.2	43.0
Barley hay.....	7.5	2.0	26.6	54.1
Barley grain.....	8.7	1.9	5.7	78.8
Bermuda grass hay.....	7.3	1.8	25.6	43.0
Beet tops.....	2.6	0.3	1.2	7.4
Beet pulp.....	9.0	0.8	18.8	71.8
Beans, pinto.....	22.7	1.2	4.5	64.8
Beans, tepary.....	22.2	1.4	3.4	65.2
Blood meal.....	82.2	1.2	1.3	75.9
Bone meal, raw.....	25.8	2.9	0.8	.....
Bone meal, steamed.....	7.1	3.3	0.8	.....
Buttermilk.....	3.5	0.6	.....	9.1
Buttermilk powder.....	33.8	5.6	0.4	85.5
Corn, cracked.....	9.0	3.0	3.5	79.0
Cottonseed meal, 43 per cent....	43.0	7.2	10.6	75.5
Cottonseed hulls.....	3.9	0.9	46.6	43.7
Cowpea hay.....	18.6	2.6	23.3	49.4
Fish meal.....	58.7	7.9	0.9	67.6
Grapefruit refuse, dried.....	4.9	1.1	11.9	75.8
Grain sorghum, chopped.....	10.0	2.5	3.0	74.3
Grain sorghum head, chopped..	8.5	2.5	8.0	.....
Hegari grain.....	9.7	2.5	2.3	81.2
Kaffir grain.....	11.2	3.0	2.3	80.1
Kaffir head chop.....	10.0	2.7	6.9	76.9
Kaffir fodder.....	8.9	2.8	26.8	54.1
Johnson grass hay.....	6.5	2.1	30.4	50.3
Linseed meal.....	35.2	6.3	8.0	78.2
Mesquite beans and pods.....	13.0	2.8	26.3	71.6
Molasses, beet.....	7.7	.....	.....	58.8
Molasses, cane.....	2.8	.....	.....	56.6
Meat scraps.....	55.0	10.7	2.2	73.8
Meat and bone scraps.....	50.8	11.1	2.1	71.2
Milk, dry skim.....	34.8	0.9	.....	84.1
Milo grain.....	11.2	2.9	2.2	79.9
Milo head chop.....	10.3	2.5	6.7	77.4
Oat grain.....	9.0	5.4	11.0	72.2
Oat groats.....	16.2	6.4	1.9	93.9
Oat hulls.....	3.8	1.2	30.6	38.3
Orange peel, dried.....	5.8	0.7	10.6	38.1
Orange pulp, dried.....	7.7	1.5	8.0	78.4
Rye grain.....	12.3	1.7	2.3	80.1
Sorghum chop.....	9.0	2.5	3.0	74.3
Sorghum head chop.....	8.0	2.5	8.0	.....
Soybean hay.....	14.8	3.3	28.4	50.6
Soybean oil meal.....	44.3	5.7	5.6	82.2
Sudan grass hay.....	8.8	1.6	27.9	48.5
Sunflower seed.....	15.9	25.1	28.1	87.8
Tankage, digester.....	61.3	8.8	1.4	78.0
Wheat grain.....	9.9	2.0	2.7	83.6
Wheat bran.....	15.8	5.0	9.5	70.2
Wheat gray shorts.....	17.9	4.5	5.6	78.9

METHOD OF CALCULATING THE PROTEIN, FAT, AND FIBER GUARANTEE OF A MIXED FEED

Many feed mixers in this State doing business on a small scale and not having the services of a chemist to analyze the ingredients used in mixes can calculate the guarantee for their mixed feeds by using figures which represent the average composition of the ingredients. The method used in calculating the guarantee is as follows:

1. List the ingredients and amount of each to be used in the batch.

2. In Table 1, find the protein, fat, and fiber analyses and list them opposite the ingredients as in Table 2. (Since Table 1 is not complete, the analyses of practically all other ingredients used in feeds may be found in a book, *Feeds and Feeding*, by F. B. Morrison.)

TABLE 2.—CALCULATION OF MIXED FEED GUARANTEE.
(Analyses of Ingredients)

Ingredients in batch of feed (pounds)	Protein (per cent)	Fat (per cent)	Fiber (per cent)	
Cracked corn	100	9.0	3.0	3.5
Wheat	200	9.9	2.0	2.7
Red maize	100	10.0	3.0	2.2
Hegari	50	9.7	2.5	2.3
Barley	40	8.7	1.9	5.7
Pounds protein, fat, and fiber in ingredients				
Cracked corn	100	9.00	3.00	3.50
Wheat	200	19.80	4.00	5.40
Red maize	100	10.00	3.00	2.20
Hegari	50	4.85	1.25	1.15
Barley	40	3.48	0.76	2.28
	490	47.13	12.01	14.53
Composition of batch.....		9.6	2.5	3.0
Recommended guarantee.....		9.2	2.2	4.0

3. From the information given in this part of Table 2, calculate the number of pounds of protein, fat, and fiber furnished by each ingredient. Example: 100 lbs. of cracked corn \times 9.0% protein = 9 lbs. protein in the cracked corn. The sum of each column gives the total number of pounds of protein, fat, and fiber in the batch. These are all given for a sample mixture in the second part of Table 2.

4. By dividing each total by the total pounds in the batch, the percentages of protein, fat, and fiber are obtained.

Example:

$$\frac{47.13 \times 100}{490} = 9.6 \text{ per cent protein}$$

$$\frac{12.01 \times 100}{490} = 2.5 \text{ per cent fat}$$

$$\frac{14.53 \times 100}{490} = 3.0 \text{ per cent fiber}$$

From these percentages a safe guarantee would be 9.0 per cent protein, 2.0 per cent fat, and 4.0 per cent fiber.

REGISTRATIONS AND ANALYSES

The following tables comprise a complete list of all mixed feeds, cottonseed meals, and mineral feeds registered for sale in Arizona during 1940. Many of the registered brands were not found on sale. All brands found on sale in factories and among dealers were sampled and analyzed. These analyses are given in Tables 3, 4, and 5.

A summary of the inspection and analysis of feeds for 1940 is given at the end of this bulletin along with summaries for 1938 and 1939.

TABLE 3.—COTTONSEED MEAL ANALYSES (PER CENT).

Name and address of manufacturer and product	Lab. no.	Protein*	Fat*	Fiber*
Agricultural Products Company, Phoenix, Arizona APCO Brand Cottonseed Cake or Meal.....	.....	G. 43.00	6.00	12.00
	1379	F. 40.88	6.82	13.84
	1497	F. 45.13	5.38	10.76
	1684	F. 44.69	6.56	10.34
	1778	F. 43.00	5.12	11.80
Arizona Cotton Oil Company, Glendale, Arizona ARCO 43% Protein Cottonseed Flake, Cake or Meal.....	.....	G. 43.00	6.00	12.00
	1207	F. 44.19	.....	.....
	1208	F. 43.94	.....	.....
	1209	F. 43.31	.....	.....
	1210	F. 44.81	.....	.....
	1304	F. 42.81	5.85	14.75
	1321	F. 42.94	6.70	13.68
	1457	F. 44.50	6.79	13.23
	1459	F. 42.38	6.12	15.11
	1461	F. 43.13	6.50	14.16
	1589	F. 42.00	7.85	12.28
	1591	F. 42.75	7.16	12.54
	1680	F. 43.19	6.26	13.22
1681	F. 44.00	6.72	12.28	
J. G. Boswell Company, Phoenix, Arizona "BOSCO" Brand 40% Protein Cottonseed Cake and Meal.....	.....	G. 40.00	5.00	14.00
	1513	F. 40.50	6.80	13.98

*G, guarantee as shown in registration; F, found by analysis; boldface figures indicate deficiency in protein and fat and excess of fiber.

TABLE 3.—COTTONSEED MEAL ANALYSES (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
"BOSCO" Brand 43% Protein Cottonseed Cake and Meal.....	.....	G. 43.00	5.20	12.00
	1303	F. 43.63	.....	.....
	1322	F. 43.69	.....	.....
	1458	F. 43.50	7.50	13.09
	1514	F. 43.69	6.41	12.25
	1523	F. 44.00	6.43	11.98
	1590	F. 43.88	6.66	10.66
	1592	F. 44.13	6.40	11.45
	1593	F. 43.44	6.20	12.22
	1682	F. 43.63	7.39	11.88
	1683	F. 43.94	7.08	10.95
	1752	F. 44.63	6.59	11.12
California Cotton Oil Company, Los Angeles, California				
Calico Brand 40% Protein Cottonseed Meal.....	.....	G. 40.00	5.20	12.00
Calico Brand 43% Protein Cottonseed Cake.....	.....	G. 43.00	5.20	10.00
P. E. Cook Seed Store, Calexico, California				
40% Protein Cottonseed Cake-Meal	.....	G. 40.00	6.00	12.00
Farmers Cooperative Oil Mill, El Paso, Texas				
43% Protein Cottonseed Cake, Prime Quality.....	.....	G. 43.00	5.20	12.00
43% Protein Cottonseed Meal, Prime Quality.....	.....	G. 43.00	5.20	12.00
43% Protein Cottonseed Pellets, Prime Quality.....	.....	G. 43.00	5.20	12.00
Interstate Cotton Oil Company, Los Angeles, California				
Paymaster Brand 40% Protein Cottonseed Cake-Meal, Prime Quality.....	.....	G. 40.00	5.00	12.00
	1377	F. 41.75	6.13	12.15
Producers Gin Company, Safford, Arizona				
Cream of Safford Valley, 43% Cottonseed Cake or Meal.....	.....	G. 43.00	5.00	12.00
	1332	F. 41.63	6.71	14.16
	1346	F. 40.88	6.67	13.72
	1402	F. 41.69	6.21	13.18
	1433	F. 43.19	6.09	13.62
	1727	F. 43.50	6.80	11.48
	1796	F. 47.69	6.28	9.38
	1797	F. 43.56	5.38	12.98
	1798	F. 43.00	5.50	13.40
	1799	F. 43.00	5.55	11.95
	Southwest Flour & Feed Company, Glendale, Arizona			
Arco Cottonseed Meal.....	.....	G. 40.00	5.00	12.00
	1515	F. 38.44	6.30	14.68
	1618	F. 39.06	5.98	14.72

TABLE 3.—COTTONSEED MEAL ANALYSES (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Tidwell Fuel & Feed Company, El Paso, Texas				
25% Protein Ground Whole Pressed Cottonseed.....	.....	G. 25.00	6.00	23.00
25% Protein Whole Pressed Cottonseed.....	.....	G. 25.00	6.00	23.00
25% Protein Whole Pressed Cottonseed Cubes.....	.....	G. 25.00	6.00	23.00
41.12% Protein Cottonseed Flakes	.....	G. 41.12	6.00	12.00
43% Protein Cottonseed Cake, Prime Quality.....	.....	G. 43.00	6.00	12.00
43% Protein Cottonseed Flake Cake.....	.....	G. 43.00	6.00	12.00
43% Protein Cottonseed Meal, Prime Quality.....	.....	G. 43.00	6.00	12.00
43% Protein Cottonseed Pellets.....	.....	G. 43.00	6.00	12.00
Western Cotton Products Co., Phoenix and Tucson, Arizona				
Paymaster Brand 40% Protein Cottonseed Meal and Cake.....	.....	G. 40.00	5.00	12.00
	1302	F. 41.31	.....	.....
Paymaster Brand 43% Protein Cottonseed Meal and Cake.....	.....	G. 43.00	5.20	12.00
	1206	F. 45.25	.....	.....
	1246	F. 42.50	7.85	11.02
	1275	F. 43.31	.....	.....
	1301	F. 43.13	.....	.....
	1305	F. 41.69	5.05	14.52
	1323	F. 44.75	.....	.....
	1460	F. 43.56	6.86	12.63
	1620	F. 42.94	7.39	10.34
	1621	F. 42.63	7.69	10.82
	1698	F. 44.38	6.54	10.70
	1801	F. 43.06	7.26	9.71
	1804	F. 44.00	5.64	10.98
	1818	F. 43.94	6.19	10.34

Samples of these products are presented in a separate table because they are supplementary feeds used for the purpose of supplying mineral deficiencies. Since most of them are definite chemical compounds, they should not vary greatly from their guarantee.

TABLE 4.—MINERAL AND BONE FEEDS.

Name and address of manufacturer and product	Guaranteed* (per cent)	Lab. no.	Found (per cent)
Albers Bros. Milling Company, Los Angeles, California			
Sterilized Steamed Bone			
Protein.....	5.00	.....	.....
Fat.....	0.00	.....	.....
Fiber.....	2.00	.....	.....
American Salt Corporation, Kansas City, Missouri			
American Calcium- Phosphorus Salt.....	.....	1330	.....
Calcium (Ca).....	3.58	.....	1.59
Phosphorus (P).....	3.50	.....	3.50
Iodine (I).....	0.02	.....	0.0015
Salt (NaCl).....	84.00	.....	82.40
American Iodized Stock Salt.....		1331	.....
Iodine (I).....	0.015	.....	0.012
Iron oxide (Fe ₂ O ₃).....	Tr.	.....	.....
Salt (NaCl).....	99.98	.....	96.52
A. M. Blumer, San Francisco, California			
Standard Spent Bone Black.....		1619	.....
Calcium (Ca).....	28.00	.....	35.42
Phosphorus (P).....	14.00	.....	16.61
California Milling Company, Los Angeles, California			
Ace-Hi Pigeon Grit No. 10 or No. 6.....			
Calcium oxide (CaO).....	48.00	(Ca 34.28)	.....
Salt (NaCl).....	1.50	.....	.....
Sterilized Steamed Bone			
Protein.....	5.00	.....	.....
Fat.....	0.00	.....	.....
Fiber.....	2.00	.....	.....
Consolidated Chemical Industries, Inc., San Francisco, California			
Digesta-Bone.....		1632	.....
Protein.....	5.00	.....	6.88
Calcium (Ca).....	30.00	.....	31.98
Phosphorus (P).....	14.00	.....	15.28

*G, guarantee as shown in registration; F, found by analysis; boldface figures indicate deficiency in protein, fat, calcium, phosphorus, and iodine and an excess of salt and fiber.

TABLE 4.—MINERAL AND BONE FEEDS—Continued.

Name and address of manufacturer and product	Guaranteed (per cent)	Lab. no.	Found (per cent)
Carey Salt Company, Hutchinson, Kansas			
Carey's Iodized Mineral Supplement Salt.....	.....	.....	.....
Calcium (Ca).....	5.00	.....	.....
Phosphorus (P).....	2.00	.....	.....
Iodine (I).....	0.015	.....	.....
Salt (NaCl).....	84.00	.....	.....
Carey's "AA" Mineral Supplement Salt-Iodized..	.....	.....	.....
Calcium (Ca).....	10.00	.....	.....
Phosphorus (P).....	5.00	.....	.....
Iodine (I).....	0.015	.....	.....
Salt (NaCl).....	67.50	.....	.....
Carey's Mineral Supplement Salt .....	.....	.....	.....
Calcium (Ca).....	5.00	.....	.....
Phosphorus (P).....	2.00	.....	.....
Salt (NaCl).....	84.00	.....	.....
Carey's Monocalcium Phosphate Salt.....	.....	.....	.....
Calcium (Ca).....	2.50	.....	.....
Phosphorus (P).....	2.90	.....	.....
Salt (NaCl).....	87.50	.....	.....
The Cudahy Packing Company, Los Angeles, California			
Cudahy's All Purpose Mineral Feed with Iodine.....	.....	1819	.....
Protein.....	3.00	.....	10.00
Calcium (Ca).....	25.00	.....	27.56
Phosphorus (P).....	6.00	.....	6.43
Iodine (I).....	0.06	.....	0.0614
Salt (NaCl).....	3.00	.....	4.09
Cudahy's All Purpose Mineral Feed with Iodine—50 lb. Blocks.....	.....	.....	.....
Protein.....	4.50	.....	.....
Calcium (Ca).....	15.00	.....	.....
Phosphorus (P).....	4.50	.....	.....
Iodine (I).....	0.04	.....	.....
Salt (NaCl).....	30.00	.....	.....
Economy Hog & Cattle Powder Company, San Francisco, California			
Economy Mineral Compound..	.....	.....	.....
Calcium oxide (CaO).....	35.00 (Ca 25.00)	.....	.....
Phosphoric acid (P ₂ O ₅).....	3.50 (P 1.53)	.....	.....
Iodine (I).....	0.0125	.....	.....
Salt (NaCl).....	0.00	.....	.....
Economy Super Mineral for Dairy Cows and Calves.....	.....	.....	.....
Calcium oxide (CaO).....	25.00 (Ca 17.90)	.....	.....
Phosphoric acid (P ₂ O ₅).....	3.50 (P 1.53)	.....	.....
Iodine (I).....	0.025	.....	.....
Salt (NaCl).....	0.00	.....	.....

TABLE 4.—MINERAL AND BONE FEEDS—Continued.

Name and address of manufacturer and product	Guaranteed (per cent)	Lab. no.	Found (per cent)
Economy Super Mineral for Poultry			
Calcium oxide (CaO).....	12.50 (Ca 8.90)		
Phosphoric acid (P ₂ O ₅).....	2.00 (P 0.87)		
Iodine (I).....	0.0125		
Salt (NaCl).....	0.00		
Economy Super Mineral for Sheep			
Calcium oxide (CaO).....	17.50 (Ca 12.50)		
Phosphoric acid (P ₂ O ₅).....	2.00 (P 0.87)		
Iodine (I).....	0.0125		
Salt (NaCl).....	0.00		
Dr. Hess & Clark, Inc., Ashland, Ohio			
Dr. Hess Hog Special			
Calcium (Ca).....	15.00		
Phosphorus (P).....	3.00		
Iodine (I).....	0.04		
Salt (NaCl).....	23.00		
Dr. Hess Poultry Pan-A-Min		1508	
Calcium (Ca).....	21.00		20.30
Phosphorus (P).....	3.80		4.72
Iodine (I).....	0.00		
Salt (NaCl).....	10.00		9.24
Dr. Hess Stock Tonic			
Calcium (Ca).....	15.00		
Phosphorus (P).....	2.50		
Iodine (I).....	0.04		
Salt (NaCl).....	23.00		
Leslie Salt Company, San Francisco, California			
Leslie Digesta-Bone Stoc Bloc Protein	1.90	1622	
Fiber.....	0.076		
Calcium oxide (CaO).....	16.76		15.18
Phosphoric acid (P ₂ O ₅).....	12.19		10.84
Salt (NaCl).....	57.20		12.29
(Iodine (I).....)			5.36
(Ca 11.97)			64.53
(P 5.32)			
Leslie Iodized Stoc Bloc		1623	
Potassium iodide (KI).....	0.022		0.0183
Iron oxide (Fe ₂ O ₃).....	0.025		0.014
Molasses.....	1.500		
Salt (NaCl).....	98.453		95.79
Leslie Phosphate Stoc Bloc			
Calcium oxide (CaO).....	3.53 (Ca 2.52)		
Phosphoric acid (P ₂ O ₅).....	6.75 (P 2.95)		
Maxfield Feed & Coal, Inc., Murray, Utah			
Golden M. Minerals			
Calcium (Ca).....	20.00		
Phosphorus (P).....	9.00		
Iodine (I).....	0.068		
Salt (NaCl).....	25.00		

TABLE 4.—MINERAL AND BONE FEEDS—Continued.

Name and address of manufacturer and product	Guaranteed (per cent)	Lab. no.	Found (per cent)
Julius Meyer, Casa Grande, Arizona			
Fat 'Em Up.....	.....	.....	.....
Protein.....	4.50	.....	.....
Fat.....	1.10	.....	.....
Fiber.....	2.00	.....	.....
Calcium (Ca).....	23.00	.....	.....
Phosphorus (P).....	8.00	.....	.....
Iodine (I).....	tr.	.....	.....
Salt (NaCl).....	24.00	.....	.....
Morton Salt Company, Chicago, Illinois			
Morton Calcium Phosphate Salt	.....	.....	.....
Calcium oxide (CaO).....	3.53 (Ca 2.52)	.....	.....
Phosphoric acid (P ₂ O ₅).....	6.75 (P 2.95)	.....	.....
Salt (NaCl).....	89.72	.....	.....
Morton Iodized Salt.....	.....	.....	.....
Potassium iodide (KI).....	0.023 (I 0.0175)	.....	.....
Iron oxide (Fe ₂ O ₃).....	0.100	.....	.....
Sodium carbonate (Na ₂ CO ₃)	0.200	.....	.....
Salt (NaCl).....	99.677	.....	.....
Paul Lime Plant, Paul Spur, Arizona			
Cal-Pho-Sal.....	.....	1401	.....
Calcium (Ca).....	14.12	.....	13.38
Phosphorus (P).....	3.12	.....	3.19
Iodine (I).....	0.0076	.....	0.0070
Iron oxide (Fe ₂ O ₃).....	0.30	.....	.....
Salt (NaCl).....	51.00	.....	50.31
Paul Steamed Bone Meal.....	.....	1723	.....
Calcium (Ca).....	25.00	.....	25.87
Phosphorus (P).....	10.00	.....	11.23
James H. Seley & Company, Los Angeles, California			
Steamed Bone Meal.....	.....	1822	.....
Protein.....	5.00	.....	8.63
Fat.....	0.00	.....	.....
Fiber.....	3.00	.....	3.74
Shellmaker, Inc., Los Angeles, California			
Hens Teeth Crushed Shell.....	.....	1772	.....
Calcium (Ca).....	38.00	.....	34.92
Iodine (I).....	Tr.	.....	.....
Salt (NaCl).....	0.50	.....	0.58
Snow Brokerage Company, Los Angeles, California			
Snowline Dairy Minerals.....	.....	1520	.....
Calcium oxide (CaO).....	42.00 (Ca 30.00)	.....	42.35
Phosphoric acid (P ₂ O ₅).....	2.00 (P 0.87)	.....	30.25
Iodine (I).....	0.07	.....	2.69
Salt (NaCl).....	10.00	.....	1.18
			0.044
			8.83

TABLE 4.—MINERAL AND BONE FEEDS—Continued.

Name and address of manufacturer and product	Guaranteed (per cent)	Lab. no.	Found (per cent)
Snowline Hog Minerals.....	.....	.....	.....
Calcium oxide (CaO).....	44.00 (Ca 31.45)	.....	.....
Phosphoric acid (P ₂ O ₅).....	2.50 (P 1.09)	.....	.....
Iodine (I).....	0.07	.....	.....
Salt (NaCl).....	5.00	.....	.....
Snowline Poultry Minerals.....	.....	1522	.....
Calcium (Ca).....	30.00	.....	31.44
Phosphorus (P).....	0.60	.....	0.69
Iodine (I).....	0.065	.....	0.042
Salt (NaCl).....	5.00	.....	4.45
Sugar Land Feed Company, Sugar Land, Texas			
Spent Bone Black.....	.....	.....	.....
Calcium (Ca).....	32.00	.....	.....
Phosphorus (P).....	13.50	.....	.....
Swift & Company, Chicago, Illinois			
Swift's 5% Protein Special Steamed Bone Meal.....	.....	.....	.....
Protein.....	5.00	.....	.....
Fat.....	0.00	.....	.....
Fiber.....	3.00	.....	.....
Calcium (Ca).....	25.15	.....	.....
Phosphorus (P).....	13.00	.....	.....
Taylor Milling Corporation, Los Angeles, California			
Raw Bone Meal.....	.....	.....	.....
Protein.....	23.00	.....	.....
Fat.....	0.50	.....	.....
Fiber.....	1.50	.....	.....
Steam Bone Meal.....	.....	.....	.....
Protein.....	6.00	.....	.....
Fat.....	0.00	.....	.....
Fiber.....	1.00	.....	.....
Tidwell Fuel & Feed Company, El Paso, Texas			
Pulverized Limestone.....	.....	.....	.....
Calcium carbonate (CaCO ₃)..	70.00 (Ca 28.00)	.....	.....
Magnesium carbonate (MgCO ₃).....	2.00	.....	.....
Spent Bone Black.....	.....	1788	.....
Calcium (Ca).....	28.00	.....	35.72
Phosphorus (P).....	14.00	.....	16.51
V-O Milling Company, Los Angeles, California			
Pigeon Grit.....	.....	.....	.....
Calcium oxide (CaO).....	10.00 (Ca 4.36)	.....	.....
Phosphoric acid (P ₂ O ₅).....	Tr.	.....	.....
Salt (NaCl).....	1.00	.....	.....
White Sea Flakes.....	.....	.....	.....
Calcium carbonate (CaCO ₃)	99.00 (Ca 39.60)	.....	.....

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT).

Name and address of manufacturer and product	Lab. no.	Protein*	Fat*	Fiber*
Agricultural Products Company, Phoenix, Arizona				
APCO Cottonseed Cake or Meal (see Table 3).....	.....	.....	.....	.....
Albers Bros. Milling Company, Los Angeles, California				
Albers Bak-O-Ration.....	.....	G. 20.00	4.50	8.00
	1634	F. 21.63	3.88	6.86
Albers Choice Cracked Corn.....	.....	G. 10.00	2.50	3.00
Albers Fancy Ground Corn.....	.....	G. 10.00	3.50	3.00
Albers Mil-King Dairy Ration.....	.....	G. 16.00	4.50	12.00
Albers Nu-Way All-Purpose Feed	.....	G. 17.00	3.50	10.00
	1635	F. 20.44	3.92	9.60
Albers Oat Mill Feed.....	.....	G. 3.00	1.00	32.00
Albers Progressive Egg Ration.....	.....	G. 20.00	3.50	8.00
Albers Progressive Scratch.....	.....	G. 10.00	3.00	3.00
Albers Progressive Turkey Grower	.....	G. 19.00	4.00	9.00
Albers Proven All Grain Rabbit Pellets.....	1477	G. 11.00	3.00	10.00
		F. 14.00	3.72	9.29
Albers Proven Battery Laying Ration.....	.....	G. 19.00	4.00	9.00
Albers Proven Calf Meal.....	.....	G. 21.00	5.00	5.00
	1636	F. 23.38	5.54	5.30
Albers Proven Chick Scratch.....	.....	G. 10.00	2.50	3.00
	1474	F. 10.75	2.85	1.51
Albers Proven Chick Starter.....	.....	G. 17.00	4.00	6.00
	1476	F. 17.00	6.40	2.74
Albers Proven Dairy Concentrate..	.....	G. 30.00	4.00	6.00
Albers Proven Duck Paks.....	.....	G. 15.00	3.50	9.00
Albers Proven Eggmaker.....	.....	G. 20.00	4.50	6.50
	1442	F. 21.19	4.92	5.99
Corrected.....	.....	G. 20.00	4.50	6.00
Albers Proven Fryer Ration.....	.....	G. 17.00	4.50	6.00
	1637	F. 19.50	5.84	6.34
Albers Proven Goat Feed.....	.....	G. 11.00	2.50	10.00
Albers Proven Lax-ive Ration.....	.....	G. 15.00	6.00	6.00
	1638	F. 17.63	8.74	4.82
Albers Proven Milk Flo.....	.....	G. 20.00	5.00	10.00
	1639	F. 21.63	5.09	8.16
Albers Proven Pigeon Feed.....	.....	G. 12.00	4.50	4.00
	1473	F. 13.50	2.58	3.99
Albers Proven Poultry Breeders Ration.....	.....	G. 20.00	5.00	6.00
	1640	F. 21.13	5.48	5.70
Albers Proven Pullet Grower.....	.....	G. 17.00	4.50	7.00
	1441	F. 17.75	5.06	6.06
Corrected.....	.....	G. 17.00	4.50	7.50
Albers Proven Pullet Scratch.....	.....	G. 10.00	2.50	3.00
	1475	F. 11.63	3.42	1.98
Albers Proven Rabbit Breeders Paks.....	.....	G. 12.00	2.60	25.00
	1641	F. 14.88	2.88	24.14

*G, guarantee as shown in registration; F, found by analysis; boldface figures indicate deficiency in protein and fat and excess of fiber.

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Albers Proven Rabbit Family Ration .....	.....	G. 13.00	3.00	18.00
.....	1440	F. 15.75	3.42	17.04
.....	.....	G. 20.00	5.00	6.00
Albers Proven Similene Ration.....	.....	G. 21.00	4.00	7.00
Albers Proven Turkey Breeder Ration.....	.....	G. 17.00	4.00	6.00
Albers Proven Turkey Gro-Fat.....	1472	F. 18.44	3.88	5.01
.....	.....	G. 21.00	5.00	7.50
Albers Proven Turkey Grower.....	1642	F. 22.38	5.09	8.13
.....	.....	G. 22.00	5.00	6.00
Albers Proven Turkey Starter.....	1643	F. 23.63	5.70	5.60
.....	.....	G. 10.00	2.50	3.00
Albers 50-50 Scratch.....	.....	G. 9.00	2.00	8.00
Albers Standard Rolled Barley.....	.....	G. 17.00	4.00	6.00
Albers Trip-L-Duty.....	.....	G. 13.00	2.70	16.00
Albers XLNT Rabbit Pellets.....	.....	G. 25.00	4.00	5.00
Proven Calf Manna.....	1644	F. 27.25	5.30	3.32
Sterilized Steamed Bone (see Table 4).....	.....	.....	.....	.....
Stovers Pellets.....	.....	G. 14.50	4.50	6.00
Corrected .....	.....	G. 16.00	4.50	6.50
American Fisheries Company, San Diego, California				
Oliver Brand 60% Protein Fish Meal.....	.....	G. 60.00	5.00	3.00
.....	1509	F. 64.44	7.26	0.46
Oliver Brand 62% Protein Fish Meal.....	.....	G. 62.00	5.00	3.00
Oliver Brand Tuna Meal.....	.....	G. 60.00	5.00	3.00
American Salt Corporation, Kansas City, Missouri				
American Iodized Stock Salt (see Table 4).....	.....	.....	.....	.....
American Calcium-Phosphorus Salt (see Table 4).....	.....	.....	.....	.....
Andersen-Smith Milling Company, San Francisco, California				
Chick Concentin.....	.....	G. 35.00	5.00	8.00
.....	1276	F. 38.25	4.14	7.42
Egg Concentin.....	.....	G. 40.00	4.00	5.00
.....	1277	F. 42.56	4.26	3.40
Growing Pullet Concentin.....	.....	G. 27.00	4.00	10.00
.....	1278	F. 28.69	2.76	7.78
An-Fo Manufacturing Company, Oakland, California				
An-Fo Calf Meal.....	.....	G. 20.00	5.50	11.00
Allen's Feed Store, Prescott, Arizona				
Allen's Scratch.....	.....	G. 9.00	2.00	4.00
Archer-Daniels-Midland Co., Minneapolis, Minnesota				
30% Protein Old Process Linseed Meal.....	.....	G. 30.00	4.25	10.00
.....	1629	F. 30.75	6.65	10.70

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
44% Protein Soybean Oil Meal.....	.....	G. 44.00	0.50	7.00
	1279	F. 47.75	0.30	5.75
42% Protein Soybean Oil Meal, Mineralized.....	.....	G. 42.00	0.50	7.00
42% Protein Soybean Oil Meal, Special Mineralized.....	.....	G. 42.00	0.50	7.00
Arizona Farmers Exchange,† Mesa, Arizona				
Arizona Maid Chick Scratch (canceled).....	.....	G. 10.00	2.50	4.00
Arizona Maid Chick Starter (canceled).....	.....	G. 16.00	3.00	5.00
Arizona Maid Dairy Feed (canceled).....	.....	G. 18.00	3.50	8.00
Arizona Maid Developing Mash (canceled).....	.....	G. 17.00	3.00	4.50
Arizona Maid Fattening Mash (canceled).....	.....	G. 14.00	4.00	4.00
Arizona Maid Hen Scratch (canceled).....	.....	G. 10.00	2.50	4.00
Arizona Maid Laying Mash (canceled).....	.....	G. 20.00	3.50	5.00
Arizona Flour Mills, Phoenix-Tucson-Safford				
All-in-One Life Cycle Mash.....	.....	G. 16.00	3.00	7.00
(canceled).....	1252	F. 17.63	3.80	5.99
Arizona Pride Dairy & Cattle Feed	.....	G. 18.00	3.50	10.00
	1264	F. 18.00	3.07	12.17
Arizona Pride Laying Mash.....	.....	G. 18.00	3.00	8.00
	1233	F. 21.38	4.48	6.55
Arizona Pride Scratch Feed.....	.....	G. 9.00	2.00	4.00
	1220	F. 13.13	2.43	2.17
Arizona Star All-Grain Rabbit Pellets.....	.....	G. 17.00	3.50	15.50
Arizona Star All-in-One Rabbit Pellets.....	.....	G. 17.00	3.50	15.50
	1228	F. 16.06	4.32	11.82
Arizona Star Baby Chick Grain.....	.....	G. 12.00	2.50	2.00
	1223	F. 12.56	2.38	2.00
Arizona Star Broiler Mash.....	.....	G. 18.00	3.00	7.00
	1217	F. 20.63	4.36	5.02
	1344	F. 18.38	4.14	5.50
Arizona Star Calf Meal.....	.....	G. 24.00	5.00	6.00
	1229	F. 22.31	4.62	5.54
Arizona Star Dairy Feed.....	.....	G. 18.00	3.50	7.00
Arizona Star Developing Mash.....	.....	G. 18.50	3.00	7.00
Arizona Star Fattening Mash.....	.....	G. 14.00	3.00	5.00
	1214	F. 17.38	5.06	4.08
Arizona Star Growing Grain.....	.....	G. 10.00	2.00	4.00
	1224	F. 12.50	2.79	2.04
	1257	F. 13.00	2.95	2.02
Arizona Star Horse Feed.....	.....	G. 11.00	3.20	7.00
	1230	F. 12.25	3.90	6.42
Arizona Star Hy-Lassy Cattle Feed	.....	G. 14.00	2.00	14.00
	1273	F. 16.75	2.18	11.60

†Now registered by Mesa Feed Store.

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Arizona Star Manamar Dairy Concentrate.....	.....	G. 28.00	4.00	8.50
.....	1269	F. 24.81	4.35	8.69
Arizona Star Manamar Dairy Feed	.....	G. 20.00	3.50	8.00
.....	1215	F. 19.25	3.71	8.52
.....	1345	F. 19.75	3.43	8.43
Arizona Star Molasses Cattle Mix..	.....	G. 14.00	2.25	20.00
.....	1225	F. 17.06	2.86	14.90
Arizona Star Pigeon Scratch Feed..	.....	G. 14.00	3.00	3.00
.....	1222	F. 13.00	2.57	2.34
Arizona Star Protein & Vitamin Concentrate.....	.....	G. 32.00	4.00	9.00
.....	1232	F. 32.44	5.56	7.38
Arizona Star Scratch Feed.....	.....	G. 9.00	2.00	4.00
.....	1219	F. 12.31	2.55	2.17
Arizona Star Turkey Breeder Mash	.....	G. 22.00	3.00	7.00
.....	1226	F. 22.44	4.44	6.07
Arizona Star Turkey Growing Mash	.....	G. 22.00	4.00	7.00
.....	1227	F. 22.19	4.53	7.43
Arizona Star Turkey Maturing Mash..	.....	G. 22.00	3.00	7.00
.....	1268	F. 22.38	4.75	7.61
Arizona Star Turkey Starting Mash	.....	G. 23.00	4.00	6.00
.....	1265	F. 26.19	3.91	5.81
Calf Growing Pellets.....	.....	G. 20.00	3.00	13.00
.....	1231	F. 20.19	3.85	14.41
Casa Grande Chick & Pullet Grower.....	.....	G. 17.00	3.00	8.00
Casa Grande Laying Mash.....	.....	G. 18.00	3.00	8.00
Coccidiosis Control Mash.....	.....	G. 17.50	3.00	6.50
.....	1271	F. 18.88	3.45	7.00
Consumer's Chick Mash.....	.....	G. 20.00	3.25	6.00
.....	1481	F. 20.50	4.11	3.36
Consumer's Developing Mash.....	.....	G. 20.00	3.00	6.00
.....	1480	F. 22.00	3.50	4.99
Consumer's Laying Mash.....	.....	G. 21.00	3.25	6.00
.....	1479	F. 22.75	4.26	4.70
Dehydrated Carrot Meal.....	.....	G. 8.00	1.50	8.00
.....	1266	F. 7.75	1.97	8.45
Double Check Chick Mash.....	.....	G. 18.00	3.00	7.00
.....	1261	F. 19.56	4.06	5.92
Double Check Egg Mash.....	.....	G. 20.00	3.00	7.00
.....	1255	F. 20.56	3.66	6.82
Double Check Growing Pullet Mash	.....	G. 15.00	3.00	8.00
.....	1262	F. 17.50	3.47	7.23
Eagle Baby Chick Grains.....	.....	G. 12.00	2.50	2.00
.....	1258	F. 12.81	3.29	1.72
Eagle Fattening Mash (canceled)..	.....	G. 14.00	3.00	6.00
.....	1259	F. 17.38	4.68	4.03
Eagle Horse Feed.....	.....	G. 11.00	3.00	6.00
.....	1260	F. 11.63	4.11	6.46
Eagle Scratch Feed.....	.....	G. 9.00	2.00	4.00
.....	1251	F. 12.50	2.69	2.30
Growing Scratch Feed.....	.....	G. 9.00	2.00	5.00
Hominy Feed.....	.....	G. 13.00	5.50	6.00
Manamar All-in-One Life Cycle Mash.....	.....	G. 16.00	3.00	7.00
.....	1482	F. 14.94	4.25	5.68
Manamar Breeder Mash.....	.....	G. 20.00	4.00	7.00
.....	1216	F. 21.25	5.31	5.28

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Manamar Dairy Feed (canceled)..	.....	G. 17.00	3.50	8.00
	1256	F. 21.25	3.81	9.50
Manamar Growing Mash.....	.....	G. 16.00	3.00	7.00
	1212	F. 17.94	4.26	5.63
	1343	F. 16.25	3.42	5.34
Manamar Laying Mash.....	.....	G. 20.00	3.00	7.00
	1211	F. 20.50	4.56	6.50
	1254	F. 21.38	3.97	7.50
	1341	F. 20.25	3.99	6.20
Corrected.....	.....	G. 20.00	3.00	8.00
Manamar Starting Mash (canceled)	.....	G. 17.00	3.00	7.00
	1253	F. 18.88	3.61	6.40
	1213	F. 19.75	4.31	5.56
	1342	F. 17.00	3.90	5.14
Millrun Wheat Bran.....	.....	G. 14.00	3.00	10.00
	1221	F. 15.25	3.25	10.72
Pomerene Mash.....	.....	G. 20.00	2.50	7.00
	1263	F. 20.94	4.02	5.12
Processed Beet Seed.....	.....	G. 7.50	1.00	35.00
Processed Beet Seed & Molasses...	.....	G. 9.00	1.00	25.00
Rolled Mixed Feed.....	.....	G. 9.00	1.50	6.00
Vit-A-Plus Alfalfa Meal.....	.....	G. 18.00	2.00	24.00
	1267	F. 19.25	3.28	20.28
Vit-A-Plus Stem Meal.....	.....	G. 9.00	1.00	40.00
	1633	F. 13.88	1.86	31.08
Wheat White Shorts.....	.....	G. 15.00	2.50	3.50
	1218	F. 16.44	2.93	2.21
	1326	F. 14.63	2.24	1.26
Worm Control Mash.....	.....	G. 20.00	3.00	7.00
	1270	F. 21.06	5.31	6.65
Armour and Company (Hauser Plant), Los Angeles, Calif.				
Armour's Blood Meal.....	.....	G. 80.00	0.00	2.00
Armour's 50% Protein Meat & Bone Meal Digester Tankage..	.....	G. 50.00	6.00	2.00
Associated Dairy Products Co., Glendale, Arizona				
Webster Buttermilk Powder.....	.....	G. 35.00	4.00	1.00
	1280	F. 39.00	2.54	0.00
Webster's Skim Milk Powder.....	.....	G. 35.00	0.20	0.00
	1248	F. 35.88	0.14	0.00
Arizona Cotton Oil Company, Glendale, Arizona				
ARCO, 43% Protein Cottonseed Flake, Cake or Meal (see Table 3).....	.....	.....	.....	.....
Babbitt Bros. Trading Company, Flagstaff, Arizona				
Superior Brand Meat Meal.....	.....	G. 50.00	8.00	1.50
	1784	F. 49.69	13.20	1.06

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Baber Mercantile Company, Tempe, Arizona				
Baber Brand All Purpose Feed.....	.....	G. 17.00	3.00	6.00
	1647	F. 17.75	3.17	5.94
Baber Brand Baby Chick Mash.....	.....	G. 17.00	5.00	5.50
	1648	F. 16.00	4.86	4.52
Baber Brand Baby Chick Scratch Grain.....	.....	G. 11.00	2.00	2.00
	1649	F. 13.00	3.38	1.72
Baber Brand Broiler Fattener Fryer Mash.....	.....	G. 16.50	5.00	4.50
	1650	F. 18.00	5.12	5.92
Baber Brand Dairy Feed.....	.....	G. 20.00	3.75	8.00
	1651	F. 18.19	4.38	9.18
Baber Brand Developing Mash.....	.....	G. 18.00	4.20	6.00
	1652	F. 17.06	4.38	5.05
Baber Brand Developing Scratch Grain.....	.....	G. 11.00	2.00	2.00
	1653	F. 13.13	2.55	2.06
Baber Brand Laying Mash with Buttermilk.....	.....	G. 21.00	4.00	6.00
	1654	F. 20.19	4.28	6.16
Scratch Grain.....	.....	G. 11.00	2.53	2.06
	1655	F. 11.00	2.58	1.97
A. M. Blumer, San Francisco, Calif.				
Standard Spent Bone Black (see Table 4).....	.....	.....	.....	.....
Border Feed & Seed Company, Nogales, Arizona				
Border Dairy Feed.....	.....	G. 18.50	2.50	12.50
	1446	F. 20.50	4.84	9.14
Border Scratch Feed.....	.....	G. 9.50	2.50	3.00
	1447	F. 12.25	2.81	1.88
Mexican Wheat Bran.....	.....	G. 15.50	3.00	8.90
	1448	F. 16.13	3.86	8.50
J. G. Boswell Company, Phoenix, Arizona				
Bosco Brand, 40% Protein Cottonseed Cake & Meal (see Table 3)	.....	.....	.....	.....
Bosco Brand, 43% Protein Cottonseed Cake & Meal (see Table 3)	.....	.....	.....	.....
Brophy Carriage Company, Lowell, Arizona				
Brophy's Scratch Feed.....	.....	G. 10.80	2.25	2.63
	1434	F. 14.13	3.04	2.00
Buckeye Seed & Feed Co., Inc., Buckeye, Arizona				
Golden West Brand Chick Mash....	.....	G. 17.50	3.50	5.50
	1359	F. 17.75	5.16	5.14
Golden West Brand Chick Grain....	.....	G. 12.75	3.00	3.00
	1358	F. 12.13	2.54	2.00
Golden West Brand Dairy Feed.....	.....	G. 16.00	3.00	8.00
	1362	F. 16.63	3.62	8.24
Golden West Brand Dairy Feed with Dr. Hess Stock Tonic.....	.....	G. 16.00	3.00	8.00
Golden West Brand Developing Grain.....	.....	G. 11.30	2.25	3.50
	1363	F. 12.13	2.42	1.78

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Golden West Brand Developing Mash.....	1360	G. 15.10 F. 16.31	3.00 3.90	6.50 6.38
Golden West Brand Laying Mash..	.....	G. 18.00	3.00	5.35
Golden West Brand Pan-A-Min Laying Mash.....	1364	G. 18.00 F. 18.81	3.00 3.92	5.35 6.44
Corrected.....	.....	G. 18.00	3.00	7.00
Golden West Brand Scratch Feed..	1549	F. 14.13	3.78	6.78
.....	.....	G. 12.50	3.00	3.50
.....	1361	F. 12.13	2.61	1.99
California Cotton Oil Corporation, Los Angeles, California				
Calico Brand 40% Protein Cottonseed Meal (see Table 3).....	.....	.....	.....	.....
Calico Brand 43% Protein Cottonseed Cake (see Table 3).....	.....	.....	.....	.....
California Milling Corporation, Los Angeles, California				
Ace-Hi All-Age Feed.....	.....	G. 16.00	3.00	5.00
.....	1731	F. 17.00	3.84	3.33
Ace-Hi All Grain Rabbit Pellets...	.....	G. 15.00	2.00	9.00
Ace-Hi Angora Rabbit Feed.....	.....	G. 9.00	3.50	8.00
Ace-Hi Baby Chick Feed.....	.....	G. 10.00	2.50	3.00
.....	1366	F. 10.94	2.63	1.32
Ace-Hi Broiler & Fryer Mash.....	.....	G. 17.00	3.50	7.00
.....	1288	F. 18.00	4.28	6.36
.....	1368	F. 17.13	4.84	6.25
Ace-Hi Brooding Mash.....	.....	G. 19.00	5.00	7.00
.....	1367	F. 20.19	4.18	5.56
.....	1696	F. 20.25	4.86	5.64
Ace-Hi Calf Meal.....	.....	G. 24.00	3.50	7.00
.....	1392	F. 25.38	3.60	4.23
Ace-Hi Consolidated Chick Mash (canceled).....	.....	G. 17.00	4.00	7.00
.....	1287	F. 17.50	4.18	6.05
Ace-Hi Chick Mash.....	.....	G. 17.00	4.00	7.00
.....	1716	F. 19.13	4.68	6.10
Ace-Hi Chick Starter.....	.....	G. 16.00	4.00	6.00
.....	1289	F. 18.75	4.84	6.07
.....	1715	F. 19.44	5.30	5.14
Ace-Hi Coccidiosis Control Mash... Corrected.....	.....	G. 13.50	2.50	4.00
.....	.....	G. 17.00	3.00	4.00
.....	1393	F. 16.69	2.86	3.51
.....	1735	F. 17.50	3.11	4.17
Ace-Hi Consolidated All-Grain Rabbit Pellets (canceled).....	.....	G. 11.50	2.00	9.00
.....	1689	F. 15.38	4.33	6.80
Ace-Hi Consolidated Growing Mash.....	.....	G. 15.00	4.00	7.00
.....	1286	F. 17.38	3.92	6.79
.....	1624	F. 17.38	4.31	6.72
Corrected.....	.....	G. 16.00	4.00	7.00
Ace-Hi Consolidated Growing Mash with Conditioner.....	.....	G. 15.00	4.00	7.00
Ace-Hi Consolidated Growing Pellets.....	.....	G. 15.00	4.00	7.00
Corrected.....	.....	G. 16.00	4.00	7.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Ace-Hi Consolidated Laying Mash..	.....	G. 17.00	3.00	7.00
	1285	F. 18.75	3.89	6.80
(winter protein 18.00).....	.....	G. 18.00	3.00	7.00
	1625	F. 18.56	4.64	7.10
Ace-Hi Consolidated Laying Mash with 4% Tobacco.....	1295	G. 17.00	3.00	7.00
	.....	F. 18.69	4.86	8.32
Ace-Hi Consolidated Laying Pellets (winter protein 18.00)..	.....	G. 17.00	3.00	7.00
Ace-Hi Dairy Feed.....	.....	G. 16.00	4.50	10.00
	1292	F. 18.44	3.54	9.60
Ace-Hi Duck Mash.....	.....	G. 15.00	3.50	10.00
	1626	F. 18.00	4.11	9.11
Ace-Hi Fattening Mash.....	.....	G. 13.00	5.00	6.00
	1733	F. 14.00	5.26	4.41
Ace-Hi Goat Feed.....	.....	G. 10.00	3.00	10.00
Ace-Hi Growing Chick Scratch.....	.....	G. 10.00	2.50	3.00
	1397	F. 10.56	2.50	1.36
Ace-Hi Horse Feed.....	.....	G. 10.00	3.00	11.00
	1734	F. 10.88	3.31	7.52
Ace-Hi Laying Mash.....	.....	G. 19.00	4.00	7.00
(winter protein 20.00).....	1284	F. 20.88	3.85	6.87
Ace-Hi Laying Mash with 4% Tobacco Dust.....	.....	G. 20.00	4.00	7.00
	1738	F. 20.19	5.06	6.27
Ace-Hi Laying Pellets (winter protein 20.00).....	.....	G. 19.00	4.00	7.00
Ace-Hi 66% Protein Liver Meal.....	.....	G. 66.00	10.00	1.00
Ace-Hi Mash with Tobacco Dust.....	.....	.....	.....	.....
Ace-Hi Moulting Mash.....	.....	G. 19.00	4.00	7.50
	1627	F. 18.75	5.20	6.74
Ace-Hi Pig Feed.....	.....	G. 11.00	2.00	12.00
Ace-Hi Pigeon Feed.....	.....	G. 11.00	4.50	4.00
	1293	F. 11.13	2.38	2.23
	1688	F. 11.13	2.56	2.36
Ace-Hi Pigeon Grit No. 10 or No. 6 (see Table 4).....	.....	.....	.....	.....
Ace-Hi Poultry Breeders Mash.....	.....	G. 17.00	4.00	8.00
	.....	G. 16.00	3.00	16.00
Ace-Hi Rabbit Pellets.....	.....	F. 16.06	3.14	16.70
	1690	G. 10.00	2.50	3.00
Ace-Hi Scratch Feed.....	.....	F. 9.69	2.76	1.72
	1365	G. 16.00	3.00	16.00
Ace-Hi Special Rabbit Pellets.....	.....	F. 16.25	3.19	15.59
	1283	G. 20.00	5.00	7.00
Ace-Hi Turkey Breeders Mash.....	.....	F. 19.63	4.49	6.74
	1290	G. 21.00	4.00	7.00
Ace-Hi Turkey Finishing Mash.....	.....	F. 22.00	4.31	5.84
	1732	G. 24.00	5.00	7.00
Ace-Hi Turkey Growing Mash.....	.....	F. 24.13	4.78	6.65
	1291	G. 40.00	5.00	6.00
Ace-Hi Turkey & Poultry Concentrate.....	.....	F. 40.88	5.14	4.50
	1371	G. 24.00	4.50	6.00
Ace-Hi Turkey Starting Mash.....	.....	F. 26.88	4.80	5.78
	1394	G. 18.00	3.00	7.00
Ace-Hi Vitatone Conditioner Mash	.....	F. 17.69	3.95	6.89
	1300	G. 20.00	4.00	8.00
Ace-Hi Wire Mash.....	.....	F. 21.13	5.19	8.68
	1294	.....	.....	.....

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Ace-Hi 2% Yeast Mash.....	.....	G. 18.00	4.00	7.00
	1370	F. 17.88	3.54	8.15
Bonnafoux Rabbit Alfalfa Meal.....	.....	G. 15.00	2.00	28.00
	1800	F. 15.50	1.91	28.27
Daisy Duck Mash Pellets.....	.....	G. 15.00	3.50	11.00
Daisy Laying Mash.....	.....	G. 16.00	3.25	11.00
Del Mar 64% Protein Sardine Fish Meal.....	.....	G. 64.00	4.00	1.00
Dried Buttermilk.....	.....	G. 31.00	3.00	0.00
Dried Skim Milk.....	.....	G. 35.00	1.00	0.00
	1685	F. 33.88	1.28	0.00
Eagle Growing Mash.....	.....	G. 16.00	4.00	8.00
Eagle Laying Mash.....	.....	G. 18.00	3.75	8.00
	1297	F. 21.00	4.55	7.97
Eagle Rabbit Pellets.....	.....	G. 15.00	3.00	17.00
Eagle Rabbit Rolled Barley.....	.....	G. 8.00	2.00	6.00
Ground Blood.....	.....	G. 80.00	0.00	0.00
Hi Plane Whole Mash.....	.....	G. 17.00	3.75	8.00
	1730	F. 19.38	3.65	7.86
Jao Cui Pien Copra Meal.....	.....	G. 19.00	6.00	11.00
Knudsen Dried Skim Milk.....	.....	G. 33.00	1.00	0.00
Luzon Copra Meal.....	.....	G. 19.00	6.00	11.00
Mash Ground Barley.....	.....	G. 8.00	1.50	8.00
Our Special Mash.....	.....	G. 15.00	3.25	11.00
Our Special Rabbit Pellets.....	.....	G. 14.00	2.50	18.00
Our Special Scratch Feed.....	.....	G. 10.00	2.50	3.00
	1697	F. 10.00	2.31	1.92
Red Flaky Wheat Bran.....	.....	G. 15.00	3.00	10.00
50-50 Scratch Feed.....	.....	G. 10.00	2.50	3.00
Special Pigeon Feed.....	.....	G. 12.00	4.00	4.00
Standard Brand Laying Mash.....	.....	G. 18.00	3.75	9.00
	1299	F. 19.56	3.80	8.70
Corrected.....	.....	G. 20.00	3.75	9.00
Standard Dairy Feed.....	.....	G. 15.00	3.00	11.50
	1369	F. 18.75	4.03	9.87
Standard Rolled Barley.....	.....	G. 8.00	1.50	6.50
Standard Scratch Feed.....	.....	G. 10.00	2.50	3.00
Sterilized Steamed Bone (see Table 4).....	.....	.....	.....	.....
Suncured Alfalfa Meal.....	.....	G. 16.00	2.00	25.00
Sun Ripe Brand 30% Protein Old Process Linseed Meal.....	.....	G. 30.00	6.00	10.00
30% Protein Old Process Linseed Meal.....	.....	G. 30.00	6.00	10.00
Torch Brand Old Processed Linseed Meal.....	.....	G. 31.00	5.00	12.00
31% Protein.....	.....	.....	.....	.....
Valley Farm Dairy Feed.....	.....	G. 14.00	2.50	13.00
	1736	F. 14.63	2.55	15.68
Valley Farm Rabbit Pellets.....	.....	G. 13.50	2.75	19.00
	1628	F. 15.13	3.52	18.32
Van Camp 62% Protein Sardine Fish Meal.....	.....	G. 62.00	5.00	1.00
Van Camp's 64% Protein Sardine Fish Meal.....	1686	G. 64.00	4.00	1.00
		F. 65.50	3.58	0.14
Van Camp's 65% Protein Sardine Fish Meal.....	1687	G. 65.00	4.00	1.00
		F. 70.56	2.56	0.14

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Vita-Greens Dehydrated Alfalfa Meal.....	.....	G. 18.00	1.50	24.00
Wheat Bran, with Millrun of Screenings.....	.....	G. 14.00	3.00	10.00
Wheat Bran with 15% Molasses....	.....	G. 12.00	2.50	10.00
	1296	F. 13.75	2.83	7.50
	1737	F. 14.06	2.91	8.22
Wheat Brown Shorts.....	.....	G. 9.00	3.00	5.00
California Rendering Co., Ltd., Los Angeles, California Premier Brand 50% Protein Meat & Bone Scraps.....	.....	G. 50.00	6.00	2.00
Capital Fuel, Feed & Seed Co., Phoenix, Arizona Alfalfa Screenings with 10% Molasses.....	.....	G. 20.00	4.00	15.00
Capitol Brand All-In-One Developer.....	.....	G. 16.00	3.00	6.00
Capitol Brand All-In-One Eggmaker.....	.....	G. 17.00	3.00	7.00
Capitol Brand All-In-One Starter..	.....	G. 18.00	3.25	5.00
Capitol Brand Battery Mash.....	.....	G. 18.50	4.00	6.50
	1579	F. 17.81	4.50	5.40
Capitol Brand Breeder Mash or Pellets.....	.....	G. 20.00	3.25	7.00
	1580	F. 20.94	4.52	5.64
Capitol Brand Broiler Mash or Pellets.....	.....	G. 18.50	3.25	6.00
	1581	F. 19.00	4.56	5.49
Capitol Brand Chick Grain.....	.....	G. 10.00	2.50	5.00
	1576	F. 13.06	3.70	2.14
Capitol Brand Dairy Feed.....	.....	G. 20.00	3.50	7.00
	1585	F. 18.94	4.24	8.66
Capitol Brand Growing Grain.....	.....	G. 10.00	2.50	3.00
	1575	F. 11.50	3.18	1.76
Capitol Brand Growing Mash or Pellets.....	.....	G. 17.50	3.25	6.00
	1584	F. 18.75	4.38	5.88
Capitol Brand Laying Mash or Pellets.....	.....	G. 20.00	3.00	7.00
	1582	F. 21.25	4.20	5.50
Capitol Brand Molasses Dairy Feed.....	.....	G. 18.00	3.50	7.00
	1676	F. 17.38	3.84	8.03
Capitol Brand Mineralized Bran with Molasses.....	.....	G. 12.50	3.00	12.50
Capitol Brand Pan-A-Min Growing Mash or Pellets.....	.....	G. 17.50	3.25	6.00
	1583	F. 19.13	4.20	6.41
Capitol Brand Pan-A-Min Laying Mash or Pellets.....	.....	G. 20.00	3.00	7.00
Capitol Brand Pigeon Feed.....	.....	G. 10.00	2.00	5.00
	1574	F. 11.63	2.86	2.53
Capitol Brand Scratch Grain.....	.....	G. 10.00	2.50	4.00
	1577	F. 10.69	2.44	2.04
Capitol Brand Special Dairy Sweet Feed.....	.....	G. 15.00	2.50	9.00
	1586	F. 16.44	2.50	14.20
Capitol Brand Starting Mash or Pellets.....	.....	G. 18.50	3.25	5.00
	1678	F. 19.63	4.07	4.53
Capitol Brand Thorobred Horse Feed.....	.....	G. 12.00	3.00	8.00
	1587	F. 13.88	3.62	6.08

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Capitol Brand Turkey Breeder Mash.....	.....	G. 22.00	4.75	6.50
Capitol Brand Turkey Growing Mash.....	.....	G. 23.50	4.75	6.50
Capitol Brand Turkey Maturing and Finishing Mash.....	.....	G. 21.50	4.50	6.50
Capitol Brand Turkey Poulting Mash.....	1588	G. 24.50	5.00	6.00
Economy Brand Egg Mash (canceled).....	.....	F. 23.38	4.76	5.18
Economy Brand Hen Scratch.....	.....	G. 20.00	3.50	5.50
	1573	G. 10.00	2.50	4.00
	1677	F. 10.38	2.76	1.78
Ground Beet Seed Screenings.....	.....	F. 11.69	2.69	1.56
Ground Grain Screenings with 18% Molasses.....	.....	G. 10.00	1.75	25.00
Molasses Beet Feed.....	1249	G. 9.00	1.30	15.00
	.....	F. 10.25	1.32	10.72
Thunderbird All Age Poultry Feed.....	.....	G. 7.50	1.00	25.00
	1679	F. 11.06	1.03	20.00
Thunderbird Dairy Mash.....	.....	G. 17.50	3.50	7.00
	1325	F. 21.31	4.38	5.53
Thunderbird Laying Mash.....	.....	G. 18.00	2.69	14.53
	1718	F. 19.25	3.04	13.09
	1578	G. 20.00	3.00	7.00
	.....	F. 20.63	4.60	8.85
Carey Salt Company, Hutchinson, Kansas				
Carey's Mineral Supplement Salt (see Table 4).....	.....	.....	.....	.....
Carey's Monocalcium Phosphate Salt (see Table 4).....	.....	.....	.....	.....
Carey's "AA" Mineral Supplement Salt—Iodized (see Table 4).....	.....	.....	.....	.....
Carey's Iodized Mineral Supplement Salt (see Table 4).....	.....	.....	.....	.....
Community Milling Company, El Paso, Texas				
C. M. C. Hen Feed.....	.....	G. 10.00	3.00	3.50
Community Dairy Feed.....	.....	G. 15.00	3.80	8.20
Victory Chick Starter with Charcoal.....	.....	G. 15.00	4.00	5.00
Victory Growing Mash with Charcoal.....	1334	G. 14.00	3.50	8.00
Victory Laying Mash with Charcoal.....	.....	F. 15.25	4.70	7.06
	1333	G. 18.00	4.00	7.00
Victory Scratch Feed.....	.....	F. 20.69	4.62	6.31
	1407	G. 10.50	2.60	4.01
Wheat Bran & Screenings.....	.....	F. 11.75	2.66	1.90
	1717	G. 14.50	3.00	10.00
Wheat Gray Shorts.....	.....	F. 17.06	3.75	8.32
	1443	G. 16.00	3.50	5.00
Wheat Mixed Feed.....	.....	F. 17.88	4.53	5.79
	.....	G. 16.00	3.50	8.50
The G. E. Conkey Company, Cleveland, Ohio				
Conkey's Y-O.....	.....	G. 30.00	10.00	6.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Consolidated Chemical Industries, Inc., San Francisco, Calif. Digesta-Bone (see Table 4).....	.....	.....	.....	.....
P. E. Cook Seed Store, Calexico, California 40% Protein Cottonseed Cake-Meal (see Table 3)..... Mexicali Bran.....	.....	G. 11.80	4.10	6.90
Cottonwood Fuel & Feed Company, Cottonwood, Arizona Yavapai Scratch Feed.....	1572	G. 9.00 F. 10.63	2.00 2.86	3.00 2.66
Creeks Fuel & Feed Company, Lowell, Arizona Creeks Dairy Ration..... Creeks Mexican Bran..... Creeks Scratch Grain.....	..... 1437 1439 1438	G. 20.00 F. 22.13 G. 15.50 F. 15.31 G. 9.00 F. 12.75	4.00 5.49 2.50 4.29 1.50 2.92	9.00 8.14 8.00 8.92 3.00 2.05
The Cudahy Packing Company, Los Angeles, California Cudahy's All Purpose Mineral Feed with Iodine (see Table 4)..... Cudahy's All Purpose Mineral Feed with Iodine—50 pound blocks (see Table 4).....	.....	.....	.....	.....
Davies Fuel & Feed Company, Douglas, Arizona Davies Laying Mash (canceled)..... Davies Mexican Bran..... Davies Panamin Laying Mash..... Davies Special Scratch Feed.....	..... ..... 1412 1400 1399	G. 19.00 G. 16.00 F. 16.38 G. 19.00 F. 21.13 G. 10.00 F. 12.63	3.25 3.00 3.37 3.50 4.08 2.50 2.53	7.00 3.50 8.63 7.00 5.64 4.00 2.20
The Denver Alfalfa Milling & Products Co, Lamar, Colorado Alfalfa Leaf Meal (Leafalfa Brand)	..... 1751	G. 20.00 F. 17.88	2.50 2.20	18.00 16.71
The Dodge City Flour Mills, Dodge City, Kansas Wheat Bran and Ground Wheat Screenings .....	.....	G. 14.50	3.50	11.00
Douglas Public Market, Douglas, Arizona D P M Mexican Wheat Bran.....	.....	G. 14.00	3.00	10.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
The Eagle Flour Mills, Denver, Colorado				
Blended White Shorts.....	.....	G. 14.00	2.50	4.50
	1785	F. 18.25	2.06	2.43
Pure Gold Lay Mash.....	.....	G. 19.00	5.00	8.00
Pure Gold Scratch Grains.....	.....	G. 10.00	3.00	5.00
	1719	F. 12.63	2.22	2.12
Wheat Bran & Screenings.....	.....	G. 14.50	3.50	10.00
	1327	F. 17.75	4.08	8.12
Wheat Grey Shorts.....	.....	G. 16.00	3.50	6.00
	1616	F. 20.06	4.76	5.64
Wheat Mixed Feed and Screenings	.....	G. 15.50	4.00	8.50
	1406	F. 18.75	4.03	7.44
Economy Hog & Cattle Powder Co., San Francisco, California				
Economy Mineral Compound (see Table 4).....	.....	.....	.....	.....
Economy Super Mineral for Dairy Cows and Calves (see Table 4)	.....	.....	.....	.....
Economy Super Mineral for Poultry (see Table 4).....	.....	.....	.....	.....
Economy Super Mineral for Sheep (see Table 4).....	.....	.....	.....	.....
Falvey's Feed and Supply Co., Tucson, Arizona				
Falvey's Scratch.....	.....	G. 9.50	2.00	3.00
	1282	F. 12.13	2.38	1.94
Falvey's Special Pigeon Feed.....	.....	G. 11.00	2.00	3.50
	1281	F. 13.50	2.29	3.05
Falvey's Special Scratch.....	.....	G. 9.50	2.00	3.50
Farmers Cooperative Oil Mill, El Paso, Texas				
43% Protein Cottonseed Cake, Prime Quality (see Table 3)....	.....	.....	.....	.....
43% Protein Cottonseed Meal, Prime Quality (see Table 3)....	.....	.....	.....	.....
43% Protein Cottonseed Pellets, Prime Quality (see Table 3)....	.....	.....	.....	.....
Farmers Seed & Feed Association of Arizona, Phoenix, Arizona				
Farmers Calf Meal.....	.....	G. 15.00	3.50	5.00
Farmers Chick Grain.....	.....	G. 10.00	2.50	3.50
	1470	F. 11.88	2.70	1.70
Farmers Chick Mash.....	.....	G. 18.00	3.00	4.50
	1469	F. 21.06	4.04	2.64
Farmers Corn Scratch.....	.....	G. 10.00	3.00	4.00
	1468	F. 11.88	2.44	2.23
Farmers Developing Scratch.....	.....	G. 10.00	3.00	4.00
Farmers Growing Mash.....	.....	G. 15.00	3.00	5.00
	1467	F. 17.75	3.42	2.54
Farmers Laying Mash.....	.....	G. 20.00	3.00	7.00
	1466	F. 23.50	4.14	4.14
Farmers Pigeon Scratch.....	.....	G. 11.00	3.50	4.00
	1646	F. 11.38	2.44	2.02

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Farmers Regular Dairy.....	.....	G. 17.00	3.50	9.00
	1471	F. 19.75	3.78	4.50
Farmers Special Dairy Feed.....	.....	G. 16.00	3.00	10.00
Fattening Mash.....	.....	G. 15.00	2.50	7.00
	1645	F. 15.06	2.74	3.54
Farmers Warehouse Company, Inc., Willcox, Arizona				
Willcox Dairy Feed.....	.....	G. 21.00	3.50	9.00
	1328	F. 21.13	4.70	6.40
Scratch Feed.....	.....	G. 10.00	2.50	3.00
	1329	F. 12.88	3.40	2.45
Fernando Valley Milling & Supply Co., Van Nuys, Calif.				
Fernando Ideal Greens—Alfalfa Leaf Meal.....	.....	G. 20.00	2.50	18.00
	1373	F. 21.00	2.06	18.88
Forman & Sons, Yuma, Arizona				
Forman's Mexican Bran.....	.....	G. 14.00	3.00	10.00
S. A. Gardanier, Douglas, Arizona				
Mexican Bran (Gardanier's).....	.....	G. 14.00	3.00	10.00
	1436	F. 15.25	4.56	8.63
General Mills, Inc., Western Division, Sperry Flour Co., San Francisco, California				
Chick Scratch.....	.....	G. 9.50	2.00	2.50
	1710	F. 10.56	2.50	1.30
Cocci-Blackhead Flush Mash.....	.....	G. 11.50	3.00	4.00
Duck Pellets.....	.....	G. 18.00	3.75	9.50
Fifty-Fifty Scratch Feed.....	.....	G. 8.00	2.00	4.00
Goat Feed Pelleted.....	.....	G. 14.00	3.25	10.00
Life Cycle Mash.....	.....	G. 16.50	3.50	8.00
Olympic Broiler—Fryer Ration.....	.....	G. 18.50	3.50	7.00
Olympic Chick Scratch.....	.....	G. 10.00	2.00	2.50
	1594	F. 10.19	2.26	1.46
Olympic Dairy 17½.....	.....	G. 17.50	4.00	10.75
	1745	F. 19.00	3.54	9.90
Olympic Dairy 20.....	.....	G. 20.00	3.75	10.00
Olympic Egg Mash.....	.....	G. 20.00	4.00	8.00
Olympic Grainnibs with 80% Grain	.....	G. 10.00	2.00	9.00
Olympic Pigeon Feed.....	.....	G. 12.00	2.00	2.50
Olympic Pullet Scratch.....	.....	G. 10.00	2.00	2.50
Olympic Rabbit Pellets.....	.....	G. 15.00	2.50	17.00
Olympic Rabbit Pellets without Alfalfa Meal.....	.....	G. 14.50	3.50	8.50
Pigeon Feed.....	.....	G. 11.50	2.00	3.50
	1789	F. 12.75	2.13	2.32
Pullet Scratch.....	.....	G. 9.50	2.00	2.50
Scratch.....	.....	G. 9.50	2.00	2.50
Sperry 40% Hog Concentrate.....	.....	G. 40.00	5.50	7.00
Sperry Combination Laying Food..	.....	G. 17.00	3.50	7.50
Sperry Special Laying Mash.....	.....	G. 18.00	3.75	9.50
	1595	F. 19.88	4.86	8.78
Sperry Special Scratch.....	.....	G. 8.00	2.00	4.00
	1596	F. 9.62	2.67	1.94

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Sperry Surefat.....	.....	G. 14.00	3.75	5.00
SureBroiler.....	.....	G. 18.00	4.00	6.50
SureBuild.....	.....	G. 19.00	4.00	7.00
SureCalf.....	1597	F. 20.25	4.86	6.89
.....	.....	G. 25.00	4.00	4.50
.....	1711	F. 27.69	4.05	2.74
.....	.....	G. 16.00	3.75	8.00
SureHatch Breeder Mash.....	.....	G. 20.00	4.00	7.50
Suregobble Breeder Mash Pelleted	.....	G. 20.00	4.00	7.50
SureLay.....	.....	G. 20.00	4.00	7.50
.....	1243	F. 21.25	5.00	7.35
SureLay with 2% Tobacco Dust.....	.....	G. 20.00	4.00	7.50
SureLay with 3½% Tobacco Dust..	.....	G. 20.00	4.00	7.50
SureLive Baby Chick Mash.....	.....	G. 16.50	4.25	7.00
SureMilk 16.....	.....	G. 16.00	3.25	10.00
.....	1712	F. 18.13	3.66	9.48
SureMilk 20.....	.....	G. 20.00	4.00	9.50
SureMilk 32.....	.....	G. 32.00	4.00	10.00
SurePork.....	.....	G. 17.50	3.50	8.00
SureRabbit Green Pellets.....	.....	G. 15.00	2.50	18.00
SureRabbit Pelleted.....	.....	G. 14.00	3.50	9.00
.....	1598	F. 15.00	3.80	8.74
SureTurk Builder.....	.....	G. 24.00	4.50	6.50
.....	1599	F. 24.75	5.28	6.48
SureTurk Builder with 3½% Tobacco Dust.....	.....	G. 24.00	4.50	6.50
SureTurk Finisher (canceled).....	.....	G. 19.00	3.50	7.00
SureTurk Finisher Grower Pellets..	.....	G. 19.00	3.50	7.00
.....	1790	F. 21.44	4.64	6.18
SureTurk Finisher with 3½% Tobacco Dust.....	.....	G. 19.00	3.50	7.00
35% Turkey Concentrate.....	.....	G. 35.00	5.50	8.00
40% Turkey Concentrate.....	.....	G. 40.00	6.00	3.75
43% Turkey Concentrate.....	.....	G. 43.00	6.00	3.00
Wheat Bran.....	.....	G. 12.00	3.00	10.00
Wheat Mixed Feed with Ground Screenings Not Exceeding Run of Mill.....	.....	G. 13.00	3.00	9.00
Wheat Mixed Feed with Ground Screenings Not Exceeding Run of Mill with 15% Molasses.....	.....	G. 13.50	3.00	8.00
Wheat Shorts with Ground Screenings Not Exceeding Run of Mill.....	.....	G. 14.00	3.00	7.00
Wheat Bran with Ground Wheat Screenings, Not Exceeding 8%	1795	G. 15.00	3.50	11.00
.....	.....	F. 16.44	3.92	10.56
Fred Giesler—The Popular Store, Naco, Arizona				
Obregon Wheat Bran.....	.....	G. 15.00	3.50	10.00
.....	1728	F. 15.38	3.95	8.29
Globe Grain and Milling Co., Los Angeles, California				
Blended Wheat Mixed Feed.....	.....	G. 15.00	3.00	9.00
20% Daisy Dairy Feed.....	.....	G. 20.00	4.00	11.00
Daisy Dairy Feed 20% (corrected)	.....	G. 20.00	4.00	10.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
25% Daisy Dairy Concentrate (canceled).....	G. 25.00	5.00	10.00
Globe A-1 Baby Chick Scratch.....	G. 10.00	2.50	3.00
Globe A-1 Baby Chick Starter.....	G. 18.00	4.00	5.50
	1409	F. 19.69	4.33	6.24
Corrected.....	G. 18.00	4.00	6.00
Globe A-1 Battery Mash.....	G. 20.00	4.00	5.50
Globe A-1 Booster Ration.....	G. 23.00	5.00	9.00
Globe A-1 Breeder's Laying Mash..	G. 20.00	4.50	7.50
Globe A-1 Calf Food.....	G. 22.00	4.00	5.00
Globe A-1 Coarse Complete Feed..	G. 20.00	4.00	6.50
Corrected.....	G. 20.00	4.00	7.50
Globe A-1 Complete Baby Chick Starter.....	G. 16.00	4.00	6.00
Globe A-1 Complete Growing Feed Corrected.....	G. 15.00	4.00	7.00
	G. 15.00	4.00	7.50
Globe A-1 Complete Laying Feed..	G. 17.00	4.00	7.00
Globe A-1 Crate Fattener.....	1776	F. 18.81	4.06	6.82
	G. 14.00	4.00	4.00
Globe A-1 Dairy Feed.....	G. 16.00	4.00	12.00
Globe A-1 Finishing & Dry Fattening Mash.....	G. 17.00	5.00	7.50
Corrected.....	G. 18.00	4.00	7.50
Globe A-1 Fryer & Broiler Mash..	G. 18.00	4.00	7.00
Corrected.....	G. 18.00	4.00	9.00
Globe A-1 Goat Pellets.....	G. 17.00	4.00	9.00
Globe A-1 Growing Chick Mash....	G. 18.00	4.00	7.00
	1410	F. 20.25	4.26	7.10
	G. 10.00	2.50	3.00
Globe A-1 Growing Chick Scratch..	1708	F. 10.69	2.24	2.50
Globe A-1 Hog Concentrate (canceled).....	G. 40.00	5.00	5.00
A-1 Special Hog Ration (canceled)	G. 19.00	5.00	8.00
Globe A-1 Hog Ration.....	G. 19.00	4.00	8.00
Corrected.....	G. 20.00	4.00	7.00
	1411	F. 21.88	4.70	7.36
Globe A-1 Laying Mash.....	G. 20.00	4.00	8.00
	1780	F. 21.19	4.62	7.34
Globe A-1 Milk Control Mash.....	G. 14.00	2.50	3.50
Globe A-1 Mineralized Mash.....	G. 17.50	4.00	10.00
	1775	F. 18.88	3.74	9.09
Globe A-1 Pigeon Feed.....	G. 12.00	4.50	4.00
Globe A-1 Poultry Concentrate.....	G. 40.00	6.00	6.00
Globe A-1 Pullet Developer.....	G. 16.00	4.00	8.00
Corrected.....	G. 17.00	3.50	8.00
	1777	F. 18.44	3.89	8.60
Globe A-1 Rabbit Grain-etts.....	G. 15.00	4.00	8.00
Corrected.....	G. 15.00	3.00	8.00
Globe A-1 Scratch.....	G. 10.00	2.50	4.00
	1786	F. 12.44	2.51	1.78
Globe A-1 Start to Finish Mash.....	G. 20.00	4.00	6.50
Corrected.....	G. 20.00	4.00	7.00
Globe A-1 Turkey Breeders Mash..	G. 20.00	4.50	9.00
Globe A-1 Turkey Developer.....	G. 20.00	4.00	8.50
Globe A-1 Turkey Growing Mash..	G. 19.00	4.00	9.00
Globe A-1 Turkey Starter.....	G. 18.00	4.50	8.00
Corrected.....	G. 22.00	4.00	8.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Globe A-1 Twenty-Eighty Rabbit Pellets.....	.....	G. 15.00	3.00	11.00
Globe A-1 Wonder Rabbit Pellets..	.....	G. 15.00	3.00	16.00
Corrected.....	.....	G. 15.00	3.00	18.00
Globe A-1 Worm Control Mash (canceled).....	.....	G. 16.00	3.00	7.00
Globe IXL Scratch.....	.....	G. 9.00	2.50	4.00
	1781	F. 11.50	2.72	1.94
IXL Laying Mash.....	.....	G. 19.00	4.00	8.50
Utility Egg Mash.....	.....	G. 17.00	3.00	8.50
Utility Scratch Feed.....	.....	G. 9.00	2.50	4.00
	1555	F. 10.38	2.84	2.07
White Wheat Mixed Feed.....	.....	G. 12.00	3.00	10.00
Globe Mills, Incorporated, El Paso, Texas				
Finely Ground Corn Chops.....	.....	G. 9.00	4.00	3.00
Globe Mills Bran, Shorts & Screenings.....	.....	G. 14.00	3.80	7.10
Globe Mills Laying Mash with Alfalfa Meal and Charcoal.....	.....	G. 18.00	3.60	7.00
Globe Mills Peerless Brand Hen Feed.....	.....	G. 9.80	2.80	3.20
Sifted Corn Chops.....	.....	G. 8.00	3.00	3.00
Wheat Bran & Screenings.....	.....	G. 14.50	3.00	10.00
Wheat Gray Shorts.....	.....	G. 17.00	4.00	6.00
	1398	F. 17.50	4.18	3.70
Glesby Bros. Grain & Milling Co., Monrovia, California				
Glesby's Diamond Brand All-Purpose Mash.....	.....	G. 17.00	4.00	6.00
Glesby's Diamond Brand I.D.L. Egg Laying Mash.....	.....	G. 20.00	4.00	9.00
Gold Spot Hatchery, Phoenix, Arizona				
Gold Spot All in One Laying Pellets	.....	G. 16.00	3.00	6.00
	1188	F. 17.00	3.95	5.30
Gold Spot Baby Chick Mash.....	.....	G. 18.75	4.00	6.00
	1189	F. 18.81	5.02	5.04
Corrected.....	.....	G. 18.00	4.00	6.00
Gold Spot Baby Chick Scratch.....	.....	G. 10.00	2.50	3.00
	1190	F. 11.38	2.05	1.44
Gold Spot Broiler Mash.....	.....	G. 19.50	4.00	6.00
	1191	F. 19.63	6.36	5.44
Gold Spot Coxol Mash.....	.....	G. 18.00	8.00	5.00
	1478	F. 17.75	10.68	4.54
Gold Spot Dairy Feed.....	.....	G. 17.00	3.00	8.75
	1192	F. 17.06	3.17	7.54
Gold Spot Developing Mash.....	.....	G. 17.00	3.00	6.50
	1193	F. 17.06	4.41	4.84
Corrected.....	.....	G. 16.50	3.00	6.50
Gold Spot Fattening Mash.....	.....	G. 15.00	3.50	3.50
	1194	F. 15.13	3.90	4.00
Gold Spot Hen Scratch.....	.....	G. 10.00	2.50	3.00
	1195	F. 11.31	3.05	2.05

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Gold Spot Laying Mash.....	.....	G. 21.00	4.00	5.50
	1196	F. 20.44	4.38	4.78
Corrected.....	.....	G. 20.00	4.00	5.50
Thrif-T Laying Mash.....	.....	G. 19.00	3.50	6.50
Graden Mercantile Company, Durango, Colorado				
Graden's Best 32% Concentrate (balancer for poultry).....	.....	G. 32.00	4.00	7.00
Graden's Best Lay Mash.....	.....	G. 19.00	3.50	8.00
Graden's Best Wheat Mixed Feed and Screenings.....	1613	G. 14.00	3.00	8.50
		F. 16.13	5.08	8.76
Graden's White Shorts.....	.....	G. 14.50	3.00	4.00
	1617	F. 17.75	3.79	3.00
Great Atlantic & Pacific Tea Co.,† Los Angeles, California				
Daily Egg Scratch Feed.....	.....	G. 10.00	2.50	3.00
	1380	F. 10.13	2.10	1.53
Daily Growth Chick Starter.....	.....	G. 17.00	4.00	7.00
Daily Growth Fine Chick Feed.....	.....	G. 10.00	2.50	3.00
	1709	F. 11.56	2.36	1.40
Daily Growth Growing Mash.....	.....	G. 15.00	4.00	7.00
Special Daily Egg Mash Feed.....	.....	G. 19.00	4.00	7.00
	1381	F. 23.75	3.83	6.37
Haynie's Feed Store, Douglas, Arizona				
Haynie's Mexico Wheat Bran.....	.....	G. 14.00	3.00	10.00
	1720	F. 16.50	3.65	7.15
Plain Bag Dairy Feed.....	.....	G. 14.00	3.00	10.00
	1405	F. 16.63	3.98	5.02
Plain Bag Laying Mash.....	.....	G. 18.00	3.00	7.00
	1404	F. 22.06	4.64	5.08
Plain Bag Scratch Feed.....	.....	G. 10.00	2.00	3.00
	1403	F. 12.19	2.48	1.66
D. M. Haws, Colonia Dublan, Chihuahua, Mexico				
Haws Mexican Wheat Bran.....	.....	G. 14.00	3.00	10.00
	1713	F. 15.56	3.96	8.76
Dr. Hess & Clark, Inc., Ashland, Ohio				
Dr. Hess Hog Special (see Table 4)	.....	.....	.....	.....
Dr. Hess Poultry Pan-A-Min (see Table 4).....	.....	.....	.....	.....
Dr. Hess Stock Tonic (see Table 4)	.....	.....	.....	.....
Hungarian Flour Mills, Denver, Colorado				
Economy Chick Grains (canceled)	.....	G. 10.00	3.00	4.00
Producer Economy Chick Grains...	.....	G. 10.00	3.00	4.00
25% Pork Producer.....	.....	G. 25.00	4.00	7.00
Poult Starting Mash.....	.....	G. 25.00	4.00	6.00
Producer All Mash Chick Starter..	.....	G. 18.00	4.00	6.00
Producer Broiler Ration.....	.....	G. 18.00	4.00	8.00

†Mixed and guaranteed by California Milling Corp.

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Producer Quality Chick Grains.....	.....	G. 10.00	2.50	3.00
	1612	F. 12.13	2.29	1.89
Producer Chick Starter Complete Ration.....	1607	G. 16.00	4.00	7.00
		F. 19.38	4.49	4.66
Producer Chick Starter with Cod Liver Oil.....	.....	G. 18.00	4.00	6.00
Producer Developer Grains (canceled).....	.....	G. 10.00	2.50	3.00
Producer Quality Developer Grains.....	.....	G. 10.00	2.50	3.00
Producer Quality Lay Mash.....	.....	G. 19.00	4.00	8.00
	1610	F. 19.75	4.28	4.54
Producer Grow Mash with Cod Liver Oil.....	.....	G. 16.00	4.00	7.00
	1608	F. 16.31	4.18	4.90
Producer Pullet Ration.....	.....	G. 16.00	4.00	8.00
	1748	F. 18.31	3.91	5.38
Producer Hen Scratch (canceled)....	.....	G. 11.00	2.50	3.00
	1609	F. 12.44	2.66	2.18
Producer Scratch Grains.....	.....	G. 11.00	2.50	3.00
Producer Sun Life Growing Mash..	.....	G. 15.00	3.50	7.00
Red Wheat Mixed Feed and Ground Wheat Screenings.....	.....	G. 16.00	3.50	8.50
	1611	F. 20.38	4.87	7.39
Screened Cracked Yellow Corn.....	.....	G. 8.00	3.50	3.00
Wheat Bran.....	.....	G. 16.00	3.50	11.00
	1615	F. 18.50	3.58	9.15
Wheat Gray Shorts.....	.....	G. 16.00	3.50	6.00
	1614	F. 18.00	4.30	4.30
White Wheat Mixed Feed and Ground Wheat Screenings.....	.....	G. 14.50	3.00	8.50
Hurley Wholesale Meat Company, Phoenix, Arizona				
Hurley's Meat Scrap.....	.....	G. 50.00	7.00	2.50
	1507	F. 54.69	9.76	1.34
	1821	F. 56.75	8.83	1.37
Independent Fuel & Feed Co., Bisbee, Arizona				
Independent Scratch Feed.....	.....	G. 9.00	2.50	3.50
	1444	F. 12.25	2.86	2.63
Interstate Cotton Oil Company, Los Angeles, California				
Paymaster Brand 40% Protein Cottonseed Cake-Meal, Prime Quality (see Table 3).....	.....	.....	.....	.....
Paymaster Brand 28% Protein Linseed Meal, Prime Quality.....	1659	G. 28.00	4.50	9.50
		F. 31.38	8.40	9.23
Interstate Farmers, Inc., Duncan, Arizona				
Diamond Star Baby Chick Scratch..	.....	G. 11.00	2.00	4.00
	1340	F. 11.38	2.30	1.49
Diamond Star Chick Starter.....	.....	G. 18.00	3.00	7.00
	1339	F. 18.88	3.93	6.70
Diamond Star Grow Mash.....	.....	G. 16.00	3.50	5.50
	1337	F. 18.44	3.98	6.05

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Diamond Star Lay Mash.....	.....	G. 19.00	3.50	5.00
Corrected.....	1336	F. 18.88	4.48	4.12
Diamond Star Scratch Feed.....	.....	G. 19.00	3.50	7.00
Corrected.....	1792	F. 19.44	3.96	5.64
Diamond Star Scratch Feed.....	.....	G. 11.00	3.00	4.00
Corrected.....	1338	F. 11.25	2.69	1.52
	.....	G. 11.00	2.00	4.00
	1793	F. 12.13	2.82	2.36
Jacobs Fuel & Feed Company, Tucson, Arizona				
Circle J. Scratch Feed.....	.....	G. 9.00	2.00	4.00
	1250	F. 11.50	3.22	2.26
E. J. Johnson, Phoenix, Arizona				
Blue Ribbon Animal Food (beef pellets).....	.....	G. 24.00	4.00	4.00
Blue Ribbon Animal Food (egg pellets).....	.....	G. 20.00	10.00	4.00
Blue Ribbon Animal Food (tuna fish pellets).....	.....	G. 26.00	4.00	4.00
Johnson-Pearce Commercial Company, Inc., Mesa, Ariz.				
Conference All-In-One Growing Mash.....	.....	G. 14.00	6.00	8.00
	1501	F. 14.19	3.16	3.72
Conference All-In-One Laying Mash.....	.....	G. 16.00	3.00	3.00
	1505	F. 16.50	3.03	3.28
Conference All-In-One Starting Mash.....	.....	G. 16.00	3.00	3.00
Haws All-In-One Chick Mash.....	.....	G. 16.00	4.00	3.00
Perfecto Brand Chick Scratch Feed	.....	G. 10.00	3.00	3.00
Perfecto Brand Fattening Mash.....	.....	G. 13.00	4.00	5.00
Perfecto Brand Hen Scratch Feed..	.....	G. 10.00	3.00	3.00
	1502	F. 11.25	2.44	1.98
Perfecto Dairy Feed with Molasses	.....	G. 14.00	3.00	6.00
	1504	F. 15.38	3.75	5.22
Perfecto Egg Mash.....	.....	G. 18.00	4.00	6.00
	1499	F. 17.56	3.78	5.11
Perfecto Pan-A-Min Laying Mash	.....	G. 19.00	4.00	7.00
	1500	F. 16.63	3.64	4.61
Perfecto Pan-A-Min Starting and Growing Mash.....	.....	G. 18.00	4.00	5.50
	1498	F. 17.38	4.06	4.56
Perfecto Special 16% Dairy Feed	.....	G. 16.00	4.00	8.50
Perfecto Special 40% Hog Supplement.....	.....	G. 40.00	4.50	9.00
U. of A. Contest Laying Mash.....	.....	G. 18.00	5.00	6.00
	1503	F. 23.13	5.28	5.98
H. J. Jorgenson, Douglas, Arizona				
Chihuahua Wheat Bran.....	.....	G. 15.00	3.00	10.00
	1722	F. 16.31	4.17	8.22
Juab County Mill & Elevator Co., Nephi, Utah				
Nephi Laying Mash.....	.....	G. 19.50	3.50	8.00
Nephi Dairy Mash.....	.....	G. 12.00	3.40	8.00
Wheat Mixed Feed.....	.....	G. 13.00	3.00	10.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Kelco Company, Los Angeles, California				
Kelco-Meal	1770	G. 3.00 F. 6.00	0.10 0.48	10.00 6.60
Spencer Kellogg & Sons, Inc., Buffalo, New York				
Kellogg's 30% Protein Old Process Linseed Meal.....	1484	G. 30.00 F. 30.25	4.00 4.51	10.00 10.30
Kellogg's 41% Protein Old Process Soybean Oil Meal.....	1769	G. 41.00 F. 46.06	4.00 4.00	7.00 5.82
Kellogg's Pure Old Process 19% Protein Copra Meal.....	1483	G. 19.00 F. 20.38	5.00 5.37	11.00 12.80
Lamar Flour Mills, Lamar, Colorado				
Diamond M Chick Feed.....	1561	G. 10.00 F. 12.00	2.50 2.32	5.00 1.65
Diamond M Chick Growing Mash.... Corrected.....	1560	G. 15.00 F. 18.00	3.50 3.50	7.00 7.00
Diamond M Chick Starting Mash.. Corrected.....	1559	G. 18.38 F. 15.00	4.84 4.00	5.14 7.00
Diamond M Lay Mash.....	1562	G. 18.50 F. 20.25	4.00 4.94	7.00 5.00
Economy Egg Mash.....	1565	G. 19.00 F. 20.81	4.00 4.96	7.00 4.46
Scratch Grains.....	1564	G. 16.50 F. 17.88	4.50 4.52	8.50 6.76
Wheat Bran & Screenings.....	1558	G. 17.88 F. 10.00	4.52 2.50	6.76 5.00
Wheat Gray Shorts.....	1563	G. 11.75 F. 14.50	2.62 3.50	2.02 12.00
Wheat Mixed Feed & Screenings...	1783	G. 18.75 F. 16.00	4.43 3.25	8.70 6.00
	1564	G. 18.19 F. 14.50	4.18 4.00	4.42 8.50
		G. 18.13 F. 18.13	4.47 4.47	8.28 8.28
Larowe Milling Company, Los Angeles, California				
Molasses Dried Beet Pulp.....	1272	G. 7.00 F. 7.19	0.30 0.92	20.00 14.78
Corrected.....		G. 6.50	0.30	18.00
Leslie Salt Company, San Francisco, California				
Leslie Digesta-Bone Stoc Bloc (see Table 4).....	.....	.....	.....	.....
Leslie Iodized Stoc Bloc (see Table 4).....	.....	.....	.....	.....
Leslie Phosphate Stoc Bloc (see Table 4).....	.....	.....	.....	.....
Lowell Fuel & Feed Company, Lowell, Arizona				
Balanced Cow Ration.....	1414	G. 18.00 F. 19.50	3.00 4.22	9.50 7.10
	1724	F. 22.00	4.62	6.26
No. 1 Laying Mash.....	1415	G. 17.00 F. 19.19	3.00 4.17	8.00 5.86

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
No. 1 Scratch.....	..... 1416 1725	G. 11.00 F. 11.88 F. 13.38	2.50 2.62 2.54	3.00 1.92 2.60
McGaugh's Market, Cottonwood, Arizona				
McGaugh's Dairy Feed.....	..... 1568	G. 18.00 F. 20.38	3.00 5.30	13.00 10.26
McGaugh's Scratch Feed.....	..... 1569	G. 10.00 F. 11.31	2.00 2.62	4.00 2.16
Maricopa County Poultry Committee,† Phoenix, Arizona				
Co-op Baby Chick Mash (canceled)	..... 1462	G. 18.00 F. 20.13	3.00 4.46	7.00 4.56
Co-op Breeder & Laying Mash (canceled).....	.....	G. 19.00	3.50	7.00
Co-op Dairy Feed (canceled).....	.....	G. 18.00	3.50	8.50
Co-op Growing & Developing Mash (canceled).....	..... 1463	G. 19.00 F. 22.06	4.00 4.10	7.00 5.66
Co-op Laying Mash (canceled).....	..... 1464	G. 21.00 F. 23.75	3.50 4.23	7.00 4.70
Co-op Poult Starting Mash (can- celed).....	..... 1465	G. 20.00 F. 22.75	2.50 3.92	8.00 5.56
Co-op Turkey Finishing Mash (canceled).....	.....	G. 18.50	3.50	7.00
Co-op Turkey Growing & Develop- ing Mash (canceled).....	..... 1714	G. 18.00 F. 22.50	3.00 4.14	7.00 5.48
Maricopa County Tallow Works, Tempe, Arizona				
Maricopa Digester Tankage.....	..... 1660	G. 50.00 F. 44.88	6.00 25.48	4.00 1.32
Maxfield Feed & Coal, Inc., Murray, Utah				
Golden M Chick Growing Mash.....	.....	G. 16.00	4.00	7.50
Golden M Chick Starting Mash.....	.....	G. 18.00	4.00	7.50
Golden M Cracked Corn Scratch....	.....	G. 8.00	2.00	3.00
Golden M Dairy Concentrate.....	.....	G. 31.00	3.00	10.00
Golden M Dairy Feed.....	.....	G. 16.00	3.00	9.00
Golden M Hog Concentrate.....	.....	G. 36.00	3.50	9.00
Golden M Hog Meal.....	.....	G. 17.00	3.00	8.00
Golden M Laying Concentrate.....	.....	G. 43.00	5.00	8.00
Golden M Laying Mash.....	.....	G. 20.00	3.50	8.00
Golden M Little Pig Weaner.....	.....	G. 17.00	3.50	8.00
Golden M Minerals (see Table 4)..	.....	.....	.....	.....
Golden M Turkey Finisher.....	.....	G. 17.00	3.00	8.00
Golden M Turkey Growing Mash....	.....	G. 21.00	3.50	8.00
Golden M Turkey Starting Mash.....	.....	G. 24.00	4.00	7.50
Golden M Whole Corn Scratch.....	.....	G. 8.00	2.00	3.00
Middlings.....	.....	G. 12.00	2.00	4.00
Silver M Dairy Feed 14%.....	.....	G. 14.00	3.00	10.00
Silver M Dairy Feed 16%.....	.....	G. 16.00	3.00	10.00
Silver M Hog Meal.....	.....	G. 15.00	3.00	9.00
Silver M Laying Mash.....	.....	G. 20.00	4.00	8.00

†See United Producers & Consumers Cooperative.

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Mesa Feed Store, Mesa, Arizona				
Arizona Maid Chick Scratch.....	.....	G. 10.00	2.50	4.00
	1490	F. 11.38	2.15	1.83
Arizona Maid Chick Starter.....	.....	G. 16.00	3.00	5.00
	1491	F. 18.25	4.09	3.98
Arizona Maid Dairy Feed.....	.....	G. 18.00	3.50	8.00
	1492	F. 18.88	3.63	7.01
Arizona Maid Developing Mash.....	.....	G. 17.00	3.00	4.50
	1493	F. 18.13	3.72	3.74
Arizona Maid Fattening Mash.....	.....	G. 14.00	4.00	4.00
	1494	F. 16.13	4.65	3.36
Arizona Maid Hen Scratch.....	.....	G. 10.00	2.50	4.00
	1495	F. 11.25	2.64	2.11
Arizona Maid Laying Mash.....	.....	G. 20.00	3.50	5.00
	1496	F. 22.38	4.10	4.59
Meriden Creamery Company, Hutchinson, Kansas				
Meriden Condensed Buttermilk.....	.....	G. 10.00	2.00	0.00
Julius Meyer, Casa Grande, Arizona				
Fat 'Em Up (see Table 4).....	.....	.....	.....	.....
Middleton Feed & Seed Company, Tucson, Arizona				
Harvest Brand Pigeon Feed.....	.....	G. 11.00	2.00	4.00
	1234	F. 12.63	2.18	2.74
Harvest Breeders Mash.....	.....	G. 17.00	3.00	8.00
	1235	F. 20.94	4.51	5.98
Harvest Chick and Broiler Mash....	.....	G. 15.00	3.00	6.00
	1236	F. 17.63	4.26	5.34
Harvest Chick Foundation Mash....	.....	G. 18.00	3.00	7.00
	1237	F. 22.75	5.34	4.65
Harvest Dairy Ration.....	.....	G. 16.00	2.50	12.50
	1238	F. 17.88	3.86	10.08
Harvest Developing Grain.....	.....	G. 9.00	2.00	5.00
	1239	F. 10.50	2.02	2.12
Harvest Horse Feed.....	.....	G. 10.00	2.50	10.00
	1741	F. 14.25	3.09	8.08
Harvest Laying Mash.....	.....	G. 20.50	4.00	7.00
	1240	F. 21.44	4.84	5.80
Harvest Laying Mash Complete.....	.....	G. 16.00	3.00	6.00
	1241	F. 17.50	4.33	5.60
Harvest Laying Mash with Pan- A-Min.....	.....	G. 20.50	4.00	7.00
Ricke Special Turkey Grow Mash..	.....	G. 20.00	3.00	7.00
	1739	F. 25.19	4.64	6.00
Scratch Feed.....	.....	G. 9.50	2.00	4.00
	1242	F. 10.56	2.54	2.52
Miller Cereal Mills, Omaha, Nebraska				
Bar-B-Kubes .....	.....	G. 25.00	4.50	5.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Monte Vista Flour Mills, Monte Vista, Colorado				
Wheat Bran & Screenings.....	.....	G. 14.50	3.00	11.00
Wheat Mixed Feed & Screenings..	.....	G. 14.50	3.00	8.50
Morten Milling Company, Dallas, Texas				
Wheat Bran & Screenings.....	.....	G. 14.50	4.00	10.00
	1335	F. 17.38	4.16	10.13
Morton Salt Company, Chicago, Illinois				
Morton Calcium Phosphate Salt (see Table 4).....	.....	.....	.....	.....
Morton Iodized Salt (see Table 4)	.....	.....	.....	.....
J. M. Munguia, Nogales, Arizona				
Sonora Wheat Bran and Shorts.....	.....	G. 15.50	3.00	9.00
	1456	F. 16.00	3.82	8.62
Newsom's Feed Store, Tucson, Arizona				
Newsom's Scratch Feed.....	.....	G. 9.00	2.00	4.00
	1743	F. 11.25	2.69	2.07
Newsom's Dairy Feed.....	.....	G. 17.00	3.00	12.00
	1744	F. 20.63	3.52	9.78
Nogales Feed & Seed Company, Nogales, Arizona				
N. F. & S. Scratch Feed.....	.....	G. 9.00	2.00	4.00
	1449	F. 11.13	3.84	1.75
Nutrena Mills, Inc., Kansas City, Kansas				
Nutrena All Mash Egg Pellets.....	.....	G. 15.00	4.00	7.00
Nutrena Calf Meal.....	.....	G. 24.00	3.50	4.50
Nutrena Calf Pellets.....	.....	G. 20.00	3.00	8.00
Nutrena Chick Mash and/or Pellets	.....	G. 18.00	4.00	7.00
Nutrena Egg Mash and/or Pellets..	.....	G. 18.00	4.50	7.00
Nutrena 32% Grain Balancer— Mash or Pellets.....	.....	G. 32.00	5.00	7.00
Nutrena Growing Mash and/or Pellets.....	.....	G. 17.00	5.00	7.00
Nutrena Turkey Growing Mash and/or Pellets.....	.....	G. 18.00	3.50	7.00
Nutrena Turkey Starting Mash and/or Pellets.....	.....	G. 24.00	5.00	7.00
The Pacific Molasses Co., Ltd., San Francisco, California				Sugar cont.
Hawaiian Cane Molasses.....	.....	G. 3.00		48.00
	1817	F. 3.50		50.74
Philip R. Park, Inc., San Pedro, California				
Cattle Manamar.....	.....	G. 35.00	3.00	4.00
	1486	F. 36.00	2.85	2.67
Manamar.....	.....	G. 40.00	3.00	4.00
	1487	F. 42.56	3.25	2.08

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Mixing Manamar.....	G. 20.00	2.00	6.00
Van Camp 66% Protein Sardine Fish Meal.....	1630	G. 66.00 F. 67.25	4.00 3.24	1.00 0.18
M. W. Park & Company, Los Angeles, Calif.				
Parko Brand Meal.....	1771	G. 50.00 F. 51.69	8.00 8.32	2.00 1.45
Paul Lime Plant, Paul Spur, Arizona				
Cal-Pho-Sal (see Table 4).....
Paul Steamed Bonemeal (see Table 4).....
H. L. Paxton, Durango, Colorado				
Paxton's Wheat Bran.....	1749	G. 13.00 F. 17.25	3.00 4.80	12.00 8.18
Paxton's Wheat Shorts.....	G. 11.00	2.00	14.00
Pecos Valley Alfalfa Mill Co., Hagerman, New Mexico				
Alfalfa Meal.....	1693	G. 13.00 F. 13.06	1.50 2.13	33.00 32.53
Alfalfa Stem Meal.....	1692	G. 10.00 F. 12.38	0.80 1.18	39.00 35.72
Peevee Alfalfa Leaf Meal.....	1694	G. 20.00 F. 22.25	2.50 2.28	18.00 18.30
Velvet Brand Alfalfa Meal.....	G. 17.00	1.50	27.00
Phoenix Tallow Company, Phoenix, Arizona				
J-B Meat & Bone Scraps.....	G. 50.00	7.00	3.00
Pikes Peak Grain Company, Denver, Colorado				
Hen Scratch.....	G. 10.00	2.00	5.00
20% Plain Laying Mash.....	G. 20.00	4.75	7.50
Pillsbury Flour Mills Company, Minneapolis, Minnesota				
Feed 'Em All Mash Starting & Growing.....	G. 18.00	4.00	6.50
Feed 'Em Cattle Cubes.....	G. 12.00	2.00	10.00
Feed 'Em Cattle Fattener.....	G. 12.00	2.00	10.00
Feed 'Em Chick Feed.....	G. 10.00	2.50	5.00
Feed 'Em 16% Dairy Feed.....	G. 16.00	2.00	12.00
Feed 'Em 20% Dairy Feed.....	G. 20.00	3.00	10.00
Feed 'Em Egg Mash.....	G. 18.00	4.00	8.00
Feed 'Em Egg Mash Pellets.....	G. 18.00	4.00	8.00
Feed 'Em Growing Mash.....	G. 16.00	3.50	7.50
Feed 'Em Growing Pellets.....	G. 16.00	3.50	7.50
Feed 'Em Scratch Feed.....	G. 10.00	2.00	5.00
Palisade Horse & Mule Feed.....	G. 9.00	2.00	15.00
Pillsbury's All Mash Poul Start- ing Pellets.....	G. 23.00	4.00	6.50
Pillsbury's "Big F" Fattening Feed.....	G. 14.50	4.00	7.00
Pillsbury's Calf Meal.....	G. 25.00	2.50	4.00
Pillsbury's Cattle Cubes.....	G. 25.00	2.00	8.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Pillsbury's Cattle Fattener with ground limestone.....	.....	G. 25.00	2.00	8.00
Pillsbury's 24% Dairy Feed with molasses and ground limestone.....	.....	G. 24.00	3.00	10.00
Pillsbury's Egg Mash.....	.....	G. 18.00	3.50	8.00
Pillsbury's Egg Pellets.....	.....	G. 18.00	3.50	8.00
Pillsbury's Farm Circle Chick Mash.....	.....	G. 17.00	4.00	8.00
Pillsbury's Farm Circle Egg Mash.....	.....	G. 18.00	3.50	8.00
Pillsbury's Five Point Laying Mash.....	.....	G. 18.00	3.50	8.50
Pillsbury's Five Point Laying Mash Pellets.....	.....	G. 18.00	3.50	8.50
Pillsbury's Growing Mash.....	.....	G. 16.00	4.00	7.00
Pillsbury's Horse and Mule Feed.....	.....	G. 9.00	2.00	9.00
Pillsbury's Sheep Pellets.....	.....	G. 13.50	4.00	7.50
Pillsbury's Starting Feed.....	.....	G. 18.00	4.00	6.50
Pillsbury's Sweet Roughage Feed.....	.....	G. 9.00	2.00	15.00
Pillsbury's Turkey Egg Pellets.....	.....	G. 20.00	4.00	7.00
Pillsbury's Turkey Growing Mash.....	.....	G. 22.00	4.50	6.00
Pillsbury's Turkey Starting Feed.....	.....	G. 26.00	4.50	7.00
Pillsbury's Wheat Bran with Ground Wheat Screenings not exceeding 8%.....	.....	G. 14.50	3.50	11.00
Pillsbury's Wheat Gray Shorts.....	1740	G. 16.00 F. 19.38	3.50 5.08	6.00 6.00
Screened Cracked Corn—Hen Size.....	.....	G. 9.50	2.00	3.00
Screened Cracked Corn—Medium Size.....	.....	G. 9.50	2.00	3.00
Screened Cracked Corn—Chick Size.....	.....	G. 9.50	2.00	3.00
Yellow Corn Feed Meal.....	.....	G. 10.00	5.00	6.00
Plant Food Corporation, Los Angeles, California				
62% Protein Sardine Fish Meal.....	1372	G. 62.00 F. 64.38	5.00 4.33	1.00 0.50
Pratt Feed and Supply Company, Phoenix, Arizona				
Pratt All In One Lay Mash.....	.....	G. 15.00	3.50	8.00
Pratt Chick Starter.....	.....	G. 18.00	4.00	7.00
Pratt Grow Mash.....	.....	G. 15.00	3.50	8.00
Pratt Hen Scratch.....	.....	G. 10.00	2.50	5.00
Pratt Milking Dairy Ration.....	.....	G. 16.00	2.50	12.00
Pratt Pigeon Scratch.....	.....	G. 10.00	2.50	5.00
Pratt Special Lay Mash.....	1311	G. 18.00 F. 20.56	3.50 4.94	8.00 7.04
Prescott Seed & Feed Company, Prescott, Arizona				
Dunbar's Special Laying Mash.....	1553	G. 19.00 F. 23.63	3.00 5.04	8.00 5.18
Dunbar's Special Scratch Feed.....	1550	G. 9.00 F. 11.06	2.00 2.64	4.00 2.51
Dunbar's Baby Chick Scratch Grain.....	1551	G. 9.00 F. 10.88	2.00 3.04	4.00 2.75
Dunbar's Special Scratch Feed Intermediate.....	1552	G. 9.00 F. 10.25	2.00 2.42	4.00 1.63
Dunbar's Wheat & Maize.....	.....	G. 9.00	2.00	4.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
The Proctor & Gamble Distributing Company, Cincinnati, Ohio				
P & G 41% Protein Soybean Oil Meal	1658	G. 41.00 F. 47.13	4.00 5.62	7.00 5.70
Producers Gin Company, Safford, Arizona				
Cream of Safford Valley 43% Cottonseed Cake or Meal (see Table 3).....	.....	.....	.....	.....
Pueblo Flour Mills, Pueblo, Colorado				
Baby Chick Scratch Grains.....	.....	G. 10.00	2.50	5.00
Hen Scratch Grains.....	.....	G. 10.00	2.50	5.00
.....	1556	F. 12.25	2.83	2.60
Wheat Bran.....	.....	G. 14.00	3.00	11.00
.....	1571	F. 19.56	5.06	8.96
Wheat Grey Shorts.....	.....	G. 15.00	3.50	6.50
.....	1782	F. 18.44	4.66	4.59
Wheat Mixed Feed.....	.....	G. 14.00	3.00	11.00
.....	1570	F. 18.88	4.83	7.75
.....	1746	F. 17.94	4.91	8.16
The Quaker Oats Company, Chicago, Illinois				
Aunt Jemima Pure Wheat Bran...	.....	G. 14.50	3.50	11.00
Aunt Jemima Wheat Gray Shorts and Ground Wheat Screenings .....	.....	G. 16.00	4.00	6.00
Big Egg All Mash.....	.....	G. 15.00	3.50	9.50
Big Egg All Mash Starter-Grower .....	.....	G. 16.00	4.50	8.00
.....	1750	F. 19.25	5.46	6.66
Big Egg Chick Starter—Growing Mash.....	.....	G. 17.00	4.00	7.00
Big Egg Laying Mash.....	.....	G. 20.00	4.00	8.00
.....	1347	F. 22.56	4.49	6.71
Big Egg Scratch Grains.....	.....	G. 9.50	2.00	3.50
.....	1557	F. 11.38	3.38	3.59
Buckeye Feed.....	.....	G. 15.50	4.50	10.00
.....	1787	F. 17.19	4.53	7.62
Early Bird Coarse Chick Feed.....	.....	G. 9.50	2.00	3.50
Early Bird Fine Chick Feed.....	.....	G. 10.00	2.00	2.00
.....	1348	F. 10.75	2.57	1.48
Early Bird Scratch Grains.....	.....	G. 9.50	2.00	3.50
.....	1349	F. 11.94	3.46	3.22
Feeding Oat Groats.....	.....	G. 15.00	5.00	2.50
Feeding Steel Cut Oat Groats.....	.....	G. 15.00	5.00	2.50
Ful-O-Pep Broiler Mash.....	.....	G. 19.00	4.50	7.00
Ful-O-Pep Chick Starter.....	.....	G. 17.00	4.50	7.00
Ful-O-Pep Coarse Chick Feed.....	.....	G. 10.00	2.00	2.50
.....	1350	F. 12.56	2.90	1.84
Ful-O-Pep Crate Fattener.....	.....	G. 13.00	4.00	7.50
Ful-O-Pep Egg-Breeder Mash.....	.....	G. 20.00	4.50	8.00
Ful-O-Pep Fine Chick Feed.....	.....	G. 11.00	2.50	2.00
.....	1351	F. 11.38	3.33	1.60
Ful-O-Pep Growing Mash.....	.....	G. 19.00	5.00	7.00
.....	1352	F. 19.94	5.82	4.90
Ful-O-Pep Laying Mash.....	.....	G. 20.00	4.50	8.00
.....	1353	F. 21.63	5.06	6.78

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Ful-O-Pep Scratch Grains.....	.....	G. 9.00	2.00	3.00
	1354	F. 12.13	3.04	2.60
Ful-O-Pep Super Greens Pellets..	.....	G. 19.00	4.50	7.00
Horse Power Feed.....	.....	G. 9.50	2.80	11.00
North Star Oatmeal.....	.....	G. 15.00	5.00	3.75
Quaker Green Cross Horse Feed....	.....	G. 10.00	2.50	14.00
Quaker Oat Mill Feed with 25% Molasses.....	.....	G. 4.00	1.00	23.50
Quaker 16% Protein Dairy Ration..	.....	G. 16.00	3.00	13.50
	1742	F. 21.13	3.41	11.32
Quaker 24% Protein Dairy Ration..	.....	G. 24.00	3.75	12.00
	1355	F. 27.25	4.50	10.51
Quaker Sugared Schumacher Feed	.....	G. 10.00	3.00	12.00
	1356	F. 12.50	3.90	12.74
Schumacher Calf Meal.....	.....	G. 20.00	5.00	5.00
	1357	F. 20.44	5.40	5.14
Screened Cracked Corn.....	.....	G. 8.00	3.50	2.50
Sugared Vim Oat Mill Feed.....	.....	G. 4.50	1.25	27.50
Victor Feeding Rolled Oats.....	.....	G. 16.00	5.00	2.50
White Hominy Feed.....	.....	G. 10.00	5.00	7.00
Quick Seed & Feed Company, Phoenix, Arizona				
Quick Brand All In One Chick Mash	.....	G. 16.50	3.00	5.50
	1197	F. 16.88	3.02	5.00
Quick Brand All In One Fattening Mash.....	.....	G. 15.00	3.00	5.50
	1758	F. 14.19	3.54	5.50
Quick Brand All In One Growing Mash.....	.....	G. 15.00	2.75	5.00
	1204	F. 16.94	2.84	6.93
Quick Brand All In One Laying Mash.....	.....	G. 16.50	2.50	6.00
	1203	F. 16.94	3.90	5.02
Quick Brand Arizona Conference Chick Mash.....	.....	G. 16.50	3.00	3.50
Quick Brand Arizona Conference Growing Mash.....	.....	G. 14.50	2.50	3.50
	1202	F. 18.75	4.02	4.34
Quick Brand Arizona Conference Laying Mash.....	.....	G. 19.50	3.00	5.00
	1759	F. 19.38	4.90	4.74
Quick Brand Calf Meal.....	.....	G. 15.00	2.50	8.00
	1760	F. 16.75	4.10	7.36
Quick Brand Chick Grain.....	.....	G. 11.50	1.50	3.00
	1205	F. 13.50	1.84	2.21
Quick Brand Dairy Feed.....	.....	G. 19.50	3.00	10.00
	1198	F. 20.50	3.64	8.66
Quick Brand Developing Grain.....	.....	G. 12.00	2.50	3.00
Quick Brand Molasses Dairy Feed	.....	G. 13.50	2.00	8.00
	1761	F. 15.69	2.79	7.14
Quick Brand Pigeon Grain.....	.....	G. 13.00	4.25	3.50
	1199	F. 13.50	1.95	2.43
Quick Brand Scratch Grain.....	.....	G. 10.50	2.00	2.00
	1200	F. 12.75	2.10	2.23
Quick Brand Special Dairy Feed....	.....	G. 14.50	2.00	10.00
	1201	F. 15.44	3.19	8.50
Ralston Purina Company, St. Louis, Missouri				
Chowmix Broiler Growing Feed....	.....	G. 18.00	3.50	8.00
Chowmix Chick Growing Mash.....	.....	G. 17.00	3.00	8.50
	1312	F. 18.75	3.79	5.23

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Chowmix Chick Growing Mash B.....	.....	G. 17.00	3.00	8.50
Chowmix Chick Growing Mash C.....	.....	G. 17.00	3.00	8.50
	1453	F. 19.06	4.20	6.18
Chowmix Chick Starting Feed.....	.....	G. 18.00	3.50	7.00
Chowmix 16% Dairy Feed.....	.....	G. 16.00	3.00	8.00
Chowmix 16% Dairy Feed B.....	.....	G. 16.00	3.00	8.00
	1314	F. 17.81	3.32	5.02
Chowmix 16% Dairy Feed C.....	.....	G. 16.00	3.50	8.00
Chowmix Growing Feed (all mash).....	.....	G. 15.00	3.00	7.00
Chowmix Hog Feed.....	.....	G. 14.00	2.50	9.00
Chowmix Hog Feed B.....	.....	G. 14.00	2.50	9.00
Chowmix Hog Feed C.....	.....	G. 14.00	3.00	7.50
Chowmix Laying Feed (all mash).....	.....	G. 15.00	3.50	7.50
Chowmix Laying Mash.....	.....	G. 20.00	3.50	8.50
	1313	F. 21.44	3.83	6.71
Chowmix Laying Mash B.....	.....	G. 20.00	3.50	8.50
Chowmix Laying Mash C.....	.....	G. 20.00	3.50	8.50
Chowmix Scratch Feed.....	.....	G. 9.00	2.50	4.00
Chowmix Scratch Feed B.....	.....	G. 9.00	2.50	4.00
Chowmix Turkey Growing Mash.....	.....	G. 20.00	3.00	8.00
Protena Sweet Feed "B".....	.....	G. 8.00	2.00	12.00
Purina Blue Checker Cattle Checkers (western states).....	.....	G. 12.00	2.00	8.50
Purina Blue Checker Lamb Fatena (western states).....	.....	G. 14.00	2.00	8.50
Purina Blue Checker Sheep Checkers (western states).....	.....	G. 12.00	2.00	8.50
Purina Blue Checker Steer Fatena (western states).....	.....	G. 12.00	2.00	8.50
Purina Breeder Lay Chow.....	.....	G. 21.00	4.00	8.00
	1318	F. 23.63	5.17	6.56
Purina Broiler Chow.....	.....	G. 18.00	3.50	7.00
	1320	F. 21.25	4.70	5.12
Purina Bulky Las Chow (western states).....	.....	G. 9.00	2.00	15.00
Purina Bulky Omolene (western states).....	.....	G. 10.00	3.20	11.00
	1451	F. 12.25	4.02	7.38
Purina Calf Chow.....	.....	G. 27.00	3.00	5.00
Purina Calf Startena.....	.....	G. 19.50	3.00	9.50
	1423	F. 20.88	3.23	9.98
Purina Cattle Checkers.....	.....	G. 23.00	3.00	8.50
Purina Cattle and Sheep Feed.....	.....	G. 10.00	1.20	23.00
Purina Checkerboard Rolled Oats. (steam cooked).....	.....	G. 15.00	5.00	2.00
Purina Chick Chow (coarse)—Den- ver Mill.....	.....	G. 9.00	2.00	4.00
	1424	F. 12.31	2.31	1.56
Purina Chick Chow (fine).....	.....	G. 10.00	2.00	4.00
	1425	F. 13.50	2.12	1.36
Purina Chick Growena.....	.....	G. 15.00	3.50	7.00
	1417	F. 17.50	4.12	5.28
Purina Chick Growing Chow.....	.....	G. 21.00	3.50	7.00
	1428	F. 23.81	4.68	5.82
Purina Chick Startena.....	.....	G. 18.00	4.00	7.00
	1418	F. 22.38	4.90	4.58
Purina Chicken Fatena.....	.....	G. 14.00	3.50	7.50
Purina Chicken Fatena Checkers (for young chickens).....	.....	G. 17.00	3.50	7.00
	1426	F. 21.94	4.32	5.75

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Purina Chowder 32% (western states)	1455	G. 32.00 F. 37.50	4.00 6.63	8.00 4.59
Purina Chowder 36% (western states)	1319	G. 36.00 F. 43.75	4.00 5.96	8.00 3.70
Purina 24% Cow Chow (western states)	1454	G. 24.00 F. 27.00	4.00 4.70	11.00 6.18
Purina 24% Cow Chow Supplement (western states)	.....	G. 24.00	3.00	11.00
Purina 34% Cow Chow Supplement (western states)	1419	G. 34.00 F. 35.50	4.00 5.34	9.00 6.27
Purina Dry and Freshening Chow	1427	G. 12.50 F. 14.75	2.50 2.88	14.00 12.36
Purina Family Flock Chow	1420	G. 18.00 F. 20.75	3.50 3.60	8.00 6.84
Purina Game Bird Growing Chow	.....	G. 21.00	4.00	8.00
Purina Game Bird Startena	.....	G. 24.00	4.00	7.00
Purina Goat Chow	1726	G. 16.00 F. 17.94	3.50 4.06	10.00 6.78
Purina Hen Chow (Denver Mill)	.....	G. 9.00	2.00	4.00
Purina Hog Chow Supplement (Denver Mill)	1316	G. 36.00 F. 38.25	3.50 5.97	7.00 4.98
Purina Lamb Fatena Checkers	.....	G. 23.00	2.50	7.00
Purina Lay Chow	1421	G. 21.00 F. 23.63	4.00 4.47	8.00 6.71
Purina Layena (complete ration)	1429	G. 15.50 F. 18.75	3.50 4.11	8.00 5.68
Purina Milk Chow 18% (western states)	1422	G. 18.00 F. 20.81	3.00 3.64	12.00 5.40
Purina Omolene (western states)	1452	G. 10.00 F. 11.56	3.00 4.00	11.00 8.30
Purina Omolene Supplement	.....	G. 18.00	3.00	12.00
Purina Pigeon Checkers	.....	G. 14.00	3.00	6.00
Purina Pigeon Chow	.....	G. 13.50	2.00	4.00
Purina Rabbit Chow	.....	G. 16.00	3.50	8.00
Purina Rabbit Chow (entire ration) (Denver Mill)	.....	G. 13.50	2.50	16.00
Purina Rabbit Chow Checkers (entire ration)	1317	G. 14.50 F. 16.75	2.50 3.98	18.00 15.54
Purina Sheep Checkers	1430	F. 18.38	4.05	14.44
Purina Sow and Pig Chow Supplement	.....	G. 23.00	3.00	8.50
Purina Steer Fatena	.....	G. 26.00	3.50	7.00
Purina Turkey Breeder Chow	.....	G. 23.00	3.00	8.50
Purina Turkey-Chicken Fatena Checkers	.....	G. 23.00	4.00	8.00
Purina Turkey Chowder (supplement)	.....	G. 14.00	3.50	7.00
Purina Turkey Growena	1431	G. 35.00 F. 20.13	4.00 4.26	8.00 5.06
Purina Turkey Growing Chow	1315	G. 18.00 F. 21.00	3.50 3.50	7.00 8.00
Purina Turkey Layena (complete ration)	.....	F. 23.00	4.33	6.05
Purina Turkey Startena	.....	G. 16.50	3.50	8.00
Purina Turkey Startena	.....	G. 24.00	4.50	7.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
St. David Farm Bureau, St. David, Arizona				
St. David Dairy Ration.....	.....	G. 14.50	3.00	7.00
	1396	F. 16.50	4.28	5.84
St. David Lay Mash.....	.....	G. 20.00	3.00	6.00
	1395	F. 21.25	4.04	4.80
J. A. Sainz, Nogales, Arizona				
Dairy Feed.....	.....	G. 21.00	3.25	11.00
	1729	F. 19.13	4.30	7.98
Scratch Feed.....	.....	G. 10.50	3.00	2.80
	1445	F. 11.25	3.10	2.29
Shorts.....	.....	G. 12.50	3.00	5.00
	1432	F. 15.13	3.84	5.00
Sonora Wheat Bran.....	.....	G. 15.50	2.50	8.00
	1247	F. 15.56	4.32	9.42
R. Salem, Douglas, Arizona				
Salem's Mexican Wheat Bran.....	.....	G. 14.00	3.00	8.90
	1408	F. 14.38	3.10	6.14
James H. Seley & Company, Los Angeles, California				
55% Protein Fish Meal.....	.....	G. 55.00	5.00	1.00
60% Protein Fish Meal.....	.....	G. 60.00	5.00	1.00
62% Protein Fish Meal.....	.....	G. 62.00	5.00	1.00
	1506	F. 62.38	5.82	0.99
65% Protein Fish Meal.....	.....	G. 65.00	5.00	1.00
	1656	F. 67.69	3.21	0.12
Steamed Bone Meal (see Table 4)..	.....	.....	.....	.....
Shellmaker, Inc., Los Angeles, California				
Hens Teeth Crushed Shell (see Table 4).....	.....	.....	.....	.....
Silver Creek Mill, Shumway, Arizona				
Silver Creek Lay Mash.....	.....	G. 18.00	3.50	8.00
	1603	F. 20.50	5.16	5.71
Very Best Growing Mash.....	.....	G. 16.00	3.00	7.00
	1606	F. 17.50	3.60	4.54
Very Best Shorts.....	.....	G. 15.00	3.50	6.00
	1604	F. 15.63	3.21	3.66
	1747	F. 15.00	2.59	2.74
Very Best Starting Mash.....	.....	G. 18.00	3.50	7.00
	1602	F. 18.75	4.14	5.69
Very Best Wheat Bran.....	.....	G. 14.00	3.00	10.00
	1605	F. 16.88	3.25	6.93
Mike E. Simon Company, Douglas, Arizona				
Simon's Scratch Feed.....	.....	G. 10.00	2.00	4.00
	1721	F. 11.88	2.84	2.22
Simon's Sonora Wheat Bran.....	.....	G. 14.00	3.00	10.00
	1413	F. 17.81	2.13	4.92

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Smith-Heywood Company, Snowflake, Arizona				
Snowflake Chick Starter.....	.....	G. 14.94	3.32	7.08
Snowflake Grow Mash.....	.....	G. 12.66	3.21	7.60
Snowflake Lay Mash.....	.....	G. 18.70	4.80	7.20
Snow Brokerage Company, Los Angeles, California				
SnowLine Dairy Minerals (see Table 4).....	.....	.....	.....	.....
SnowLine Hog Minerals (see Table 4).....	.....	.....	.....	.....
SnowLine Poultry Minerals (see Table 4).....	.....	.....	.....	.....
Southwest Flour & Feed Company, Glendale, Arizona				
Arco Cottonseed (see Table 3).....	.....	.....	.....	.....
ADM Wheat Germ Oil Pre-Mix.....	.....	G. 28.00	9.00	10.00
Fancy No. 1 Grade Ground Alfalfa Hay.....	1661	G. 12.00	1.00	24.00
Full Value Chick Grain.....	1544	F. 17.13	1.80	27.91
Full Value Dairy Feed 15.....	1544	G. 10.00	2.00	3.00
Full Value Dairy Feed 15.....	1544	F. 12.50	2.16	2.10
Full Value Dairy Feed 15.....	1757	G. 15.50	3.50	8.50
Full Value Dairy Feed 18.....	.....	F. 16.50	3.14	8.72
Full Value Dairy Feed 24.....	.....	G. 18.50	4.00	9.50
Full Value Developer Grain.....	.....	G. 24.00	5.00	10.00
Full Value Developer Grain.....	1545	G. 10.00	2.25	3.00
Full Value Developer Mash.....	1545	F. 13.00	1.73	2.11
Full Value Developer Mash.....	1543	G. 18.00	4.00	6.00
Full Value Developer Mash.....	1543	F. 17.81	4.08	7.03
Full Value Egg Mash.....	1546	G. 19.00	4.20	5.90
Full Value Egg Mash.....	1546	F. 20.13	4.23	6.16
Full Value Egg Mash.....	1805	F. 20.50	4.04	5.72
Full Value Hen Scratch.....	1662	G. 9.50	2.00	4.00
Full Value Hen Scratch.....	1662	F. 11.75	2.46	2.38
Full Value Hen Scratch.....	1806	F. 12.00	2.08	2.37
Full Value Starter-Grower Chick Mash.....	1542	G. 18.00	4.50	5.50
Full Value Starter-Grower Chick Mash.....	1542	F. 19.00	4.19	5.88
High Stepper Horse Feed.....	.....	G. 11.00	3.00	8.00
High Stepper Horse Feed.....	1516	F. 12.31	3.68	6.90
Milk Producers Ration No. 6.....	.....	G. 12.50	1.50	28.50
Milk Producers Ration No. 6.....	1663	F. 16.25	1.58	23.42
Molasses Barley-Bran.....	.....	G. 14.00	2.00	10.00
Molasses Barley-Bran.....	1664	F. 15.75	5.26	6.84
Molasses Bran.....	.....	G. 15.00	3.50	8.00
Molasses Bran.....	1665	F. 17.50	2.52	8.34
Red Star "All-In-One" Developer Mash.....	.....	G. 18.00	4.00	5.40
Red Star "All-In-One" Egg Mash..	.....	G. 17.00	4.00	5.80
Red Star Calf Meal.....	.....	G. 20.00	4.00	4.50
Red Star Calf Meal.....	1666	F. 21.25	4.80	4.34
Red Star Chick Grain.....	.....	G. 10.00	2.50	3.00
Red Star Chick Grain.....	1540	F. 12.13	2.62	1.78
Red Star Chick Grain.....	1807	F. 11.81	2.57	1.60
Red Star Dairy Ration.....	.....	G. 16.00	3.50	8.00
Red Star Dairy Ration.....	1534	F. 16.13	3.10	7.38
Red Star Dairy Ration.....	1808	F. 16.63	3.30	8.29

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Red Star Dairy Ration containing Dr. Hess Stock Tonic.....	.....	G. 16.00	3.50	8.00
Red Star Dairy Ration H. P.....	.....	G. 24.00	3.50	8.00
Red Star Developer Grain.....	.....	G. 10.00	2.50	3.00
	1541	F. 12.25	2.18	2.08
	1809	F. 12.19	2.76	1.82
Red Star Developing Mash.....	.....	G. 18.50	3.50	6.00
	1525	F. 19.06	3.28	5.76
	1810	F. 19.13	3.44	5.15
Red Star Fattener Broiler & Fryer Mash.....	.....	G. 19.00	4.00	6.00
	1532	F. 19.50	3.36	5.25
	1811	F. 19.69	3.76	4.74
Red Star Full Pail.....	.....	G. 18.00	3.00	8.00
	1547	F. 17.69	3.52	8.68
Red Star Hen Scratch.....	.....	G. 10.50	2.25	3.00
	1533	F. 11.44	2.22	2.10
	1812	F. 11.56	2.31	2.30
Red Star Hog Supplement.....	.....	G. 40.00	5.00	9.50
Red Star Laying Mash.....	.....	G. 19.50	4.50	5.80
	1524	F. 21.19	4.00	5.92
	1813	F. 20.44	3.55	5.35
Red Star Milk Flow.....	.....	G. 16.00	3.50	8.00
	1535	F. 16.00	3.52	7.18
Red Star Milk Goat Feed.....	.....	G. 13.50	3.00	7.00
	1538	F. 15.75	3.03	6.04
Red Star Pan-A-Min Chick Mash..	.....	G. 18.00	4.50	5.70
	1528	F. 19.88	3.68	5.35
Red Star Pan-A-Min Developing Mash.....	.....	G. 18.00	4.30	4.80
	1529	F. 18.88	3.40	5.84
Red Star Pan-A-Min Laying Mash..	.....	G. 19.50	4.50	5.80
	1527	F. 19.94	3.93	5.92
Red Star Pigeon Scratch.....	.....	G. 12.00	2.50	4.00
	1539	F. 13.00	3.18	2.58
	1814	F. 13.50	2.31	2.10
Red Star Poult Starter Mash.....	.....	G. 25.00	3.50	6.00
	1536	F. 25.00	3.50	5.23
Red Star Poultry Breeders Mash...	.....	G. 20.00	4.50	5.80
Red Star Rabbit Feed (a complete ration) Mash or Pellet.....	.....	G. 16.00	3.00	17.00
	1668	F. 17.38	3.20	15.30
Red Star Rabbit Feed (all grain ration).....	.....	G. 16.00	4.00	8.50
Red Star Rabbit Ration.....	.....	G. 10.30	1.40	16.50
Red Star Starter Grower Chick Mash.....	.....	G. 18.50	4.00	6.00
	1526	F. 19.88	3.92	5.52
	1815	F. 19.94	4.01	4.90
Red Star Sweet Susan Dairy Ration	.....	G. 14.50	2.50	15.00
	1667	F. 15.25	2.62	14.03
Red Star Trace Buster.....	.....	G. 12.00	4.00	10.50
Red Star Turkey Breeders Mash.....	.....	G. 22.00	4.80	6.00
	1530	F. 21.13	4.18	5.38
Red Star Turkey Finishing Mash...	.....	G. 22.00	4.00	6.00
	1537	F. 22.00	4.22	5.32
	1816	F. 22.25	4.09	5.95
Red Star Turkey Grower Mash.....	.....	G. 24.00	4.60	6.00
	1531	F. 23.88	3.60	5.38
Special "999" Dairy Feed.....	.....	G. 13.00	2.50	28.50
	1670	F. 14.50	2.56	25.87

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Special Molasses Dairy Feed.....	.....	G. 15.00	2.50	12.00
	1671	F. 15.00	2.70	10.50
Special Sweet Dairy Feed.....	.....	G. 13.50	2.20	16.50
	1669	F. 13.94	2.48	17.59
Stem Winder Dairy Feed.....	.....	G. 14.00	2.50	28.00
Utility Chick Grain.....	.....	G. 10.00	2.50	3.00
Utility Chick Starter Grower Mash	.....	G. 18.00	4.00	7.00
Corrected.....	.....	F. 20.13	4.38	4.32
	1754	G. 18.00	3.50	5.50
	1754	F. 19.75	4.10	4.08
Utility Dairy Feed.....	.....	G. 16.00	5.00	7.50
	1756	F. 15.25	2.78	9.00
Utility Developer Grain.....	.....	G. 10.00	2.50	3.00
Utility Developing Mash.....	.....	G. 19.00	3.00	6.50
Corrected.....	.....	F. 20.69	3.46	3.00
	1753	G. 19.50	3.50	6.00
	1753	F. 21.69	3.95	4.83
Utility Laying Mash.....	.....	G. 20.00	3.00	7.00
Corrected.....	.....	F. 23.75	3.45	4.68
	1673	G. 19.50	4.00	6.00
	1755	F. 23.75	3.91	4.48
Utility Scratch Feed.....	.....	G. 10.00	2.50	3.00
	1675	F. 12.13	2.11	1.91
Utility Turkey Developer Mash.....	.....	G. 19.00	3.00	5.00
Utility Turkey Starter Mash.....	.....	G. 20.50	4.50	5.00
Wheat Bran.....	.....	G. 14.00	3.00	10.00
	1548	F. 18.38	4.30	8.99
Wheat Shorts.....	.....	G. 16.00	4.00	6.00
	1517	F. 19.75	4.48	5.24
Southern California Meat Co., Los Angeles, California				
Socal Digester Tankage.....	.....	G. 50.00	12.00	2.50
	1519	F. 51.56	14.24	2.50
A. E. Staley Manufacturing Co., Decatur, Illinois				
Staley's Corn Gluten Feed.....	.....	G. 25.00	1.50	8.00
Staley's Corn Oil Meal.....	.....	G. 18.00	5.00	11.00
Staley's 37% Protein Soybean Oil Meal Pellets with Minerals & Molasses.....	.....	G. 37.00	3.50	7.00
Staley's Soybean Oil Meal.....	.....	G. 41.00	4.00	7.00
	1657	F. 47.88	3.76	5.54
Staley's Sweetened Corn Gluten Feed.....	.....	G. 20.00	1.00	7.00
Standard Milling Company, Chicago, Illinois				
Red Turkey Wheat Gray Shorts and Ground Wheat Screenings	.....	G. 16.00	3.75	6.00
Sugar Land Feed Company, Sugar Land, Texas				
Spent Bone Black (see Table 4).....	.....	.....	.....	.....
Swift & Company, Chicago, Illinois				
Swift's Meat & Bone Scraps.....	.....	G. 50.00	6.00	3.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Swift's 5% Protein Special Steamed Bone Meal (see Table 4).....	.....	.....	.....	.....
Taylor Milling Corporation, Los Angeles, California				
Centennial Millrun Bran.....	.....	G. 13.00	3.00	10.00
	1376	F. 16.50	4.52	7.98
Certified Mash.....	.....	G. 20.00	3.50	9.00
	1374	F. 24.13	3.92	7.71
Domestic Sardine Meal.....	.....	G. 65.00	6.00	1.00
Dried Blood Meal.....	.....	G. 80.00	0.50	0.50
Imported 28% Old Process Hempseed Cake Meal.....	.....	G. 28.00	6.00	29.00
Imported Sardine Meal.....	.....	G. 58.00	6.00	1.00
Purity Fattening Mash.....	.....	G. 14.00	3.00	6.00
Purity Mash.....	.....	G. 16.00	3.00	10.00
Purity Scratch Feed.....	.....	G. 10.00	2.00	4.00
Raw Bone Meal (see Table 4).....	.....	.....	.....	.....
Seaweed (Kelp) Meal.....	.....	G. 9.00	0.20	6.00
Steam Bone Meal (see Table 4).....	.....	.....	.....	.....
Taylor Made Calf Food.....	.....	G. 15.00	3.00	8.00
Taylor Made Chick Mash.....	.....	G. 14.00	3.00	10.00
(mash or pellets).....	1378	F. 17.00	3.84	6.66
Taylor Made Chick Scratch Feed.....	.....	G. 10.00	2.00	4.00
Taylor Made Dairy Feed.....	.....	G. 17.00	4.00	12.00
Taylor Made Goat Feed.....	.....	G. 12.00	2.00	9.00
Taylor Made Growing Chick Scratch.....	.....	G. 10.00	2.00	4.00
Taylor Made Growing Mash (mash or pellets).....	1378	F. 17.00	3.84	6.66
Taylor Made Pigeon Feed.....	.....	G. 12.00	3.00	5.00
Taylor's All In One Battery Fattening Food.....	.....	G. 15.00	4.00	7.00
Taylor's All In One Breeder's Laying Food (mash or pellets).....	.....	G. 20.00	3.00	7.00
Taylor's All In One Broiler & Fryer Food (mash or pellets).....	.....	G. 20.00	4.00	9.00
Taylor's All In One Chick Food (mash or pellets).....	1308	G. 15.00	4.00	8.00
		F. 18.44	4.97	6.52
Taylor's All In One Chick 40% Milk Food.....	.....	G. 22.00	3.00	5.00
Taylor's All In One Fattening Food (mash or pellets).....	.....	G. 15.00	4.00	8.00
Taylor's All In One Growing Food (mash or pellets).....	1306	G. 15.00	4.00	8.00
		F. 17.69	4.53	6.85
Taylor's All In One Laying Food (mash or pellets).....	1309	G. 15.00	4.00	8.00
		F. 17.69	4.17	7.33
Taylor's All In One Pullet Food (mash or pellets).....	1307	G. 15.00	4.00	8.00
		F. 17.50	4.36	4.45
Taylor's All In One Turkey Breeders Food (mash or pellets).....	.....	G. 20.00	4.00	10.00
Taylor's All In One Turkey Fattening Food.....	.....	G. 15.00	4.00	8.00
Taylor's All In One Turkey Grow & Developing Food (mash or pellets).....	.....	G. 20.00	4.00	10.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Taylor's All In One Turkey Starting Food (mash or pellets).....	G. 20.00	4.00	10.00
Taylor's Imperial Laying Mash (mash or pellets).....	1691	G. 20.00	4.00	8.00
Taylor's Mineralized Sweet Wheat Bran.....	1375	F. 23.50	5.34	6.10
Taylor's Purity Dog Pellets.....	G. 13.00	2.50	12.00
Taylor's Sweet Wheat Bran.....	F. 15.31	3.50	6.54
Taylor's Thrifty Duck Pellets.....	G. 28.00	5.00	8.00
Taylor's Thrifty Mash.....	G. 10.00	3.00	9.00
Corrected.....	G. 14.00	2.00	12.00
Taylor's Thrifty Rabbit Pellets.....	G. 14.00	3.00	11.00
Taylor's West Coast Dairy Feed.....	G. 18.00	3.00	10.00
Thrifty Scratch Feed.....	G. 12.00	2.00	22.00
	G. 15.00	3.00	15.00
	G. 10.00	2.00	4.00
Tidwell Fuel & Feed Company, El Paso, Texas				
Corn Chop (fine).....	G. 9.00	3.50	3.00
Crimped Whole Oats and Molasses Digester Tankage.....	G. 8.40	2.80	8.50
Dried Buttermilk.....	G. 60.00	5.00	3.00
Dried Skimmed Milk.....	G. 30.00	5.00	1.00
Finely Ground Whole Milo Maize..	G. 34.00	0.20	0.00
Finely Ground Whole Oats.....	G. 11.29	2.69	2.10
Ground Whole Barley & Screenings	G. 11.00	4.00	12.00
Hominy Feed.....	G. 10.00	1.50	9.00
Meat & Bone Scraps.....	G. 10.00	6.00	7.00
	1794	G. 50.00	6.00	3.00
45% Meat & Bone Scraps.....	F. 50.25	8.44	2.88
Milo Head Chop & Cane Molasses..	G. 45.00	6.00	3.00
More Milk Brand Dairy Feed with Molasses.....	G. 6.50	1.80	5.00
43% Protein Cottonseed Cake, Prime Quality (see Table 3)....	G. 17.00	5.00	8.50
41.12% Protein Cottonseed Flakes (see Table 3).....
43% Protein Cottonseed Flake Cake (see Table 3).....
43% Protein Cottonseed Meal, Prime Quality (see Table 3)....
43% Protein Cottonseed Pellets (see Table 3).....
25% Protein Ground Whole-Pressed Cottonseed (see Table 3).....
25% Protein Whole Pressed Cottonseed (see Table 3).....
25% Protein Whole Pressed Cottonseed Cubes (see Table 3)
34% Protein Linseed Meal.....	G. 34.00	6.00	9.00
45% Protein Meat and Bone Meal Tankage.....	G. 45.00	6.00	3.00
50% Protein Meat & Bone Meal Tankage.....	G. 50.00	4.00	3.00
Pulverized Limestone (see Table 4)
Pulverized Oat Groats.....	G. 16.00	6.00	1.50

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Sifted Cracked Corn (composed of cracked corn with portion of meal and finer particles sifted out).....	.....	G. 9.00	3.50	3.00
Spent Bone Black (see Table 4).....	.....		
Steamed Rolled Whole Barley.....	.....	G. 11.00	1.50	6.00
Success Brand Calf Meal.....	.....	G. 20.80	4.00	6.00
Success Brand Growing Mash with Charcoal.....	.....	G. 16.00	3.50	6.50
Success Horse & Mule Feed.....	.....	G. 10.00	3.50	9.30
Tidwell's Big T. Dairy Feed.....	.....	G. 16.00	3.50	10.00
Tidwell's Cattle Cubes.....	.....	G. 17.40	4.20	7.00
Tidwell's E. P. Brand Hen Scratch	.....	G. 10.00	2.50	4.00
Tidwell's Egg Producer Laying Mash with Charcoal.....	.....	G. 20.20	3.90	8.00
Tidwell's Success Brand Hen Scratch.....	.....	G. 10.40	2.60	4.00
Tidwell Success Brand Horse and Mule Feed, Heavy with Corn....	.....	G. 10.00	2.60	7.30
Tidwell's Success Brand Laying Mash with Limestone and Charcoal.....	.....	G. 20.50	3.70	8.00
Tidwell's Success Brand Pigeon Feed.....	.....	G. 13.00	2.20	4.00
Tidwell's Success Chick Scratch....	.....	G. 10.50	3.00	4.00
Tidwell's Success Chick Starter.....	.....	G. 16.50	4.00	4.50
Tidwell's Success Growing Scratch	.....	G. 10.50	2.70	3.40
Tidwell's Success Poultry Fattener	.....	G. 13.50	5.00	6.00
Tidwell's Sweetena.....	.....	G. 9.00	1.60	36.00
Wheat Bran.....	.....	G. 14.50	3.00	10.00
Wheat Bran and Wheat Screenings	1324	F. 17.00	3.77	9.51
Wheat Gray Shorts.....	.....	G. 14.50	3.00	10.00
Wheat Mixed Feed (mill-run wheat bran).....	.....	G. 16.70	3.70	6.00
Wheat Mixed Feed (mill-run wheat bran).....	.....	G. 16.00	3.50	8.50
Tovrea Packing Company, Phoenix, Arizona				
Big T Brand Meat and Bone Scrap	.....	G. 48.00	7.00	2.50
	1485	F. 51.19	8.44	2.68
The Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Ariz.				
Arizona Brand Alfalfa Leaf Meal....	.....	G. 20.00	2.50	18.00
	1695	F. 18.50	2.62	19.78
Arizona Brand Alfalfa Stem Meal	.....	G. 9.00	0.80	40.00
Tremaine Brand Alfalfa Meal.....	.....	G. 16.00	2.00	25.00
Tri-City Feed Co., Miami, Arizona				
Tri-City Baby Chick Scratch.....	.....	G. 10.00	2.00	4.00
	1600	F. 10.94	2.40	4.75
Tri-City Scratch.....	.....	G. 10.00	2.00	4.00
	1601	F. 11.50	2.40	2.48
United Producers and Consumers Co-Operative, Phoenix, Ariz.				
Co-Op Baby Chick Mash.....	.....	G. 18.00	3.00	7.00
Co-Op Breeder & Laying Mash.....	.....	G. 19.00	3.50	7.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Co-Op Dairy Feed.....	.....	G. 18.00	3.50	8.50
Co-Op Growing & Developing Mash.....	.....	G. 18.00	3.50	7.00
Co-Op Laying Mash.....	.....	G. 19.00	3.50	7.00
Co-Op Turkey Finishing Mash.....	.....	G. 18.50	3.50	7.00
Co-Op Turkey Growing & Developing Mash.....	.....	G. 18.00	3.00	7.00
U.S. Industrial Chemicals, Inc., New York, New York				
Vacatone.....	.....	G. 10.00	tr.	1.00
Corrected.....	.....	G. 9.00	tr.	1.00
Utah-Idaho Sugar Co., Salt Lake City, Utah				
Molasses Dried Beet Pulp.....	.....	G. 8.00	0.25	17.00
	1554	F. 7.56	0.38	13.94
Valley Lumber, Fuel & Feed Co., Phoenix, Arizona				
A A A Dairy Feed.....	.....	G. 12.00	2.00	12.00
	1176	F. 13.88	2.41	14.83
Full Ration Baby Chick Mash.....	.....	G. 18.00	4.00	5.00
Full Ration Growing Mash.....	.....	G. 17.00	3.50	7.00
	1185	F. 17.81	3.71	5.62
Full Ration Laying Mash.....	.....	G. 17.50	3.50	5.50
	1186	F. 17.50	3.51	4.97
High Protein Baby Chick Mash.....	.....	G. 20.00	4.00	7.00
	1184	F. 19.31	4.36	4.88
High Protein Growing Mash.....	.....	G. 18.00	4.00	7.00
	1183	F. 19.13	4.01	5.16
High Protein Laying Mash.....	.....	G. 20.00	4.00	7.00
	1182	F. 20.50	4.10	5.57
Pigeon Grain.....	.....	G. 10.00	2.50	3.00
	1762	F. 13.25	2.54	2.77
Turkey Breeder Mash.....	.....	G. 21.00	4.00	7.00
Turkey Growing Mash.....	.....	G. 22.00	4.00	7.00
	1763	F. 22.38	4.40	5.49
Valley "All Purpose Ration".....	.....	G. 18.00	3.00	6.00
	1764	F. 18.50	3.94	5.56
Valley Brand Baby Chick Grain....	.....	G. 10.00	2.50	3.00
	1180	F. 11.94	2.53	2.35
Valley Brand Developer Grain.....	.....	G. 10.00	2.50	3.00
	1765	F. 11.56	2.70	1.68
Valley Brand Pigeon Feed.....	.....	G. 10.00	2.50	3.00
Valley Brand Scratch Feed.....	.....	G. 10.00	2.50	3.00
	1181	F. 11.25	2.50	1.99
Valley Brand Special Dairy Feed..	.....	G. 17.00	3.00	12.00
	1177	F. 16.31	2.92	14.08
Valley Brand Special Scratch Feed	.....	G. 10.00	2.50	3.00
	1179	F. 10.81	2.90	1.92
Valley Brand Turkey Starting Mash	.....	G. 23.00	4.00	7.00
Valley Broiler Mash.....	.....	G. 18.00	4.00	7.00
	1187	F. 20.56	4.58	4.45
Valley Dairy Feed.....	.....	G. 20.00	4.00	11.00
	1178	F. 21.69	4.79	5.03
Valley Fattening Mash.....	.....	G. 18.00	4.00	7.00
	1766	F. 19.13	4.32	3.68

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Valley Seed and Floral Company, Yuma, Arizona				
Valseflo Hen Scratch.....	.....	G. 9.00	2.00	4.00
	1802	F. 10.31	3.20	3.33
Valseflo Mexican Bran.....	.....	G. 12.00	4.00	6.00
	1382	F. 13.38	3.61	5.60
Vogel Hatchery, Tempe, Arizona				
Vogel Chick Mash.....	.....	G. 18.00	4.00	6.00
	1511	F. 19.63	4.22	5.58
Vogel Growing Mash.....	.....	G. 17.00	3.50	6.00
Vogel Hen Scratch.....	.....	G. 10.00	2.50	3.00
	1512	F. 11.75	2.70	2.12
Vogel Laying Mash.....	.....	G. 21.00	4.00	7.00
	1510	F. 23.19	4.38	6.36
Vogel Laying Mash No. 2.....	.....	G. 18.50	4.00	7.00
V-O Milling Company, Los Angeles, California				
Blood Meal.....	.....	G. 80.00	0.50	1.00
Copra Meal.....	.....	G. 19.00	6.00	11.00
Flaky Wheat Bran—Red.....	.....	G. 14.00	3.00	12.00
Hovden's Vacuum Dried Fish Meal.....	.....	G. 66.00	5.00	1.00
Molasses Dried Beet Pulp.....	.....	G. 7.00	0.30	20.00
Old Process Linseed Meal.....	.....	G. 30.00	6.00	10.00
Orange Brand Chick Food.....	.....	G. 18.00	4.50	7.00
	1384	F. 20.13	4.06	5.98
Corrected.....	.....	G. 18.00	3.50	7.00
Orange Brand Growing Food.....	.....	G. 16.00	4.50	7.00
	1385	F. 17.19	3.78	6.85
Orange Brand Laying Food.....	.....	G. 19.00	4.00	9.00
	1383	F. 20.44	3.66	7.03
Corrected.....	.....	G. 19.00	3.50	8.00
	1699	F. 21.13	3.91	6.86
Orange Meal.....	.....	G. 7.00	1.50	12.00
Our Special Poultry Food.....	.....	G. 18.00	3.50	12.00
	1803	F. 16.75	3.78	7.69
Our Special Rabbit Pellets.....	.....	G. 13.00	2.00	18.00
45% Peanut Oil Cake Meal.....	.....	G. 45.00	6.00	13.00
40% Peanut Oil Meal.....	.....	G. 40.00	6.50	6.00
Peanut Pellets.....	.....	G. 40.00	7.00	11.00
Pigeon Grit (see Table 4).....	.....	.....	.....	.....
40% Protein Sesame Meal.....	.....	G. 40.00	5.50	7.00
	1488	F. 41.88	6.94	6.51
30% Protein Linseed Meal.....	.....	G. 30.00	4.50	10.00
James H. Seley Tuna Fish Meal....	.....	G. 60.00	5.00	1.00
Soybean Oil Meal.....	.....	G. 41.00	4.00	7.00
Standard Live Yeast Supplement...	.....	G. 9.00	2.10	3.50
Sweet Wheat Bran (with molasses)	.....	G. 13.00	2.50	9.00
	1390	F. 15.94	2.94	7.74
	1700	F. 15.88	3.01	7.33
Universal Pure Dried Skim Milk....	.....	G. 32.00	0.40	0.50
Val-U Brand Laying Food.....	.....	G. 18.00	4.00	10.00
	1389	F. 19.56	3.88	7.30
Val-U Chick and Growing Scratch	.....	G. 10.00	2.00	3.00
Val-U Dairy Ration.....	.....	G. 17.00	3.50	10.50

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Val-U Dairy Ration with 10% Beet Pulp.....	1391	G. 17.00 F. 17.94	3.50 3.89	10.50 10.10
Val-U Poultry Scratch.....		G. 9.00	1.50	3.00
Val-U Rabbit Pellets.....	1701	G. 13.00 F. 15.38	2.50 3.21	16.00 16.22
Valera Brand 65% Protein Fish Meal.....		G. 65.00	4.00	1.00
V-O All Purpose Poultry Food.....	1702	G. 17.00 F. 17.38	4.00 4.12	6.50 6.82
V-O Breeder Mash.....		G. 20.00	4.50	7.00
V-O Broiler & Fryer Builder.....	1703	G. 17.00 F. 18.69	4.00 4.02	7.00 6.88
V-O Calf Meal.....		G. 22.00	3.50	5.00
V-O Chick & Growing Scratch.....	1387	G. 10.00 F. 12.69	2.00 2.83	3.00 1.36
Corrected.....	1704	G. 10.00 F. 12.94	2.50 2.67	3.00 1.34
V-O Chick Food.....	1705	G. 18.00 F. 23.44	5.00 4.42	5.00 4.90
V-O Cocci Control Milk Mash.....		G. 16.00	3.00	7.50
V-O Dairy Ration—Plain.....		G. 17.00	3.75	10.00
V-O Dairy Ration—with Beet Pulp.....		G. 17.00	3.75	10.00
V-O Duck Pellets.....		G. 15.00	3.00	12.00
V-O Full Ration Laying Food.....		G. 16.00	3.50	6.00
V-O Growing Food.....	1386	G. 16.00 F. 17.38	4.00 3.44	6.00 6.62
Corrected.....	1706	G. 16.00 F. 17.63	3.50 4.11	7.00 7.09
V-O Hi Digesto with 2% Live Yeast.....		G. 19.00	3.00	9.00
V-O High Protein Laying Food.....	1388	G. 20.00 F. 22.13	4.00 4.27	6.00 6.28
Corrected.....	1707	G. 20.00 F. 21.63	3.50 4.45	6.50 6.86
V-O Poultry Fattening Food.....		G. 17.00	5.00	7.00
V-O Rabbit Grain Pellets.....		G. 13.00	4.00	9.00
V-O Rabbit Pellets.....	1774	F. 15.13	4.63	7.59
V-O Rabbit Pellets.....	1773	G. 15.00 F. 16.00	3.50 3.50	15.00 14.30
V-O Turkey Breeder Mash.....		G. 19.00	4.00	10.00
V-O Turkey Growing & Developing Mash.....		G. 22.00	4.00	10.00
V-O Turkey Starting Mash.....		G. 24.00	5.00	7.00
Western Livestock & Poultry Yeast Culture.....		G. 11.00	3.00	4.00
White Sea Flakes (see Table 4)....		.....	.....	.....
Myron E. Wells, Phoenix, Arizona				
W-E-L-L-S M. E. Laymash.....	1310	G. 15.00 F. 19.19	3.00 4.35	7.00 6.63
Western Condensing Company, Petaluma, California				
Pebbles Lacto-G Dried Whey.....	1489	G. 12.00 F. 11.75	0.50 0.13	0.10 0.10

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Western Cotton Products Co., Phoenix, Arizona				
Paymaster Brand 40% Protein Cottonseed Meal and Cake (see Table 3).....	.....	.....	.....	.....
Paymaster Brand 43% Protein Cottonseed Meal and Cake (see Table 3).....	.....	.....	.....	.....
Western Seed, Feed and Honey Co., Phoenix, Arizona				
Scratch Feed.....	.....	G. 9.00	2.00	4.00
Western Brand Dairy Ration.....	.....	G. 16.00	3.50	8.00
Westminster Mills, Alhambra, California				
Supreme Brand 50% Protein Meat & Bone Scraps.....	.....	G. 50.00	6.00	3.00
	1450	F. 51.38	10.33	2.15
White Fawn Mill & Elevator Co., Salt Lake City, Utah (Midvale)				
Blended Bran.....	.....	G. 14.00	2.50	10.00
	1566	F. 17.25	4.88	7.82
Shorts.....	.....	G. 11.00	2.00	3.00
	1567	F. 14.50	2.59	2.32
Wilbur-Ellis Company, Los Angeles, California				
Del Mar Steam Dried 65% Protein Sardine Meal.....	.....	G. 65.00	4.00	1.00
Linseed Cake Meal.....	.....	G. 30.00	8.00	12.00
28% Old Process Hempseed Cake Meal.....	.....	G. 28.00	6.00	28.00
P & G 41% Protein Soybean Oil Meal, Old Process (canceled)..	.....	G. 41.00	4.50	7.00
Peanut Oil Cake Meal.....	.....	G. 40.00	6.00	6.00
19% Protein Coconut Oil Meal....	.....	G. 19.00	6.00	11.00
	1631	F. 21.00	6.88	13.12
60% Protein Fish Meal.....	.....	G. 60.00	5.00	1.00
	1245	F. 60.63	9.73	1.17
65% Protein Fish Meal, Lighthouse Brand.....	.....	G. 65.00	4.00	1.00
65% Protein Liver Meal.....	.....	G. 65.00	15.00	3.00
50% Protein Meat & Bone Scraps...	.....	G. 50.00	6.00	3.00
	1820	F. 49.25	12.47	2.29
41% Protein Old Process Soybean Oil Meal.....	.....	G. 41.00	4.50	7.00
42% Protein Peanut Meal.....	.....	G. 42.00	6.00	12.00
45% Protein Peanut Oil Cake Meal	.....	G. 45.00	6.00	13.00
65% Protein Sardine Fish Meal.....	.....	G. 65.00	7.00	1.00
	1274	F. 63.31	3.95	0.26
18% Protein Tomato Pulp.....	.....	G. 18.00	8.00	35.00
Red Rooster Brand 65% Protein Fish Meal.....	.....	G. 65.00	5.00	1.00
Sesame Seed Meal.....	.....	G. 40.00	8.00	20.00
Wilbur-Ellis Steamed Bone Meal...	.....	G. 20.00	0.10	1.00

TABLE 5.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

Name and address of manufacturer and product	Lab. no.	Protein	Fat	Fiber
Wilson & Company, Inc., Los Angeles, California				
Red "W" Brand Meat and Bone Meal.....	..... 1244	G. 50.00 F. 50.50	6.00 11.51	3.00 2.30
The Wolf Milling Company, Ellinwood, Kansas				
Gray Wheat Shorts & Ground Wheat Screenings.....	.....	G. 16.00	3.50	6.00
Wheat Bran & Ground Wheat Screenings.....	.....	G. 14.50	3.50	11.00
Leigh S. Wright, Phoenix, Arizona				
U. K. C. Beef Krumbles.....	.....	G. 24.00	5.00	4.00
Yuma County Farmers Marketing Association, Yuma, Arizona				
Hyttest Bran.....	.....	G. 14.00	3.00	10.00

TABLE 6.—ANALYSES OF UNREGISTERED FEEDS.

Name and address of manufacturer and product	Lab. no.	Protein*	Fat*	Fiber*
Balfour-Guthrie Investment Co., Calipatria, Imperial Valley, California Suncured Alfalfa Greens.....	..... 1298	G. 20.00 F. 18.88	1.50 2.30	18.00 20.37
Copra Oil & Meal Company, Ltd., Wilmington, California Comco Brand 20% Protein Copra Meal.....	..... 1823	G. 20.00 F. 20.00	6.00 7.90	11.00 11.89
Interstate Cotton Oil Co., Los Angeles, California Paymaster Brand 30% Protein Lin- seed Meal.....	..... 1767	G. 28.00 F. 29.88	4.50 8.27	9.50 8.76
Spencer Kellogg & Sons, Los Angeles, California Kellogg's 34% Prot. O. P. Linseed Meal.....	..... 1768	G. 34.00 F. 36.81	4.50 4.50	9.00 7.84
Parrott & Company, San Francisco, California 67% Protein Sardine Meal.....	..... 1518	G. 67.00 F. 68.94	4.00 3.47	1.00 0.13
Sonora Flour Mills Company, S.A., Agua Prieta, Sonora, Mexico Mexico Wheat Bran.....	..... 1791	G. 14.00 F. 16.13	3.00 3.75	10.00 7.06
Pacific Limestone Products Co., Santa Cruz, California Kalkar Livestock Minerals.....	CaO G. 35.00 F. 35.12 (Ca) G. 25.00 F. 25.11	P ₂ O ₅ 5.00 5.52 (P) 2.18 2.41	Iodine 0.07 0.043	Salt 17.00 17.26

*G, guarantee; F, found by analysis; boldface figures indicate deficiency in protein and fat and excess of fiber.

SUMMARY

MIXED FEEDS

	1938	1939	1940
Feeds registered			
By Arizona manufacturers.....	340	329	384
By out-of-state manufacturers.....	474	554	697
Total.....	814	883	1,081
Number of feed manufacturers registered.....	97	108	123
Arizona.....	49	51	61
Out-of-state.....	48	57	62
Total tonnage as represented by receipts for fees (approximately)*.....	31,000	34,000	45,000
Number of samples collected and analyzed (chem. analysis).....	519	541	576
Number of samples not up to guarantee.....	221	191	197
Summary of violations—reasons for unsatisfactory reports			
Brand name on tag did not agree with registra- tion.....	44	10	37
Ingredients on tag did not agree with registra- tion.....	124	53	122
Feeds not registered when sampled.....	84	46	30
Feeds deficient in protein.....	50	40	53
Feeds deficient in fat.....	119	93	103
Feeds had excess of fiber.....	106	87	90
Tags did not show list of ingredients.....	43	3	0
Tags did not show net weight of package.....	37	1	11
Tags did not show name and address of man- ufacturer.....	10	2	1
Guaranteed chemical analysis not shown on tag	24	4	0
No tag or label on package.....	24	0	5
Feed did not carry Arizona inspection fee stamps or tags.....	11	22	22
Guaranteed analysis on tag did not agree with registration.....	76	35	62
Tag did not show brand name or kind of feed....	1	1	1

COTTONSEED MEAL

Number of registrations.....	20	22	23
Arizona manufacturers.....	5	7	8
Out-of-state manufacturers.....	15	15	15
Number of manufacturers registered.....	10	10	11
Arizona.....	5	5	6
Out-of-state.....	5	5	5
Total tonnage as represented by receipts for fees (approximately)*.....	25,000	35,000	22,374
Number of samples collected and analyzed (chem. analysis).....	33	44	55
Number of samples deficient in protein.....	20	6	15
Number of samples deficient in fat.....	.....	.....	4
Number of samples with excess of fiber.....	.....	.....	24
Number of samples not up to guarantee.....	.....	.....	19

*Tonnage calculations are based on stamp sales, therefore they are only approximate.

MINERAL FEEDS

Number of registrations.....	26	25	42
Arizona manufacturers.....	2	2	3
Out-of-state manufacturers.....	24	23	39
Number of manufacturers registered.....	16	15	22
Arizona.....	2	2	2
Out-of-state.....	14	13	20
Number of samples collected and analyzed.....	9	7	16
Number of samples below guarantee.....	4	4	10

FINANCIAL REPORT
FEED AND FERTILIZER CONTROL OFFICE
 From January 1, 1940, to December 31, 1940

RECEIPTS

On hand January 1, 1940.....	\$ 3,289.57
Commercial feeding stuffs tax tags and stamps.....	10,241.23
Commercial fertilizer tax tags and stamps.....	1,178.07
Commercial fertilizer registration fees.....	410.00
Appropriations (State).....	000.00
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Total receipts.....	\$15,118.87

DISBURSEMENTS

Chemicals and glassware.....	\$ 538.28
Freight and express.....	212.05
Labor and office help.....	1,409.03
Laboratory equipment.....	196.03
Office furniture and fixtures.....	439.12
Publications (Annual Report).....	554.54
Salaries.....	5,245.67
Stationery and office supplies.....	213.45
Tax tags and tax stamps.....	1,007.09
Telephone and telegraph.....	155.20
Travel expense.....	755.98
Miscellaneous expense.....	44.96
Warehouse services.....	248.48
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Total disbursements.....	\$11,019.88
Balance on hand, December 31, 1940.....	\$ 4,098.99