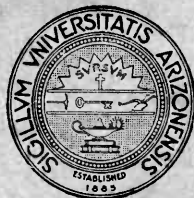


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SECOND ANNUAL REPORT OF THE ARIZONA FEED CONTROL OFFICE

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SECOND ANNUAL REPORT OF THE FEED CONTROL OFFICE OF ARIZONA

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INTRODUCTION

This bulletin is a report on the inspection of commercial feeding stuffs sold in Arizona during the calendar year of 1939.

The Arizona Feed Control Law was passed by the thirteenth legislative session of 1937. It designates the Agricultural Chemist at the Agricultural Experiment Station as State Chemist and makes him responsible for its enforcement. This responsibility involves the (1) registration of all feeds offered for sale in the state, (2) collection of samples of feeds for inspection and analysis, and (3) publication of these analyses so that feeders may know the quality of all feeds on sale.

This report should serve as a reference to feed manufacturers, feed dealers, and all farmers using commercial feeds in the feeding of poultry and animals.

Individuals or firms purchasing feed for resale in the state are cautioned against buying feed which does not comply with the law. Dealers and feeders should insert the following clause in all contracts for feed: "The feed delivered on this contract must comply with the Arizona Feeding Stuffs Law." When in doubt as to whether a feed is registered in the state, consult the

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

or the

Deputy Administrator
Arizona Feed & Fertilizer Control Office
1201 W. Madison
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 deter-

mination 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, grains, 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 were made in order that such information would 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

When a manufacturer presents a list of ingredients on the label or tag the terms used should be uniform; otherwise they may not be entirely understood by the feeder. In view of this the feed

manufacturers and Feed Control officials have selected terms which are now recognized as official and the use of which is strongly recommended.

A list of these terms and their definitions—as taken from the official publication of the Association of American Feed Control Officials—was given in last year's Annual Report, copies of which are still available.

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 |

TABLE 1—Continued.

| Feeding stuff | Protein | Fat | Fiber | Total digestible nutrients |
|---------------------------|---------|------|-------|----------------------------|
| 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 |

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 1939. All brands found on sale were sampled and analyzed, and these analyses are given in the table with the guarantee registered in this office.

An interesting comparison of the results of analyses taken this year and those taken last year is given in the summary at the end of this report. In spite of the fact that twenty-two more feeds were analyzed in 1939 than in 1938, the number of feeds failing to meet the guaranteed analysis was thirty less. The number of protein-deficient samples dropped from fifty to forty, fat-deficient feeds from 119 to ninety-three, and feeds with excess fiber from 106 to eighty-seven. The improvement in protein content of cottonseed meal is also of interest. Out of forty-four samples, only six were deficient in protein, while last year, of thirty-three samples analyzed, twenty were deficient.

Cottonseed meal feeding in Arizona is practiced on a very large scale. In view of this the analyses of this product are presented in a separate table.

TABLE 2.—COTTONSEED MEAL ANALYSES (PER CENT).

| Name and address of manufacturer and product | Lab. no. | Protein* | Fat* | Fiber* |
|---|----------|----------|-------|--------|
| Agricultural Products Company, Phoenix, Arizona | | | | |
| APCO Cottonseed Cake or Meal..... | ..... | G. 43.00 | 6.00 | 12.00 |
| | 631 | F. 43.81 | ..... | ..... |
| | 722 | F. 43.69 | ..... | ..... |
| | 769 | F. 43.25 | ..... | ..... |
| | 951 | F. 43.50 | ..... | ..... |
| Arizona Cotton Oil Company, Glendale, Arizona | | | | |
| ARCO Cottonseed Flake Cake or Meal | ..... | G. 43.00 | 6.00 | 12.00 |
| | 630 | F. 43.88 | ..... | ..... |
| | 632 | F. 43.94 | ..... | ..... |
| | 768 | F. 44.06 | ..... | ..... |
| | 770 | F. 45.69 | ..... | ..... |
| | 908 | F. 44.00 | ..... | ..... |
| | 909 | F. 44.50 | ..... | ..... |
| | 1051 | F. 42.88 | ..... | ..... |
| | 1052 | F. 43.06 | ..... | ..... |
| | 1145 | F. 41.19 | ..... | ..... |
| | 1146 | F. 41.88 | ..... | ..... |
| J. G. Boswell Company, Phoenix, Arizona | | | | |
| "BOSCO" Brand 40% Protein Cottonseed Cake and Meal..... | ..... | G. 40.00 | 5.00 | 14.00 |
| | 1141 | F. 40.38 | ..... | ..... |
| | 1142 | F. 41.00 | ..... | ..... |
| "BOSCO" Brand 43% Protein Cottonseed Cake and Meal..... | ..... | G. 43.00 | 5.20 | 12.00 |
| | 629 | F. 43.25 | ..... | ..... |
| | 669 | F. 43.81 | ..... | ..... |
| | 787 | F. 44.75 | ..... | ..... |
| | 796 | F. 44.56 | ..... | ..... |
| | 1143 | F. 43.19 | ..... | ..... |
| | 1144 | F. 43.94 | ..... | ..... |
| | 1148 | F. 42.75 | ..... | ..... |
| California Cotton Oil Corporation, Los Angeles, California | | | | |
| Cottonseed Meal..... | 609 | F. 43.75 | 7.15 | 11.05 |
| "Calico Brand" 40% Protein | ..... | G. 40.00 | 5.20 | 12.00 |
| | 1134 | F. 41.56 | ..... | ..... |
| "Calico Brand" 43% Protein Cottonseed Cake..... | ..... | G. 43.00 | 5.20 | 10.00 |
| | 628 | F. 43.06 | ..... | ..... |
| P. E. Cook Seed Store, Calexico, Calif. | | | | |
| 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 |

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

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 3.—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 | | | |
| Calcium (Ca)..... | 3.58 | ..... | ..... |
| Phosphorus (P)..... | 3.50 | ..... | ..... |
| Iodine (I)..... | 0.02 | ..... | ..... |
| Salt (NaCl)..... | 84.00 | ..... | ..... |
| American Iodized Stock Salt | | | |
| Iron oxide (Fe ₂ O ₃)..... | Tr. | ..... | ..... |
| Iodine (I)..... | 0.015 | ..... | ..... |
| Salt (NaCl)..... | 99.98 | ..... | ..... |
| California Milling Corp., Los Angeles, California | | | |
| Ace-Hi Pigeon Grit No. 10 or No. 6 | | | |
| Calcium oxide (CaO)..... | 48.00 (Ca 34.00) | ..... | ..... |
| Salt (NaCl)..... | 1.50 | ..... | ..... |
| Sterilized Steamed Bone | | | |
| Protein..... | 5.00 | ..... | ..... |
| Fat..... | 0.00 | ..... | ..... |
| Fiber..... | 2.00 | ..... | ..... |
| Carey's Salt Company, Hutchinson, Kansas | | | |
| Carey's Monocalcium Phosphate Salt | | | |
| Calcium (Ca)..... | 2.50 | ..... | ..... |
| Phosphorus (P)..... | 2.90 | ..... | ..... |
| Salt (NaCl)..... | 87.50 | ..... | ..... |
| Colloidal Prod. of America, Inc., Orlando, Florida | | | |
| Animal Mineral Colloids | | | |
| Calcium (Ca)..... | 25.00 | ..... | ..... |
| Phosphorus (P)..... | 7.00 | ..... | ..... |
| Iodine (I)..... | 0.02 | ..... | ..... |
| Salt (NaCl)..... | 0.00 | ..... | ..... |
| Poultry Mineral Colloids | | | |
| Calcium (Ca)..... | 26.00 | ..... | ..... |
| Phosphorus (P)..... | 5.00 | ..... | ..... |
| Iodine (I)..... | 0.02 | ..... | ..... |
| Salt (NaCl)..... | 0.00 | ..... | ..... |

TABLE 3.—MINERAL AND BONE FEEDS—Continued.

| Name and address of manufacturer and product | Guaranteed (per cent) | Lab. no. | Found (per cent) |
|---|-----------------------|----------|------------------|
| Consolidated Chemical Industries, San Francisco | | | |
| Digesta-Bone | ..... | 942 | ..... |
| Protein..... | 5.00 | ..... | 7.31 |
| Fat..... | 0.00 | ..... | 0.69 |
| Fiber..... | 2.00 | ..... | 3.41 |
| Economy Hog & Cattle Powder Company, San Francisco, Calif. | | | |
| Economy Mineral Compound | | | |
| Lime (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 | | | |
| Lime (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 | ..... | ..... |
| Economy Super Mineral for Poultry | | | |
| Lime (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 | | | |
| Lime (CaO)..... | 17.00 (Ca 12.10) | ..... | ..... |
| Phosphoric acid (P ₂ O ₅)..... | 2.00 (P 0.87) | ..... | ..... |
| Iodine (I)..... | 0.0125 | ..... | ..... |
| Salt (NaCl)..... | 0.00 | ..... | ..... |
| Dr. Hess and Clark, Inc., Ashland, Ohio | | | |
| Dr. Hess Hog Special..... | | | |
| Calcium (Ca)..... | 15.00 | 1067 | 15.55 |
| Phosphorus (P)..... | 3.00 | ..... | 3.94 |
| Iodine (I)..... | 0.04 | ..... | 0.04 |
| Salt (NaCl)..... | 23.00 | ..... | 20.69 |
| Dr. Hess Poultry Pan-A-Min..... | | | |
| Calcium (Ca)..... | 21.00 | 1068 | 21.42 |
| Phosphorus (P)..... | 3.80 | ..... | 4.57 |
| Salt (NaCl)..... | 10.00 | ..... | 9.87 |
| Dr. Hess Stock Tonic..... | | | |
| Calcium (Ca)..... | 15.00 | 1069 | 15.45 |
| Phosphorus (P)..... | 2.50 | ..... | 3.56 |
| Iodine (I)..... | 0.04 | ..... | 0.03 |
| Salt (NaCl)..... | 23.00 | ..... | 22.38 |
| Julius Meyer, Casa Grande, Arizona | | | |
| Fat 'Em Up | | | |
| Protein..... | 4.50 | 575 | 4.56 |
| Fat..... | 1.10 | ..... | 0.85 |
| Fiber..... | 2.00 | ..... | 1.50 |

TABLE 3.—MINERAL AND BONE FEEDS—Continued.

| Name and address of manufacturer and product | Guaranteed (per cent) | Lab. no. | Found (per cent) |
|--|-----------------------|----------|------------------|
| Calcium (Ca)..... | 23.00 | ..... | 23.63 |
| Phosphorus (P)..... | 8.00 | ..... | 8.88 |
| Iodine (I)..... | Tr. | ..... | ..... |
| Salt (NaCl)..... | 24.00 | ..... | 23.54 |
| Morton Salt Company, Chicago, Illinois | | | |
| Morton Calcium Phosphate Salt | | | |
| Calcium oxide (CaO)..... | 3.53 (Ca 2.52) | ..... | ..... |
| Phosphorus (P)..... | 6.75 | ..... | ..... |
| Salt (NaCl)..... | 89.72 | ..... | ..... |
| Morton Iodized Salt | | | |
| Potassium iodide (KI)..... | 0.023 (I 0.017) | ..... | ..... |
| Iron oxide (Fe ₂ O ₃)..... | 0.10 | ..... | ..... |
| Sodium carbonate (Na ₂ CO ₃)..... | 0.20 | ..... | ..... |
| Salt (NaCl)..... | 99.677 | ..... | ..... |
| Paul Lime Plant, Paul Spur, Arizona | | | |
| Cal-Pho-Sal..... | ..... | 1105 | ..... |
| Calcium (Ca)..... | 14.10 | ..... | 13.72 |
| Phosphorus (P)..... | 3.14 | ..... | 3.41 |
| Iron oxide (FeO)..... | 0.30 | ..... | 0.30 |
| Iodine (I)..... | 0.01 | ..... | 0.01 |
| Salt (NaCl)..... | 51.00 | ..... | 51.15 |
| Swift & Company, Los Angeles, California | | | |
| Swift's 5% Protein Special Steamed Bone Meal | | | |
| Protein..... | 5.00 | ..... | ..... |
| Fat..... | 0.00 | ..... | ..... |
| Fiber..... | 3.00 | ..... | ..... |
| Taylor Milling Corporation, Los Angeles, California | | | |
| Raw Bone Meal | | | |
| Protein..... | 23.00 | ..... | ..... |
| Fat..... | 0.50 | ..... | ..... |
| Fiber..... | 1.50 | ..... | ..... |
| Steam Bone Meal | | | |
| Protein..... | 6.00 | 906 | 5.00 |
| Fat..... | 0.00 | ..... | 0.88 |
| Fiber..... | 1.00 | ..... | ..... |
| Tidwell Fuel and Feed Co., El Paso, Texas | | | |
| Pulverized Limestone | | | |
| Calcium carbonate (CaCO ₃)..... | 70.00 (Ca 28.00) | ..... | ..... |
| Magnesium carbonate (MgCO ₃)..... | 0.20 | ..... | ..... |
| V-O Milling Company, Los Angeles, California | | | |
| White Sea Flakes | | | |
| Calcium carbonate (CaCO ₃)..... | 99.00 (Ca 39.60) | ..... | ..... |

TABLE 4.—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 2)..... | ..... | ..... | ..... | ..... |
| Albers Bros. Milling Company, Los Angeles, California | | | | |
| Albers Commercial Crate Fatner..... | ..... | G. 15.00 | 5.00 | 5.00 |
| Albers Egg King..... | ..... | G. 17.00 | 3.50 | 10.00 |
| Albers Mil-King Dairy Ration..... | ..... | G. 16.00 | 4.50 | 12.00 |
| Albers Molasses & Oat Mill Feed..... | ..... | G. 4.00 | 1.00 | 24.00 |
| Albers Nu-Way All-Purpose Feed..... | ..... | G. 17.00 | 3.50 | 10.00 |
| | 1131 | F. 19.25 | 3.57 | 9.85 |
| Albers Oat Mill Feed..... | ..... | G. 3.00 | 1.00 | 32.00 |
| | 1132 | F. 5.19 | 1.45 | 31.90 |
| Albers Progressive Egg Ration..... | ..... | G. 20.00 | 3.50 | 8.00 |
| | 917 | F. 22.38 | 4.04 | 6.14 |
| Albers Progressive Turkey Grower Albers Proven Battery Laying Ration..... | ..... | G. 19.00 | 4.00 | 9.00 |
| | 916 | F. 18.50 | 4.00 | 10.00 |
| | | F. 20.31 | 5.25 | 8.76 |
| Albers Proven Breeders Ration..... | ..... | G. 20.00 | 5.00 | 6.00 |
| Albers Proven Calf Meal..... | ..... | G. 21.00 | 5.00 | 5.00 |
| | 1050 | F. 23.31 | 5.38 | 5.43 |
| Albers Proven Chick Scratch..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 920 | F. 11.50 | 2.89 | 1.56 |
| Albers Proven Chick Starter..... | ..... | G. 17.00 | 4.00 | 5.00 |
| | 1042 | F. 19.75 | 4.54 | 4.86 |
| Albers Proven Dairy Concentrate.... | ..... | G. 30.00 | 4.00 | 6.00 |
| Albers Proven Duck Paks..... | ..... | G. 15.00 | 3.50 | 9.00 |
| Albers Proven Egg Maker..... | ..... | G. 20.00 | 4.50 | 6.50 |
| | 918 | F. 21.38 | 4.35 | 5.56 |
| Albers Proven Fryer Ration..... | ..... | G. 17.00 | 4.50 | 6.00 |
| | 921 | F. 22.63 | 5.48 | 5.64 |
| Albers Proven Lax-ive Ration..... | ..... | G. 15.00 | 6.00 | 6.00 |
| | 922 | F. 20.31 | 8.24 | 5.60 |
| Albers Proven Milk-Flo..... | ..... | G. 20.00 | 5.00 | 10.00 |
| Albers Proven Pigeon Feed..... | ..... | G. 12.00 | 4.50 | 4.00 |
| | 1043 | F. 12.25 | 2.50 | 1.69 |
| Albers Proven Poultry Breeder Breeders Ration..... | ..... | G. 20.00 | 5.00 | 6.00 |
| | 919 | F. 24.44 | 5.80 | 5.84 |
| Albers Proven Pullet Grower..... | ..... | G. 17.00 | 4.50 | 7.00 |
| | 678 | F. 19.31 | 4.68 | 6.39 |
| Albers Proven Rabbit Breeders Paks..... | ..... | G. 12.00 | 2.50 | 25.00 |
| | 1044 | F. 14.63 | 2.80 | 24.35 |
| Albers Proven Rabbit Family Ra- tion..... | ..... | G. 13.00 | 3.00 | 18.00 |
| | 998 | F. 14.75 | 3.12 | 17.66 |
| Albers Proven Similene Ration..... | ..... | G. 20.00 | 5.00 | 6.00 |
| | 1045 | F. 21.88 | 5.88 | 5.06 |
| Albers Proven Turkey Breeder Ra- tion..... | ..... | G. 21.00 | 4.00 | 7.00 |
| | 1046 | F. 24.13 | 4.68 | 5.48 |

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

TABLE 4.—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 Turkey Gro-Fat..... | ..... | G. 17.00 | 4.00 | 6.00 |
| | 915 | F. 19.25 | 4.54 | 5.35 |
| Albers Proven Turkey Grower ..... | ..... | G. 21.00 | 5.00 | 7.50 |
| | 1047 | F. 23.00 | 4.64 | 7.34 |
| Albers Proven Turkey Starter..... | ..... | G. 22.00 | 5.00 | 6.00 |
| | 1048 | F. 25.19 | 5.01 | 5.18 |
| Albers Ration with 2% Tobacco..... | ..... | G. 20.00 | 4.50 | 7.50 |
| | 1049 | F. 23.31 | 4.55 | 8.04 |
| Albers Trip-L-Duty..... | ..... | G. 17.00 | 4.00 | 6.00 |
| | 574 | F. 20.06 | 3.97 | 5.34 |
| Albers XLNT Rabbit Pellets..... | ..... | G. 14.00 | 3.00 | 15.00 |
| Bak-O-Mash or Pellets..... | ..... | G. 20.00 | 4.50 | 7.50 |
| Proven Calf Manna..... | ..... | G. 25.00 | 4.00 | 5.00 |
| | 1041 | F. 28.75 | 4.35 | 3.34 |
| Sterilized Steamed Bone (see Table 3)..... | ..... | ..... | ..... | ..... |
| Stovers Pellets..... | ..... | G. 14.50 | 4.50 | 6.00 |
| Allen's Feed Store, Prescott, Ariz. | | | | |
| Allen's Scratch..... | ..... | G. 9.00 | 2.00 | 4.00 |
| American Butter Company, Kansas City, Missouri | | | | |
| Condensed Greenmilk..... | ..... | G. 8.00 | 2.00 | 3.00 |
| Dried Greens-Buttermilk..... | ..... | G. 25.00 | 4.00 | 15.00 |
| American Fisheries Company, San Diego, California | | | | |
| Oliver Brand 60% Protein Fish Meal | ..... | G. 60.00 | 5.00 | 3.00 |
| | 746 | F. 66.38 | 7.99 | 0.86 |
| Oliver Brand 62% Protein Fish Meal | ..... | G. 62.00 | 5.00 | 3.00 |
| | 594 | F. 65.25 | 12.34 | 0.50 |
| Oliver Brand Tuna Meal..... | ..... | G. 60.00 | 5.00 | 3.00 |
| American Salt Corporation, Kansas City, Missouri | | | | |
| American Calcium-Phosphorus Salt (see Table 3)..... | ..... | ..... | ..... | ..... |
| American Iodized Stock Salt (see Table 3)..... | ..... | ..... | ..... | ..... |
| Andersen-Smith Milling Company, San Francisco, California | | | | |
| Chick Concentein..... | ..... | G. 35.00 | 5.00 | 8.00 |
| | 1116 | F. 40.25 | 4.64 | 5.80 |
| Egg Concentein..... | ..... | G. 40.00 | 4.00 | 5.00 |
| | 1117 | F. 44.38 | 4.70 | 3.72 |
| Growing Pullet Concentein..... | ..... | G. 27.00 | 4.00 | 10.00 |
| | 1118 | F. 31.00 | 3.58 | 7.06 |
| An-Fo Manufacturing Company, Oakland, California | | | | |
| An-Fo-Calf Meal..... | ..... | G. 20.00 | 5.50 | 11.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------|-------|
| Archer Daniels Midland Company, Minneapolis, Minnesota | | | | |
| 44% Protein Soybean Oil Meal..... | ..... | G. 44.00 | 0.50 | 7.00 |
| | 1119 | F. 48.50 | 0.47 | 6.19 |
| 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 Cotton Oil Company, Glendale, Arizona | | | | |
| Arco Cottonseed Flake Cake or Meal (see Table 2)..... | ..... | ..... | ..... | ..... |
| Arizona Farmers Exchange, Mesa, Arizona | | | | |
| Arizona Maid Chick Scratch..... | ..... | G. 10.00 | 2.50 | 4.00 |
| Arizona Maid Chick Starter..... | ..... | G. 16.00 | 3.00 | 5.00 |
| | 789 | F. 17.63 | 4.60 | 3.93 |
| Arizona Maid Dairy Feed..... | ..... | G. 18.00 | 3.50 | 8.00 |
| | 790 | F. 17.63 | 4.12 | 7.72 |
| Arizona Maid Developing Mash..... | ..... | G. 17.00 | 3.00 | 4.50 |
| | 791 | F. 16.25 | 4.21 | 4.17 |
| Arizona Maid Fattening Mash..... | ..... | G. 14.00 | 4.00 | 4.00 |
| | 792 | F. 15.00 | 6.20 | 2.88 |
| Arizona Maid Hen Scratch..... | ..... | G. 10.00 | 2.50 | 4.00 |
| | 793 | F. 11.19 | 3.16 | 2.72 |
| Arizona Maid Laying Mash..... | ..... | G. 20.00 | 3.50 | 5.00 |
| | 794 | F. 20.25 | 4.24 | 4.56 |
| Arizona Flour Mills Company, Phoenix, Arizona | | | | |
| Arizona Pride Laying Mash..... | ..... | G. 18.00 | 3.00 | 7.00 |
| | 978 | F. 22.25 | 4.66 | 8.04 |
| New registration..... | ..... | G. 18.00 | 3.00 | 8.00 |
| Arizona Pride Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 1162 | F. 12.31 | 2.13 | 2.52 |
| 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 |
| | 964 | F. 15.75 | 4.40 | 16.74 |
| Arizona Star Baby Chick Grain..... | ..... | G. 12.00 | 2.50 | 2.00 |
| | 965 | F. 11.56 | 2.56 | 1.88 |
| Arizona Star Broiler Mash..... | ..... | G. 18.00 | 3.00 | 7.00 |
| | 966 | F. 20.88 | 4.73 | 5.52 |
| Arizona Star Calf Meal..... | ..... | G. 24.00 | 5.00 | 6.00 |
| | 967 | F. 25.00 | 5.24 | 5.42 |
| Arizona Star Dairy Feed..... | ..... | G. 18.00 | 3.50 | 7.00 |
| | 969 | F. 18.38 | 3.60 | 7.28 |
| Arizona Star Developing Mash..... | ..... | G. 18.50 | 3.00 | 7.00 |
| | 970 | F. 16.94 | 3.20 | 6.62 |
| Arizona Star Fattening Mash..... | ..... | G. 14.00 | 3.00 | 5.00 |
| | 971 | F. 17.75 | 4.20 | 4.60 |

TABLE 4.—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 Growing Grain..... | ..... | G. 12.00 | 3.00 | 3.00 |
| | 972 | F. 11.75 | 2.31 | 1.90 |
| | 1020 | F. 10.38 | 2.28 | 1.84 |
| New registration..... | ..... | G. 10.00 | 2.00 | 4.00 |
| Arizona Star Growing Mash (can- celed)..... | ..... | G. 18.00 | 4.00 | 4.50 |
| | 585 | F. 18.00 | 3.78 | 5.21 |
| Arizona Star Horse Feed..... | ..... | G. 11.00 | 3.20 | 7.00 |
| | 973 | F. 11.06 | 3.48 | 5.82 |
| Arizona Star Manamar Dairy Con- centrate..... | ..... | G. 28.00 | 4.00 | 8.50 |
| | 1027 | F. 26.75 | 4.59 | 8.34 |
| Arizona Star Manamar Dairy Feed | ..... | G. 20.00 | 3.50 | 8.00 |
| | 584 | F. 20.38 | 3.55 | 7.10 |
| | 994 | F. 18.94 | 4.02 | 6.95 |
| Arizona Star Molasses Cattle Mix..... | ..... | G. 14.00 | 2.25 | 20.00 |
| Arizona Star Pigeon Scratch Feed | ..... | G. 14.00 | 3.00 | 3.00 |
| | 1031 | F. 12.50 | 2.80 | 2.32 |
| Arizona Star Protein and Vitamin Concentrate..... | ..... | G. 32.00 | 4.00 | 9.00 |
| | 1025 | F. 33.44 | 5.13 | 9.48 |
| Arizona Star Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 586 | F. 14.10 | 2.16 | 1.91 |
| | 974 | F. 12.25 | 2.50 | 2.42 |
| Arizona Star Turkey Breeder Mash | ..... | G. 22.00 | 3.00 | 7.00 |
| | 1160 | F. 22.50 | 4.20 | 7.36 |
| Arizona Star Turkey Growing Mash | ..... | G. 22.00 | 4.00 | 7.00 |
| | 1111 | F. 22.69 | 4.16 | 7.97 |
| Arizona Star Turkey Maturing Mash | ..... | G. 22.00 | 3.00 | 7.00 |
| | 1026 | F. 22.88 | 4.68 | 9.08 |
| Arizona Star Turkey Starting Mash..... | ..... | G. 23.00 | 4.00 | 6.00 |
| | 1161 | F. 23.81 | 4.00 | 6.12 |
| Calf Growing Pellets..... | ..... | G. 20.00 | 3.00 | 13.00 |
| | 979 | F. 20.69 | 3.84 | 15.18 |
| Coccidiosis Control Mash..... | ..... | G. 17.50 | 3.00 | 6.50 |
| | 968 | F. 19.63 | 4.78 | 8.53 |
| Hominy Feed..... | ..... | G. 13.00 | 5.50 | 6.00 |
| | 1163 | F. 10.81 | 5.00 | 4.42 |
| Manamar All-In-One Life Cycle Mash..... | ..... | G. 16.00 | 3.00 | 7.00 |
| | 570 | F. 15.62 | 4.54 | 5.54 |
| | 1164 | F. 15.31 | 4.99 | 5.86 |
| Manamar Breeder Mash..... | ..... | G. 20.00 | 4.00 | 7.00 |
| | 1165 | F. 20.63 | 5.40 | 5.88 |
| Manamar Growing Mash..... | ..... | G. 16.00 | 3.00 | 7.00 |
| | 571 | F. 17.06 | 4.12 | 6.51 |
| | 976 | F. 17.25 | 4.08 | 6.20 |
| | 1022 | F. 17.75 | 3.77 | 6.82 |
| Manamar Laying Mash..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 569 | F. 19.62 | 4.37 | 6.90 |
| | 583 | F. 21.25 | 4.09 | 6.73 |
| | 975 | F. 19.13 | 4.50 | 7.40 |
| | 995 | F. 19.50 | 3.46 | 7.58 |
| New registration..... | ..... | G. 20.00 | 3.00 | 8.00 |

TABLE 4.—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 Starting Mash..... | ..... | G. 17.00 | 3.00 | 7.00 |
| | 572 | F. 18.31 | 3.93 | 5.84 |
| | 977 | F. 19.44 | 4.47 | 6.42 |
| Millrun Wheat Bran..... | ..... | G. 14.00 | 3.00 | 10.00 |
| | 1028 | F. 18.63 | 3.60 | 9.14 |
| Processed Beet Seed..... | ..... | G. 7.50 | 1.00 | 35.00 |
| | 1166 | F. 9.81 | 1.46 | 28.69 |
| Processed Beet Seed and Molasses | ..... | G. 9.00 | 1.00 | 25.00 |
| | 1167 | F. 9.44 | 1.34 | 23.86 |
| Wheat White Shorts..... | ..... | G. 15.00 | 2.50 | 3.50 |
| | 1034 | F. 19.75 | 4.00 | 4.21 |
| Worm Control Mash..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 1109 | F. 20.75 | 4.84 | 7.63 |
| Arizona Flour Mills Company, Tucson, Arizona | | | | |
| All-In-One Life Cycle Mash..... | ..... | G. 16.00 | 3.00 | 7.00 |
| | 1014 | F. 16.38 | 3.74 | 6.90 |
| Arizona Pride Dairy & Cattle Feed | ..... | G. 18.00 | 3.50 | 10.00 |
| | 1015 | F. 18.94 | 3.28 | 13.75 |
| Dehydrated Carrot Meal..... | ..... | G. 8.00 | 1.50 | 8.00 |
| | 573 | F. 7.13 | 1.64 | 9.03 |
| | 1033 | F. 6.06 | 1.64 | 7.25 |
| Double Check Chick Mash..... | ..... | G. 18.00 | 3.00 | 7.00 |
| Double Check Egg Mash..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 1017 | F. 20.13 | 4.10 | 6.82 |
| Double Check Growing Pullet Mash | ..... | G. 15.00 | 3.00 | 8.00 |
| | 1016 | F. 18.38 | 3.24 | 6.84 |
| Eagle Baby Chick Scratch Feed..... | ..... | G. 9.00 | 2.00 | 5.00 |
| | 1018 | F. 10.44 | 3.07 | 1.76 |
| Eagle Fattening Mash..... | ..... | G. 14.00 | 3.00 | 6.00 |
| | 1019 | F. 14.00 | 3.00 | 3.86 |
| Eagle Horse Feed..... | ..... | G. 11.00 | 3.00 | 6.00 |
| | * 590 | F. 15.19 | 3.65 | 6.31 |
| Eagle Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 997 | F. 12.38 | 2.04 | 1.96 |
| Growing Scratch Feed..... | ..... | G. 9.00 | 2.00 | 5.00 |
| Manamar Dairy Feed..... | ..... | G. 20.00 | 3.50 | 8.00 |
| | 1021 | F. 19.06 | 3.62 | 10.12 |
| Manamar Laying Mash..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 1023 | F. 21.50 | 4.22 | 7.96 |
| Manamar Starting Mash..... | ..... | G. 17.00 | 3.00 | 7.00 |
| | 1024 | F. 17.63 | 3.99 | 6.70 |
| Pomerene Mash..... | ..... | G. 20.00 | 2.50 | 7.00 |
| | 1032 | F. 20.81 | 4.45 | 5.59 |
| Rolled Mixed Feed..... | ..... | G. 9.00 | 1.50 | 6.00 |
| | 1168 | F. 10.56 | 2.31 | 3.70 |
| Vit-A-Plus Alfalfa Meal..... | ..... | G. 18.00 | 2.00 | 24.00 |
| | 587 | F. 18.69 | 2.55 | 25.08 |
| | 1102 | F. 21.44 | 3.33 | 19.60 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------------------|----------------------------------|------------------------|----------------------|
| Vit-A-Plus Stem Meal..... | 1110 | G. 9.00 F. 8.25 | 1.00 0.86 | 40.00 44.54 |
| Armour & Company (Hauser Plant), Los Angeles, California | | | | |
| Armour's Blood Meal..... | ..... | G. 80.00 | 0.00 | 2.00 |
| Armour's 50% Protein Meat & Bone Meal Digester Tankage..... | 708 | G. 50.00 F. 54.25 | 6.00 10.79 | 2.00 2.91 |
| Associated Dairy Products, Phoenix, Arizona | | | | |
| Webster's Buttermilk Powder..... | 1169 | G. 35.00 F. 36.13 | 4.00 6.00 | 1.00 0.00 |
| Webster's Skim Milk Powder..... | 944 1155 | G. 34.00 F. 34.63 F. 36.38 | 0.00 0.25 0.20 | 0.00 0.00 0.00 |
| Babbitt Bros. Trading Company, Flagstaff, Arizona | | | | |
| Superior Brand Meat Meal..... | 827 1173 | G. 50.00 F. 49.25 F. 50.13 | 8.00 11.34 11.87 | 1.50 1.50 1.50 |
| Baber Mercantile Company, Tempe, Arizona | | | | |
| Baber Brand All In One Turkey Starting Mash..... | ..... | G. 17.00 | 3.10 | 4.00 |
| Baber Brand Baby Chick Mash..... | 853 | G. 17.00 F. 18.13 | 5.00 4.57 | 5.50 4.71 |
| Baber Brand Baby Chick Scratch Grain..... | 854 | G. 11.00 F. 12.13 | 2.00 2.00 | 2.00 1.70 |
| Baber Brand Broiler Fattener Fryer Mash..... | ..... | G. 16.50 | 5.00 | 4.50 |
| Baber Brand Dairy Feed..... | 855 | G. 20.00 F. 19.19 | 3.75 3.42 | 8.00 8.21 |
| Baber Brand Developing Mash..... | 856 | G. 16.80 F. 18.81 | 1.90 4.17 | 7.00 5.64 |
| New registration..... | ..... | G. 18.00 | 4.20 | 6.00 |
| Baber Brand Developing Scratch Grain..... | 857 | G. 11.00 F. 12.69 | 2.00 2.68 | 2.00 2.30 |
| Baber Brand Laying Mash (with buttermilk)..... | 858 | G. 19.50 F. 21.56 | 3.10 4.13 | 7.00 5.92 |
| New registration..... | ..... | G. 21.00 | 4.00 | 6.00 |
| Scratch Grain..... | 859 | G. 11.00 F. 11.31 | 2.53 2.65 | 2.06 2.04 |
| S. E. Black, Mesa, Arizona | | | | |
| Community Chick Starting Mash..... | ..... | G. 15.00 | 2.50 | 5.00 |
| Community Growing Mash..... | ..... | G. 15.00 | 2.50 | 5.00 |
| Community Lay Mash..... | ..... | G. 19.00 | 3.50 | 6.00 |
| Community Scratch..... | ..... | G. 10.00 | 2.00 | 4.00 |
| Complete Growing Mash..... | ..... | G. 13.00 | 2.50 | 5.00 |
| Complete Lay Mash..... | ..... | G. 16.00 | 2.50 | 5.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------|-------|
| Border Feed & Seed Company, Nogales, Arizona | | | | |
| Border Dairy Feed..... | ..... | G. 18.50 | 2.50 | 12.50 |
| | 681 | F. 21.88 | 4.19 | 10.49 |
| Border Scratch Feed..... | ..... | G. 9.50 | 2.50 | 3.00 |
| | 680 | F. 12.56 | 2.51 | 2.11 |
| Mexican Wheat Bran..... | ..... | G. 15.50 | 3.00 | 8.90 |
| | 682 | F. 17.56 | 3.89 | 8.56 |
| J. G. Boswell Company, Phoenix, Arizona | | | | |
| Bosco Brand 40% Protein Cottonseed Cake or Meal (see Table 2)..... | ..... | ..... | ..... | ..... |
| Bosco Brand 43% Protein Cottonseed Cake or Meal (see Table 2)..... | ..... | ..... | ..... | ..... |
| Brophy Carriage Company, Lowell, Arizona | | | | |
| Brophy's Scratch Feed..... | ..... | G. 10.80 | 2.25 | 2.63 |
| | 674 | F. 13.69 | 2.80 | 2.53 |
| Buckeye Seed & Feed Company, Inc., Buckeye, Arizona | | | | |
| Golden West Brand Chick Grain..... | ..... | G. 12.75 | 3.00 | 3.00 |
| | 699 | F. 13.98 | 2.86 | 2.18 |
| Golden West Brand Chick Mash..... | ..... | G. 17.50 | 3.50 | 5.50 |
| | 605 | F. 17.31 | 4.58 | 5.07 |
| Golden West Brand Dairy Feed..... | ..... | G. 16.00 | 3.00 | 8.00 |
| | 601 | F. 18.50 | 3.85 | 7.85 |
| Golden West Brand Dairy Feed with Dr. Hess Stock Tonic..... | ..... | G. 16.00 | 3.00 | 8.00 |
| | 606 | F. 17.50 | 3.59 | 7.84 |
| Golden West Brand Developing Grain | ..... | G. 11.30 | 4.75 | 3.50 |
| | 698 | F. 13.88 | 3.65 | 2.57 |
| Golden West Brand Developing Mash | ..... | G. 15.10 | 3.00 | 6.50 |
| | 604 | F. 16.81 | 3.52 | 5.91 |
| Golden West Brand Laying Mash..... | ..... | G. 18.00 | 3.00 | 5.35 |
| | 603 | F. 20.75 | 4.20 | 6.34 |
| Golden West Brand Laying Mash with Pan-A-Min..... | ..... | G. 18.00 | 3.00 | 5.35 |
| | 607 | F. 19.87 | 3.50 | 5.51 |
| Golden West Brand Scratch Feed..... | ..... | G. 12.50 | 3.00 | 3.50 |
| | 602 | F. 13.37 | 3.38 | 2.45 |
| California Cotton Oil Corporation, Los Angeles, California | | | | |
| Calico Brand 43% Protein Cottonseed Cake (see Table 2)..... | ..... | ..... | ..... | ..... |
| Calico Brand 40% Protein Cottonseed Meal (see Table 2)..... | ..... | ..... | ..... | ..... |
| California Milling Corporation, Los Angeles, California | | | | |
| Ace-Hi All-Age Feed..... | ..... | G. 16.00 | 3.00 | 5.00 |
| Ace-Hi Angora Rabbit Feed..... | ..... | G. 9.00 | 3.50 | 8.00 |
| Ace-Hi Baby Chick Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 952 | F. 10.19 | 2.56 | 1.44 |

TABLE 4.—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 Broiler & Fryer Mash..... | ..... | G. 17.00 | 3.50 | 7.00 |
| | 707 | F. 19.56 | 5.05 | 7.77 |
| Ace-Hi Brooding Mash..... | ..... | G. 19.00 | 5.00 | 7.00 |
| | 612 | F. 21.37 | 4.39 | 6.53 |
| Ace-Hi Calf Meal..... | ..... | G. 24.00 | 3.50 | 7.00 |
| | 1004 | F. 25.25 | 3.78 | 4.39 |
| Ace-Hi Chick Starter..... | ..... | G. 16.00 | 4.00 | 6.00 |
| | 1003 | F. 17.88 | 5.37 | 6.13 |
| Ace-Hi Coccidiosis Control Mash.... | ..... | G. 13.50 | 2.50 | 4.00 |
| | 953 | F. 17.75 | 2.84 | 3.97 |
| Ace-Hi Consolidated All-Grain Rabbit Pellets..... | ..... | G. 11.50 | 2.00 | 9.00 |
| | 1120 | F. 16.38 | 3.63 | 7.10 |
| Ace-Hi Consolidated Chick Mash..... | ..... | G. 17.00 | 4.00 | 7.00 |
| | 1121 | F. 17.31 | 4.48 | 6.24 |
| Ace-Hi Consolidated Growing Mash or Pellets..... | ..... | G. 15.00 | 4.00 | 7.00 |
| (Protein in winter—16%) | 954 | F. 18.50 | 3.82 | 7.00 |
| Ace-Hi Consolidated Growing Mash with Conditioner | ..... | G. 15.00 | 4.00 | 7.00 |
| Ace-Hi Consolidated Laying Mash or Pellets..... | ..... | G. 17.00 | 3.00 | 7.00 |
| (Protein in winter—18%) | | | | |
| Ace-Hi Dairy Feed..... | ..... | G. 16.00 | 4.50 | 10.00 |
| | 1006 | F. 17.88 | 4.11 | 8.59 |
| Ace-Hi Duck Mash..... | ..... | G. 15.00 | 3.50 | 10.00 |
| | 1001 | F. 21.06 | 4.34 | 7.16 |
| Ace-Hi Fattening Mash..... | ..... | G. 13.00 | 5.00 | 6.00 |
| | 1122 | F. 13.81 | 5.02 | 4.56 |
| Ace-Hi Goat Feed..... | ..... | G. 10.00 | 3.00 | 10.00 |
| | 1007 | F. 11.88 | 4.83 | 9.39 |
| Ace-Hi Growing Chick Scratch..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 1124 | F. 11.19 | 2.50 | 1.66 |
| Ace-Hi Horse Feed..... | ..... | G. 10.00 | 3.00 | 11.00 |
| | 1008 | F. 11.63 | 3.60 | 6.84 |
| Ace-Hi Laying Mash or Pellets..... | ..... | G. 19.00 | 4.00 | 7.00 |
| (Protein in winter—20%) | 704 | F. 21.38 | 5.09 | 7.56 |
| | 1123 | F. 21.44 | 4.39 | 7.68 |
| Ace-Hi Moulting Mash..... | ..... | G. 19.00 | 4.00 | 7.50 |
| | 1002 | F. 20.38 | 5.41 | 6.78 |
| Ace-Hi Pig Feed..... | ..... | G. 11.00 | 2.00 | 12.00 |
| Ace-Hi Pigeon Feed..... | ..... | G. 11.00 | 4.50 | 4.00 |
| Ace-Hi Pigeon Grit No. 10 or No. 6 (see Table 3) | ..... | ..... | ..... | ..... |
| Ace-Hi Poultry Breeders Mash..... | ..... | G. 17.00 | 4.00 | 8.00 |
| | 1009 | F. 20.50 | 4.48 | 6.22 |
| Ace-Hi Rabbit Pellets..... | ..... | G. 16.00 | 3.00 | 16.00 |
| | 1010 | F. 16.19 | 3.76 | 14.78 |
| Ace-Hi Scratch Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| Ace-Hi 66% Protein Liver Meal..... | ..... | G. 66.00 | 10.00 | 1.00 |
| Ace-Hi Special Rabbit Pellets..... | ..... | G. 16.00 | 3.00 | 16.00 |
| | 860 | F. 17.31 | 3.56 | 15.78 |
| Ace-Hi Turkey Breeders Mash..... | ..... | G. 20.00 | 5.00 | 7.00 |
| | 595 | F. 24.56 | 4.39 | 6.81 |

TABLE 4.—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 Turkey Finishing Mash..... | ..... | G. 21.00 | 4.00 | 7.00 |
| Ace-Hi Turkey Growing Mash..... | ..... | G. 24.00 | 5.00 | 7.00 |
| | 957 | F. 24.25 | 5.19 | 6.58 |
| Ace-Hi Turkey and Poultry Con- centrate..... | ..... | G. 40.00 | 5.00 | 6.00 |
| | 615 | F. 42.25 | 4.20 | 5.42 |
| | 703 | F. 42.88 | 5.32 | 5.13 |
| Ace-Hi Turkey Starting Mash..... | ..... | G. 24.00 | 4.50 | 6.00 |
| | 705 | F. 26.75 | 6.57 | 6.88 |
| Ace-Hi Vitatone Conditioner Mash | ..... | G. 18.00 | 3.00 | 7.00 |
| Ace-Hi Wire Mash..... | ..... | G. 20.00 | 4.00 | 8.00 |
| | 640 | F. 21.50 | 5.46 | 9.68 |
| Ace-Hi 2% Yeast Mash..... | ..... | G. 18.00 | 4.00 | 7.00 |
| Blended Mill Run..... | ..... | G. 14.00 | 3.00 | 10.00 |
| | 1136 | F. 17.69 | 3.81 | 11.25 |
| Daisy Duck Mash Pellets..... | ..... | G. 15.00 | 3.50 | 11.00 |
| Daisy Laying Mash..... | ..... | G. 16.00 | 3.25 | 11.00 |
| Dried Buttermilk..... | ..... | G. 31.00 | 3.00 | 0.00 |
| Dried Skim Milk..... | ..... | G. 35.00 | 1.00 | 0.00 |
| Eagle Growing Mash..... | ..... | G. 16.00 | 4.00 | 8.00 |
| | 611 | F. 17.56 | 3.85 | 8.80 |
| Eagle Laying Mash..... | ..... | G. 18.00 | 3.75 | 8.00 |
| | 610 | F. 20.75 | 4.36 | 7.84 |
| Eagle Rabbit Pellets..... | ..... | G. 15.00 | 3.00 | 17.00 |
| 50-50 Scratch Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| Ground Blood..... | ..... | G. 80.00 | 0.00 | 0.00 |
| 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 |
| 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 |
| Red Flaky Wheat Bran..... | ..... | G. 15.00 | 3.00 | 10.00 |
| | 706 | F. 21.06 | 3.99 | 7.74 |
| Special Pigeon Feed..... | ..... | G. 12.00 | 4.00 | 4.00 |
| Standard Brand Laying Mash..... | ..... | G. 18.00 | 3.75 | 9.00 |
| | 1011 | F. 18.88 | 4.64 | 9.72 |
| Standard Dairy Feed..... | ..... | G. 15.00 | 3.00 | 11.50 |
| Standard Scratch Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| Sterilized Steamed Bone..... | ..... | ..... | ..... | ..... |
| (see Table 3) | | | | |
| Sun Ripe Brand 30% Protein | ..... | G. 30.00 | 6.00 | 10.00 |
| Old Process Linseed Meal..... | ..... | G. 30.00 | 6.00 | 10.00 |
| 30% Protein | ..... | G. 31.00 | 5.00 | 12.00 |
| Torch Brand Old Process Linseed Meal 31% Protein..... | 750 | F. 32.00 | 6.60 | 10.57 |
| Valley Farm Dairy Feed..... | ..... | G. 14.00 | 2.50 | 13.00 |
| | 1012 | F. 12.81 | 2.75 | 14.40 |
| Valley Farm Rabbit Pellets..... | ..... | G. 13.50 | 2.75 | 19.00 |
| | 1013 | F. 15.81 | 2.82 | 17.16 |
| Van Camp 62% Protein Sardine Fish Meal..... | 638 | G. 62.00 | 5.00 | 1.00 |
| | | F. 63.50 | 6.97 | .70 |
| Vita-Greens Dehydrated Alfalfa Meal..... | ..... | G. 18.00 | 1.50 | 24.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|------|-------|
| Wheat Brown Shorts..... | ..... | G. 9.00 | 3.00 | 5.00 |
| | 960 | F. 16.56 | 4.20 | 4.86 |
| California Rendering Company, Ltd., Los Angeles, California | | | | |
| Premier Brand 50% Protein Meat & Bone Scraps..... | ..... | G. 50.00 | 6.00 | 2.00 |
| | 932 | F. 50.69 | 9.41 | 2.00 |
| Capital Fuel, Feed and Seed Company, Phoenix, Arizona | | | | |
| Alfalfa Screenings with 10% Molasses..... | ..... | G. 20.00 | 4.00 | 15.00 |
| | 1101 | F. 25.06 | 6.60 | 11.90 |
| Capitol Brand All-In-One Developer..... | ..... | G. 16.00 | 3.00 | 6.00 |
| | 934 | F. 18.13 | 3.82 | 5.16 |
| Capitol Brand All-In-One Egg-Maker..... | ..... | G. 17.00 | 3.00 | 7.00 |
| | 935 | F. 17.75 | 3.50 | 4.76 |
| Capitol Brand All-In-One Starter.... | ..... | G. 18.00 | 3.25 | 5.00 |
| Capitol Brand Battery Mash..... | ..... | G. 18.50 | 4.00 | 6.50 |
| | 696 | F. 22.19 | 3.75 | 4.68 |
| Capitol Brand Breeder Mash or Pellets..... | ..... | G. 20.00 | 3.25 | 7.00 |
| | 1171 | F. 20.31 | 3.63 | 6.09 |
| Capitol Brand Broiler Mash or Pellets..... | ..... | G. 18.50 | 3.25 | 6.00 |
| | 933 | F. 19.88 | 3.76 | 5.44 |
| Capitol Brand Chick Grain..... | ..... | G. 10.00 | 2.50 | 5.00 |
| | 651 | F. 13.00 | 3.37 | 2.23 |
| Capitol Brand Dairy Feed..... | ..... | G. 20.00 | 3.50 | 7.00 |
| | 692 | F. 20.63 | 3.97 | 9.26 |
| Capitol Brand Developing Grain (canceled)..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 650 | F. 12.19 | 2.71 | 1.87 |
| Capitol Brand Growing Grain..... | ..... | G. 10.00 | 2.50 | 3.00 |
| Capitol Brand Growing Mash or Pellets..... | ..... | G. 17.50 | 3.25 | 6.00 |
| | 653 | F. 20.44 | 3.88 | 6.41 |
| | 936 | F. 19.69 | 3.43 | 6.48 |
| Capitol Brand Laying Mash or Pellets..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 652 | F. 23.31 | 4.02 | 6.26 |
| Capitol Brand Molasses Dairy Feed.. | ..... | G. 18.00 | 3.50 | 7.00 |
| | 691 | F. 18.81 | 3.89 | 7.85 |
| Capitol Brand Pan-A-Min Growing Mash or Pellets..... | ..... | G. 17.50 | 3.25 | 6.00 |
| | 937 | F. 19.44 | 3.74 | 6.63 |
| Capitol Brand Pan-A-Min Laying Mash or Pellets..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 697 | F. 22.88 | 3.62 | 5.85 |
| Capitol Brand Pigeon Feed..... | ..... | G. 10.00 | 2.00 | 5.00 |
| | 687 | F. 14.31 | 3.62 | 3.16 |
| Capitol Brand Scratch Grain..... | ..... | G. 10.00 | 2.50 | 4.00 |
| | 688 | F. 12.06 | 2.83 | 2.40 |
| Capitol Brand Special Dairy Sweet Feed..... | ..... | G. 15.00 | 2.50 | 9.00 |
| | 693 | F. 17.12 | 2.64 | 15.11 |
| Capitol Brand Starting Mash or Pellets..... | ..... | G. 18.50 | 3.25 | 5.00 |
| | 649 | F. 23.44 | 4.11 | 4.54 |
| Capitol Brand Thorobred Horse Feed..... | ..... | G. 12.00 | 3.00 | 8.00 |
| | 694 | F. 14.00 | 3.53 | 6.87 |
| Capitol Brand Turkey Breeder Mash | ..... | G. 22.00 | 4.75 | 6.50 |
| Capitol Brand Turkey Growing Mash..... | ..... | G. 23.50 | 4.75 | 6.50 |
| | 938 | F. 25.95 | 4.36 | 6.41 |

TABLE 4.—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 Maturing & Finishing Mash..... | ..... | G. 21.50 | 4.50 | 6.50 |
| | 1172 | F. 24.63 | 4.08 | 5.13 |
| Capitol Brand Turkey Poult Starter Mash..... | ..... | G. 24.50 | 5.00 | 6.00 |
| | 695 | F. 25.69 | 3.76 | 4.63 |
| | 939 | F. 23.69 | 4.73 | 5.46 |
| Economy Brand Egg Mash..... | ..... | G. 20.00 | 3.50 | 5.50 |
| | 940 | F. 18.44 | 4.06 | 6.00 |
| Economy Brand Hen Scratch..... | ..... | G. 10.00 | 2.50 | 4.00 |
| | 690 | F. 11.38 | 2.67 | 2.06 |
| Ground Beet Seed Screenings..... | ..... | G. 10.00 | 1.75 | 25.00 |
| | 842 | F. 8.50 | 2.17 | 24.19 |
| Ground Grain Screenings with 18% Molasses..... | ..... | G. 9.00 | 1.30 | 15.00 |
| | 689 | F. 9.69 | 1.84 | 14.48 |
| Molasses Beet Feed..... | ..... | G. 7.50 | 1.00 | 25.00 |
| Carey Salt Company, Hutchinson, Kansas | | | | |
| Carey's Monocalcium Phosphate Salt (see Table 3)..... | ..... | ..... | ..... | ..... |
| S. A. Clyde, Phoenix, Arizona | | | | |
| Clyde's Bread Meal..... | ..... | G. 10.00 | 1.50 | 2.00 |
| Colloidal Products of America, Inc., Orlando, Florida | | | | |
| Animal Mineral Colloids (see Table 3)..... | ..... | ..... | ..... | ..... |
| Poultry Mineral Colloids (see Table 3)..... | ..... | ..... | ..... | ..... |
| Community Milling Company, El Paso, Texas | | | | |
| C.M.C. Hen Feed..... | ..... | G. 10.00 | 3.00 | 3.50 |
| | 990 | F. 12.06 | 2.17 | 1.89 |
| Community Dairy Feed..... | ..... | G. 15.00 | 3.80 | 8.20 |
| | 987 | F. 17.63 | 5.26 | 8.48 |
| Victory Laying Mash with Charcoal..... | ..... | G. 18.00 | 4.00 | 7.00 |
| | 673 | F. 21.31 | 5.65 | 6.17 |
| Victory Scratch Feed..... | ..... | G. 10.50 | 2.60 | 4.00 |
| | 988 | F. 13.69 | 2.84 | 2.60 |
| Wheat Bran Screenings..... | ..... | G. 14.50 | 3.00 | 10.00 |
| | 636 | F. 17.44 | 3.70 | 10.54 |
| Wheat Gray Shorts..... | ..... | G. 16.00 | 3.50 | 5.00 |
| | 647 | F. 19.12 | 2.58 | 3.61 |
| Wheat Mixed Feed..... | ..... | G. 16.00 | 3.50 | 8.50 |
| | 654 | F. 18.19 | 4.24 | 8.73 |
| The G. E. Conkey Company, Cleveland, Ohio | | | | |
| Conkey's Y-O..... | ..... | G. 30.00 | 10.00 | 6.00 |
| | 1104 | F. 36.00 | 10.49 | 5.89 |
| Consolidated Chemical Industries, Inc., San Francisco, California | | | | |
| Digesta-Bone (see Table 3)..... | ..... | ..... | ..... | ..... |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------|-------|
| P. E. Cook Seed Store, Calexico, California | | | | |
| 40% Protein Cottonseed Cake-Meal (see Table 2)..... | ..... | ..... | ..... | ..... |
| Mexicali Bran..... | ..... | G. 11.80 | 4.10 | 6.90 |
| Cottonwood Fuel & Feed Company, Cottonwood, Arizona | | | | |
| Yavapai Scratch Feed..... | ..... | G. 9.00 | 2.00 | 3.00 |
| | 828 | F. 12.31 | 2.68 | 2.56 |
| Creek's Fuel & Feed Company, Lowell, Arizona | | | | |
| Creek's Dairy Ration..... | ..... | G. 20.00 | 4.00 | 9.00 |
| | 677 | F. 24.13 | 4.95 | 9.01 |
| Creek's Mexican Bran..... | ..... | G. 15.50 | 2.50 | 8.00 |
| | 1100 | F. 16.13 | 4.96 | 7.86 |
| Creek's Scratch Grain..... | ..... | G. 9.00 | 1.50 | 3.00 |
| | 676 | F. 12.44 | 2.71 | 2.75 |
| Davies Fuel & Feed Company, Douglas, Arizona | | | | |
| Davies Laying Mash..... | ..... | G. 19.00 | 3.25 | 7.00 |
| | 645 | F. 22.62 | 4.60 | 6.22 |
| Davies Mexican Bran..... | ..... | G. 16.00 | 3.00 | 3.50 |
| Davies Special Scratch Feed..... | ..... | G. 10.00 | 2.50 | 4.00 |
| | 646 | F. 11.62 | 2.95 | 2.52 |
| Dawe's Vitamelk Company, Chicago, Illinois | | | | |
| Dawe's Vitamelk Base..... | ..... | G. 21.00 | 4.50 | 5.00 |
| Denver Alfalfa Milling & Products Co., Lamar, Colorado | | | | |
| Alfalfa Leaf Meal..... | ..... | G. 20.00 | 2.50 | 18.00 |
| | 1129 | F. 18.94 | 2.30 | 15.64 |
| Dodge City Flour Mills, Dodge City, Kansas | | | | |
| Wheat Bran and Ground Wheat Screenings..... | ..... | G. 14.50 | 3.50 | 11.00 |
| | 811 | F. 18.13 | 4.10 | 8.85 |
| Douglas Public Market, Douglas, Arizona | | | | |
| DPM Mexican Wheat Bran..... | ..... | G. 14.00 | 3.00 | 10.00 |
| Eagle Flour Mills, Denver, Colorado | | | | |
| Blended White Shorts..... | ..... | G. 14.00 | 2.50 | 4.50 |
| | 668 | F. 18.69 | 2.43 | 2.70 |
| Pure Gold Lay Mash..... | ..... | G. 19.00 | 5.00 | 8.00 |
| Pure Gold Scratch Grains..... | ..... | G. 10.00 | 3.00 | 5.00 |
| | 659 | F. 13.63 | 2.78 | 2.61 |
| Wheat Bran and Screenings..... | ..... | G. 14.50 | 3.50 | 10.00 |
| | 816 | F. 19.25 | 5.05 | 8.94 |
| Wheat Grey Shorts..... | ..... | G. 16.00 | 3.50 | 6.00 |
| | 1094 | F. 19.19 | 4.68 | 5.37 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|--------------|----------------------|--------------|---------------------|
| Wheat Mixed Feed & Screenings.... | 986 | G. 15.50 F. 15.81 | 4.00 4.05 | 8.50 8.86 |
| Economy Hog & Cattle Powder Company, San Francisco, Calif. | | | | |
| Economy Mineral Compound (see Table 3)..... | ..... | ..... | ..... | ..... |
| Economy Super Mineral for Dairy Cows & Calves (see Table 3).... | ..... | ..... | ..... | ..... |
| Economy Super Mineral for Poultry (see Table 3)..... | ..... | ..... | ..... | ..... |
| Economy Super Mineral for Sheep (see Table 3)..... | ..... | ..... | ..... | ..... |
| Falvey's Feed and Supply Company, Tucson, Arizona | | | | |
| Falvey's Scratch..... | ..... | G. 9.50 | 2.00 | 3.00 |
| Falvey's Special Pigeon Feed..... | ..... | G. 11.00 | 2.00 | 3.50 |
| | 1000 | F. 13.56 | 2.03 | 2.58 |
| Falvey's Special Scratch..... | ..... | G. 9.50 | 2.00 | 3.50 |
| | 999 | F. 12.00 | 2.20 | 2.11 |
| Farmers Cooperative Oil Mill, El Paso, Texas | | | | |
| 43% Protein Cottonseed Cake, Meal, or Pellets, Prime Quality (see Table 2)..... | ..... | ..... | ..... | ..... |
| Farmers Seed and Feed Association, Phoenix, Arizona | | | | |
| Farmers Calf Meal..... | ..... | G. 15.00 | 3.50 | 5.00 |
| | 1035 | F. 18.69 | 4.75 | 3.81 |
| Farmers Chick Grain..... | ..... | G. 10.00 | 2.50 | 3.50 |
| | 1040 | F. 12.13 | 2.02 | 1.54 |
| Farmers Chick Mash..... | ..... | G. 18.00 | 3.00 | 4.50 |
| | 1036 | F. 20.06 | 3.46 | 3.02 |
| Farmers Corn Scratch..... | ..... | G. 10.00 | 2.00 | 4.00 |
| | 641 | F. 14.19 | 2.66 | 2.34 |
| Farmers Developing Scratch..... | ..... | G. 10.00 | 3.00 | 4.00 |
| Farmers Growing Mash..... | ..... | G. 15.00 | 3.00 | 5.00 |
| | 1037 | F. 17.38 | 3.00 | 4.00 |
| Farmers Laying Mash..... | ..... | G. 20.00 | 3.00 | 7.00 |
| | 1038 | F. 21.69 | 3.78 | 3.76 |
| Farmers Pigeon Scratch..... | ..... | G. 11.00 | 3.50 | 4.00 |
| | 644 | F. 13.56 | 2.66 | 2.30 |
| Farmers Regular Dairy..... | ..... | G. 17.00 | 3.50 | 9.00 |
| | 643 | F. 19.38 | 3.37 | 7.58 |
| Farmers Special Dairy Feed..... | ..... | G. 16.00 | 3.00 | 10.00 |
| | 642 | F. 20.38 | 4.51 | 10.25 |
| Fattening Mash..... | ..... | G. 15.00 | 2.50 | 7.00 |
| | 1039 | F. 16.31 | 2.70 | 3.94 |
| Farmers Warehouse Company, Willcox, Arizona | | | | |
| Scratch Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 984 | F. 13.38 | 2.41 | 2.25 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|---------------|----------------------|--------------|-----------------------|
| Willcox Dairy Feed..... | 985 | G. 21.00 F. 22.75 | 3.50 4.53 | 9.00 6.68 |
| Fernando Valley Milling & Supply Co., Van Nuys, Calif. Alfalfa Leaf Meal..... | 701 | G. 20.00 F. 21.56 | 2.50 2.98 | 18.00 19.04 |
| Forman & Sons, Yuma, Arizona Forman's Mexican Bran | 1139 | G. 14.00 F. 14.13 | 3.00 3.57 | 10.00 6.29 |
| General Mills, Inc., Western Division, Sperry Flour Company, San Francisco, California Chick Scratch..... | ..... | G. 9.50 | 2.00 | 2.50 |
| 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 |
| 40% Milk Mash for Chick & Growing Stock..... | ..... | G. 20.00 | 2.50 | 3.50 |
| Ground Screenings..... | ..... | G. 6.00 | 2.00 | 20.00 |
| Life Cycle Mash or Pellets..... | ..... | G. 16.50 | 3.50 | 8.00 |
| Olympic Chick Scratch..... | ..... | G. 10.00 | 2.00 | 2.50 |
| Olympic Dairy 17½..... | 980 | F. 10.88 | 1.61 | 1.76 |
| Olympic Dairy 20..... | ..... | G. 17.50 | 4.00 | 10.75 |
| Olympic Egg Mash..... | ..... | G. 20.00 | 3.75 | 10.00 |
| Olympic Pigeon Feed..... | 582 | G. 20.00 | 4.00 | 8.00 |
| Olympic Pullet Scratch..... | ..... | F. 22.38 | 4.41 | 7.36 |
| Olympic Rabbit Pellets..... | 1070 | G. 12.00 | 2.00 | 2.50 |
| Olympic Rabbit Pellets without Alfalfa Meal..... | ..... | G. 10.00 | 2.00 | 2.50 |
| Pigeon Feed..... | 912 | F. 10.75 | 2.65 | 1.77 |
| Pullet Scratch..... | ..... | G. 15.00 | 2.50 | 17.00 |
| Scratch..... | 913 | F. 15.50 | 3.10 | 16.88 |
| Sperry Horse Feed..... | ..... | G. 14.50 | 3.50 | 8.50 |
| Sperry Special Laying Mash..... | ..... | G. 11.50 | 2.00 | 3.50 |
| Sperry Special Scratch..... | 1071 | F. 12.44 | 2.61 | 2.28 |
| SureBroiler..... | ..... | G. 9.50 | 2.00 | 2.50 |
| SureBuild..... | ..... | G. 9.50 | 2.00 | 2.50 |
| SureCalf..... | 1075 | F. 11.00 | 4.26 | 1.93 |
| SureGrow..... | ..... | G. 9.50 | 4.00 | 9.50 |
| | 579 | F. 11.44 | 4.16 | 7.53 |
|  | ..... | G. 18.00 | 3.75 | 9.50 |
| | 1072 | F. 19.25 | 3.83 | 8.77 |
|  | ..... | G. 8.00 | 2.00 | 4.00 |
| | 1073 | F. 10.88 | 3.47 | 2.00 |
|  | ..... | G. 18.00 | 4.00 | 6.50 |
| | 1075 | F. 18.50 | 4.59 | 5.15 |
|  | ..... | G. 19.00 | 4.00 | 7.00 |
| | 981 | F. 20.50 | 4.64 | 5.93 |
|  | ..... | G. 23.00 | 4.00 | 4.00 |
| | 1140 | F. 27.38 | 3.80 | 3.30 |
|  | ..... | G. 16.00 | 3.75 | 8.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|------|-------|
| SureHatch Breeder Mash..... | ..... | G. 20.00 | 4.00 | 7.50 |
| SureLay..... | ..... | G. 20.00 | 4.00 | 7.00 |
| | 911 | F. 21.75 | 5.02 | 7.24 |
| New registration..... | ..... | G. 20.00 | 4.00 | 7.50 |
| SureLay with 2% Tobacco Dust..... | ..... | G. 20.00 | 4.00 | 7.50 |
| SureLive Baby Chick Mash..... | ..... | G. 16.50 | 4.25 | 7.00 |
| | 982 | F. 18.75 | 4.48 | 6.22 |
| SureMilk 14..... | ..... | G. 14.00 | 3.25 | 10.00 |
| SureMilk 16..... | ..... | G. 16.00 | 3.25 | 10.00 |
| | 580 | F. 17.94 | 3.67 | 8.42 |
| SureMilk 18..... | ..... | G. 18.00 | 3.50 | 10.25 |
| SureMilk 20..... | ..... | G. 20.00 | 4.00 | 9.50 |
| SureMilk 24..... | ..... | G. 24.00 | 4.50 | 9.00 |
| | 592 | F. 27.06 | 4.69 | 8.54 |
| New registration..... | ..... | G. 24.00 | 4.50 | 9.25 |
| | 846 | F. 24.81 | 9.58 | 9.33 |
| SureMilk 32..... | ..... | G. 32.00 | 4.00 | 10.00 |
| SureRabbit..... | ..... | G. 14.00 | 3.50 | 9.00 |
| | 1074 | F. 15.50 | 4.19 | 8.08 |
| SureRabbit Green Pellets..... | ..... | G. 15.00 | 2.50 | 18.00 |
| SureRabbit Pelleted..... | ..... | G. 14.00 | 3.50 | 9.00 |
| SureTurk Builder..... | ..... | G. 24.00 | 4.50 | 6.50 |
| | 983 | F. 25.94 | 5.10 | 5.88 |
| SureTurk Finisher..... | ..... | G. 19.00 | 3.50 | 7.00 |
| | 578 | F. 21.12 | 4.82 | 6.14 |
| Wheat Bran..... | ..... | G. 12.00 | 3.00 | 10.00 |
| Wheat Mixed Feed with Ground Screenings not exceed- ing run of mill..... | ..... | G. 13.00 | 3.00 | 9.00 |
| | 620 | F. 18.87 | 4.46 | 8.81 |
| Wheat Shorts with Ground Screenings not exceed- ing run of mill..... | ..... | G. 14.00 | 3.00 | 7.00 |
| | 812 | F. 19.63 | 4.77 | 7.40 |
| Globe Grain & Milling Company, Los Angeles, California | | | | |
| “A1” Special Hog Ration..... | ..... | G. 19.00 | 5.00 | 8.00 |
| Blended Wheat Mixed Feed..... | ..... | G. 15.00 | 3.00 | 9.00 |
| | 661 | F. 19.69 | 3.96 | 7.96 |
| 25% Daisy Dairy Concentrate..... | ..... | G. 25.00 | 5.00 | 10.00 |
| 20% Daisy Dairy Feed..... | ..... | G. 20.00 | 4.00 | 11.00 |
| 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 |
| 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 |
| Globe A-1 Complete Baby Chick Starter..... | ..... | G. 16.00 | 4.00 | 6.00 |
| | 887 | F. 18.94 | 4.95 | 6.34 |
| Globe A-1 Complete Growing Feed (pellets)..... | ..... | G. 15.00 | 4.00 | 7.00 |
| | 888 | F. 18.63 | 4.78 | 6.82 |
| Globe A-1 Complete Laying Feed (pellets)..... | ..... | G. 17.00 | 4.00 | 7.00 |
| | 889 | F. 18.50 | 4.44 | 6.52 |
| Globe A-1 Crate Fattener..... | ..... | G. 14.00 | 4.00 | 4.00 |

TABLE 4.—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 Dairy Feed..... | ..... | G. 16.00 | 4.00 | 12.00 |
| Globe A-1 Finishing Dry | ..... | G. 17.00 | 5.00 | 7.50 |
| Fattening Mash..... | 890 | F. 21.25 | 5.99 | 6.59 |
| 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 |
| ..... | 718 | F. 21.31 | 4.53 | 6.99 |
| Globe A-1 Growing Chick Scratch | ..... | G. 10.00 | 2.50 | 3.00 |
| ..... | 720 | F. 10.75 | 2.08 | 1.71 |
| Globe A-1 Hog Concentrate..... | ..... | G. 40.00 | 5.00 | 5.00 |
| Globe A-1 Laying Mash..... | ..... | G. 20.00 | 4.00 | 7.00 |
| ..... | 719 | F. 22.63 | 4.59 | 6.78 |
| 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 |
| Globe A-1 Pigeon Feed..... | ..... | G. 12.00 | 4.50 | 4.00 |
| ..... | 891 | F. 13.63 | 2.59 | 2.64 |
| Globe A-1 Poultry Concentrate..... | ..... | G. 40.00 | 6.00 | 6.00 |
| Globe A-1 Pullet Developer..... | ..... | G. 16.00 | 4.00 | 8.00 |
| Globe A-1 Rabbit Grain-etts..... | ..... | G. 15.00 | 4.00 | 8.00 |
| ..... | 663 | F. 19.00 | 3.97 | 7.47 |
| Globe A-1 Scratch..... | ..... | G. 10.00 | 2.50 | 4.00 |
| ..... | 662 | F. 11.63 | 2.35 | 2.13 |
| Globe A-1 Start to Finish Mash..... | ..... | G. 20.00 | 4.00 | 6.50 |
| 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 |
| ..... | 892 | F. 22.13 | 4.68 | 7.97 |
| Globe A-1 Turkey Starter..... | ..... | G. 18.00 | 4.50 | 8.00 |
| ..... | 893 | F. 21.75 | 4.94 | 7.20 |
| 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 |
| ..... | 894 | F. 17.13 | 3.10 | 15.24 |
| Globe A-1 Worm Control Mash..... | ..... | G. 16.00 | 3.00 | 7.00 |
| Globe IXL Scratch..... | ..... | G. 9.00 | 2.50 | 4.00 |
| IXL Laying Mash..... | ..... | G. 19.00 | 4.00 | 8.50 |
| ..... | 717 | F. 21.81 | 4.61 | 8.47 |
| Utility Egg Mash..... | ..... | G. 17.00 | 3.00 | 8.50 |
| Utility Scratch Feed..... | ..... | G. 9.00 | 2.50 | 4.00 |
| ..... | 895 | F. 11.00 | 2.72 | 1.96 |
| White Wheat Mixed Feed..... | ..... | G. 12.00 | 3.00 | 10.00 |
| ..... | 660 | F. 16.31 | 3.55 | 8.71 |
| Globe Mills, Incorporated | | | | |
| (formerly Globe Fico Co.), | | | | |
| El Paso, Texas | | | | |
| Finely Ground Corn Chops..... | ..... | G. 9.00 | 4.00 | 3.00 |
| Globe Fico Laying Mash with | ..... | ..... | ..... | ..... |
| Alfalfa Meal and Charcoal..... | ..... | G. 18.00 | 3.60 | 7.00 |
| Globe Mills Bran, | ..... | ..... | ..... | ..... |
| Shorts & Screenings..... | ..... | G. 14.00 | 3.80 | 7.10 |
| Globe Mills Peerless Brand | ..... | ..... | ..... | ..... |
| Hen Feed..... | ..... | G. 9.80 | 2.80 | 3.20 |
| Sifted Corn Chops..... | ..... | G. 8.00 | 3.00 | 3.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|-------------|-------------|
| Wheat Bran & Screenings..... | ..... | G. 14.50 | 3.00 | 10.00 |
| | 1092 | F. 18.00 | 4.24 | 7.84 |
| Wheat Gray Shorts..... | ..... | G. 17.00 | 4.00 | 6.00 |
| | 648 | F. 20.12 | 4.04 | 4.93 |
| | 675 | F. 20.56 | 3.38 | 4.46 |
| Gold Spot Hatchery, Phoenix, Ariz. | | | | |
| Gold Spot All In One Laying Pellets | ..... | G. 16.00 | 3.00 | 4.00 |
| | 724 | F. 17.31 | 4.36 | 5.15 |
| New registration..... | ..... | G. 16.00 | 3.00 | 5.50 |
| Gold Spot Baby Chick Mash..... | ..... | G. 18.75 | 4.00 | 3.50 |
| | 725 | F. 20.63 | 5.22 | 5.05 |
| New registration..... | ..... | G. 18.75 | 4.00 | 5.50 |
| Gold Spot Baby Chick Scratch..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 726 | F. 12.75 | 2.66 | 2.07 |
| Gold Spot Broiler Mash..... | ..... | G. 19.50 | 4.00 | 5.50 |
| | 639 | F. 20.38 | 5.51 | 5.57 |
| New registration..... | ..... | G. 19.50 | 4.00 | 6.00 |
| Gold Spot Coxol Mash..... | ..... | G. 18.00 | 8.00 | 5.00 |
| | 727 | F. 19.50 | 8.40 | 4.67 |
| Gold Spot Dairy Feed..... | ..... | G. 17.00 | 3.00 | 8.75 |
| | 728 | F. 17.88 | 3.30 | 7.25 |
| Gold Spot Developing Mash..... | ..... | G. 17.00 | 3.00 | 6.50 |
| | 729 | F. 18.13 | 4.62 | 5.00 |
| Gold Spot Fattening Mash..... | ..... | G. 15.00 | 3.50 | 3.50 |
| | 730 | F. 15.81 | 3.74 | 2.31 |
| Gold Spot Hen Scratch..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 731 | F. 11.25 | 2.83 | 2.15 |
| Gold Spot Laying Mash..... | ..... | G. 21.00 | 4.00 | 5.00 |
| | 732 | F. 22.00 | 4.75 | 4.75 |
| New registration..... | ..... | G. 21.00 | 4.00 | 5.50 |
| Golden State Company, Ltd., El Centro, California | | | | |
| Powdered Skim Milk for Animal Feeding Purposes..... | ..... | G. 33.00 | 0.60 | 0.10 |
| | 614 | F. 37.06 | 0.10 | ..... |
| Graden Flour Mills, Durango, Colo. | | | | |
| Graden's Best Wheat Mixed Feed & Screenings..... | ..... | G. 14.00 | 3.00 | 8.50 |
| | 1080 | F. 16.00 | 4.72 | 8.19 |
| Vitamelk Laying Mash..... | ..... | G. 19.00 | 3.50 | 8.00 |
| | 751 | F. 21.75 | 4.30 | 7.37 |
| Haynie's Feed Store, Douglas, Ariz. | | | | |
| Haynie's Mexico Wheat Bran..... | ..... | G. 14.00 | 3.00 | 10.00 |
| | 656 | F. 18.81 | 3.87 | 7.91 |
| Plain Bag Scratch Feed..... | ..... | G. 10.00 | 2.00 | 3.00 |
| | 655 | F. 12.63 | 2.78 | 2.36 |
| Dr. Hess & Clark, Inc., Ashland, Ohio | | | | |
| Dr. Hess Hog Special (see Table 3) | ..... | ..... | ..... | ..... |
| Dr. Hess Poultry Pan-A-Min (see Table 3)..... | ..... | ..... | ..... | ..... |
| Dr. Hess Stock Tonic (see Table 3) | ..... | ..... | ..... | ..... |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|-------|-------|
| Hungarian Flour Mills, Denver, Colorado | | | | |
| Economy Chick Grains..... | ..... | G. 10.00 | 3.00 | 4.00 |
| | 577 | F. 12.87 | 2.37 | 2.74 |
| 25% Pork Producer..... | ..... | G. 25.00 | 4.00 | 7.00 |
| | 765 | F. 30.44 | 5.57 | 4.84 |
| Poult Starting Mash..... | ..... | G. 25.00 | 4.00 | 6.00 |
| | 757 | F. 26.63 | 4.99 | 4.68 |
| Producer All Mash Chick Starter..... | ..... | G. 18.00 | 4.00 | 6.00 |
| Producer Broiler Ration..... | ..... | G. 18.00 | 4.00 | 8.00 |
| | 755 | F. 19.38 | 3.98 | 5.20 |
| Producer Chick Grains..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 762 | F. 13.19 | 2.46 | 2.17 |
| Producer Chick Starter..... | ..... | G. 18.00 | 4.00 | 6.00 |
| | 761 | F. 18.75 | 4.17 | 4.32 |
| Producer Developer Grains..... | ..... | G. 10.00 | 2.50 | 3.00 |
| Producer Grow Mash with Cod Liver Oil..... | ..... | G. 16.00 | 4.00 | 7.00 |
| | 760 | F. 17.75 | 4.52 | 4.38 |
| Producer Hen Scratch..... | ..... | G. 11.00 | 2.50 | 3.00 |
| | 759 | F. 13.38 | 2.96 | 2.55 |
| Producer Pullet Ration..... | ..... | G. 16.00 | 4.00 | 8.00 |
| | 756 | F. 19.13 | 4.38 | 5.46 |
| Producer Quality Lay Mash..... | ..... | G. 19.00 | 4.00 | 8.00 |
| | 758 | F. 21.13 | 4.25 | 4.92 |
| Producer Sun Life Growing Mash | ..... | G. 15.00 | 3.50 | 7.00 |
| Red Wheat Mixed Feed & Ground Wheat Screenings..... | ..... | G. 16.00 | 3.50 | 8.50 |
| | 1084 | F. 16.75 | 3.67 | 6.61 |
| Screened Cracked Yellow Corn..... | ..... | G. 8.00 | 3.50 | 3.00 |
| Standard Bran..... | ..... | G. 16.00 | 3.50 | 11.00 |
| | 763 | F. 19.31 | 4.31 | 7.87 |
| Wheat Gray Shorts..... | ..... | G. 16.00 | 3.50 | 6.00 |
| | 764 | F. 18.50 | 4.52 | 4.70 |
| White Wheat Mixed Feed and Ground Wheat Screenings..... | ..... | G. 14.50 | 3.00 | 8.50 |
| Hurley's Wholesale Meat Company, Phoenix, Arizona | | | | |
| Hurley's Meat Scrap Meal..... | ..... | G. 50.00 | 7.00 | 2.50 |
| | 808 | F. 55.88 | 11.07 | 1.17 |
| | 1174 | F. 51.94 | 11.50 | 1.64 |
| Independent Fuel & Feed Company, Bisbee, Arizona | | | | |
| Independent Scratch Feed..... | ..... | G. 9.00 | 2.50 | 3.50 |
| | 679 | F. 12.56 | 2.72 | 2.56 |
| Interstate Cotton Oil Company, Los Angeles, California | | | | |
| Paymaster Brand 40% Protein Cottonseed Cake-Meal, Prime Quality (see Table 2)..... | ..... | ..... | ..... | ..... |
| Interstate Farmers, Inc., Duncan, Arizona | | | | |
| Diamond Star Grow Mash..... | ..... | G. 16.00 | 3.50 | 5.50 |

TABLE 4.—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 |
| | 992 | F. 20.69 | 4.14 | 5.19 |
| Diamond Star Scratch Feed..... | ..... | G. 11.00 | 3.00 | 4.00 |
| | 991 | F. 13.31 | 2.17 | 2.55 |
| Jacobs Fuel & Feed Company, Tucson, Arizona | | | | |
| Circle J Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 1127 | F. 12.44 | 1.70 | 2.48 |
| 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 Co., Inc., Mesa, Arizona | | | | |
| Conference All-In-One Growing Mash..... | ..... | G. 14.00 | 6.00 | 8.00 |
| | 798 | F. 14.25 | 3.33 | 4.36 |
| Conference All-In-One Laying Mash..... | ..... | G. 16.00 | 3.00 | 3.00 |
| | 799 | F. 16.06 | 3.48 | 2.97 |
| 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 |
| | 801 | F. 18.63 | 4.04 | 3.25 |
| Perfecto Brand Chick Scratch..... | ..... | G. 10.00 | 3.00 | 3.00 |
| | 806 | F. 12.69 | 3.38 | 1.56 |
| | 1147 | F. 12.25 | 3.06 | 2.58 |
| Perfecto Brand Fattening Mash..... | ..... | G. 13.00 | 4.00 | 5.00 |
| | 797 | F. 13.25 | 3.85 | 3.48 |
| Perfecto Brand Hen Scratch Feed.... | ..... | G. 10.00 | 3.00 | 3.00 |
| | 800 | F. 11.25 | 2.58 | 1.86 |
| Perfecto Dairy Feed with Molasses | ..... | G. 14.00 | 3.00 | 6.00 |
| | 805 | F. 14.63 | 3.09 | 4.64 |
| Perfecto Egg Mash..... | ..... | G. 18.00 | 4.00 | 6.00 |
| | 804 | F. 17.19 | 4.37 | 4.70 |
| Perfecto Pan-A-Min Laying Mash | ..... | G. 19.00 | 4.00 | 7.00 |
| | 807 | F. 18.00 | 3.68 | 4.42 |
| Perfecto Pan-A-Min Starting and Growing Mash..... | ..... | G. 18.00 | 4.00 | 5.50 |
| | 803 | F. 16.44 | 3.58 | 3.92 |
| Perfecto Special 16% Dairy Feed.... | ..... | G. 16.00 | 4.00 | 8.50 |
| | 599 | F. 18.19 | 3.63 | 5.15 |
| Perfecto Special 40% Hog Supplement..... | ..... | G. 40.00 | 4.50 | 9.00 |
| | 598 | F. 47.62 | 7.04 | 6.20 |
| U. of A. Contest Laying Mash..... | ..... | G. 18.00 | 5.00 | 6.00 |
| | 802 | F. 22.38 | 4.89 | 5.72 |
| Kelco Company, San Diego, Calif. | | | | |
| Kelco-Meal..... | ..... | G. 3.00 | 0.10 | 10.00 |
| | 749 | F. 6.06 | 0.41 | 7.36 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------------------|--------------|----------------|
| Spencer Kellogg & Sons, Inc., Buffalo, New York | | | | |
| Kellogg's 32% Protein Old Process Linseed Meal..... | 905 | G. 32.00 F. 37.50 | 4.50 4.96 | 9.00 7.80 |
| Kellogg's 41% Protein Old Process Soybean Oil Meal..... | 904 | G. 41.00 F. 45.50 | 4.00 4.68 | 7.00 6.09 |
| Kellogg's Pure Old Process 19% Protein Copra Meal..... | 907 | G. 19.00 F. 22.00 | 5.00 5.16 | 11.00 13.33 |
| Kimbell-Diamond Milling Company, Sherman, Texas | | | | |
| Wheat Bran and Screenings..... | ..... | G. 16.00 | 3.50 | 10.00 |
| Lamar Flour Mills, Lamar, Colo. | | | | |
| Diamond M Chick Feed..... | ..... | G. 10.00 | 2.50 | 5.00 |
| Diamond M Lay Mash..... | ..... | G. 19.00 | 4.00 | 7.00 |
| Economy Egg Mash..... | ..... | G. 16.50 | 4.50 | 8.50 |
| Scratch Grains..... | 1130 | F. 17.50 | 4.26 | 6.54 |
| ..... | ..... | G. 10.00 | 2.50 | 5.00 |
| ..... | 576 | F. 12.69 | 2.56 | 2.00 |
| Wheat Bran and Screenings..... | ..... | G. 14.50 | 3.50 | 12.00 |
| ..... | 767 | F. 17.63 | 4.84 | 9.14 |
| Wheat Gray Shorts..... | ..... | G. 16.00 | 3.25 | 6.00 |
| ..... | 1082 | F. 17.00 | 3.65 | 4.13 |
| Wheat Mixed Feed & Screenings..... | ..... | G. 14.50 | 4.00 | 8.50 |
| ..... | 1081 | F. 17.88 | 4.22 | 7.83 |
| Larrowe Milling Company, Los Angeles, California | | | | |
| Molasses Dried Beet Pulp..... | ..... | G. 7.00 | 0.30 | 20.00 |
| ..... | 943 | F. 7.56 | 0.36 | 15.01 |
| Lowell Fuel & Feed Company, Lowell, Arizona | | | | |
| Balanced Cow Ration..... | ..... | G. 18.00 | 3.00 | 9.50 |
| ..... | 665 | F. 21.00 | 4.13 | 7.34 |
| No. 1 Laying Mash..... | ..... | G. 17.00 | 3.00 | 8.00 |
| ..... | 666 | F. 21.56 | 4.48 | 5.54 |
| No. 1 Scratch..... | ..... | G. 9.00 | 2.50 | 3.00 |
| ..... | 667 | F. 16.00 | 2.75 | 2.57 |
| New registration..... | ..... | G. 11.00 | 2.50 | 3.00 |
| McGaugh's Market, Cottonwood, Arizona | | | | |
| McGaugh's Dairy Feed..... | ..... | G. 18.00 | 3.00 | 13.00 |
| McGaugh's Scratch Feed..... | ..... | G. 10.00 | 2.00 | 4.00 |
| Meriden Creamery Company, Hutchinson, Kansas | | | | |
| Meriden Condensed Buttermilk..... | ..... | G. 10.00 | 2.00 | ..... |
| Julius Meyer, Casa Grande, Ariz. | | | | |
| Fat 'Em Up (see Table 3)..... | ..... | ..... | ..... | ..... |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------|-------|
| Middleton Feed & Seed Company, Tucson, Arizona | | | | |
| Harvest Brand Pigeon Feed..... | ..... | G. 11.00 | 2.00 | 4.00 |
| | 831 | F. 13.63 | 2.12 | 2.45 |
| Harvest Chick & Broiler Mash..... | ..... | G. 15.00 | 3.00 | 6.00 |
| | 832 | F. 17.44 | 3.87 | 5.63 |
| Harvest Chick Foundation Mash..... | ..... | G. 18.00 | 3.00 | 7.00 |
| | 833 | F. 22.00 | 5.18 | 4.66 |
| Harvest Dairy Ration..... | ..... | G. 16.00 | 2.50 | 12.50 |
| | 834 | F. 17.88 | 4.12 | 13.77 |
| | 1107 | F. 21.75 | 4.09 | 10.94 |
| Harvest Developing Grain..... | ..... | G. 9.00 | 2.00 | 5.00 |
| | 830 | F. 11.81 | 2.31 | 2.05 |
| Harvest Laying Mash..... | ..... | G. 20.50 | 4.00 | 7.00 |
| | 835 | F. 21.63 | 4.70 | 5.47 |
| Harvest Laying Mash Complete..... | ..... | G. 16.00 | 3.00 | 6.00 |
| | 591 | F. 20.94 | 4.77 | 4.96 |
| | 836 | F. 18.50 | 4.51 | 4.71 |
| | 838 | F. 19.25 | 5.78 | 4.03 |
| Harvest Laying Mash with Pan-A-Min..... | ..... | G. 20.50 | 4.00 | 7.00 |
| Scratch Feed..... | ..... | G. 20.88 | 4.82 | 4.47 |
| | 837 | F. 9.50 | 2.00 | 4.00 |
| | 839 | F. 12.75 | 2.52 | 2.17 |
| Miller Cereal Mills, Omaha, Nebraska | | | | |
| Bar-B-Kubes..... | ..... | G. 25.00 | 4.50 | 5.00 |
| 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 and Screenings..... | ..... | G. 14.50 | 4.00 | 10.00 |
| | 989 | F. 17.56 | 4.09 | 10.41 |
| Morton Salt Company, Chicago, Illinois | | | | |
| Morton Calcium Phosphate Salt (see Table 3)..... | ..... | ..... | ..... | ..... |
| Morton Iodized Salt (see Table 3).... | ..... | ..... | ..... | ..... |
| J. M. Munguia, Nogales, Arizona | | | | |
| Sonora Wheat Bran and Shorts..... | ..... | G. 15.00 | 3.00 | 9.00 |
| | 840 | F. 16.63 | 4.13 | 8.20 |
| Newsom's Feed Store, Tucson, Ariz. | | | | |
| Newsom's Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 1175 | F. 11.00 | 2.39 | 2.23 |
| Nogales Feed & Seed Company, Nogales, Arizona | | | | |
| N. F. & S. Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 683 | F. 11.25 | 2.83 | 2.22 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|-------|-------|
| 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 Company, Ltd., San Francisco, California | | | | |
| Hawaiian Cane Molasses (sugar content 48%)..... | ..... | G. 3.00 | ..... | ..... |
| Sugar content found: 50.7%..... | 1085 | F. 2.19 | ..... | ..... |
| Philip R. Park, Inc., San Pedro, Cal. | | | | |
| Cattle Manamar..... | ..... | G. 35.00 | 3.00 | 4.00 |
| ..... | 1115 | F. 35.63 | 2.28 | 3.67 |
| Manamar..... | ..... | G. 40.00 | 3.00 | 4.00 |
| ..... | 1114 | F. 42.00 | 3.21 | 2.67 |
| Mixing Manamar..... | ..... | G. 20.00 | 2.00 | 6.00 |
| ..... | 1030 | F. 24.13 | 1.80 | 4.54 |
| Paul Lime Plant, Paul Spur, Ariz. | | | | |
| Cal-Pho-Sal (see Table 3)..... | ..... | ..... | ..... | ..... |
| H. L. Paxton, Durango, Colorado | | | | |
| Wheat Bran..... | ..... | G. 13.00 | 3.00 | 12.00 |
| Wheat Shorts..... | ..... | G. 11.00 | 2.00 | 14.00 |
| Pecos Valley Alfalfa Mill Company, Hagerman, New Mexico | | | | |
| Alfalfa Meal..... | ..... | G. 13.00 | 1.50 | 33.00 |
| ..... | 783 | F. 13.19 | 1.94 | 36.72 |
| Alfalfa Stem Meal..... | ..... | G. 10.00 | 0.80 | 39.00 |
| ..... | 784 | F. 10.19 | 1.44 | 42.20 |
| Peevee Alfalfa Leaf Meal..... | ..... | G. 20.00 | 2.50 | 18.00 |
| ..... | 785 | F. 20.06 | 3.02 | 21.43 |
| Velvet Brand Alfalfa Meal..... | ..... | G. 17.00 | 1.50 | 27.00 |
| ..... | 786 | F. 18.31 | 2.70 | 26.26 |
| Pikes Peak Grain Company, Denver, Colorado | | | | |
| Hen Scratch..... | ..... | G. 10.00 | 2.00 | 5.00 |
| ..... | 896 | F. 13.63 | 2.56 | 2.59 |
| 20% Plain Laying Mash..... | ..... | G. 20.00 | 4.75 | 7.50 |
| ..... | 897 | F. 20.38 | 4.36 | 6.38 |

TABLE 4.—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 Flour Mills Company, Minneapolis, Minnesota | | | | |
| Feed 'Em Egg Mash..... | ..... | G. 18.00 | 4.00 | 8.00 |
| Plant Food Corporation, Los Angeles, California | | | | |
| 62% Protein Sardine Fish Meal..... | 613 | G. 62.00 F. 69.37 | 5.00 3.87 | 1.00 .62 |
| Pratt Feed & Supply Company, Phoenix, Arizona | | | | |
| Pratt All In One Lay Mash..... | ..... | G. 15.00 | 3.50 | 8.00 |
| | 781 | F. 21.19 | 4.72 | 4.82 |
| 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 |
| | 780 | F. 11.13 | 2.76 | 1.98 |
| 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..... | ..... | G. 18.00 | 3.50 | 8.00 |
| Prescott Feed & Seed Company, Prescott, Arizona | | | | |
| Dunbar's Special Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 813 | F. 11.88 | 2.60 | 2.42 |
| Dunbar's Special Scratch Feed— Chick..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 814 | F. 11.81 | 2.64 | 3.39 |
| Dunbar's Special Scratch Feed— Intermediate..... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 815 | F. 10.69 | 2.38 | 1.64 |
| Dunbar's Wheat and Maize..... | ..... | G. 9.00 | 2.00 | 4.00 |
| Producers Gin Company, Safford, Arizona | | | | |
| Cream of Safford Valley 43% Cottonseed Cake or Meal (see Table 2)..... | ..... | ..... | ..... | ..... |
| Pueblo Flour Mills, Pueblo, Colo. | | | | |
| Baby Chick Scratch Grains..... | ..... | G. 10.00 | 2.50 | 5.00 |
| Hen Scratch Grains..... | ..... | G. 10.00 | 2.50 | 5.00 |
| | 1128 | F. 14.19 | 1.94 | 3.37 |
| Wheat Bran..... | ..... | G. 14.00 | 3.00 | 11.00 |
| Wheat Grey Shorts..... | ..... | G. 15.00 | 3.50 | 6.50 |
| | 817 | F. 19.31 | 4.08 | 3.84 |
| Wheat Mixed Feed..... | ..... | G. 14.00 | 3.00 | 11.00 |
| | 1076 | F. 19.63 | 4.31 | 7.77 |
| The Quaker Oats Company, Chicago, Illinois | | | | |
| Aunt Jemima Wheat Gray Shorts & Ground Wheat Screenings..... | ..... | G. 16.00 | 4.00 | 6.00 |
| | 829 | F. 17.31 | 5.38 | 6.06 |
| Big Egg All Mash..... | ..... | G. 15.00 | 3.50 | 9.50 |
| Big Egg All Mash Starter—Grower.. | ..... | G. 16.00 | 4.50 | 8.00 |
| Big Egg Chick Starter—Growing Mash..... | ..... | G. 17.00 | 4.00 | 7.00 |
| Big Egg Laying Mash..... | ..... | G. 20.00 | 4.00 | 8.00 |
| | 766 | F. 20.13 | 4.92 | 6.93 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|------|-------|
| Big Egg Scratch Grains..... | ..... | G. 9.50 | 2.00 | 3.50 |
| | 819 | F. 12.13 | 3.40 | 3.25 |
| Early Bird Coarse Chick Feed..... | ..... | G. 9.50 | 2.00 | 3.50 |
| Early Bird Fine Chick Feed..... | ..... | G. 10.00 | 2.00 | 2.00 |
| Early Bird Scratch Grains..... | ..... | G. 9.50 | 2.00 | 3.50 |
| 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 |
| | 733 | F. 22.13 | 5.24 | 6.08 |
| Ful-O-Pep Chick Starter..... | ..... | G. 17.00 | 4.50 | 7.00 |
| | 734 | F. 21.56 | 5.48 | 5.74 |
| Ful-O-Pep Coarse Chick Feed..... | ..... | G. 10.00 | 2.00 | 2.50 |
| | 820 | F. 12.81 | 2.46 | 1.85 |
| 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 |
| | 821 | F. 21.50 | 6.40 | 6.29 |
| Ful-O-Pep Fine Chick Feed..... | ..... | G. 11.00 | 2.50 | 2.00 |
| Ful-O-Pep Growing Mash..... | ..... | G. 19.00 | 5.00 | 7.00 |
| Ful-O-Pep Laying Mash..... | ..... | G. 20.00 | 4.50 | 8.00 |
| Ful-O-Pep Scratch Grains..... | ..... | G. 9.00 | 2.00 | 3.00 |
| Horse Power Feed..... | ..... | G. 9.50 | 2.80 | 11.00 |
| North Star Oatmeal..... | ..... | G. 16.00 | 6.00 | 3.50 |
| New registration..... | ..... | 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 |
| Quaker 24% Protein Dairy Ration.. | ..... | G. 24.00 | 3.75 | 12.00 |
| | 818 | F. 27.38 | 4.36 | 11.80 |
| Quaker Sugared Schumacher Feed.. | ..... | G. 10.00 | 3.00 | 12.00 |
| Schumacher Calf Meal..... | ..... | G. 20.00 | 5.00 | 5.00 |
| | 822 | F. 22.19 | 6.47 | 4.56 |
| 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 |
| | 873 | F. 18.44 | 3.33 | 5.30 |
| Quick Brand All-In-One Fattening Mash..... | ..... | G. 15.00 | 3.00 | 5.50 |
| | 874 | F. 14.50 | 4.15 | 5.64 |
| Quick Brand All-In-One Growing Mash..... | ..... | G. 15.00 | 2.75 | 5.00 |
| | 875 | F. 16.38 | 3.26 | 4.91 |
| Quick Brand All-In-One Laying Mash..... | ..... | G. 16.50 | 2.50 | 6.00 |
| | 876 | F. 17.31 | 3.86 | 5.25 |
| Quick Brand Arizona Conference Chick Mash..... | ..... | G. 16.50 | 3.00 | 3.50 |
| | 877 | F. 18.25 | 4.55 | 3.14 |
| Quick Brand Arizona Conference Growing Mash..... | ..... | G. 14.50 | 2.50 | 3.50 |
| | 878 | F. 18.56 | 4.69 | 3.72 |
| Quick Brand Arizona Conference Laying Mash..... | ..... | G. 19.50 | 3.00 | 5.00 |
| | 879 | F. 19.50 | 4.20 | 4.62 |
| Quick Brand Calf Meal..... | ..... | G. 15.00 | 2.50 | 8.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|------|-------|
| Quick Brand Chick Grain..... | ..... | G. 11.50 | 1.50 | 3.00 |
| | 880 | F. 11.88 | 1.60 | 1.92 |
| Quick Brand Dairy Feed..... | ..... | G. 19.50 | 3.00 | 10.00 |
| | 881 | F. 21.88 | 3.70 | 8.59 |
| Quick Brand Developing Grain..... | ..... | G. 12.00 | 2.50 | 3.00 |
| | 883 | F. 11.88 | 2.16 | 1.59 |
| Quick Brand Molasses Dairy Feed.... | ..... | G. 13.50 | 2.00 | 8.00 |
| | 882 | F. 14.06 | 2.02 | 7.70 |
| Quick Brand Pigeon Grain..... | ..... | G. 13.00 | 4.25 | 3.50 |
| | 884 | F. 12.38 | 2.50 | 2.26 |
| Quick Brand Scratch Grain..... | ..... | G. 10.50 | 2.00 | 2.00 |
| | 885 | F. 12.50 | 2.48 | 1.96 |
| Quick Brand Special Dairy Feed..... | ..... | G. 14.50 | 2.00 | 10.00 |
| | 886 | F. 17.00 | 4.10 | 7.38 |
| Ralston Purina Company, | | | | |
| St. Louis, Missouri | | | | |
| Chowmix Chick Growing Mash..... | ..... | G. 17.00 | 3.00 | 8.50 |
| Chowmix Chick Growing Mash "B" | ..... | G. 17.00 | 3.00 | 8.50 |
| | 773 | F. 18.63 | 4.15 | 6.24 |
| 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 |
| | 779 | F. 17.25 | 3.62 | 5.33 |
| Chowmix Hog Feed..... | ..... | G. 14.00 | 2.50 | 9.00 |
| Chowmix Hog Feed "B"..... | ..... | G. 14.00 | 2.50 | 9.00 |
| Chowmix Laying Mash..... | ..... | G. 20.00 | 3.50 | 8.50 |
| Chowmix Laying Mash "B"..... | ..... | G. 20.00 | 3.50 | 8.50 |
| | 772 | F. 20.56 | 4.45 | 7.09 |
| 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 |
| Purina Broiler Chow..... | ..... | G. 18.00 | 3.50 | 7.00 |
| | 670 | F. 22.88 | 4.67 | 5.33 |
| 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 |
| | 1103 | F. 14.06 | 4.69 | 5.78 |
| New registration..... | ..... | G. 10.00 | 3.00 | 11.00 |
| Purina Calf Starting Chow..... | ..... | G. 27.00 | 3.20 | 5.00 |
| New registration..... | ..... | G. 27.00 | 3.00 | 5.00 |
| Purina Calf Startena..... | ..... | G. 19.50 | 3.00 | 9.50 |
| | 1096 | F. 20.50 | 3.04 | 9.43 |
| 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 |

TABLE 4.—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 Chick Chow (coarse) (Denver mill)..... | ..... | G. 9.00 | 2.00 | 4.00 |
| Purina Chick Chow (fine)..... | ..... | G. 10.00 | 2.00 | 4.00 |
| | 1077 | F. 14.63 | 2.00 | 1.82 |
| Purina Chick Growena..... | ..... | G. 15.00 | 3.50 | 7.00 |
| | 671 | F. 19.50 | 4.32 | 6.89 |
| Purina Chicken Fatena..... | ..... | G. 14.00 | 3.50 | 7.50 |
| | 776 | F. 17.25 | 4.83 | 6.33 |
| Purina Chicken Fatena Checkers (for young chickens)..... | ..... | G. 17.00 | 3.50 | 7.00 |
| Purina Chick Growing Chow..... | ..... | G. 21.00 | 3.50 | 7.00 |
| Purina Chick Startena..... | ..... | G. 18.00 | 4.00 | 7.00 |
| | 774 | F. 19.81 | 5.30 | 4.82 |
| Purina 32% Chowder (western states)..... | ..... | G. 32.00 | 4.00 | 8.00 |
| | 782 | F. 36.06 | 6.88 | 4.68 |
| Purina Chowder (36%) (western states)..... | ..... | G. 36.00 | 4.00 | 8.00 |
| Purina Complete Sow and Pig Chow Ration..... | ..... | G. 15.00 | 3.00 | 6.00 |
| Purina Cow Chow 24%..... | ..... | G. 24.00 | 4.00 | 11.00 |
| | 824 | F. 26.13 | 4.77 | 8.22 |
| Purina Cow Chow 34% (western states)..... | ..... | G. 34.00 | 4.00 | 9.00 |
| | 775 | F. 36.31 | 5.00 | 7.06 |
| Purina Dry & Freshening Chow..... | ..... | G. 12.50 | 2.50 | 14.00 |
| | 1097 | F. 15.38 | 3.00 | 12.38 |
| Purina Family Flock Chow..... | ..... | G. 18.00 | 3.50 | 8.00 |
| | 672 | F. 22.31 | 4.49 | 6.68 |
| 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..... | ..... | G. 16.00 | 3.50 | 10.00 |
| Purina Hen Chow (Denver mill).... | ..... | G. 9.00 | 2.00 | 4.00 |
| | 825 | F. 13.38 | 2.85 | 2.17 |
| Purina Hog Chow Supplement (Denver mill)..... | ..... | G. 36.00 | 3.50 | 7.00 |
| | 1098 | F. 36.13 | 4.83 | 5.45 |
| Purina Hog Fatena..... | ..... | G. 14.00 | 3.00 | 7.00 |
| | 684 | F. 18.31 | 4.12 | 5.61 |
| Purina Lamb Fatena Checkers..... | ..... | G. 23.00 | 2.50 | 7.00 |
| Purina Lay Chow..... | ..... | G. 21.00 | 4.00 | 8.00 |
| | 1095 | F. 23.06 | 4.79 | 6.57 |
| Purina Layena (complete ration).... | ..... | G. 15.50 | 3.50 | 8.00 |
| | 1078 | F. 19.19 | 4.43 | 5.45 |
| Purina Milk Chow (for dairy cows) (western states)..... | ..... | G. 18.00 | 4.00 | 10.00 |
| | 826 | F. 20.94 | 4.86 | 6.58 |
| Purina Milk Chow (18%) (western states)..... | ..... | G. 18.00 | 3.00 | 12.00 |
| | 1083 | F. 22.25 | 3.89 | 4.62 |
| Purina Omolene (western states).... | ..... | G. 10.00 | 3.20 | 11.00 |
| New registration..... | ..... | G. 10.00 | 3.00 | 11.00 |
| 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 |
| | 1079 | F. 20.19 | 4.63 | 7.80 |
| Purina Rabbit Chow (entire ration) (Denver mill)..... | ..... | G. 13.50 | 2.50 | 16.00 |

TABLE 4.—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 Rabbit Chow Checkers (entire ration)..... | ..... | G. 14.50 | 2.50 | 18.00 |
| Purina Sheep Checkers..... | ..... | G. 23.00 | 3.20 | 8.50 |
| New registration..... | ..... | G. 23.00 | 3.00 | 8.50 |
| Purina Sow and Pig Chow Supplement..... | ..... | G. 26.00 | 3.50 | 7.00 |
| Purina Steer Fatena..... | ..... | G. 23.00 | 3.20 | 8.50 |
| New registration..... | ..... | G. 23.00 | 3.00 | 8.50 |
| Purina Turkey Breeder Chow..... | ..... | G. 23.00 | 4.00 | 8.00 |
| Purina Turkey-Chicken Fatena Checkers (red bag)..... | 777 1133 | F. 17.50 F. 18.81 | 4.05 4.07 | 5.38 5.42 |
| Purina Turkey Chow Concentrate (35%)..... | ..... | G. 35.00 | 4.00 | 7.00 |
| Purina Turkey Chowder (supplement)..... | ..... | G. 35.00 | 4.00 | 8.00 |
| Purina Turkey Growena..... | 1099 | G. 18.00 F. 20.38 | 4.00 4.89 | 7.00 5.09 |
| New registration..... | ..... | G. 18.00 | 3.50 | 7.00 |
| Purina Turkey Growena (with cod-liver oil)..... | ..... | G. 18.00 | 4.00 | 7.00 |
| Purina Turkey Growing Chow..... | ..... | G. 21.00 | 3.50 | 8.00 |
| Purina Turkey Growing Chow (with cod-liver oil)..... | ..... | G. 21.00 | 3.50 | 8.00 |
| Purina Turkey Layena (complete ration)..... | ..... | G. 16.50 | 3.50 | 8.00 |
| Purina Turkey Startena..... | 778 | G. 24.00 F. 27.50 | 4.50 5.51 | 7.00 5.36 |
| St. David Farm Bureau, St. David, Arizona | | | | |
| St. David Dairy Feed..... | 1091 | G. 14.50 F. 14.63 | 3.00 2.89 | 7.00 5.26 |
| St. David Lay Mash..... | 588 1090 | G. 20.00 F. 24.06 F. 23.06 | 3.00 5.05 5.06 | 6.00 4.40 4.06 |
| Sainz Feed & Seed Company, Nogales, Arizona | | | | |
| Dairy Feed..... | 685 | G. 21.00 F. 22.75 | 3.50 4.83 | 9.50 9.00 |
| New registration..... | ..... | G. 21.00 | 3.25 | 11.00 |
| Scratch Feed..... | 686 | G. 11.00 F. 11.81 | 2.50 2.76 | 2.80 2.10 |
| New registration..... | ..... | G. 10.50 | 3.00 | 2.80 |
| Shorts..... | 1108 | G. 12.50 F. 16.75 | 3.00 4.38 | 5.00 4.37 |
| Sonora Wheat Bran..... | 664 | G. 15.50 F. 16.81 | 2.50 3.95 | 8.00 8.59 |
| R. Salem, Douglas, Arizona | | | | |
| Salem's Mexican Wheat Bran..... | 658 | G. 14.00 F. 18.38 | 3.00 3.85 | 8.90 7.57 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|------|-------|
| James H. Seley & Company, Los Angeles, California | | | | |
| Franco Brand Fancy Tuna Meal..... | ..... | G. 60.00 | 5.00 | 1.00 |
| 55% Protein Fish Meal..... | ..... | G. 55.00 | 5.00 | 1.00 |
| 60% Protein Fish Meal..... | ..... | G. 60.00 | 5.00 | 1.00 |
| | 947 | F. 64.13 | 6.72 | 0.21 |
| 62% Protein Fish Meal..... | ..... | G. 62.00 | 5.00 | 1.00 |
| 65% Protein Fish Meal..... | ..... | G. 65.00 | 5.00 | 1.00 |
| | 1113 | F. 63.38 | 5.24 | 0.24 |
| 62½% Sardine Fish Meal..... | ..... | G. 62.50 | 5.00 | 1.00 |
| 65% Sardine Fish Meal..... | ..... | G. 65.00 | 5.00 | 1.00 |
| Silver Creek Mill, Shumway, Ariz. | | | | |
| Silver Creek Lay Mash..... | ..... | G. 18.00 | 3.50 | 8.00 |
| | 752 | F. 22.13 | 5.34 | 6.19 |
| Very Best Growing Mash..... | ..... | G. 16.00 | 3.00 | 7.00 |
| | 753 | F. 19.38 | 4.11 | 4.60 |
| Very Best Wheat Bran..... | ..... | G. 14.00 | 3.00 | 10.00 |
| | 754 | F. 17.31 | 4.08 | 8.48 |
| Snow Brokerage Company, Los Angeles, California | | | | |
| Feeding Bone Meal..... | ..... | G. 23.00 | 3.00 | 2.00 |
| 62% Protein Sardine Fish Meal..... | ..... | G. 62.00 | 5.00 | 1.00 |
| | 810 | F. 63.75 | 4.75 | 0.50 |
| 65% Protein Sardine Fish Meal..... | ..... | G. 65.00 | 5.00 | 1.00 |
| | 1156 | F. 67.25 | 2.20 | 0.46 |
| 68% Protein Sardine Fish Meal..... | ..... | G. 68.00 | 5.00 | 1.00 |
| Southwest Flour & Feed Company, Glendale, Arizona | | | | |
| Fancy No. 1 Grade Ground Alfalfa Hay..... | ..... | G. 12.00 | 1.00 | 24.00 |
| | 1151 | F. 16.38 | 1.61 | 27.49 |
| Full Value Chick Grain..... | ..... | G. 10.00 | 2.25 | 3.00 |
| | 861 | F. 11.00 | 2.15 | 2.29 |
| New registration..... | ..... | G. 10.00 | 2.00 | 3.00 |
| Full Value Dairy Feed 15..... | ..... | G. 15.50 | 3.50 | 8.50 |
| Full Value Dairy Feed 18..... | ..... | G. 18.50 | 4.00 | 9.50 |
| Full Value Dairy Feed 24..... | ..... | G. 24.00 | 5.00 | 10.00 |
| Full Value Developer Grain..... | ..... | G. 10.00 | 2.25 | 3.00 |
| | 862 | F. 12.81 | 2.34 | 1.99 |
| Full Value Developer Mash..... | ..... | G. 17.50 | 4.20 | 5.40 |
| | 863 | F. 18.81 | 4.54 | 5.87 |
| New registration..... | ..... | G. 18.00 | 4.00 | 6.00 |
| Full Value Egg Mash..... | ..... | G. 19.00 | 4.20 | 5.90 |
| | 864 | F. 20.81 | 4.38 | 5.85 |
| Full Value Hen Scratch..... | ..... | G. 9.50 | 2.00 | 4.00 |
| | 865 | F. 13.56 | 2.40 | 2.00 |
| | 1054 | F. 12.31 | 2.98 | 2.00 |
| Full Value Starter-Grower Chick Mash..... | ..... | G. 18.00 | 4.50 | 5.50 |
| | 866 | F. 19.19 | 4.74 | 2.07 |
| Milk Producers Ration No. 6..... | ..... | G. 12.50 | 1.50 | 28.50 |
| | 867 | F. 13.00 | 2.02 | 27.81 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—*Continued.*

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------------|-------------|
| Molasses Barley-Bran..... | ..... | G. 11.50 | 3.25 | 7.00 |
| | 868 | F. 15.25 | 3.25 | 6.67 |
| New registration..... | ..... | G. 14.00 | 2.00 | 3.00 |
| Molasses Bran..... | ..... | G. 15.00 | 3.50 | 8.00 |
| | 1055 | F. 15.25 | 4.05 | 8.52 |
| 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 |
| | 869 | F. 20.13 | 4.38 | 4.27 |
| Red Star Chick Grain..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 870 | F. 11.88 | 2.50 | 1.73 |
| Red Star Dairy Ration..... | ..... | G. 16.00 | 3.50 | 8.00 |
| | 1065 | F. 17.00 | 5.33 | 5.57 |
| 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 |
| | 871 | F. 12.69 | 4.45 | 2.05 |
| Red Star Developing Mash..... | ..... | G. 18.00 | 4.30 | 4.80 |
| | 898 | F. 19.50 | 4.02 | 5.49 |
| New registration..... | ..... | G. 18.50 | 3.50 | 6.00 |
| Red Star Fattener Broiler and Fryer Mash..... | ..... | G. 19.00 | 4.50 | 5.30 |
| | 899 | F. 19.94 | 4.31 | 5.22 |
| New registration..... | ..... | G. 19.00 | 4.00 | 6.00 |
| Red Star Full Pail..... | ..... | G. 18.00 | 3.00 | 8.00 |
| | 1056 | F. 19.63 | 4.01 | 7.04 |
| Red Star Hen Scratch..... | ..... | G. 10.50 | 2.50 | 3.00 |
| | 900 | F. 12.56 | 2.44 | 2.04 |
| New registration..... | ..... | G. 10.50 | 2.25 | 3.00 |
| Red Star Hog Supplement..... | ..... | G. 40.00 | 5.00 | 9.50 |
| | 1057 | F. 42.06 | 5.27 | 7.79 |
| Red Star Laying Mash..... | ..... | G. 19.50 | 4.50 | 5.80 |
| | 901 | F. 20.81 | 4.63 | 5.54 |
| Red Star Milk Goat Feed..... | ..... | G. 13.50 | 3.00 | 7.00 |
| | 1066 | F. 15.63 | 3.34 | 6.19 |
| Red Star Milk Flow..... | ..... | G. 16.00 | 3.50 | 8.00 |
| | 1064 | F. 16.81 | 3.56 | 7.43 |
| Red Star Pan-A-Min Chick Mash.... | ..... | G. 18.00 | 4.50 | 5.70 |
| | 1058 | F. 19.69 | 4.59 | 5.11 |
| Red Star Pan-A-Min Developing Mash..... | ..... | G. 18.00 | 4.30 | 4.80 |
| | 1059 | F. 19.19 | 4.52 | 4.52 |
| Red Star Pan-A-Min Laying Mash | ..... | G. 19.50 | 4.50 | 5.80 |
| | 1060 | F. 20.13 | 4.12 | 5.61 |
| Red Star Pigeon Scratch..... | ..... | G. 12.00 | 2.50 | 4.00 |
| | 1061 | F. 14.19 | 4.32 | 2.95 |
| Red Star Poult Starter Mash..... | ..... | G. 25.00 | 4.90 | 6.00 |
| | 902 | F. 25.69 | 4.14 | 6.00 |
| New registration..... | ..... | G. 25.00 | 3.50 | 6.00 |
| Red Star Poultry Breeders Mash.... | ..... | G. 20.00 | 4.50 | 5.80 |
| | 1154 | F. 20.19 | 3.65 | 5.78 |
| Red Star Rabbit Ration..... | ..... | G. 10.30 | 1.40 | 16.50 |
| Red Star Rabbit Feed (complete ration)..... | ..... | G. 16.00 | 3.00 | 17.00 |
| | 1063 | F. 18.69 | 3.08 | 13.06 |

TABLE 4.—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 Rabbit Feed..... | ..... | G. 16.00 | 4.00 | 8.50 |
| | 1062 | F. 17.25 | 3.76 | 7.66 |
| Red Star Starter | ..... | G. 18.00 | 4.50 | 5.70 |
| Grower Chick Mash..... | 872 | F. 19.69 | 4.26 | 5.33 |
| New registration..... | ..... | G. 18.50 | 4.00 | 6.00 |
| Red Star Sweet Susan Dairy Ration | ..... | G. 14.50 | 2.50 | 15.00 |
| | 1152 | F. 16.75 | 3.10 | 14.78 |
| Red Star Trace Buster..... | ..... | G. 12.00 | 4.00 | 10.50 |
| Red Star Turkey Breeders Mash..... | ..... | G. 22.00 | 4.80 | 6.00 |
| | 1086 | F. 21.56 | 4.36 | 5.04 |
| Red Star Turkey Finishing Mash..... | ..... | G. 22.00 | 4.00 | 6.00 |
| | 1087 | F. 22.13 | 4.13 | 5.44 |
| Red Star Turkey Grower Mash..... | ..... | G. 24.00 | 4.60 | 6.00 |
| | 1088 | F. 23.06 | 4.66 | 4.61 |
| Special "999" Dairy Feed..... | ..... | G. 13.00 | 2.50 | 28.50 |
| | 1150 | F. 15.06 | 2.20 | 25.65 |
| Special Molasses Dairy Feed..... | ..... | G. 15.00 | 2.50 | 12.00 |
| | 1089 | F. 15.75 | 2.70 | 11.06 |
| Special Sweet Dairy Feed..... | ..... | G. 13.50 | 2.20 | 16.50 |
| Stem Winder Dairy Feed..... | ..... | G. 14.00 | 2.50 | 28.00 |
| Wheat Bran..... | ..... | G. 14.00 | 3.00 | 10.00 |
| | 795 | F. 16.38 | 3.57 | 7.94 |
| Wheat Shorts..... | ..... | G. 16.00 | 4.00 | 6.00 |
| | 1153 | F. 17.13 | 3.74 | 3.94 |
| 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 41% Protein Soybean Oil Meal..... | 608 | G. 41.00 | 4.00 | 7.00 |
| | | F. 47.00 | 4.22 | 6.22 |
| 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 3)..... | ..... | ..... | ..... | ..... |
| Swift & Company, Chicago, Illinois | | | | |
| Swift's Meat & Bone Scraps..... | ..... | G. 50.00 | 6.00 | 3.00 |
| Swift's 5% Protein Special Steamed Bone Meal (see Table 3)..... | ..... | ..... | ..... | ..... |
| Taylor Milling Corporation, Los Angeles, California | | | | |
| Centennial Millrun Bran..... | ..... | G. 13.00 | 3.00 | 10.00 |
| | 721 | F. 16.13 | 4.48 | 8.62 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------|-------|
| Certified Mash..... | | G. 20.00 | 3.50 | 9.00 |
| | 616 | F. 22.31 | 3.56 | 7.51 |
| Domestic Sardine Meal..... | | G. 65.00 | 6.00 | 1.00 |
| Dried Blood Meal..... | | G. 80.00 | 0.50 | 0.50 |
| Imported 28% Protein Hempseed Cake Meal..... | 903 | G. 28.00 | 6.00 | 29.00 |
| | | F. 31.63 | 2.84 | 26.81 |
| Imported Sardine Meal..... | | G. 58.00 | 6.00 | 1.00 |
| Purity Fattening Mash..... | | G. 14.00 | 3.00 | 6.00 |
| Purity Mash..... | | G. 15.00 | 2.00 | 10.00 |
| New registration..... | | G. 16.00 | 3.00 | 10.00 |
| Purity Scratch Feed..... | | G. 10.00 | 2.00 | 4.00 |
| Raw Bone Meal..... | | G. 23.00 | .50 | 1.50 |
| Seaweed (kelp meal)..... | | G. 9.00 | 0.20 | 6.00 |
| | 948 | F. 8.81 | 0.36 | 7.44 |
| Steam Bone Meal (see Table 3)..... | | | | |
| Taylor Made Calf Food..... | | G. 15.00 | 3.00 | 8.00 |
| Taylor Made Chick Mash (mash or pellets)..... | | G. 14.00 | 3.00 | 10.00 |
| 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 | 3.00 | 9.00 |
| New registration..... | | 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)..... | | G. 14.00 | 3.00 | 10.00 |
| 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..... | | G. 15.00 | 4.00 | 8.00 |
| | 619 | F. 20.12 | 3.51 | 7.77 |
| Taylor's All In One Chick 40% Milk Food..... | | G. 20.00 | 3.00 | 5.00 |
| New registration..... | | 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 | | G. 15.00 | 4.00 | 8.00 |
| | 618 | F. 19.50 | 3.70 | 7.37 |
| | 949 | F. 18.81 | 4.04 | 6.79 |
| Taylor's All In One Laying Food..... | | G. 15.00 | 4.00 | 8.00 |
| | 617 | F. 19.94 | 3.82 | 7.05 |
| Taylor's All In One Pullet Food (mash or pellets)..... | | G. 15.00 | 4.00 | 8.00 |
| Taylor's All In One Turkey Breed- er's Food (mash or pellets)..... | | G. 18.00 | 4.00 | 10.00 |
| New registration..... | | 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- ing & Dev. Food (mash or pellets)..... | | G. 20.00 | 4.00 | 10.00 |

TABLE 4.—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 | 8.00 |
| New registration..... | | G. 20.00 | 4.00 | 10.00 |
| Taylor's Imperial Laying Mash (mash or pellets)..... | | G. 20.00 | 3.00 | 8.00 |
| New registration..... | | G. 20.00 | 4.00 | 8.00 |
| Taylor's Mineralized Sweet Wheat Bran..... | 1159 | F. 23.44 | 4.85 | 5.79 |
| Taylor's Purity Dog Pellets..... | 950 | G. 13.00 | 2.50 | 12.00 |
| Taylor's Sweet Wheat Bran..... | | F. 16.50 | 4.16 | 6.96 |
| Taylor's Thrifty Duck Pellets..... | | G. 28.00 | 5.00 | 8.00 |
| Taylor's Thrifty Mash..... | | G. 10.00 | 3.00 | 9.00 |
| New registration..... | | G. 14.00 | 2.00 | 12.00 |
| Taylor's Thrifty Rabbit Pellets..... | | G. 13.00 | 3.00 | 11.00 |
| Taylor's West Coast Dairy Feed..... | | G. 14.00 | 3.00 | 11.00 |
| 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 | | G. 8.40 | 2.80 | 8.50 |
| Digester Tankage..... | | G. 60.00 | 5.00 | 3.00 |
| Dried Buttermilk..... | | G. 30.00 | 5.00 | 1.00 |
| Dried Skimmed Milk..... | | G. 34.00 | 0.20 | 0.00 |
| Finely Ground Whole Milo Maize... | | G. 11.29 | 2.69 | 2.10 |
| Finely Ground Whole Oats..... | | G. 11.00 | 4.00 | 12.00 |
| Ground Whole Barley and Screenings..... | | G. 10.00 | 1.50 | 9.00 |
| Hominy Feed..... | | G. 10.10 | 6.00 | 7.00 |
| Meat and Bone Scraps..... | | G. 50.00 | 6.00 | 3.00 |
| Milo Head Chop and Cane Molasses | | G. 6.50 | 1.80 | 5.00 |
| More Milk Brand Dairy Feed with Molasses..... | | G. 17.00 | 5.00 | 8.50 |
| 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 |
| 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 and Bone Meal Tankage..... | | G. 50.00 | 4.00 | 3.00 |
| 45% Meat and Bone Scraps..... | | G. 45.00 | 6.00 | 3.00 |
| Pulverized Limestone (see Table 3) | | | | |

TABLE 4.—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 (cracked corn with portion of meal and finer particles sifted out)..... | | G. 9.00 | 3.50 | 3.00 |
| Steamed Rolled Whole Barley..... | | G. 11.00 | 1.50 | 6.00 |
| Success Horse and Mule Feed..... | | G. 10.00 | 3.50 | 9.30 |
| Success Brand Growing Mash with Charcoal..... | | G. 16.00 | 3.50 | 6.50 |
| 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'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 | | G. 14.50 | 3.00 | 10.00 |
| Wheat Gray Shorts..... | | 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 |
| | 1170 | F. 51.63 | 8.04 | 2.94 |
| Tremaine Alfalfa Ranch & Milling Company, Mesa, Arizona | | | | |
| Arizona Brand Alfalfa Leaf Meal..... | | G. 20.00 | 2.50 | 18.00 |
| | 597 | F. 21.56 | 1.81 | 21.54 |
| Tremaine Brand Alfalfa Meal..... | | G. 16.00 | 2.00 | 25.00 |
| Arizona Brand Alfalfa Stem Meal | | G. 9.00 | 0.80 | 40.00 |
| | 596 | F. 15.00 | 1.35 | 30.14 |
| U.S. Industrial Chemicals, Inc., New York, New York | | | | |
| Vacatone..... | | G. 10.00 | Trace | 1.00 |
| Valley Lumber, Fuel & Feed Company, Phoenix, Arizona | | | | |
| A.A.A. Dairy Feed..... | | G. 12.00 | 2.00 | 12.00 |
| | 735 | F. 15.44 | 2.59 | 11.40 |
| Full Ration Baby Chick Mash..... | | G. 18.00 | 4.00 | 5.00 |
| | 738 | F. 19.38 | 4.11 | 4.90 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|------|-------|
| Full Ration Growing Mash..... | ..... | G. 17.00 | 3.50 | 7.00 |
| | 739 | F. 18.38 | 3.50 | 5.38 |
| Full Ration Laying Mash..... | ..... | G. 17.50 | 3.50 | 5.50 |
| | 740 | F. 18.75 | 3.59 | 5.59 |
| Half and Half..... | ..... | G. 10.00 | 2.50 | 3.00 |
| High Protein Baby Chick Mash..... | ..... | G. 20.00 | 4.00 | 7.00 |
| | 929 | F. 19.75 | 4.01 | 4.64 |
| High Protein Growing Mash..... | ..... | G. 18.00 | 4.00 | 7.00 |
| | 741 | F. 19.94 | 3.74 | 4.94 |
| High Protein Laying Mash..... | ..... | G. 20.00 | 4.00 | 7.00 |
| | 742 | F. 21.38 | 3.40 | 5.93 |
| Pigeon Grain..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 930 | F. 13.63 | 2.80 | 2.76 |
| | 744 | F. 14.13 | 2.53 | 3.01 |
| Turkey Breeder Mash..... | ..... | G. 21.00 | 4.00 | 7.00 |
| | 743 | F. 21.50 | 4.83 | 6.29 |
| Turkey Growing Mash..... | ..... | G. 22.00 | 4.00 | 7.00 |
| | 928 | F. 23.63 | 4.54 | 6.23 |
| Valley Brand Baby Chick Grain..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 923 | F. 12.00 | 2.86 | 2.50 |
| Valley Brand Developer Grain..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 926 | F. 12.06 | 2.62 | 1.62 |
| Valley Brand Pigeon Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| Valley Brand Scratch Feed..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 927 | F. 11.25 | 3.00 | 2.14 |
| Valley Brand Special Dairy Feed.... | ..... | G. 17.00 | 3.00 | 12.00 |
| | 736 | F. 18.75 | 3.03 | 9.92 |
| Valley Brand Special Scratch Feed | ..... | G. 10.00 | 2.50 | 3.00 |
| | 925 | F. 11.00 | 2.84 | 1.84 |
| Valley Brand Turkey Starting Mash | ..... | G. 23.00 | 4.00 | 7.00 |
| Valley Broiler Mash..... | ..... | F. 24.88 | 4.82 | 5.36 |
| | 924 | G. 18.00 | 4.00 | 7.00 |
| Valley Dairy Feed..... | ..... | F. 21.38 | 4.61 | 4.26 |
| | 737 | G. 20.00 | 4.00 | 11.00 |
| Valley Fattening Mash..... | ..... | F. 22.13 | 4.66 | 10.18 |
| | 931 | G. 18.00 | 4.00 | 7.00 |
| | | F. 19.75 | 4.24 | 4.82 |
| Valley Seed and Floral Company, Yuma, Arizona | | | | |
| Valseflo Mexican Bran..... | ..... | G. 12.00 | 4.00 | 6.00 |
| | 1138 | F. 14.13 | 3.78 | 5.69 |
| Vogel Hatchery, Tempe, Arizona | | | | |
| Vogel Chick Mash..... | ..... | G. 18.00 | 4.00 | 6.00 |
| | 851 | F. 20.06 | 5.02 | 5.79 |
| Vogel Growing Mash..... | ..... | G. 17.00 | 3.50 | 6.00 |
| | 849 | F. 19.38 | 4.60 | 5.86 |
| Vogel Hen Scratch..... | ..... | G. 10.00 | 2.50 | 3.00 |
| | 852 | F. 12.50 | 2.72 | 2.52 |
| Vogel Laying Mash..... | ..... | G. 21.00 | 4.00 | 7.00 |
| | 850 | F. 23.50 | 4.67 | 5.77 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------------|--------------|
| 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 |
| | 715 | F. 18.75 | 3.53 | 10.13 |
| Hovden's Vacuum Dried 66% Prot. Fish Meal..... | 946 | G. 66.00 | 5.00 | 1.00 |
| | | F. 66.88 | 5.07 | 0.30 |
| James H. Seley Tuna Fish Meal..... | ..... | G. 60.00 | 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 |
| | 709 | F. 22.38 | 4.36 | 6.67 |
| Orange Brand Growing Food..... | ..... | G. 16.00 | 4.50 | 7.00 |
| | 626 | F. 18.69 | 4.51 | 7.54 |
| Orange Brand Laying Food..... | ..... | G. 19.00 | 4.00 | 9.00 |
| | 627 | F. 20.93 | 4.54 | 8.43 |
| Orange Meal..... | ..... | G. 7.00 | 1.50 | 12.00 |
| Our Special Poultry Food..... | ..... | G. 18.00 | 3.50 | 12.00 |
| | 716 | F. 20.19 | 4.17 | 8.37 |
| Our Special Rabbit Pellets..... | ..... | G. 13.00 | 2.00 | 18.00 |
| 40% Peanut Oil Meal..... | ..... | G. 40.00 | 6.50 | 6.00 |
| 45% Peanut Oil Cake Meal..... | ..... | G. 45.00 | 6.00 | 13.00 |
| Peanut Pellets..... | ..... | G. 40.00 | 7.00 | 11.00 |
| Pigeon Grit (see Table 3)..... | ..... | ..... | ..... | ..... |
| 40% Protein Sesame Meal..... | ..... | G. 40.00 | 5.50 | 7.00 |
| Soybean Oil Meal..... | ..... | G. 41.00 | 4.00 | 7.00 |
| Standard Live Yeast Supplement... | ..... | G. 9.00 | 2.10 | 3.50 |
| Steam Dried 65% Protein Sardine Meal..... | ..... | G. 65.00 | 4.00 | 1.00 |
| Sweet Wheat Bran..... | ..... | G. 13.00 | 2.50 | 9.00 |
| | 963 | F. 16.13 | 3.08 | 7.44 |
| Universal Pure Dried Skim Milk.... | ..... | G. 32.00 | 0.40 | 7.00 |
| Val-U Brand Laying Food..... | ..... | G. 18.00 | 4.00 | 10.00 |
| Val-U Chick and Growing Scratch | ..... | G. 10.00 | 2.00 | 3.00 |
| | 624 | F. 11.44 | 2.66 | 1.85 |
| Val-U Dairy Ration..... | ..... | G. 17.00 | 3.50 | 10.50 |
| Val-U Dairy Ration with 10% Beet Pulp..... | ..... | G. 17.00 | 3.50 | 10.50 |
| Val-U Poultry Scratch..... | ..... | G. 9.00 | 1.50 | 3.00 |
| | 962 | F. 11.13 | 2.49 | 1.78 |
| Val-U Rabbit Pellets..... | ..... | G. 13.00 | 2.50 | 16.00 |
| | 710 | F. 15.50 | 3.29 | 18.38 |
| Velera Brand 65% Protein Fish Meal..... | ..... | G. 65.00 | 4.00 | 1.00 |
| V-O All Purpose Poultry Food..... | ..... | G. 17.00 | 4.00 | 6.50 |
| V-O Breeder Mash..... | ..... | G. 20.00 | 4.50 | 7.00 |
| V-O Broiler and Fryer Builder..... | ..... | G. 17.00 | 4.00 | 7.00 |
| V-O Calf Meal..... | ..... | G. 22.00 | 3.50 | 5.00 |
| | 623 | F. 23.81 | 3.62 | 2.65 |
| V-O Chick Food..... | ..... | G. 18.00 | 5.00 | 5.00 |
| | 711 | F. 17.25 | 4.23 | 4.86 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|--|----------|----------|-------|-------|
| V-O Chick & Growing Scratch..... | ..... | G. 10.00 | 2.00 | 3.00 |
| | 625 | F. 12.25 | 2.24 | 1.38 |
| 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 |
| | 961 | F. 21.00 | 4.39 | 9.70 |
| 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..... | ..... | G. 16.00 | 4.00 | 6.00 |
| | 712 | F. 19.69 | 3.76 | 6.74 |
| V-O Hi Digesto with 2% Live Yeast | ..... | G. 19.00 | 3.00 | 9.00 |
| V-O High Protein Laying Food..... | ..... | G. 20.00 | 4.00 | 6.00 |
| | 622 | F. 22.62 | 5.07 | 6.95 |
| V-O Poultry Fattening Food..... | ..... | G. 17.00 | 5.00 | 7.00 |
| | 713 | F. 19.50 | 5.20 | 5.42 |
| V-O Rabbit Grain Pellets..... | ..... | G. 13.00 | 4.00 | 9.00 |
| | 747 | F. 15.50 | 4.33 | 6.83 |
| V-O Rabbit Pellets..... | ..... | G. 15.00 | 3.50 | 15.00 |
| V-O Turkey Breeder Mash..... | ..... | G. 19.00 | 4.00 | 10.00 |
| V-O Turkey Growing & Developing Mash..... | 714 | G. 22.00 | 4.00 | 10.00 |
| | | F. 24.38 | 4.52 | 9.46 |
| 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 3)..... | ..... | ..... | ..... | ..... |
| Myron E. Wells, Phoenix, Arizona | | | | |
| W-E-L-L-S M. E. Laymash..... | ..... | G. 15.00 | 3.00 | 7.00 |
| Western Condensing Company, Petaluma, California | | | | |
| Peebles Lacto-G Dried Whey..... | ..... | G. 12.00 | 0.50 | 0.10 |
| | 996 | F. 13.25 | 0.54 | 0.10 |
| Western Cotton Products Company, Phoenix, Arizona | | | | |
| Paymaster Brand 40% Cottonseed Meal and Cake (see Table 2)..... | ..... | ..... | ..... | ..... |
| Paymaster Brand 43% Cottonseed Meal and Cake (see Table 2)..... | ..... | ..... | ..... | ..... |
| Western Seed, Feed & Honey Co., Phoenix, Arizona | | | | |
| Scratch Feed..... | ..... | G. 9.00 | 2.00 | 4.00 |
| Western Brand Dairy Ration..... | ..... | G. 16.00 | 3.50 | 8.00 |
| | 914 | F. 19.06 | 3.84 | 9.23 |
| Westminster Mills, Alhambra, Calif. | | | | |
| Supreme Brand 50% Protein Meat & Bone Scraps..... | 581 | G. 50.00 | 6.00 | 3.00 |
| | | F. 51.25 | 12.11 | 2.00 |
| Wilbur-Ellis Company, Los Angeles, California | | | | |
| Del Mar Steam Dried 65% Protein Sardine Meal..... | ..... | G. 65.00 | 4.00 | 1.00 |

TABLE 4.—ANALYSES AND GUARANTEES OF ALL MISCELLANEOUS AND MIXED FEEDS (PER CENT)—Continued.

| Name and address of manufacturer and product | Lab. no. | Protein | Fat | Fiber |
|---|----------|----------|-------------|--------------|
| Linseed Cake Meal..... | ..... | G. 30.00 | 8.00 | 12.00 |
| 28% Old Process Hempseed Cake Meal..... | ..... | G. 28.00 | 6.00 | 28.00 |
| P and G 41% Protein Soybean Oil Meal Old Process..... | ..... | G. 41.00 | 4.50 | 7.00 |
| | 809 | F. 45.63 | 5.90 | 6.20 |
| Peanut Oil Cake Meal..... | ..... | G. 40.00 | 6.00 | 6.00 |
| 19% Protein Coconut Oil Meal..... | ..... | G. 19.00 | 6.00 | 11.00 |
| | 945 | F. 19.94 | 7.09 | 12.95 |
| 60% Protein Fish Meal..... | ..... | G. 60.00 | 5.00 | 1.00 |
| | 845 | F. 60.13 | 5.42 | 1.50 |
| 65% Protein Fish Meal, Lighthouse Brand..... | ..... | G. 65.00 | 4.00 | 1.00 |
| | 748 | F. 68.88 | 5.18 | 1.30 |
| | 1029 | F. 66.81 | 8.34 | 0.85 |
| 65% Protein Liver Meal..... | ..... | G. 65.00 | 15.00 | 3.00 |
| 50% Protein Meat & Bone Scraps... | ..... | G. 50.00 | 6.00 | 3.00 |
| 41% Protein Old Process Soybean Oil Meal..... | ..... | G. 41.00 | 4.50 | 7.00 |
| 45% Protein Peanut Oil Cake Meal | ..... | G. 45.00 | 6.00 | 13.00 |
| | 637 | F. 45.50 | 7.38 | 11.28 |
| 42% Protein Peanut Meal..... | ..... | G. 42.00 | 6.00 | 12.00 |
| 65% Protein Sardine Fish Meal..... | ..... | G. 65.00 | 7.00 | 1.00 |
| 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 (see Table 3)..... | ..... | ..... | ..... | ..... |
| Wilson & Company, Inc., Los Angeles, California | | | | |
| Red "W" Brand Meat and Bone Meal..... | ..... | G. 50.00 | 6.00 | 3.00 |
| | 841 | F. 50.50 | 9.90 | 1.86 |
| The Wolf Milling Company, Ellinwood, Kansas | | | | |
| Gray Wheat Shorts & Ground Wheat Screenings..... | ..... | G. 16.00 | 3.50 | 6.00 |
| Wheat Bran and Ground Wheat Screenings..... | ..... | G. 14.50 | 3.50 | 11.00 |
| | 823 | F. 17.00 | 4.52 | 10.01 |
| Leigh S. Wright, Phoenix, Arizona | | | | |
| U.K.C. Beef Krumbles..... | ..... | G. 24.00 | 5.00 | 4.00 |
| | 600 | F. 31.12 | 4.77 | 2.58 |
| | 848 | F. 30.00 | 5.46 | 2.56 |
| Yuma County Farmers Marketing Association, Yuma, Arizona | | | | |
| Hyttest Bran..... | ..... | G. 14.00 | 3.00 | 10.00 |
| | 1137 | F. 14.19 | 4.00 | 6.47 |

TABLE 5.—ANALYSES OF UNREGISTERED FEEDS COLLECTED AND ANALYZED.

| Name and address of manufacturer and product | Lab. no. | Protein* | Fat* | Fiber* |
|---|----------------------|----------------------------------|------------------------------------|------------------------|
| Challenge Cream and Butter Association, Los Angeles, Calif. Dried Skim Milk..... | 843 | G. 33.40 F. 33.69 | 0.75 0.22 | 0.00 |
| Danish Creamery Association, Fresno, California Dried Buttermilk..... | 702 1135 | G. 33.40 F. 35.25 F. 34.00 | 0.75 0.20 0.61 | 0.00 |
| Globe Mills, Los Angeles, California Linseed Meal..... | 593 | G. 30.00 F. 31.75 | 5.00 6.35 | 10.00 10.98 |
| A. C. Gonzalez, El Paso, Texas Umilco Wheat Bran & Screenings.... | 1093 | G. 14.50 F. 16.75 | 3.00 3.96 | 10.00 9.28 |
| Spencer Kellogg & Sons, Long Beach, California Kellogg's 28% Protein Old Process Linseed Meal..... | 844 | G. 28.00 F. 30.31 | 5.00 5.01 | 9.00 10.08 |
| Kuder Meal Company, Los Angeles, California Kuder Orange Pulp..... | 589 | G. 7.00 F. 8.19 | 1.50 1.97 | 12.00 12.65 |

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

SUMMARY

MIXED FEEDS

| | | |
|--|--------|--------|
| Total feeds registered | 1939 | 1938 |
| By Arizona manufacturers..... | 329 | 340 |
| By out-of-state manufacturers..... | 554 | 474 |
| Total..... | 883 | 814 |
| Number of feed manufacturers registered..... | 108 | 97 |
| Arizona..... | 51 | 49 |
| Out-of-state..... | 57 | 48 |
| Total tonnage as represented by receipts for fees (approx.).... | 34,000 | 31,000 |
| Number of samples collected and analyzed (chem. analysis).. | 541 | 519 |
| Number of samples not up to guarantee..... | 191 | 221 |
| Summary of violations—reasons for unsatisfactory reports | | |
| Brand name on tag did not agree with registration..... | 10 | 44 |
| Ingredients on tag did not agree with registration..... | 53 | 124 |
| Feeds not registered when sampled..... | 46 | 84 |
| Feeds deficient in protein..... | 40 | 50 |
| Feed deficient in fat..... | 93 | 119 |
| Feeds had excess of fiber..... | 87 | 106 |
| Tags did not show list of ingredients..... | 3 | 43 |
| Tags did not show net weight of package..... | 1 | 37 |
| Tags did not show name and address of manufacturer.. | 2 | 10 |
| Guaranteed chemical analysis not shown on tag..... | 4 | 24 |
| No tag or label on package..... | 0 | 24 |
| Feed did not carry Arizona inspection fee stamps or tags | 22 | 11 |
| Guaranteed analysis on tag did not agree with registra- tion..... | 35 | 76 |
| Tags did not show brand name or kind of feed..... | 1 | 1 |
| Unregistered feeds..... | 6 | 10 |

COTTONSEED MEAL

| | | |
|---|--------|--------|
| Number of registrations..... | 22 | 20 |
| Arizona manufacturers..... | 7 | 5 |
| Out-of-state manufacturers..... | 15 | 15 |
| Number of manufacturers registered..... | 10 | 10 |
| Arizona..... | 5 | 5 |
| Out-of-state..... | 5 | 5 |
| Total tonnage as represented by receipts for fees (approx.).... | 35,000 | 25,000 |
| Number of samples collected and analyzed (chem. analysis).. | 44 | 33 |
| Number of samples deficient in protein..... | 6 | 20 |

MINERAL FEEDS

| | | |
|---|----|----|
| Number of registrations..... | 25 | 26 |
| Arizona manufacturers..... | 2 | 2 |
| Out-of-state manufacturers..... | 23 | 24 |
| Number of manufacturers registered..... | 15 | 16 |
| Arizona..... | 2 | 2 |
| Out-of-state..... | 13 | 14 |
| Number of samples collected and analyzed (chem. analysis).. | 7 | 9 |
| Number of samples below guarantee..... | 4 | 4 |