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# TEXAS AGRICULTURAL EXPERIMENT STATION

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BULLETIN No. 164

APRIL, 1914

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FEED CONTROL SERVICE

## Commercial Feeding Stuffs 1913

### FEED LAW



POSTOFFICE:

College Station, Brazos County, Texas.



VON BOECKMANN-JONES CO., PRINTERS, AUSTIN, TEXAS

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\*In cooperation with Bureau of Plant Industry, United States Department of Agriculture.  
†Resigned April 1, 1914.

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FEED CONTROL SERVICE

# Commercial Feeding Stuffs, 1913

## FEED LAW

BY B. YOUNGBLOOD, DIRECTOR.

The Twenty-ninth Legislature of the State of Texas passed an act—

- (1) Regulating the sale of concentrated commercial feeding stuffs and the material from which they are manufactured.
- (2) Defining them.
- (3) Prohibiting their adulteration.
- (4) Providing for their correct weighing and marking.
- (5) Providing for the collection of samples.
- (6) Providing for the expenses of enforcing the law.
- (7) Fixing penalties for violations, and
- (8) Empowering the Director of the Experiment Station (a) to adopt standards, names and definitions; (b) to refuse registration of any feeding stuff under a name which would be misleading as to the materials of which it is made up, or which does not conform to the standards, names and definitions aforesaid, and (c) after ten days' notice to cancel such registration as may, from time to time, be found to be in violation of the law or the names, standards and definitions adopted by the Director of the Experiment Station in accordance with this law.

The law is printed in the back of this bulletin.

*The Purpose of the Feed Control Service.*—The purpose of the Feed Control Service is to afford protection alike to the sellers and the buyers of concentrated commercial feeding stuffs in the State of Texas. This end is attained by the Feed Control Service by

(I) Requiring that no feeding stuff shall be sold under a name that is in the least misleading. This means that no person or corporation shall sell a *mixture* for a *pure product*. For instance, it is a violation of the law to sell a mixture of cotton seed meal and hulls under the name of "Cotton Seed Meal," when obviously the correct definition is "Cotton Seed Meal and Hulls."

(II) Requiring that the correct analysis of each and every feeding stuff sold within the State *shall be printed—not stamped—on the inspection tag*. By a comparison of the constituents, analysis and the price of a given feeding stuff with those of another, the buyer is enabled to determine for himself which feeding stuff is the cheapest and the best suited for his particular purpose. If he should have any difficulty in this regard he should write the Experiment Station for additional information.

The seller of feeding stuffs is protected by the development of uniform standards which eliminate unfair competition. He is expected to comply with the law, not merely for the sake of compliance, but because in the long run it is the wiser course. The seller who habitually complies with the law has the confidence of the feeders and the public generally and

avoids the unnecessary expense and the unsavory reputation incident to prosecution for violations.

*What the Term Includes.*—The term “concentrated commercial feeding stuff,” as herein used, shall include wheat bran, wheat shorts, linseed meal, cotton seed meal, cotton seed cake, peanut cake, cocoanut meal, gluten meal, gluten feeds, sugar feeds, dried brewers’ grains, malt sprouts, hominy feeds, cerealine feeds, rice bran, rice polish, oat feeds, corn chops, ground beef, kafir feed, alfalfa meal, corn feed meal, rolled oats, cold pressed cotton seed, ground cold pressed cotton seed, rice hulls, corn bran, blood meal, digester tankage, cracklings, meat scrap, meat meal, meat and bone scrap, meat and bone meal, buckwheat shorts, corn germ meal, flax plant by-products, oat groats, oat middlings, poultry feed, oat shorts, mixed feeds, and all other materials of a similar nature.

*What is not Included.*—The term “concentrated commercial feeding stuff,” as herein used, shall not include hay, straw, the whole seeds of grains of wheat, barley, rye, oats, Indian corn, rice, buckwheat or broom corn, or any other whole or unground grains or seeds. However, should there be added to hay, straw, whole or unground grains or seeds, any cracked grains or seeds which come under concentrated commercial feeding stuffs, the whole would then be treated as a concentrated commercial feeding stuff, and subject to the requirements of the law.

*Adulterants.*—The following ingredients are classed as adulterants: corn bran, screenings, rice hulls, peanut hulls, chaff, oat hulls, oat meal by-products, ground corn cobs, ground alfalfa, ground hay and all other materials of a similar nature.

*How to Comply with the Law.*—Briefly summarized, the law requires manufacturers and importers of concentrated commercial feeding stuffs, or the party or parties who cause them to be sold or offered or exposed for sale, to comply with the following requirements:

*All Concentrated Commercial Feeding Stuffs Must Be Registered.*—Any person, manufacturer, importer or agent desiring to sell or offer for sale within this State any concentrated commercial feeding stuff shall submit a sample of the feeding stuff to be registered, of at least one pound for analysis. This sample should be shipped prepaid either by parcel post or express, in a sealed glass jar or bottle. The sample must be a fair average of the feeding stuff to be registered. Upon receipt of this sample, registration forms will be furnished. If, upon analysis, the feeding stuff is found to conform to the required names, definitions and standards and otherwise complies with the intent of the law, the feeding stuff will be registered.

*Concentrated Commercial Feeding Stuffs Must Be Tagged.*—After a feeding stuff is registered the person, manufacturer, agent or importer is notified that he may offer it for sale, provided he attaches the official tax tag as required by law. These tags, each good for 100 pounds net, are purchased from the Feed Control Service. All tags are sold at such a price as will make the inspection tax 10 cents per ton on all concentrated commercial feeding stuffs sold or offered for sale within

the State of Texas. One tag should be attached to each bag, barrel or other package of feeding stuff sold or offered for sale.

The following information is required to be printed on the reverse side of tax tags, by the person, agent, dealer, manufacturer or importer. Under no circumstances will the Feed Control Service print this information on the tags:

- (1) Number of net pounds of feeding stuff the package contains.
- (2) Name of feeding stuff, exactly as shown in registration.
- (3) Names of material of which such feed is composed, where the contents are of a mixed nature.
- (4) Percentage of ingredients where corn cobs, corn bran, rice hulls, or any other adulterant, is present.
- (5) Name and address of manufacturer or importer and place of manufacture.
- (6) Guaranteed analysis, stating the minimum percentages of crude protein, crude fat, nitrogen-free extract, and the maximum percentage of crude fiber, in the feeding stuff, exactly as shown in registration.

Attention is called to the fact that all information on the tax tag must be *printed*. *The use of rubber stamp for this purpose is not permitted.*

*Weights.*—The law fixes the standard weights for feeding stuffs as follows:

Mill products have the following standard weights, viz.: Flour, one-hundred and ninety-six (196) pounds per barrel or forty-eight (48) pounds per sack. Corn meal, bolted or unbolted, thirty-five (35) pounds per sack; rice bran, one hundred and forty-three (143) pounds per sack; rice polish, two hundred (200) pounds per sack; and other feeding stuffs made from cereals of any kind, whether pure, mixed or adulterated, one hundred (100) pounds per sack. Fractional barrels, sacks or packages, shall weigh in the same proportion, as, one-sixteenth, one-eighth, one-fourth, one-half, and three-fourths. Sacks and barrels of odd weights, as for instance,  $9\frac{3}{4}$  or 90 pounds, are not contemplated in the feed law and tax tags for such odd weights as these are not carried in stock by the Feed Control Service.

*Bulk Sales.*—It shall be the duty of the manufacturer or importer or agent in the sale and shipment of concentrated commercial feeding stuffs in bulk, to furnish the purchaser with tags to cover, at the regular tonnage rate of twenty tags per ton. For instance, if Cotton Oil Co., manufacturers, or Jones & Co., importers, sell to Roberts & Son, ranchmen, Odessa, Texas, a carload of loose cake, it will be the duty of Cotton Oil Co. or Jones & Co. to transmit to Roberts & Son tags sufficient to cover the shipment. In the event that Roberts & Son fail to receive these tags simultaneously with the shipment it will be their duty to immediately notify the Feed Control Service. A complete record of such sales, with number of tags furnished, should at all times be kept by manufacturers, agents or importers, for the information of the Feed Control Service.

*Penalties.*—The penalty for using any bag, box or barrel, or any other receptacle into which to put a product other than one bearing the name

of such mill manufacturing the product, is a fine of any sum from one hundred dollars (\$100.00) to one thousand dollars (\$1000.00) or confinement in the county jail for a term of thirty (30) days or both such fine and imprisonment.

The penalty for selling or offering for sale concentrated commercial feeding stuffs without tax tags, or with a label stating that the feeding stuff contains substantially a larger percentage of protein, crude fat or nitrogen-free extract, or a smaller quantity of crude fiber than it does contain, is a fine of not less than one hundred dollars (\$100.00) nor more than five hundred dollars (\$500.00) for the first conviction, and not less than five hundred dollars (\$500.00) nor more than one thousand dollars (\$1000.00) for each subsequent conviction.

A fine of not more than five hundred dollars (\$500.00) is the penalty for counterfeiting or using a tax tag the second time. This penalty may be increased for subsequent offenses. The law provides that one-half the fine be paid to the informer.

The penalty for selling adulterated feeding stuffs is a fine of not less than twenty-five dollars (\$25.00) or imprisonment in the county jail for not less than thirty (30) days and not more than sixty (60) days, or both such fine and imprisonment.

Copy of the feeding stuff law and blank forms for registering feeding stuffs for sale, will be furnished upon request.

*Feeders Must Inform Themselves.*—Feeds must be wholesome. They must be composed of hays, grains and the by-products of the various grains, with the elimination of all unnecessary or injurious substances. In order to secure the full benefit of the feeding stuff law, feeders must familiarize themselves with the meaning of the terms "protein," "fat," and so forth; they must read the information on the tax tags on the feeding stuffs they purchase, and understand the meaning of the guarantee thereon. Every feeder should know, for example, that cotton seed meal containing 49 per cent protein is worth more for feeding purposes than meal containing 43 per cent protein. Especially in the purchase of mixed feeds, the feeder should carefully consider the analysis and the materials of which it is composed. The margin of profit in feeding is at best so small that the feeder should carefully consider the composition, digestibility and prices of the various feeding stuffs before determining which he shall buy.

Publications showing the digestibility of various ingredients, and therefore indicating the real value of different feeding stuffs, may be had upon application to the Director of the Experiment Station, College Station, Texas.

*Definition of Terms.*—The Texas feed law requires a guarantee of minimum percentages of protein, fat, nitrogen-free extract, and a maximum percentage of crude fiber.

The complete analysis of a feeding stuff gives its content of water, ash, protein, fat, crude fiber, and nitrogen-free extract, expressed in percentages.

*Protein*, being the constituent of food which forms flesh, muscle, hair, ligament and other portions of the animal body, is of great importance.



It replaces the wear and tear of the animal tissue and furnishes material for additional flesh. Besides furnishing material for tissue, protein may be burned in the body to produce heat or it may serve as a source of fat in case of a deficiency in carbohydrates and fat accompanied by excess of protein. It is, however, a costly source of heat and fat.

*Value of Protein:* Protein is the most expensive portion of a feeding stuff, and feeding stuffs rich in protein usually sell for a higher price than feeding stuffs low in protein, though the difference is not as great in Texas as it is in the Northern States. With a given feeding stuff, the more protein it contains the better its quality, compared with other feeding stuffs of the same class. For example, cotton seed meal containing 48 per cent. protein is of better quality than cotton seed meal containing 45 per cent. protein. A low protein content accompanied by a high content of crude fiber indicates that the cotton seed meal contains an excessive amount of hulls.

We cannot, however, compare the value of feeding stuffs of different kinds on a protein basis alone. For example, a cotton seed meal containing 45 per cent. of protein does not have five times the value of corn chops containing 9 per cent. protein. There are other constituents of both feeding stuffs (fat and nitrogen-free extract), which are of value to the animal, and corn chops contains much more nitrogen-free extract than cotton seed meal. The digestibility of the constituents is also of importance. This is discussed in special bulletins of the Experiment Station, which may be had upon application to the director.

*Fat (or Ether Extract)* is composed mainly of fats and oils in the case of concentrated commercial feeding stuffs, but with fodders and hays it is often composed to a considerable extent of waxes, coloring matter, and other substances. Fat is used in the animal body as a source of body fat, and to furnish heat and energy. The animal requires heat to keep its body warm, and energy to run the animal mechanism, or to do the outside work. The beating of the heart, chewing, movements of the intestines, and the involuntary muscular movements require energy which is furnished by the oxidation of fats, carbohydrates or protein. One pound of fat is equal to 2.25 pounds of carbohydrates.

*Value of Fat:* Fat ranks next to protein in value as a feeding constituent. The more protein and fat a given feeding stuff contains the better its quality compared with other feeding stuffs of the same class. Cotton seed meal containing 58 per cent. of protein and fat combined, is of higher value than cotton seed meal containing 50 per cent. of protein and fat combined. Cotton seed meal is indeed often sold on the basis of its protein and fat content, as determined by chemical analysis.

As with protein alone, however, two feeds of different kinds cannot be compared on the basis of their content of protein and fat, since other factors enter into consideration. These factors will be discussed later.

*Crude Fiber* is the proportion of the plant which resists the intense action of acids and alkalis. It consists mostly of the cell walls and woody fiber of the plant and is the most indigestible part of the feeding stuff. By means of fermentation in the intestines, crude fiber is di-

gested to some extent by animals which chew the cud. The operation, however, consumes so much energy that a large proportion of the value of the crude fiber is taken up by the process of digestion. Hays and fodders and other roughages generally contain much crude fiber, but concentrated feeding stuffs contain comparatively small quantities of it.

*Value of Crude Fiber:* Crude fiber is the woody and less digestible portion of a feeding stuff. The more crude fiber a feeding stuff contains the poorer its quality compared with other feeding stuffs of the same class. Feeding materials of low commercial value and of low value to the animal, such as straw, cotton seed hulls, rice hulls, oat hulls, corn cobs, and so forth, contain large quantities of crude fiber, and their addition to a concentrated feeding stuff increases its content of crude fiber. Thus, if the crude fiber in cotton seed meal exceeds certain limits, it indicates that the meal is adulterated with cotton seed hulls. In a similar way, crude fiber in excess of a given minimum indicates corn cobs or corn bran in corn chops; rice hulls in rice bran, and so on. The amount of crude fiber is much more sensitive indication of the low quality or of adulteration than the protein and fat, since the adulterants generally contain large percentages of crude fiber.

To repeat, the more crude fiber a feeding stuff contains the poorer its quality compared with other feeding stuffs of the same class. This also holds good in comparing feeding stuffs of different kinds, but not entirely; we must also consider the protein and fat content of the two kinds of feeding stuffs. Thus, wheat bran contains considerably more crude fiber than corn chops, but has a higher value when protein is worth more than fat and nitrogen-free extract.

*Nitrogen-free extract* is composed of starch, sugar, dextrin, and other substances of a similar nature. These substances are mostly carbohydrates; that is, they contain carbon and hydrogen and oxygen in proportions to form water. Crude fiber is also composed largely of carbohydrates.

*Value of Nitrogen-free Extract:* The nitrogen-free extract of most concentrated commercial feeding stuffs, such as corn chops, wheat bran, cotton seed meal, kafir, and so forth, is composed largely of sugars and starches which are readily digested and have considerable value to the animal.

The nitrogen-free extract of wheat skins, corn bran, corn cobs, rice hulls, hays and straws, and similar feeding stuffs, is composed mostly of other substances than sugar and starch, and has a lower value to animal. The nitrogen-free extract of these two kinds of feeding stuffs, therefore, cannot be compared directly.

In general, we may say that the more protein, fat and nitrogen-free extract, and the less crude fiber and ash, a given feed contains, compared with other feeding stuffs of the same kind, the better the quality.

The same statement also holds in comparing feeding stuffs of different kinds, but not altogether, since in comparing feeding stuffs of different kinds we must also consider the digestibility and the productive value of the digested materials.

*Ash* is the residue left when the plant is burned. It represents mostly the mineral portion of the plant and the portion which comes from the soil, although a part of the ingredients withdrawn from the soil are volatilized during combustion. Nitrogen particularly is driven out completely. Ash is valuable to the animal, inasmuch as it furnishes material for bone, and some constituents of it, particularly the phosphoric acid and sulphur, are essential constituents of the animal cell.

*Value of Ash:* Ash is necessarily present in feeding stuffs. An excessive amount indicates contamination with dirt, sand, or other mineral matter. Too little ash in the ration feed may give rise to disorders, especially in young animals.

*Water (moisture)* is always contained in feeding stuffs, but since it is furnished for the most part in liquid form it cannot be considered as having any special nutritive value.

*Value of Water:* The more water a feeding stuff contains the less of the other nutrients it contains, and the more liable it is to be injured by heating, mold, and so forth. The water content of feed varies, being larger in fresh grain.

*Enforcement of the Law.*—Enforcement of the feeding stuff law is a matter of protection to the feeder against adulteration with low grade feeding stuffs, and affords protection to honest dealers and manufacturers of feeding stuffs against dishonest competition. When a feeding stuff is adulterated it is by means of the introduction of cheaper or low grade materials. There is a tendency on the part of some manufacturers to lower the feeding value of feeding stuffs, for the purpose of reducing the price of a given product. Deputy feed inspectors travel continuously throughout the year, visiting all sections of the State, examining feeding stuffs for adulteration, false weights, untagged goods, and other violations; collecting information concerning feeding stuffs, giving information to the farmer, feeder and miller, and taking samples of feeding stuffs offered for sale. The samples collected are forwarded to the Feed Control Service, at College Station, and submitted to the State Chemist, who is chemist to the Feed Control Service. They are then submitted to physical and chemical analysis. If physical analysis shows the presence of adulterants the manufacturer or importer is notified that registration is cancelled, and he is no longer permitted to offer this product for sale until properly registered and tagged. Prosecution often follows.

Inspection samples are analyzed in the order in which they are received in the office, the purpose of analysis being to verify the guarantee made by the manufacturer and to see that they maintain the standard adopted for such feeding stuffs.

*Complaints:* Upon receiving a complaint that the feed law is being violated a thorough investigation is made, often necessitating sending an inspector to see the complainant. The inspector gathers evidence, reports fully to headquarters, and such action is then taken as will give justice to both miller and consumer.

*What has Been Accomplished.*—Some of the results of the feed law are as follows:

(1) It has placed the feeding stuff trade on such a basis that mixtures of corn chops, wheat bran, wheat shorts, cotton seed meal, and other products with corn bran, screenage, sweepings, cotton seed hulls and such materials, are now sold *for what they really are*, and not as pure corn chops, wheat bran, cotton seed meal, and so forth.

(2) It has equalized and promoted uniformity in the selling price of feeding stuffs.

(3) It has induced farmers and feeders to investigate the relative values of feeding stuffs and has thus increased the sale of feeding stuffs of known value.

(4) It has prevented the sale of a number of worthless feeding stuffs.

(5) It has encouraged the manufacturers to maintain a high standard.

(6) It has prevented the shipment into the State of inferior feeding stuffs, barred from other States that have feeding stuff laws.

(7) It has prevented the sale of adulterated feeds as pure products.

*Co-operation with the United States Department of Agriculture.*—On March 9, 1912, the Director received a commission from the United States Department of Agriculture to collect samples of feeding stuffs and other products as defined in the Texas feeding stuffs law, which are manufactured or offered for sale in the District of Columbia or in any State or Territory of the United States, or which shall be offered for sale in unbroken packages in any State other than that in which they shall have been respectively manufactured or purchased, for examination under the direction or supervision of the Bureau of Chemistry, at Washington, D. C.

By means of this appointment the Director of the Experiment Station and his assistants are authorized to procure samples under the Federal Food and Drugs Act without the necessity of waiting, as previously, for the services of a Federal inspector, and by this commission we are in a much better position to control interstate shipments and protect the purchaser who buys feeding stuffs manufactured outside of the State of Texas.

*Relation to the Experiment Station.*—The Texas Agricultural Experiment Station is carrying on investigations of the chemical composition, digestibility and nutritive values of feeding stuffs. It is also conducting feeding experiments at College Station, and at other points in the State. The Feed Control Service, therefore, is in the position to secure expert advice and assistance with respect to various problems arising under the operation of the law. The Veterinary Division of the Experiment Station, for example, has tested various feeding stuffs suspected of having caused the death of live stock by poisoning. The Division of Chemistry has made a study of the moisture in corn chops as related to the spoiling of this product—a matter which has caused great losses during years past, especially during the spring of 1912. The Division of Chemistry has also investigated and still has under investigation, various methods for the examination of feeding stuffs with respect to adulteration. The connection with the Experiment Station is thus of advantage both to the Feed Control Service and to the Experiment Station. The Feed Control

Service brings various problems to the attention of the Experiment Station which require solution.

Bulletins of the Feed Control Service are sent out by the Experiment Station from time to time. These publications are sent free upon application.

*Educational Value of Feed Control Service.*—When the feed law first went into effect in Texas most of the millers knew very little of the composition of feeding stuffs. Analyses were made for the purpose of complying with the law by chemists who had little knowledge of feeding stuffs, whatever their qualifications. The results of some of these analyses were very surprising indeed. The Feed Control Service thus had, in the beginning, considerable educational work to do among the manufacturers, supplying them with various information in regard to the law and the composition and nature of feeding stuffs. Many millers were not permitted to make guarantees which they could not possibly maintain. At the present time the manufacturers have become more or less familiar with the law, the chemical analyses of feeding stuffs and their significance, but there is much educational work to be done among the feeders. The Feed Control Service, therefore, includes in its bulletins information concerning the protein, fat and other constituents of feeding stuffs, and other information concerning the nature and value of the various feeding stuffs, and endeavors to circulate its bulletins as widely as possible among the farmers and feeders of the State, so that they may have information concerning feeding stuffs in general, and the specific feeding stuffs in particular available in various markets of the State.

*Standards and Definitions.*—The law empowers the Director of the Experiment Station to adopt names, standards and definitions for feeding stuffs. He may refuse the registration of any feeding stuff under a name which would be misleading as to the materials of which it is made, or which does not conform to the standards and definitions adopted. If a feeding stuff is registered and then discovered to be in violation of the standards and definitions adopted, the director has the power to cancel registration after ten days' notice.

Feeding stuffs cannot be sold under names that are false or misleading. Should the manufacturer desire to use a name not included in the list herein given, it will be well for him to correspond with the Feed Control Service before making application for registration.

The following standards and definitions have been adopted:

#### CORN PRODUCTS.

*Corn Chops* consists of the pure grain of corn from sound seed and good quality, chopped. It should contain not less than 9 per cent. of protein, 3.5 per cent. of fat, and not more than 3 per cent. of crude fiber.

*Ear Corn Chops* is husked corn and cob chopped, with not a greater proportion of cob than occurs in the ear corn in its natural state. It must contain not less than 8 per cent. of protein, 3 per cent. of fat,

and not more than 8 per cent. of crude fiber. The percentages of grain and cob must be shown on the tax tag.

*Ear Corn Meal* corresponds to ear corn chops. The percentages of grain and cob must be shown on the tax tag.

*Corn Bran* is the outer covering of the corn grain, and must contain not less than 8 per cent. of protein, 3 per cent. of fat, and not more than 12 per cent. of crude fiber.

*Hominy Feeds, Hominy Meal* or *Hominy Chops*, is a mixture of the bran coating, the germ and a part of the starchy portion of the corn kernel, obtained in the manufacture of hominy grits for human consumption. It must contain not less than 10 per cent. of protein, 10 per cent. of fat, and not more than 7 per cent. of crude fiber.

*Corn Feed Meal* is the sifting obtained in the manufacture of cracked corn and table meal made from the whole grains. It must contain not less than 8 per cent. of protein, 3 per cent. of fat, and not more than 4 per cent. of crude fiber.

#### WHEAT PRODUCTS.

*Pure Wheat Bran* is the outer covering of the wheat grain, with or without shorts, and must contain not less than 14.5 per cent. of protein, 3 per cent. of fat, and not more than 10 per cent. of crude fiber.

*Wheat Bran and Screenings* is pure wheat bran with screenings not to exceed mill run, or 8 per cent.

*Mixed Wheat Bran and Screenings* includes all mixtures of wheat bran and screenings containing more than 8 per cent. of screenings.

*Wheat Shorts* is the starchy portion of the wheat seed, and must contain not less than 15 per cent. of protein, 3 per cent. of fat, and not more than 5 per cent. of crude fiber.

*Wheat Chops* is the entire grain of sound wheat, chopped. It must contain not less than 14 per cent. of protein, 2 per cent. of fat, and not more than 5 per cent. of crude fiber.

#### COTTON SEED PRODUCTS.

*Cotton Seed Meal* is composed of the decorticated kernels of cotton seed, free from excess of hulls and other foreign materials. It should contain not less than 43 per cent. of protein, 7 per cent. of fat (not less than 50 per cent. of protein and fat combined), and *not over* 9 per cent. of crude fiber.

*Cotton Seed Cake* should correspond to cotton seed meal in composition.

*Cotton Seed Meal and Hulls* is any mixture of cotton seed meal and hulls containing not less than 9 per cent. and not more than 20 per cent. of crude fiber.

*Mixed Cotton Seed Meal and Hulls* is any mixture of cotton seed meal

and hulls containing not less than 20 per cent. and not more than 40 per cent. of crude fiber.

*Cold Pressed Cotton Seed* is the product obtained by subjecting undecorticated cotton seed to the cold pressure process for the extraction of the oil, and includes the entire cotton seed, less the lint and oil extracted.

*Ground Cold Pressed Cotton Seed* is cold pressed cotton seed, ground.

#### RICE PRODUCTS.

*Rice Bran* is the cuticle of the rice grain, and must contain not less than 11 per cent. of protein, 10 per cent. of fat, and not more than 12 per cent. of crude fiber.

*Rice Polish* is the finely powdered material secured in polishing rice. It must contain not less than 11 per cent. of protein, 6 per cent. of fat, and not more than 4 per cent. of crude fiber.

#### KAFIR AND MILO PRODUCTS.

Because of the fact that the correct designation of the products heretofore referred to in Feed Control Service bulletin as "Kafir Corn" and "Milo Maize" are "kafir" and "milo," one "f" has been dropped from the word "kaffir," and the words "corn" and "maize" have been omitted from the two names. Millers are requested to conform to these changes in the names of their kafir and milo products.

*Kafir Chops* consists of the entire grain removed from the head and chopped. It must contain not less than 9 per cent. of protein, 2.5 per cent. of fat, and not more than 3.5 per cent. of crude fiber.

*Kafir Head Chops* consists of the entire head chopped. It must contain not less than 8 per cent. of protein, 2.5 per cent. of fat, and not more than 8 per cent. of crude fiber.

*Milo Chops* consists of the entire grain removed from the head and chopped. It must contain not less than 9 per cent. of protein, 2.5 per cent. of fat, and not more than 3.5 per cent. of crude fiber.

*Milo Head Chops* consists of the entire head, chopped. It must contain not less than 8 per cent. of protein, 2.5 per cent. of fat, and not more than 8 per cent. of crude fiber.

#### MIXED PRODUCTS.

*Mixed Bran* consists of a mixture of wheat bran and corn bran, or rice bran. It must not contain any materials *not bran*. The percentage of each ingredient must be stated on tax tag.

*Corn Bran and Wheat Bran* or *Wheat Bran and Corn Bran* consists of a mixture of corn bran and wheat bran, and the percentage of each must be stated on the tax tag.

*Mixed Feed* is a mixture of wholesome feeding stuffs. The name and percentage of each ingredient used in the feeding stuff must be stated

in the registration. If corn cobs, ground hay, rice hulls, corn bran, or similar materials are present in the feeding stuff, the *name of each ingredient*, and the *name and percentages of each adulterant must be also shown on the tax tag*.

*Poultry Feed* is a mixed feed, and is no exception to the names, definitions and standards set forth in this bulletin.

Any other names must have the approval of the Feed Control Service.

#### ADULTERANTS.

Any feeding stuff which contains corn cobs, peanut hulls, rice hulls, oat hulls, chaff, ground hay or straw, roughage, or any other feeding stuff of low feeding value, is considered as adulterated. The percentage of each ingredient of such adulterated feeding stuff must be stated in the registration. The name of each ingredient, and the percentage of each adulterant must be printed on the tax tag.

*Average Composition of Concentrated Commercial Feeding Stuffs.*—Table I shows the average composition of the concentrated commercial feeding stuffs, the analyses of which are printed in this bulletin.

TABLE I.

Average Content of Protein, Fat, Crude Fiber, Nitrogen-Free Extract, Water and Ash in Feed Control Samples.

Number of Samples	Name of Feeding Stuff	Protein	Crude Fat	Crude Fiber	Nitrogen-Free Extract	Water	Ash
10	Alfalfa Meal.....	13.86	1.88	29.40	38.36	8.37	8.13
2	Barley Chops.....	11.88	1.58	5.33	69.47	9.16	2.58
177	Corn Chops.....	10.37	3.78	2.48	70.98	11.07	1.32
7	Corn Bran.....	10.32	5.49	7.90	64.63	9.38	2.28
4	Corn Feed Meal.....	10.26	3.73	2.92	70.51	10.76	1.82
1	Corn Germ Meal.....	10.81	3.96	4.88	66.20	11.08	3.07
3	Corn and Cob Meal.....	8.62	3.80	8.14	66.33	11.85	1.26
29	Cold Pressed Cottonseed Cake.....	25.79	7.55	25.31	29.26	8.04	4.05
4	Cold Pressed Cottonseed Meal.....	29.29	8.56	20.87	29.11	7.85	4.32
69	Cottonseed Cake.....	45.18	7.94	8.98	25.12	7.54	5.24
259	Cottonseed Meal.....	44.84	8.66	9.08	25.29	6.76	5.37
1	Dried Brewers' Grains.....	26.96	5.45	16.82	42.11	5.13	3.53
5	Ear Corn Chops.....	9.12	3.75	5.31	69.96	10.07	1.79
2	Ground Oats.....	11.77	3.83	11.96	57.14	11.95	3.35
1	Hog Flour.....	16.34	4.07	5.63	61.62	9.06	3.28
4	Hominy Feed.....	10.65	6.11	5.29	65.46	10.18	2.31
27	Kafir Corn.....	11.00	3.04	2.38	70.22	11.27	2.09
4	Kafir Head Chops.....	10.00	3.09	6.72	67.05	10.22	2.92
1	Kafir Meal.....	11.27	1.71	1.97	68.29	15.22	1.54
48	Maize Chops.....	11.06	2.86	2.65	71.05	10.58	1.80
18	Maize Head Chops.....	10.27	2.49	5.96	68.14	9.85	3.29
1	Maize Meal.....	10.91	2.57	3.14	71.28	10.07	2.03
34	Mill Run Bran.....	17.17	3.94	7.84	55.92	10.07	5.06
38	Rice Bran.....	11.99	12.03	12.98	43.19	9.63	10.18
15	Rice Polish.....	11.95	10.35	2.88	60.52	8.99	5.31
69	Wheat Bran.....	17.48	3.83	8.69	54.54	9.90	5.56
7	Wheat Chops.....	15.00	2.12	3.59	67.55	9.72	2.02
46	Wheat Shorts.....	17.01	3.11	3.76	64.71	8.81	2.60

It will be observed that some of the above averages are below the standard required by the Feed Control Service. This is explained by the fact that the samples analyzed include the inspectors' samples, many of which were found to be below the requirements.

#### FEED CONTROL SERVICE ANALYSES.

The following pages contain a detailed report of analyses completed during the season of 1912-1913.



## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
12071	1695A	<i>Abernathy, E. M., Lexington, Okla.</i>				
		Alfalfa Meal—Guaranteee.....	14.00	1.20	33.00	33.00
		Manufacturer's Sample.....	17.87	1.91	22.95	39.42
		<i>Acme Feed Mill, Houston, Texas.</i>				
10896	125T	Irish Mixed Feed—Guaranteee.....	9.00	5.00	17.00	45.00
11753	257T	Inspector's Sample.....	9.13	3.95	14.65	48.35
12009	358T	Inspector's Sample.....	7.91	2.53	14.50	51.68
		Inspector's Sample.....	7.41	2.33	18.53	45.70
		American Stock Feed—Guaranteee.....	9.00	5.00	15.43	49.85
11738	256T	Inspector's Sample.....	7.50	2.76	18.74	47.80
11754	254T	Inspector's Sample.....	7.52	3.21	19.20	44.45
11996	355T	Inspector's Sample.....	7.85	3.14	19.34	46.01
		Square Deal Stock Mixed Feed—Guaranteee.....	11.00	5.00	10.00	58.00
11752	258T	Inspector's Sample.....	13.12	2.94	13.40	53.93
12006	356T	Inspector's Sample.....	12.30	3.63	13.55	52.16
		<i>Acme Milling Co., Oklahoma City, Okla.</i>				
11509	212T	Wheat Bran—Guaranteee.....	14.00	3.00	10.00	50.00
		Inspector's Sample.....	17.57	3.04	8.57	46.74
		<i>Adams and Co., Floresville, Texas.</i>				
11622	1639A	Corn Chops—Guaranteee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.00	4.53	2.89	70.58
		<i>Aetna Mill and Elevator Co., Wellington, Kan.</i>				
11386	319R	Wheat Bran—Guaranteee.....	14.00	3.50	10.00	50.00
		Inspector's Sample.....	16.85	3.39	10.60	52.86
		<i>Alamo Milling Co., San Antonio, Texas.</i>				
10723	1533A	Corn Chops—Guaranteee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.07	3.40	1.92	71.45
		<i>Alamo Oil and Refining Co., San Antonio, Texas.</i>				
11005	143T	Cotton Seed Meal—Guaranteee.....	44.00	6.00	9.00	22.00
		Inspector's Sample.....	45.56	7.29	9.34	25.23
11775	281T	Inspector's Sample.....	46.37	7.17	9.72	26.13
		<i>Alice Cotton Oil Co., Alice, Texas.</i>				
10975	136T	Cold Pressed Cotton Seed Cake—Guaranteee.....	28.00	5.50	25.00	27.00
		Inspector's Sample.....	27.81	7.24	24.36	29.62
		<i>Alfalfa Grain and Lumber Co., Ballinger, Texas</i>				
10710	1539A	Pure Corn Chops—Guaranteee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.44	3.30	2.16	71.59
		<i>Alfalfa Stock Food Co., Wichita, Kan.</i>				
11104	423G	Alfalfa Meal—Guaranteee.....	14.00	1.50	30.00	35.00
		Manufacturer's Sample.....	11.44	1.98	38.48	32.72
		<i>Alliance Milling Co., Denton, Texas.</i>				
11570	251M	Corn Chops—Guaranteee.....	9.18	4.16	2.60	72.47
		Inspector's Sample.....	9.18	3.50	2.93	67.50
		<i>Alliance Rice and Milling Co., Houston, Texas.</i>				
11903	1675A	Rice Bran—Guaranteee.....	12.00	12.00	15.00	38.00
		Manufacturer's Sample.....	11.51	11.87	16.15	39.03
		<i>Allneeda Mills Co., East St. Louis, Ill.</i>				
11266	1602B	Jersey Sugar Feed—Guaranteee.....	10.40	1.80	27.60	56.00
		Manufacturer's Sample.....	10.50	.44	16.41	48.92
11267	1602C	Dexter Horse and Mule Feed—Guaranteee.....	10.90	3.50	11.70	52.37
		Manufacturer's Sample.....	10.69	2.18	13.00	56.85
11268	1602D	Butter Fat Dairy Feed—Guaranteee.....	16.95	3.50	10.62	51.70
		Manufacturer's Sample.....	12.87	1.65	12.95	53.64
11269	1602E	Allneeda Horse and Mule Feed—Guaranteee.....	11.50	3.51	10.96	53.06
		Manufacturer's Sample.....	10.84	2.33	10.19	59.99
11270	1602G	Allneeda Hen Feed—Guaranteee.....	10.41	3.28	3.24	70.62
		Manufacturer's Sample.....	10.65	2.99	2.94	71.90
		<i>Amarillo Mill and Elevator Co., Amarillo, Texas.</i>				
10701	149M	Wheat Bran—Guaranteee.....	16.00	3.25	8.42	54.00
		Inspector's Sample.....	15.98	3.00	7.18	56.24

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11876	1666A	American Brewing Ass'n, Houston, Texas.				
		Dried Brewers' Grains—Guarantee.....	25.00	5.90	14.37	35.00
		Manufacturer's Sample.....	26.96	5.45	16.82	42.11
11846	1664A	American Cotton Hull and Fiber Co., Memphis, Tenn.				
		"Cyclone" Mixed Feed—Guarantee.....	20.00	3.00	23.00	38.00
		Manufacturer's Sample.....	20.31	3.90	27.15	37.15
11922	1510A	American Milling Co., Peoria, Ill.				
		Sucrene Alfalfa Horse and Mule Feed— Guarantee.....	11.00	2.50	12.00	50.00
		Manufacturer's Sample.....	12.35	3.57	14.03	53.32
11926	1510D	Sucrene Dairy Feed—Guarantee.....	16.50	3.50	12.00	46.00
		Manufacturer's Sample.....	16.43	4.68	13.66	46.81
11075	292R	C. Amsler's Estate, Hempstead, Texas.				
		Cotton Seed Meal—Guarantee.....	43.00	9.00	5.00	24.00
		Inspector's Sample.....	41.98	11.57	7.74	26.28
11470	136W	Anderson County Cotton Oil Co., Palestine, Texas.				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	8.00	22.00
		Inspector's Sample.....	44.82	8.63	6.09	27.37
11886	320T	Anthony Milling Co., Anthony, Kan.				
		Wheat Shorts—Guarantee.....	15.00	3.50	4.50	55.00
		Inspector's Sample.....	18.92	4.35	7.09	55.14
11919	1444E	Mill Run Bran and Screenings—Guarantee	14.50	3.50	10.00	50.00
		Manufacturer's Sample.....	17.00	3.48	8.63	56.48
11131	1581A	W. O. Appleby, Carnegie, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.87	4.16	2.61	71.61
11136	1587A	Archer Grain and Lumber Co., Purcell, Okla.				
		Pure Corn Chops—Guarantee.....	9.54	3.99	2.58	70.98
		Manufacturer's Sample.....	9.93	3.58	2.73	71.48
11315	96W	Arkadelphia Milling Co., Arkadelphia, Ark.				
		Mill Run Bran—Guarantee.....	15.00	3.50	10.00	50.00
		Inspector's Sample.....	15.81	3.42	7.98	57.89
11431	869J	Mixed Bran—Guarantee.....	14.00	3.50	10.00	50.00
		Manufacturer's Sample.....	13.47	5.01	7.33	59.97
11420	869K	Mill Run Bran and Hominy Feed—Guarantee	14.00	3.00	10.00	50.00
		Manufacturer's Sample.....	14.16	3.45	8.48	58.06
11825	869L	Bon Ami Little Chick Poultry Feed— Guarantee.....	11.00	3.50	5.00	65.00
		Manufacturer's Sample.....	11.00	2.49	3.17	73.33
11821	869M	Certain Feed Corn Chops and Mill Run Bran—Guarantee.....	11.00	7.50	7.00	60.00
		Manufacturer's Sample.....	9.24	2.23	2.89	69.39
11819	869N	Chantileer Scratch Grain Poultry Feed— Guarantee.....	11.00	3.50	5.00	65.00
		Manufacturer's Sample.....	11.42	3.41	3.94	71.32
11800	869O	Hominy Feed—Guarantee.....	11.00	7.50	7.00	60.00
		Manufacturer's Sample.....	11.82	8.09	6.33	60.93
11252	1608A	H. G. Arnold, Silverton, Texas.				
		Kafir Head Chops—Guarantee.....	8.00	2.50	8.00	70.00
		Manufacturer's Sample.....	9.50	2.87	7.42	65.89
11694	266T	Artesia Alfalfa Milling Co., Artesia, N. M.				
		Alfalfa Meal—Guarantee.....	13.00	1.50	30.00	46.00
		Inspector's Sample.....	17.27	1.99	20.84	39.86
11777	284T	Atlantic Rice Mills Co., Beaumont, Texas.				
		Rice Bran—Guarantee.....	12.00	8.00	12.00	40.00
10876	12W	Inspector's Sample.....	9.09	7.57	22.93	38.62
11460	144W	Inspector's Sample.....	9.72	9.27	17.60	40.43
		Inspector's Sample.....	12.18	11.59	12.81	42.42
10877	13W	Rice Polish—Guarantee.....	11.00	6.00	2.50	62.00
		Inspector's Sample.....	12.75	12.10	3.21	55.53

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Aubrey Milling Co., Aubrey, Texas.</i>				
		Wheat Bran, Shorts and Corn Bran— Guarantee.....	14.50	3.50	10.00	50.00
11370	1229C	Manufacturer's Sample.....	15.05	3.75	8.27	57.48
		Wheat and Corn Bran—Guarantee.....	14.50	3.50	10.00	50.00
11302	205M	Inspector's Sample.....	15.75	3.94	8.42	56.65
11457	132W	Inspector's Sample.....	16.50	3.86	9.72	54.21
11458	133W	Inspector's Sample.....	16.18	3.86	8.13	56.78
		<i>Austin Mill and Grain Co., Brownwood, Texas.</i>				
		Corn Chops—Guarantee.....	9.25	3.90	2.50	70.00
11541	398R	Inspector's Sample.....	9.60	3.65	2.25	70.21
		Wheat Bran—Guarantee.....	16.00	3.75	8.50	55.00
11530	399R	Inspector's Sample.....	18.41	3.56	8.97	52.02
		Mixed Feed—Guarantee.....	12.00	3.40	8.00	60.00
11586	397R	Inspector's Sample.....	15.63	3.30	6.24	60.53
		<i>Austin Oil and Manufacturing Co., Austin, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
11393	127W	Inspector's Sample.....	47.29	8.08	7.97	25.47
		Cotton Seed Cake—Guarantee.....	43.00	7.00	8.00	22.00
11394	128W	Inspector's Sample.....	47.60	7.50	8.79	23.90
		<i>John Axe, Hamby, Texas.</i>				
		Mixed Fede—Guarantee.....	14.00	2.00	6.00	50.50
11361	1625A	Manufacturer's Sample.....	12.79	3.00	5.16	66.60
		<i>Baird Light and Ice Co., Baird, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11631	1641A	Manufacturer's Sample.....	9.06	2.16	2.88	66.66
		<i>Ballinger Cotton Oil Co., Ballinger, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	23.00
10837	233R	Inspector's Sample.....	45.85	11.74	8.22	24.62
11615	432R	Inspector's Sample.....	43.62	7.80	10.60	27.42
		Cotton Seed Cake—Guarantee.....	44.00	7.00	9.00	23.00
10836	232R	Inspector's Sample.....	47.11	9.51	8.07	25.09
11609	433R	Inspector's Sample.....	44.50	7.56	9.89	25.81
		Jersey Cream Cow Feed—Guarantee.....	9.50	3.00	45.00	30.00
10838	234R	Inspector's Sample.....	12.13	3.40	40.37	34.56
11732	431R	Inspector's Sample.....	10.12	3.13	45.20	31.37
		<i>Barkemeyer Grain Co., Floydada, Texas.</i>				
		Maize Chops—Guarantee.....	9.50	3.00	2.50	71.00
12066	1691A	Manufacturer's Sample.....	11.03	2.56	2.02	70.64
		<i>J. R. Barnes, Estelline, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
11112	1569A	Manufacturer's Sample.....	9.81	3.46	2.11	66.84
		Milo Maize Head Chops—Guarantee.....	8.50	2.25	3.00	65.00
11238	1569B	Manufacturer's Sample.....	10.95	2.93	5.62	66.35
		Corn and Cob Meal—Guarantee.....	7.75	3.25	6.25	65.00
11239	1569C	Manufacturer's Sample.....	8.72	3.67	7.57	65.33
		<i>The Barteldes Seed Co., Oklahoma City, Okla.</i>				
		Barteldes O. K. Dry Mash—Guarantee.....	15.00	11.06	14.06	57.07
11857	1672A	Manufacturer's Sample.....	16.14	3.50	12.09	49.53
		Barteldes O. K. Scratching Food—Guaran- tee.....	11.94	3.50	4.08	34.71
11855	1672B	Manufacturer's Sample.....	12.00	3.07	3.41	67.76
		Barteldes O. K. Chick Food—Guarantee.....	12.08	3.60	2.07	68.72
11856	1672C	Manufacturer's Sample.....	11.58	3.08	3.75	67.13
		Barteldes O. K. Pigeon Food—Guarantee.....	13.05	3.05	3.00	71.00
11858	1672D	Manufacturer's Sample.....	12.62	2.51	3.07	69.16
		<i>Bartlett Oil Mill, Bartlett, Texas.</i>				
		Cold Pressed Cotton Seed Cake—Guarantee.....	24.00	7.00	25.00	27.00
11311	92W	Inspector's Sample.....	27.66	6.38	28.01	27.24
		<i>Bay City Grain Co., Bay City, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
10726	1537A	Manufacturer's Sample.....	9.10	3.36	2.59	71.44
		Mixed Kaffir and Maize—Guarantee.....	9.00	2.00	3.50	71.00
12056	1537B	Manufacturer's Sample.....	11.72	2.81	2.08	71.13
		<i>Bay City Rice Milling Co., Bay City, Texas.</i>				
		Rice Bran—Guarantee.....	12.00	11.00	12.00	48.00
11086	163T	Inspector's Sample.....	14.04	16.96	8.63	43.58
11561	218T	Inspector's Sample.....	14.87	16.74	8.75	40.22

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Laboratory No.	Feed control No.	Manufacturer	Protein	Fat	Crude fiber	Nitrogen-free extract
11774	290T	<i>Paul Bean Grain Co.</i> , San Antonio, Texas.				
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.31	4.00	2.43	70.69
10686	200W	<i>Beatrice Corn Mills</i> , Lincoln, Neb.				
		Corn Germ Meal—Guarantee.....	11.00	8.00	4.00	70.00
		Inspector's Sample.....	10.81	3.96	4.88	66.20
11364	241K	<i>Beatrice Milling Co.</i> , Whitewright, Texas.				
		Mixed Bran—Guarantee.....	14.00	3.00	10.00	52.00
		Manufacturer's Sample.....	17.81	3.95	7.86	53.14
10755	169M	Wheat Bran—Guarantee.....	14.50	3.50	10.00	50.00
		Inspector's Sample.....	18.90	3.42	6.75	57.20
10759	190M	Corn Chops and Corn Bran—Guarantee.....	9.00	3.00	3.50	69.00
		Inspector's Sample.....	9.35	4.25	2.53	71.19
10883	24W	<i>Beaumont Cotton Oil and Refining Co.</i> , Beaumont, Texas.				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	38.20	11.38	12.36	25.76
10881	20W	<i>Beaumont Rice Mills</i> , Beaumont, Texas.				
		Rice Polish—Guarantee.....	11.00	6.00	3.00	60.00
11516	208T	Inspector's Sample.....	14.16	11.71	4.20	56.18
10881	19W	Rice Bran—Guarantee.....	12.42	8.97	2.63	62.19
		Inspector's Sample.....	12.00	8.00	12.00	40.00
		Inspector's Sample.....	12.11	8.21	18.91	38.89
10886	115T	<i>Beeville Cotton Seed Oil Mill Co.</i> , Beeville, Texas.				
		Cotton Seed Meal—Guarantee.....	43.00	6.00	9.00	23.00
11704	231T	Inspector's Sample.....	41.10	13.61	11.71	24.19
		Inspector's Sample.....	45.29	8.93	9.90	23.95
11148	1597A	<i>Bell Grain Co.</i> , Crowell, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11540	363R	Manufacturer's Sample.....	10.77	4.15	2.54	70.95
		Inspector's Sample.....	10.43	4.42	2.87	70.06
11149	1597B	Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Manufacturer's Sample.....	11.37	2.50	2.12	72.82
11565	365R	Inspector's Sample.....	12.33	4.15	2.43	69.33
10965	1561A	<i>Belton Mill and Elevator Co.</i> , Belton, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.45	4.60	3.14	71.17
11550	394R	<i>Belton Oil Co.</i> , Belton, Texas.				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11571	395R	Inspector's Sample.....	44.66	8.01	10.21	25.22
11011	36W	Inspector's Sample.....	42.60	6.79	13.03	25.41
		Inspector's Sample.....	47.37	7.85	7.90	24.51
11024	35W	Cracked Cotton Seed Cake—Guarantee.....	44.00	7.00	8.00	24.00
		Inspector's Sample.....	47.31	7.94	7.95	24.34
11079	153T	<i>Bellville Cotton Oil Co.</i> , Bellville, Texas.				
		Ko-Press-Ko-Kake—Guarantee.....	26.00	7.00	28.00	28.00
		Inspector's Sample.....	25.53	8.36	25.25	29.70
10819	1547A	<i>Bennett, John W.</i> , Mart, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	8.76	4.18	2.31	72.75
11915	1678A	<i>Bennett, E. W. &amp; Son</i> , Fort Stockton, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11918	1678B	Manufacturer's Sample.....	9.22	4.58	2.66	73.22
		Corn and Maize Chops—Guarantee.....	8.50	2.75	3.00	71.00
		Manufacturer's Sample.....	10.57	3.64	2.30	72.11
10962	1557A	<i>Benson, T. L.</i> , Eldorado, Texas.				
		Milo Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
10936	1557B	Manufacturer's Sample.....	12.12	2.66	2.66	71.73
		Milo Maize Head Chops—Guarantee.....	9.50	2.50	7.50	62.00
		Manufacturer's Sample.....	9.09	2.57	6.02	70.48
11872	1671A	<i>Besteiro, A. M.</i> , Brownsville, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.05	3.89	2.19	71.17

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
<i>Bewley Mills, Fort Worth, Texas.</i>						
10812	227W	Corn Chops and Corn Bran—Guarantee . . . . .	9.00	3.00	3.50	70.00
10690	216W	Inspector's Sample . . . . .	9.80	4.50	3.26	69.93
11413	314R	Inspector's Sample . . . . .	9.42	4.50	2.58	70.83
		Inspector's Sample . . . . .	10.56	4.04	3.39	69.45
		Mixed Bran—Guarantee . . . . .	14.00	3.80	7.10	56.90
10888	117W	Inspector's Sample . . . . .	20.92	3.29	8.43	53.82
11215	174T	Inspector's Sample . . . . .	18.12	3.64	8.85	53.91
10807	221W	Inspector's Sample . . . . .	19.47	3.95	9.15	54.51
10808	222W	Inspector's Sample . . . . .	18.84	3.74	8.93	55.54
10813	228W	Inspector's Sample . . . . .	19.20	4.22	8.60	55.06
11785	277T	Inspector's Sample . . . . .	18.00	4.14	7.09	57.12
11953	332T	Inspector's Sample . . . . .	18.58	3.80	8.49	55.02
		Mixed Chops and Corn Bran—Guarantee . . . . .	9.00	3.00	3.50	70.00
10811	226W	Inspector's Sample . . . . .	10.39	3.68	2.45	71.53
<i>Bissett, H. J., Skidmore, Texas.</i>						
11134	1586A	Pure Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	10.12	4.20	2.69	70.38
<i>Blackery, J. M., Stanton, Texas.</i>						
11146	1596A	Milo Maize Chops—Guarantee . . . . .	9.50	2.50	3.00	71.00
		Manufacturer's Sample . . . . .	11.72	3.31	2.36	68.04
11147	1596B	Maize Head Chops—Guarantee . . . . .	9.50	2.50	7.50	62.00
		Manufacturer's Sample . . . . .	10.52	2.51	7.89	64.69
<i>Blackwell Milling and Elevator Co., Blackwell, Texas.</i>						
11210	169T	Wheat Shorts—Guarantee . . . . .	14.00	4.00	5.00	60.00
		Manufacturer's Sample . . . . .	19.41	5.16	6.37	55.46
<i>Blanco Roller Mills, Blanco, Texas.</i>						
11352	1614A	Wheat Bran and Shorts—Guarantee . . . . .	17.50	3.85	8.40	55.00
		Manufacturer's Sample . . . . .	17.72	2.67	2.16	60.27
11350	1614B	Corn Chops—Guarantee . . . . .	9.24	3.50	2.70	62.00
		Manufacturer's Sample . . . . .	10.36	4.49	2.43	70.66
<i>Blossom Oil and Cotton Co., Blossom, Texas.</i>						
10982	188M	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	22.00
		Inspector's Sample . . . . .	40.93	7.64	13.55	26.28
<i>Blue Jacket Grain Co., Blue Jacket, Okla.</i>						
11245	1603A	Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	10.14	3.08	2.19	69.27
<i>Border Queen Milling Co., Caldwell, Kan.</i>						
10946	1445A	Mill Run Bran—Guarantee . . . . .	15.00	3.75	9.00	55.00
11515	211T	Manufacturer's Sample . . . . .	17.37	4.02	9.18	54.57
11976	373T	Inspector's Sample . . . . .	17.61	4.06	8.60	53.22
		Inspector's Sample . . . . .	18.21	4.37	8.81	53.97
11515	379R	Wheat Bran—Guarantee . . . . .	15.90	3.90	8.90	56.50
		Inspector's Sample . . . . .	17.33	4.42	10.38	50.20
<i>Bowie Cotton Oil and Gin Co., Bowie, Texas.</i>						
11496	328R	Cotton Seed Cake and Hulls—Guarantee . . . . .	41.00	8.00	10.00	24.00
		Inspector's Sample . . . . .	45.28	6.96	6.76	25.09
11505	329R	Cotton Seed Meal and Hulls—Guarantee . . . . .	41.00	8.00	10.00	24.00
10682	150M	Inspector's Sample . . . . .	43.60	8.21	9.90	26.85
10788	224R	Inspector's Sample . . . . .	42.02	9.32	10.61	25.23
		Inspector's Sample . . . . .	42.54	8.14	10.20	26.20
<i>Bowie County Cotton Oil Co., New Boston, Texas.</i>						
11284	225M	Cotton Seed Meal—Guarantee . . . . .	43.00	8.00	8.00	24.00
		Inspector's Sample . . . . .	47.51	9.04	6.93	24.25
<i>Bradish, H. J., Weatherford, Texas.</i>						
11383	322R	Unbolted Milo Maize Meal—Guarantee . . . . .	8.00	2.75	2.35	72.00
		Inspector's Sample . . . . .	10.91	2.57	3.14	71.28
11418	323R	Corn Chops—Guarantee . . . . .	9.00	3.90	3.00	70.00
		Inspector's Sample . . . . .	8.57	3.04	2.19	67.53
<i>Bradshaw, R. E., Grain Co., Houston, Texas.</i>						
11851	1053E	Magnolia Mixed Stock Feed—Guarantee . . . . .	12.00	4.50	10.00	58.00
11999	361T	Manufacturer's Sample . . . . .	10.45	3.93	7.35	56.66
		Inspector's Sample . . . . .	11.34	5.53	7.00	61.49

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Brady Cotton Oil Co., Brady, Texas.</i>				
11613	425R	Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	22.00
		Inspector's Sample.....	46.62	7.47	<b>9.56</b>	24.44
11612	426R	Cotton Seed Cake—Guarantee.....	44.00	7.00	9.00	22.00
		Inspector's Sample.....	47.78	<b>6.92</b>	8.85	24.44
		<i>Brady Oil Mill, Brady, Texas.</i>				
11605	422R	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	47.25	7.84	8.22	24.10
11607	423R	Cotton Seed Cake—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	47.44	7.61	8.43	22.88
		<i>Brazos Valley Cotton Oil Co., Waco, Texas.</i>				
11033	41W	Cotton Seed Cracked Cake—Guarantee...	45.00	6.00	8.00	24.00
		Inspector's Sample.....	45.25	7.06	<b>10.50</b>	26.07
11010	42W	Cotton Seed Meal—Guarantee.....	45.00	6.00	8.00	24.00
11318	99W	Inspector's Sample.....	48.62	6.99	6.84	25.01
		Inspector's Sample.....	<b>44.94</b>	7.16	<b>10.34</b>	26.51
		<i>Brenham Compressed Oil Mfg. Co., Brenham, Texas.</i>				
11074	291R	Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	23.00
		Inspector's Sample.....	47.16	8.01	5.96	25.72
		<i>Brown, John, Grain Co., Dalhart, Texas.</i>				
11345	1616A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.09	4.11	2.29	<b>68.49</b>
11342	1616B	Maize Head Chops—Guarantee.....	9.50	2.50	7.50	62.00
		Manufacturer's Sample.....	9.68	2.83	6.21	68.25
		<i>Brownwood Oil Mill, Brownwood, Texas.</i>				
11534	396R	Cotton Seed Meal—Guarantee.....	43.00	6.00	9.00	22.00
11603	419R	Inspector's Sample.....	46.99	7.97	7.18	26.29
		Inspector's Sample.....	49.11	6.83	8.20	23.55
		<i>Broussard Rice Mill, El Campo, Texas.</i>				
10857	105T	Rice Bran—Guarantee.....	11.00	10.00	12.00	45.00
		Inspector's Sample.....	12.25	14.88	10.98	41.42
11087	164T	Inspector's Sample.....	13.05	14.74	11.47	<b>41.55</b>
11296	190T	Inspector's Sample.....	12.28	12.43	9.89	<b>46.55</b>
10857	106T	Rice Polish—Guarantee.....	11.00	8.00	3.00	60.00
		Inspector's Sample.....	12.04	10.62	2.95	60.00
		<i>Bryan Cotton Oil and Fertilizer Co., Bryan, Texas.</i>				
10987	264R	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	23.00
10988	265R	Inspector's Sample.....	44.87	7.72	9.87	25.47
10989	266R	Inspector's Sample.....	45.25	7.91	<b>10.81</b>	23.81
11938	271M	Inspector's Sample.....	46.12	7.41	8.35	26.31
		Inspector's Sample.....	47.36	8.02	8.89	24.07
		<i>Buchel Milling Co., Cuero, Texas.</i>				
11707	235T	Corn and Cob Meal—Guarantee.....	7.75	3.25	6.25	65.00
		Inspector's Sample.....	8.95	4.00	<b>7.13</b>	76.76
		<i>Bumgardner, W. T., Brady, Texas.</i>				
11832	421R	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Inspector's Sample.....	10.14	3.90	2.27	70.84
		<i>Bunch, T. H., Commission Co., Little Rock, Ark.</i>				
11466	147W	Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	8.85	<b>3.35</b>	2.48	<b>69.94</b>
		<i>Burnett Roller Mills, Burnett, Texas.</i>				
10969	1564A	Wheat Bran—Guarantee.....	14.50	3.50	10.00	52.00
		Manufacturer's Sample.....	19.01	<b>3.32</b>	5.35	60.07
		<i>Burrus Mill and Elevator Co., Fort Worth, Texas.</i>				
11258	75E	Mixed Bran—Guarantee.....	15.00	3.50	10.00	50.00
		Manufacturer's Sample.....	16.74	4.50	9.38	53.66
		<i>Byers Cotton Oil Co., Byers, Texas.</i>				
11501	341R	New Process Cotton Seed Cake—Guarantee	26.00	6.00	25.00	30.00
		Inspector's Sample.....	27.31	7.51	<b>25.25</b>	<b>27.05</b>
		<i>Caddo Cotton Oil Co., Shreveport, La.</i>				
10875	11W	Caddo Cake—Guarantee.....	24.50	5.50	25.00	30.00
		Inspector's Sample.....	<b>23.89</b>	6.66	<b>25.09</b>	31.89

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract		
11197	84W	<i>Cameron Cotton Oil Co., Cameron, Texas.</i>						
		Cotton Seed Meal—Guarantee.....	44.00	8.00	8.00	20.00		
		Inspector's Sample.....	44.81	10.46	5.61	25.58		
11755	154W	<i>Caldwell Oil Mill Co., Caldwell, Texas.</i>						
		Cotton Seed Meal—Guarantee.....	43.00	8.00	8.00	18.03		
		Inspector's Sample.....	48.25	10.13	7.50	23.19		
11343	244D	<i>Canadian Mill and Elevator Co., El Reno, Okla.</i>						
		Straight Wheat Bran—Guarantee.....	14.50	3.50	9.00	52.50		
		Manufacturer's Sample.....	17.15	4.44	9.68	52.34		
11803	398C	<i>Carson Brothers, San Saba, Texas.</i>						
		Barley Chops—Guarantee.....	11.25	2.01	5.92	64.93		
		Manufacturer's Sample.....	15.00	1.70	5.28	66.81		
10833	174½M	<i>Celina Milling and Elevator Co., Celina, Texas.</i>						
		Wheat Shorts—Guarantee.....	14.50	3.50	8.00	55.00		
		Inspector's Sample.....	20.38	4.83	4.86	58.05		
10831	175M	Wheat Bran—Guarantee.....	15.50	3.25	9.00	55.00		
		Inspector's Sample.....	19.59	4.17	7.52	55.34		
		Mixed Feed—Guarantee.....	12.00	3.00	7.00	60.00		
11719	406R	Inspector's Sample.....	13.42	3.21	4.74	64.52		
		Kafir Corn Chops—Guarantee.....	9.50	2.75	3.00	71.00		
		Inspector's Sample.....	10.18	2.60	3.72	70.84		
11970	459R	<i>Center Cotton Oil and Mfg. Co., Center, Texas.</i>						
		Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	22.00		
		Inspector's Sample.....	46.39	15.95	4.23	22.76		
11760	168W	Mixed Hulls and Meal—Guarantee.....	10.60	2.85	38.75	32.80		
		Inspector's Sample.....	6.64	1.93	46.63	32.24		
		<i>Central Texas Cotton Oil Co., Temple, Texas.</i>						
11029	29W	Cotton Seed Cake—Guarantee.....	44.00	7.00	7.00	24.00		
		Inspector's Sample.....	45.50	7.16	9.37	25.00		
		Cotton Seed Meal—Guarantee.....	44.00	7.00	7.00	24.00		
11026	30W	Inspector's Sample.....	44.87	7.45	9.86	25.55		
		10691	212W	Inspector's Sample.....	45.60	7.20	9.38	24.72
		<i>J. D. Chaifant Grain Co., Clinton, Texas.</i>						
11440	1622A	Pure Corn Chops—Guarantee.....	9.54	3.99	2.55	70.38		
		Manufacturer's Sample.....	10.66	4.08	2.39	68.58		
		Kafir Corn Chops—Guarantee.....	10.26	3.02	2.08	72.16		
11443	1622B	Manufacturer's Sample.....	12.39	3.50	2.73	66.67		
		<i>F. B. Chamberlain Co., St. Louis, Mo.</i>						
		Imperial Hen Food—Guarantee.....	9.00	2.50	6.00	.....		
11668	1408B	Manufacturer's Sample.....	9.32	2.94	3.39	65.17		
		Imperial Chick Feed—Guarantee.....	9.00	2.50	6.00	.....		
		Manufacturer's Sample.....	11.21	2.72	3.44	64.75		
11669	1408C	Acorn Chick Feed—Guarantee.....	10.00	3.50	6.00	.....		
		Manufacturer's Sample.....	10.67	3.01	4.58	63.23		
		Acorn Hen Feed—Guarantee.....	10.00	3.50	6.00	.....		
11671	1408D	Manufacturer's Sample.....	10.34	3.40	4.23	70.54		
		11670	1408E	Manufacturer's Sample.....	10.34	3.40	4.23	70.54
		<i>W. F. Chamberlain Feed Co., St. Louis, Mo.</i>						
11664	1620A	"Perfect" Poultry Feed—Guarantee.....	9.00	2.50	6.00	.....		
		Manufacturer's Sample.....	9.56	3.33	3.68	67.73		
		"Premium" Poultry Feed—Guarantee.....	9.00	3.50	6.00	.....		
11665	1620B	Manufacturer's Sample.....	10.68	3.96	4.65	69.34		
		11362	1620C	O. U. Poultry Feed—Guarantee.....	10.00	3.50	6.00	.....
		Manufacturer's Sample.....	9.71	3.43	4.07	64.98		
10746	164M	<i>Chapman Milling Co., Sherman, Texas.</i>						
		Corn Chops—Guarantee.....	9.00	4.00	3.00	68.00		
		Inspector's Sample.....	9.31	4.44	2.42	70.90		
10744	165M	Wheat Shorts—Guarantee.....	15.75	4.25	5.00	55.00		
		Inspector's Sample.....	19.50	4.89	5.24	58.39		
		11887	313T	Inspector's Sample.....	21.24	5.04	4.84	56.10
10764	163M	Mixed Feed—Guarantee.....	14.79	4.03	10.22	55.60		
		Inspector's Sample.....	15.54	3.80	8.09	59.34		
		<i>Cherokee Mill and Elevator Co., Cherokee, Oklahoma.</i>						
11113	1570A	Mill Run Bran—Guarantee.....	16.00	3.88	8.50	53.00		
		Manufacturer's Sample.....	17.25	4.66	8.87	52.72		
		Wheat Shorts—Guarantee.....	15.50	4.00	5.00	56.00		
11114	1570B	Manufacturer's Sample.....	17.22	4.56	9.24	53.67		
		Wheat Bran—Guarantee.....	14.50	3.50	8.57	50.00		

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Cherokee Mill and Elevator Co., Cherokee, Oklahoma—Continued.</i>				
11115	1570C	Manufacturer's Sample.....	15.78	4.01	11.22	50.80
		Corn Chops—Guarantee.....	9.50	4.00	2.50	70.98
11240	1570D	Manufacturer's Sample.....	9.87	4.42	2.41	70.38
		<i>Chickasha Cotton Oil Co., Chickasha, Okla.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	23.00
11584	368R	Inspector's Sample.....	42.25	6.33	8.09	31.43
		Mixed Hulls and Meal—Guarantee.....	15.00	2.00	45.00	26.00
11731	366R	Inspector's Sample.....	10.06	2.82	39.49	36.11
		<i>Chickasha Milling Co., Chickasha, Okla.</i>				
		Pure Wheat Shorts—Guarantee.....	17.12	4.98	5.79	58.15
11173	83W	Inspector's Sample.....	19.00	4.22	6.58	54.84
		Wheat Bran—Guarantee.....	14.50	4.49	8.65	56.78
11942	339T	Inspector's Sample.....	18.34	3.82	8.51	54.09
		<i>Childress Grain and Elevator Co., Temple, Texas.</i>				
		Pure Kafir Chops—Guarantee.....	9.05	2.75	3.00	71.00
11807	1035E	Manufacturer's Sample.....	10.75	3.03	2.15	71.22
		Mixed Chops—Guarantee.....	9.25	3.00	3.00	70.50
11955	321T	Inspector's Sample.....	9.90	3.50	2.32	71.16
		<i>Christopher Brothers, Miami, Texas.</i>				
		Wheat Chops—Guarantee.....	13.00	2.00	4.00	65.00
10954	797F	Manufacturer's Sample.....	15.06	1.62	2.53	67.67
		Mixed Feed—Guarantee.....	11.00	3.00	3.00	63.00
11848	797G	Manufacturer's Sample.....	12.22	2.99	3.90	66.90
		Maize Head Chops—Guarantee.....	9.00	2.00	8.00	65.00
11789	797H	Manufacturer's Sample.....	8.62	2.59	6.10	70.63
		<i>Cisco Oil Mill, Cisco, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	45.00	7.00	8.00	22.00
10913	244R	Inspector's Sample.....	48.26	8.60	7.20	24.21
		Cotton Seed Cake—Guarantee.....	45.00	7.00	8.00	22.00
10914	245R	Inspector's Sample.....	47.75	11.42	7.24	21.17
		<i>Citizen Cotton Oil Co., Cumby, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11838	267M	Inspector's Sample.....	45.12	8.31	9.11	25.51
		<i>Citizens Mill and Brokerage Co., Seguin, Texas.</i>				
		Corn Chops—Guarantee.....	9.30	4.10	2.50	71.70
12019	401T	Inspector's Sample.....	10.58	4.28	2.54	71.90
		<i>Citizens Cotton Oil Co., Taylor, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	24.00
10968	1563A	Manufacturer's Sample.....	46.76	11.98	6.69	23.40
11199	86W	Inspector's Sample.....	46.04	11.99	7.33	22.50
		Screened Cracked Cotton Seed Cake— Guarantee.....	43.00	7.00	9.00	24.00
11351	1563B	Manufacturer's Sample.....	47.39	9.07	6.32	25.07
11200	87W	Inspector's Sample.....	45.67	11.03	6.81	25.04
		<i>City Grain and Feed Co., Kingsville, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
12064	1680A	Manufacturer's Sample.....	9.53	3.35	2.81	70.19
		Kafir Corn Chops—Guarantee.....	9.00	2.50	3.50	71.00
12083	1680B	Manufacturer's Sample.....	10.00	2.98	2.48	71.68
		Maize Chops—Guarantee.....	9.00	2.50	3.50	71.00
12084	1680C	Manufacturer's Sample.....	10.31	3.25	2.72	70.93
		<i>City Mill, Ennis, Texas.</i>				
		Mixed Feed—Guarantee.....	14.50	3.00	10.00	50.00
11368	1421F	Manufacturer's Sample.....	18.09	3.06	6.80	59.25
		Mill Run Bran—Guarantee.....	14.50	3.50	10.00	50.00
11442	1421G	Manufacturer's Sample.....	18.49	3.62	6.99	56.09
		Milo Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
11868	1421H	Manufacturer's Sample.....	10.00	2.47	2.36	72.76
		<i>Clarksville Cotton Oil Co., Clarksville, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	24.00
11282	222M	Inspector's Sample.....	46.29	10.89	8.07	23.35
		Red River Mixed Feed—Guarantee.....	10.50	2.00	43.00	25.00
11288	223M	Inspector's Sample.....	11.09	3.18	42.75	31.21



ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
<i>Clarksville Cotton Oil Co., Clarksville, Texas</i>						
Continued.						
11156	223D	Manufacturer's Sample.....	15.28	3.19	39.84	29.70
11991	344T	Inspector's Sample.....	10.75	2.83	44.68	29.98
		Cotton Seed Cake—Guarantee.....	43.00	7.00	8.00	25.00
11283	224M	Inspector's Sample.....	46.75	7.50	9.14	25.01
<i>Cleburne Oil Mill Co., Cleburne, Texas.</i>						
"Cleboco" Cattle Feed—Guarantee.....						
11815	1432C	Manufacturer's Sample.....	11.31	2.52	44.75	30.19
		Cotton Seed Meal—Guarantee.....	45.00	7.00	9.00	22.00
11391	114W	Inspector's Sample.....	45.63	8.68	9.32	24.38
		Cotton Seed Cracked Cake—Guarantee...	43.00	7.00	9.00	22.00
11388	115W	Inspector's Sample.....	43.67	7.26	9.66	24.71
<i>Cleburne Peanut and Products Co., Cleburne, Texas.</i>						
Climax Mixed Feed—Guarantee.....						
11363	1619A	Manufacturer's Sample.....	16.00	3.00	42.42	24.33
		.....	15.84	3.41	45.28	22.37
<i>Clement Grain Co., Waco, Texas.</i>						
Corn Chops—Guarantee.....						
10725	1484B	Manufacturer's Sample.....	9.00	3.00	3.00	70.00
		.....	9.35	3.84	2.65	70.63
11182	61W	Inspector's Sample.....	9.93	4.03	2.44	70.98
		Kafir Chops—Guarantee.....	9.50	2.75	3.00	71.00
10766	1484C	Manufacturer's Sample.....	12.21	3.17	2.56	68.86
		Maize Chops—Guarantee.....	9.50	2.75	3.00	71.00
11869	1484D	Manufacturer's Sample.....	11.41	2.59	2.13	71.63
11183	62W	Inspector's Sample.....	10.06	2.65	2.84	72.08
<i>Cobb &amp; Elliott Grain Co., Plainview, Texas.</i>						
Wheat Chops—Guarantee.....						
10823	898D	Manufacturer's Sample.....	13.00	2.00	5.00	60.00
		.....	17.14	2.04	2.79	67.88
		Kafir Corn Chops—Guarantee.....	9.00	2.50	3.00	71.00
10696	144M	Inspector's Sample.....	10.25	3.26	2.99	71.26
		Maize Chops—Guarantee.....	9.00	2.90	2.42	74.50
10695	145M	Inspector's Sample.....	8.69	2.90	2.42	74.50
<i>H. P. Coker, Crisp, Texas.</i>						
Corn Chops—Guarantee.....						
11629	1635A	Manufacturer's Sample.....	9.00	3.00	3.50	70.00
		.....	10.52	3.88	3.19	66.52
<i>H. C. Cole Milling Co., Chester, Ill.</i>						
Corn Chops—Guarantee.....						
10950	686C	Manufacturer's Sample.....	9.00	3.50	3.00	70.00
		.....	9.91	3.92	2.39	70.93
<i>E. T. Coleman, Plainview, Texas.</i>						
Corn Chops—Guarantee.....						
11247	1605A	Manufacturer's Sample.....	9.00	3.50	3.00	70.00
		.....	10.56	4.40	3.38	70.26
		Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
11248	1605B	Manufacturer's Sample.....	10.96	3.40	2.67	69.99
		Kafir Corn Chops—Guarantee.....	9.50	2.75	3.00	71.00
11249	1605C	Manufacturer's Sample.....	12.22	3.35	2.55	69.97
		Wheat and Oat Chops—Guarantee.....	12.00	2.25	7.00	58.00
11271	1605D	Manufacturer's Sample.....	13.75	1.74	3.81	68.95
<i>Coleman Oil Mill, Coleman, Texas.</i>						
Cotton Seed Cake—Guarantee.....						
11610	429R	Inspector's Sample.....	44.00	6.00	9.00	22.00
		.....	48.50	6.87	7.73	24.33
		Cotton Seed Meal—Guarantee.....	44.00	6.00	9.00	22.00
11606	430R	Inspector's Sample.....	49.78	8.00	6.79	22.85
<i>Collin County Mill and Elevator Co., Mc-Kinney, Texas.</i>						
Corn Chops—Guarantee.....						
10769	171M	Inspector's Sample.....	9.00	4.00	3.00	70.00
		.....	8.60	4.15	2.56	71.42
11877	442R	Inspector's Sample.....	9.75	3.62	3.29	68.39
		Pure Bran—Guarantee.....	14.50	3.50	10.00	50.00
10747	172M	Inspector's Sample.....	19.13	4.16	9.49	53.25
		Wheat Shorts—Guarantee.....	14.50	3.50	5.00	60.00
11410	119W	Inspector's Sample.....	21.51	5.42	6.85	51.79
11415	120W	Inspector's Sample.....	21.05	4.45	5.73	54.30
		Corn Bran—Guarantee.....	9.00	4.00	10.00	50.00
11896	447R	Inspector's Sample.....	12.76	6.53	6.45	64.92

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Colorado Valley Rice Milling Co., Bay City, Texas.</i>				
10855	103T	Rice Polish—Guarantee.....	12.00	9.00	3.00	60.00
		Inspector's Sample.....	11.32	8.55	1.89	63.90
10856	104T	Rice Bran—Guarantee.....	11.00	10.00	12.00	45.00
		Inspector's Sample.....	13.94	16.24	8.10	44.13
		<i>Comanche Cotton Oil Co., Comanche, Texas.</i>				
11616	415R	Cotton Seed Cake—Guarantee.....	43.00	6.50	9.00	22.00
		Inspector's Sample.....	46.25	8.66	7.80	25.53
11595	416R	Cotton Seed Meal—Guarantee.....	43.50	6.50	9.00	22.00
		Inspector's Sample.....	45.10	11.75	7.74	24.03
		<i>Cornforth Grain Co., Waco, Texas.</i>				
11666	1640A	Kafir and Maize Chops—Guarantee.....	9.00	2.75	3.00	67.00
		Manufacturer's Sample.....	11.31	2.91	2.60	70.33
		<i>Commerce Cotton Oil Co., Commerce, Texas.</i>				
10980	185M	Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	25.00
11899	274M	Inspector's Sample.....	46.04	7.27	10.07	24.56
		Inspector's Sample.....	42.60	8.34	10.48	25.15
		<i>Commerce Milling and Grain Co., Commerce, Texas.</i>				
11047	186M	Mixed Feed—Guarantee.....	14.50	4.00	9.00	55.00
		Inspector's Sample.....	19.34	3.81	8.97	53.07
		<i>A. B. Conley, Jr., Bridgeport, Texas.</i>				
10820	1549A	Wheat Chops—Guarantee.....	13.00	2.00	5.00	60.00
		Manufacturer's Sample.....	15.44	1.76	3.11	69.00
		<i>Continental Oil and Cotton Co., Abilene, Texas.</i>				
11549	386R	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	24.00
11552	388R	Inspector's Sample.....	43.79	12.09	9.14	23.12
11543	391R	Inspector's Sample.....	44.12	11.39	8.78	23.17
11336	298R	Inspector's Sample.....	43.90	11.49	10.32	22.27
		Inspector's Sample.....	44.20	8.25	10.51	24.56
11600	383R	Mixed Fee "Coweta"—Guarantee.....	10.60	3.00	40.00	30.00
11569	390R	Inspector's Sample.....	14.16	4.27	40.01	28.12
		Inspector's Sample.....	12.03	3.76	42.44	30.73
		<i>Cooper Cotton Oil Co., Cooper, Texas.</i>				
11279	218M	Cotton Seed Meal—Guarantee.....	43.00	8.00	9.00	25.00
11733	263M	Inspector's Sample.....	41.94	8.38	12.70	24.49
		Inspector's Sample.....	43.44	8.20	9.72	25.59
		<i>J. T. Cornelius, Kingsville, Texas.</i>				
11790	1653A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.75	2.73	2.56	68.06
		<i>Corno Mills Co., East St. Louis, Ill.</i>				
11930	446R	Corno Hen Feed—Guarantee.....	10.00	3.00	5.00	68.00
		Inspector's Sample.....	10.51	3.50	3.02	73.30
		<i>Corsicana Cotton Oil Co., Corsicana, Texas.</i>				
10869	1W	Cotton Seed Meal—Guarantee.....	43.00	8.00	9.00	24.00
		Inspector's Sample.....	44.12	7.64	9.36	27.29
		<i>Courand, Joseph, San Antonio, Texas.</i>				
12002	383T	Corn Chops and Corn Bran—Guarantee.....	9.00	3.00	3.50	68.00
		Inspector's Sample.....	10.34	3.98	3.05	71.73
		<i>J. C. Cowan Grain Co., Tulia, Texas.</i>				
11447	1630A	Kafir Chops—Guarantee.....	9.50	2.75	3.00	71.00
		Manufacturer's Sample.....	12.53	3.07	2.33	69.54
		Wheat Chops—Guarantee.....	13.00	2.00	5.00	60.00
11446	1630B	Manufacturer's Sample.....	14.77	1.76	2.99	67.33
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11448	1630C	Manufacturer's Sample.....	10.98	4.03	2.42	69.84
11448	1630D	Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Manufacturer's Sample.....	11.78	2.82	2.57	70.53
		<i>H. M. Cox Milling Co., Killen, Texas.</i>				
11143	1593A	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.12	3.59	2.54	71.97

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Laboratory No.	Feed control No.	Manufacturer	Protein	Fat	Crude fiber	Nitrogen-free extract
		<i>Oliver Cranston, Houston, Texas.</i>				
		Cranston's Own Mixed Chicken Feed—				
		Guarantee.....	12.15	3.13	10.52	58.37
11423	1010E	Manufacturer's Sample.....	12.21	3.13	2.43	68.00
12004	362T	Inspector's Sample.....	12.91	3.61	9.68	60.00
		<i>A. B. Crouch Grain Co., Fort Worth, Texas.</i>				
		A B C Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
10869	223W	Inspector's Sample.....	9.45	3.71	2.11	73.75
		A B C Mixed Feed—Guarantee.....	12.00	3.00	13.50	58.00
10815	230W	Inspector's Sample.....	12.46	3.11	10.59	60.23
11680	1077F	Manufacturer's Sample.....	12.71	3.24	5.11	65.60
		Mixed Chops—Guarantee.....	9.25	3.00	3.50	68.00
11678	1077E	Manufacturer's Sample.....	10.17	2.92	2.37	70.55
		Pure Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
11644	1077G	Manufacturer's Sample.....	9.87	3.92	3.36	69.62
		<i>A. B. Crouch Grain Co., Temple, Texas.</i>				
		Mixed Feed—Guarantee.....	13.00	3.25	5.75	64.00
11956	328T	Inspector's Sample.....	11.20	2.90	3.94	68.58
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
12018	378T	Inspector's Sample.....	9.57	3.82	2.71	71.12
		Mixed Feed—Guarantee.....	13.00	3.25	3.75	64.00
11986	398T	Inspector's Sample.....	12.14	3.10	4.32	67.39
		<i>Cuero Cotton Oil and Milling Co., Cuero, Texas</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
10806	89T	Inspector's Sample.....	38.57	8.86	15.17	26.92
10903	132T	Inspector's Sample.....	44.53	10.90	8.91	25.30
11174	175T	Inspector's Sample.....	44.20	8.52	10.59	24.74
11175	176T	Inspector's Sample.....	44.20	7.48	9.02	27.62
11700	236T	Inspector's Sample.....	44.25	8.74	9.18	25.21
11053	283T	Inspector's Sample.....	50.75	9.16	7.98	21.72
		<i>Cunningham Commission Co., Little Rock, Ark</i>				
		Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
11547	229T	Inspector's Sample.....	8.97	3.12	3.21	65.22
		Mixed Mill Feed—Guarantee.....	13.50	3.50	11.00	52.00
10718	1433B	Manufacturer's Sample.....	15.45	4.47	12.03	50.09
		Pulaski Mixed Horse Feed—Guarantee.....	12.00	3.50	12.00	52.00
11426	1433C	Manufacturer's Sample.....	10.98	5.43	14.72	50.50
		Wheat Bran—Guarantee.....	14.50	3.00	10.00	54.00
10707	1433E	Manufacturer's Sample.....	16.25	3.85	9.94	53.67
		Mixed Mill Feed—Guarantee.....	13.50	3.50	11.00	52.00
11427	1433F	Manufacturer's Sample.....	13.86	7.35	12.73	47.61
		<i>Dalhart Mill and Refining Co., Dalhart, Texas.</i>				
		Ground Milo Maize Head—Guarantee.....	9.50	2.50	7.50	62.00
11230	872F	Manufacturer's Sample.....	8.87	2.51	6.84	63.86
		<i>Dallas Oil and Refining Co., Dallas, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	8.00	8.00	24.00
11308	231M	Inspector's Sample.....	46.85	7.50	8.76	24.54
		Mixed Feed—Guarantee.....	11.00	2.90	40.00	35.00
11309	232M	Inspector's Sample.....	16.37	2.83	38.30	30.22
		<i>Darrogg Co., Little Rock, Ark.</i>				
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
11471	134W	Inspector's Sample.....	9.11	2.52	2.57	67.20
		<i>Dawson Oil Mill, Dawson, Texas.</i>				
		Cracked Cotton Seed Cake—Guarantee.....	44.00	7.00	7.00	24.00
11107	427B	Manufacturer's Sample.....	41.71	6.56	11.20	27.51
		<i>Decatur Cotton Seed Oil Co., Decatur, Texas.</i>				
		Cotton Seed Cake—Guarantee.....	43.00	8.00	8.00	24.00
11475	326R	Inspector's Sample.....	44.01	6.47	8.97	27.29
		Cotton Seed Meal—Guarantee.....	43.00	8.00	8.00	24.00
11481	327R	Inspector's Sample.....	45.25	10.09	7.39	24.95
		<i>De Kalb Milling Co., De Kalb, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
11632	683B	Manufacturer's Sample.....	8.60	3.50	2.03	74.94
		<i>Denton Oil and Gin Co., Denton, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11097	204M	Inspector's Sample.....	47.63	12.51	7.27	22.36

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Laboratory No.	Feed control No.	Manufacturer	Protein	Fat	Crude fiber	Nitrogen-free extract
12036	280M	<i>Denton Milling Co., Denton, Texas.</i>				
		Corn Chops and Corn Bran—Guarantee . . . . .	9.00	4.00	3.00	70.00
		Inspector's Sample . . . . .	10.00	4.42	2.48	71.42
10981	187M	<i>Detroit Oil and Cotton Co., Detroit, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	44.00	8.00	7.00	24.00
		Inspector's Sample . . . . .	45.87	10.73	6.66	25.58
11659	1634A	<i>Dew Brothers Co., Inc., DeWalt, Texas.</i>				
		Dew Drop "Cow Feed"—Guarantee . . . . .	18.00	2.00	36.00	21.00
		Manufacturer's Sample . . . . .	7.42	1.08	36.31	39.37
11663	1634B	<i>Dew Brothers Co., Inc., DeWalt, Texas.</i>				
		Top Notch, Mixed Feed—Guarantee . . . . .	20.00	1.10	24.00	35.00
		Manufacturer's Sample . . . . .	8.28	1.03	22.78	49.04
10832	176M	<i>Diamond Mill Co., Sherman, Texas.</i>				
		Wheat Bran—Guarantee . . . . .	14.50	3.50	8.00	55.00
		Inspector's Sample . . . . .	18.93	3.89	8.03	55.83
11255	1611A	<i>Dillard, R. W., Midlothian, Texas.</i>				
		Wheat Bran—Guarantee . . . . .	14.50	3.00	10.00	50.00
		Manufacturer's Sample . . . . .	17.29	3.09	6.12	62.15
11781	292T	<i>Dittlinger, H., Roller Mills Co., New Braunfels, Texas.</i>				
		Pure Corn Chops—Guarantee . . . . .	9.00	4.00	3.00	70.00
		Inspector's Sample . . . . .	10.62	4.12	2.71	69.71
12023	380 T	<i>Dittlinger, H., Roller Mills Co., New Braunfels, Texas.</i>				
		Wheat Bran—Guarantee . . . . .	14.50	3.50	10.00	50.00
		Inspector's Sample . . . . .	19.37	3.83	8.28	53.93
11036	276R	<i>E. S. Dixon &amp; Co., Houston, Texas.</i>				
		Mixed Stock Feed—Guarantee . . . . .	9.00	5.00	15.43	49.85
		Inspector's Sample . . . . .	8.76	3.83	17.06	49.63
11736	253T	Inspector's Sample . . . . .	7.97	2.53	15.20	50.00
11998	360T	Inspector's Sample . . . . .	9.72	3.77	15.44	48.06
11793	1651A	<i>Dodd, C. C., Pampa, Texas.</i>				
		Maize Chops—Guarantee . . . . .	9.50	2.50	3.00	69.00
		Manufacturer's Sample . . . . .	11.77	2.57	2.52	71.01
11921	1651B	<i>Dodd, C. C., Pampa, Texas.</i>				
		Oats and Maize Chops—Guarantee . . . . .	10.00	3.75	7.00	62.00
		Manufacturer's Sample . . . . .	9.81	3.06	4.60	70.63
12070	1651C	<i>Dodd, C. C., Pampa, Texas.</i>				
		Kafir Corn Chops—Guarantee . . . . .	9.45	2.50	3.00	70.00
		Manufacturer's Sample . . . . .	10.50	3.49	2.51	69.52
11936	273M	<i>Dodd City Oil Mill Co., Dodd City, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	46.00	9.00	6.00	22.00
		Inspector's Sample . . . . .	51.25	9.32	5.12	23.50
11805	1650A	<i>Doggett Grain Co., Dallas, Texas.</i>				
		Milo Maize Chops—Guarantee . . . . .	9.00	2.75	3.00	68.00
		Manufacturer's Sample . . . . .	11.91	2.58	3.09	70.45
11911	1650B	<i>Doggett Grain Co., Dallas, Texas.</i>				
		Kafir Corn Chops—Guarantee . . . . .	9.00	2.75	3.00	71.00
		Manufacturer's Sample . . . . .	10.93	2.49	2.60	71.30
11411	318R	<i>Dorsey Grain Co., Weatherford, Texas.</i>				
		Pure Corn Chops—Guarantee . . . . .	9.19	3.84	3.11	69.70
		Inspector's Sample . . . . .	8.36	2.85	2.09	66.57
11341	1087B	<i>Downing &amp; Hill, Lubbock, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.50	3.25	2.20	85.00
		Manufacturer's Sample . . . . .	10.76	5.22	2.59	68.16
11452	1087C	<i>Downing &amp; Hill, Lubbock, Texas.</i>				
		Kafir Corn Chops—Guarantee . . . . .	9.50	3.00	3.00	70.00
		Manufacturer's Sample . . . . .	10.53	3.38	2.31	70.47
11441	1087D	<i>Downing &amp; Hill, Lubbock, Texas.</i>				
		Maize Chops—Guarantee . . . . .	9.50	3.00	3.00	70.00
		Manufacturer's Sample . . . . .	11.59	2.96	3.25	69.05
11645	1648A	<i>W. C. Draper, Texline, Texas.</i>				
		Ground Maize—Guarantee . . . . .	9.50	2.50	3.00	71.00
		Manufacturer's Sample . . . . .	11.75	2.16	3.13	71.00
10908	238R	<i>Dublin Mill and Elevator Co., Dublin, Texas.</i>				
		Wheat Bran—Guarantee . . . . .	14.50	3.50	10.00	50.00
		Inspector's Sample . . . . .	18.75	3.61	8.26	55.50
10909	240R	<i>Dublin Mill and Elevator Co., Dublin, Texas.</i>				
		Wheat Shorts—Guarantee . . . . .	16.00	4.00	5.00	60.00
		Inspector's Sample . . . . .	21.38	4.77	5.16	57.14
11597	411R	<i>Dublin Mill and Elevator Co., Dublin, Texas.</i>				
		Inspector's Sample . . . . .	19.33	3.96	5.17	57.50
10910	241R	<i>Dublin Mill and Elevator Co., Dublin, Texas.</i>				
		Pure Corn Chops—Guarantee . . . . .	9.00	4.00	3.00	70.00
		Inspector's Sample . . . . .	10.66	5.01	3.57	68.85

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
<i>Dublin Mill and Elevator Co., Dublin, Texas</i>						
—Continued.						
11598	408R	Inspector's Sample.....	9.31	3.52	2.25	69.37
		Mixed Feed—Guarantee.....	9.90	3.70	2.60	71.50
11720	409R	Inspector's Sample.....	9.43	1.72	2.98	66.74
		Mixed Feed—Guarantee.....	11.70	3.15	6.50	62.00
11723	410R	Inspector's Sample.....	12.06	2.95	4.53	68.40
		Mixed Feed—Guarantee.....	9.50	3.00	3.00	71.00
11710	412R	Inspector's Sample.....	10.81	2.48	3.21	72.86
<i>Dublin Oil Mill, Dublin, Texas.</i>						
		Cotton Seed Meal—Guarantee.....	43.00	6.00	9.00	22.00
10911	242R	Inspector's Sample.....	46.62	7.56	10.13	24.23
11593	414R	Inspector's Sample.....	47.23	8.34	7.55	23.83
11969	458R	Inspector's Sample.....	48.55	8.64	7.54	26.00
11968	456R	Inspector's Sample.....	46.60	8.31	7.48	24.82
		Cotton Seed Cake—Guarantee.....	43.00	7.05	6.70	24.00
10912	243R	Inspector's Sample.....	45.85	7.45	8.77	25.56
11611	414R	Inspector's Sample.....	45.51	6.47	8.55	25.73
<i>Durrett &amp; Co., Victoria, Texas.</i>						
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11450	1628A	Inspector's Sample.....	10.59	4.10	2.66	69.27
<i>Eagle Lake Rice Milling Co., Eagle Lake, Texas.</i>						
		Rice Bran—Guarantee.....	12.00	10.00	12.00	40.00
10849	97T	Inspector's Sample.....	13.12	13.71	11.12	43.13
10850	98T	Inspector's Sample.....	12.80	14.06	10.74	46.62
		Rice Polish—Guarantee.....	11.00	6.00	3.00	55.00
10851	99T	Inspector's Sample.....	11.99	12.12	2.42	60.68
<i>Eagle Milling Co., Canyon, Texas.</i>						
		Mill Run Bran—Guarantee.....	15.90	3.75	9.00	52.00
10694	142M	Inspector's Sample.....	17.00	3.89	6.63	59.00
<i>East El Paso Fuel Co., El Paso, Texas.</i>						
		Mixed Hen Feed—Guarantee.....	11.00	2.50	2.50	70.00
10732	1534A	Manufacturer's Sample.....	10.56	3.09	2.63	73.23
11934	454R	Inspector's Sample.....	10.92	3.86	2.91	68.84
<i>Easton Grain Co., San Angelo, Texas.</i>						
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
10687	199R	Inspector's Sample.....	8.58	1.53	2.08	73.03
<i>Eaton Mill and Elevator Co., Eaton, Colo.</i>						
		Mill Run Bran—Guarantee.....	14.50	3.50	10.00	50.00
11473	353R	Inspector's Sample.....	16.75	3.59	7.54	55.24
11321	102W	Inspector's Sample.....	15.32	4.02	8.22	56.08
<i>A. W. Edward, Tahoka, Texas.</i>						
		Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
11347	1495R	Manufacturer's Sample.....	11.68	2.67	2.45	70.80
<i>El Campo Rice Milling Co., El Campo, Texas.</i>						
		Rice Polish—Guarantee.....	11.00	7.00	3.00	60.00
10859	107T	Inspector's Sample.....	11.79	8.21	1.92	66.02
		Rice Bran—Guarantee.....	12.00	12.00	15.00	37.00
10860	108T	Inspector's Sample.....	13.20	14.90	8.58	46.21
11088	165T	Inspector's Sample.....	13.21	15.87	13.25	38.36
<i>B. G. Ellzey, Goodnight, Texas.</i>						
		Kafir Corn Chops—Guarantee.....	9.00	2.50	3.00	71.00
11871	1668A	Manufacturer's Sample.....	10.38	2.57	4.27	70.50
<i>E. C. Elkin, Randlett, Okla.</i>						
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11792	1657A	Manufacturer's Sample.....	9.00	3.62	2.59	72.88
<i>El Paso Grain and Milling Co., El Paso, Texas.</i>						
		Corn Bran—Guarantee.....	9.80	6.20	11.20	62.00
11862	1123C	Manufacturer's Sample.....	10.34	3.39	6.49	70.80
		Wheat Bran—Guarantee.....	14.00	4.20	9.50	55.00
10683	211R	Inspector's Sample.....	16.80	4.05	7.58	59.88
11894	448R	Inspector's Sample.....	16.88	3.83	7.32	58.38
		Corn Chops—Guarantee.....	9.00	4.00	3.00	66.99
10693	212R	Inspector's Sample.....	8.91	3.92	2.46	71.63
11897	445R	Inspector's Sample.....	9.66	3.38	2.31	72.31

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Laboratory No.	Feed control No.	Manufacturer	Protein	Fat	Crude fiber	Nitrogen-free extract
10801	302F	<i>Enid Milling and Elevator Co., Enid, Texas.</i>				
		Wheat Bran—Guarantee.....	15.00	3.00	9.00	53.00
		Manufacturer's Sample.....	16.67	3.50	7.64	58.04
11494	340T	<i>Enterprise Mill and Elevator Co., Byers, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	10.39	<b>3.60</b>	2.10	71.75
11344	324A	<i>Ennis Cotton Oil Co., Ennis, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	23.00
11349	324B	Manufacturer's Sample.....	46.47	8.54	8.52	24.23
		Cracked Cotton Seed Cake—Guarantee.....	44.00	7.00	9.00	24.00
		Manufacturer's Sample.....	44.35	7.36	<b>9.90</b>	26.87
11374	324C	Mixed Cotton Seed Hulls and Meal—	10.00	2.00	41.00	35.00
		Guarantee.....	13.27	2.50	40.52	<b>31.46</b>
11375	324D	Mixed Cotton Seed Meal and Hulls—	39.00	7.00	12.00	29.00
		Guarantee.....	38.98	8.95	<b>13.87</b>	<b>27.05</b>
12049	1274C	<i>Enns Milling Co., Inman, Kansas.</i>				
		Wheat Bran and Screenings—Guarantee...	14.00	3.50	9.50	55.00
		Manufacturer's Sample.....	16.25	4.24	<b>11.08</b>	<b>51.09</b>
11854	76F	<i>J. E. Ervine &amp; Co., Houston Texas.</i>				
		Magnolia High Grade Stock Feed—Guarantee.....	10.00	2.00	14.00	55.00
12010	359T	Manufacturer's Sample.....	10.59	2.27	8.95	59.32
11961	327T	Inspector's Sample.....	10.25	1.72	8.28	61.15
		Inspector's Sample.....	<b>9.95</b>	1.25	8.77	61.60
10739	76J	Kafir Corn Head Chops and Molasses—	9.00	2.50	9.00	65.00
		Guarantee.....	<b>8.50</b>	2.55	5.57	<b>61.91</b>
11740	238T	Manufacturer's Sample.....	12.00	4.00	20.00	45.00
		Buffalo Stock Feed—Guarantee.....	14.59	<b>3.62</b>	15.63	49.48
11692	259T	Inspector's Sample.....	10.00	3.00	9.00	58.00
		Ground Oats—Guarantee.....	11.81	3.71	<b>11.82</b>	<b>55.00</b>
11974	365T	Feed Meal—Guarantee.....	7.00	2.50	5.00	70.00
		Inspector's Sample.....	8.25	<b>2.24</b>	1.97	74.22
12073	76K	Kafir Corn Chops—Guarantee.....	9.00	3.00	4.00	65.00
		Manufacturer's Sample.....	11.40	<b>2.74</b>	2.10	70.83
10951	1496C	<i>Excello Feed Milling Co., St. Joseph, Mo.</i>				
		Excello Molasses Feed—Guarantee.....	10.00	1.00	25.00	39.10
		Manufacturer's Sample.....	<b>8.88</b>	<b>.51</b>	21.41	47.70
11728	261M	<i>Farmers Cotton Oil Co., rFarmesville, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11725	262M	Inspector's Sample.....	49.06	<b>7.63</b>	<b>7.56</b>	<b>23.42</b>
		Perfecto Mixed Feed—Guarantee.....	10.50	3.00	40.00	30.00
12014	392T	Inspector's Sample.....	10.78	<b>2.35</b>	<b>42.19</b>	<b>33.04</b>
		Inspector's Sample.....	11.44	2.55	<b>43.20</b>	31.24
11478	352R	<i>Farmers Elevator Co., Electra, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.00	3.50	70.00
		Inspector's Sample.....	9.87	3.56	2.71	<b>69.72</b>
11398	129W	<i>Farmers and Ginners Cotton Oil Co., Austin, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	20.00
11398	130W	Inspector's Sample.....	44.79	8.11	<b>10.64</b>	25.60
		Cotton Seed Cake—Guarantee.....	44.00	7.00	9.00	20.00
11405	131W	Inspector's Sample.....	45.60	<b>6.74</b>	<b>10.26</b>	25.26
		Plowboy Mixed Feed—Guarantee.....	9.50	2.50	42.00	30.00
		Inspector's Sample.....	11.31	2.99	<b>42.15</b>	32.43
11888	311T	<i>Farmers Gin and Mill Co., Cuero, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	10.56	4.10	2.50	71.03
11246	1604A	<i>Farmers Gin &amp; Elevator Co., Durant, Okla.</i>				
		Corn Chops—Guarantee.....	9.54	3.99	2.58	70.98
		Manufacturer's Sample.....	10.51	<b>3.93</b>	2.38	<b>69.96</b>
11834	264M	<i>Farmers and Ginners Cotton Oil Co., Sulphur Springs, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	8.00	7.00	24.00
		Inspector's Sample.....	45.90	<b>6.58</b>	10.20	25.62

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11067	58W	<i>Farmers Gin and Milling Co., Waxahachie, Texas.</i>				
		Ko-Pres-Ko-Kake—Guarantee.....	26.00	6.00	23.00	30.00
		Inspector's Sample.....	26.43	7.50	24.96	29.81
11894	284W	<i>Farmers Oil and Fertilizer Co., Texarkana, Ark.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	8.00	24.00
		Inspector's Sample.....	40.24	7.33	13.02	26.85
11007	192M	<i>Farmers and Merchants Cotton Oil and Mfg. Co., Mt. Pleasant, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.50	24.00
		Inspector's Sample.....	40.62	7.11	11.34	29.32
11908	1527B	<i>Farmers Exchange, Lockney, Texas.</i>				
		Maize Chops—Guarantee.....	8.50	2.50	3.00	71.00
		Manufacturer's Sample.....	11.55	2.85	2.61	73.21
11016	39W	<i>Farmers Mill, McGregor, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.90	2.52	71.71
		Inspector's Sample.....	10.44	3.42	2.23	71.09
11045	38W	Mixed Bran—Guarantee.....	17.00	3.31	6.80	60.13
		Inspector's Sample.....	17.46	4.27	6.63	57.42
11039	183M	<i>Farmersville Mill and Light Co., Farmersville, Texas.</i>				
		Corn Chops and Corn Bran—Guarantee ..	8.75	3.50	3.50	69.50
		Inspector's Sample.....	9.37	3.34	2.88	72.70
12059	1693A	<i>Farmers Union Mercantile Co., Snyder, Texas.</i>				
		Maize and Kafir Heads—Guarantee.....	8.50	2.75	7.50	68.00
		Manufacturer's Sample.....	12.02	2.56	4.66	69.52
11797	1661A	<i>Feed Brothers, Edna, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Manufacturer's Sample.....	8.87	1.09	2.71	69.06
12076	1692A	<i>Ferguson, A. M., Sherman, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.77	4.58	2.43	70.90
12051	1285B	<i>Fest &amp; Trawalter, San Antonio, Texas.</i>				
		Maltine—Guarantee.....	20.00	5.00	15.00	42.00
11989	386T	Manufacturer's Sample.....	25.96	6.10	12.71	44.23
		Inspector's Sample.....	27.25	6.31	11.26	44.85
12085	1685A	<i>Finch, J. R., Ginite, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	11.49	4.76	2.53	70.53
12007	395T	<i>Flach, Earnest, Comfort, Texas.</i>				
		Wheat Bran—Guarantee.....	14.50	3.50	10.00	50.00
		Inspector's Sample.....	18.47	3.53	8.30	56.85
10840	87T	<i>Flatonia Oil Mill, Flatonia, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	9.00	8.00	24.00
11212	171T	Inspector's Sample.....	47.00	8.63	6.67	26.11
11684	279T	Inspector's Sample.....	47.25	9.83	6.44	21.95
		Inspector's Sample.....	47.21	10.24	6.43	21.88
11907	1673A	<i>Flowers, R. J., San Angelo, Texas.</i>				
		Ground Milo Maize Chops—Guarantee...	8.00	2.50	8.00	62.00
		Manufacturer's Sample.....	9.81	2.32	7.64	68.99
11020	146T	<i>Floresville Oil and Mfg. Co., Floresville, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
		Inspector's Sample.....	47.87	13.86	5.58	20.95
12061	1694A	<i>Florence Mill Co., Florence, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.05	3.93	2.39	70.49
11985	285M	<i>Forney Cotton Oil Co., Forney, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	45.00	7.00	6.90	24.00
		Inspector's Sample.....	42.06	6.30	13.67	26.27
11327	107W	<i>Fort Worth Cotton Oil Co., Fort Worth, Texas.</i>				
		Panther Cow Feed—Guarantee.....	8.00	2.00	45.00	30.00
		Inspector's Sample.....	9.21	2.76	43.70	32.62

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Fort Worth Grain and Elevator Co., Fort Worth, Texas.</i>				
11667	268J	Good Luck Stock Feed—Guarantee.....	10.00	3.00	8.00	68.00
		Manufacturer's Sample.....	11.50	2.66	8.77	56.74
11324	108W	Kafir Head Chops—Guarantee.....	9.00	2.50	7.00	68.00
		Inspector's Sample.....	9.18	2.85	6.55	66.19
11328	109W	Golden Rod Mixed Feed—Guarantee.....	10.50	2.20	15.00	50.00
		Inspector's Sample.....	10.42	1.94	8.83	58.15
11325	110W	Golden Rod Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
		Inspector's Sample.....	8.81	3.02	2.02	69.18
		<i>R. K. Franklin, Sansom, Texas.</i>				
11873	1670A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	12.23	4.44	2.46	69.55
11874	1670B	Maize Chops—Guarantee.....	9.00	2.75	3.00	68.00
		Manufacturer's Sample.....	11.83	3.13	2.00	72.00
		<i>Frio Cotton Oil Co., Pearsall, Texas.</i>				
11213	172T	Cold Pressed Cotton Seed Cake—Guarantee	24.00	6.00	24.00	27.00
		Inspector's Sample.....	27.09	5.22	22.53	34.29
		<i>Gage Roller Mills, Gage, Okla.</i>				
11636	1311E	Pure Wheat Bran—Guarantee.....	15.05	3.00	7.00	59.00
		Manufacturer's Sample.....	16.81	2.74	2.17	66.30
		<i>Gainesville Cotton Oil Co., Gainesville, Texas.</i>				
11100	208M	Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
		Inspector's Sample.....	44.79	8.96	8.85	26.20
11101	209M	Cotton Seed Cracked Cake—Guarantee...	44.00	8.00	7.00	24.00
		Inspector's Sample.....	45.20	7.72	8.67	27.26
		<i>Ganado Mill and Elevator Co., Ganado, Texas.</i>				
10861	109T	Rice Polish—Guarantee.....	11.00	6.00	3.50	55.00
		Inspector's Sample.....	11.79	10.15	2.05	63.91
10862	110T	Rice Bran—Guarantee.....	11.00	10.00	12.00	44.00
11089	160T	Inspector's Sample.....	13.22	16.64	11.23	41.79
		Inspector's Sample.....	13.43	14.82	10.36	43.99
		<i>Gatesville Cotton Oil Mill, Gatesville, Texas.</i>				
11184	63W	Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
		Inspector's Sample.....	42.97	9.20	10.03	26.37
11185	64W	Cotton Seed Cake—Guarantee.....	44.00	8.00	7.00	24.00
		Inspector's Sample.....	47.75	8.83	7.56	23.63
		<i>Gatesville Roller Mills, Gatesville, Texas.</i>				
11178	65W	Mixed Bran—Guarantee.....	15.00	4.50	10.00	50.00
		Inspector's Sample.....	17.14	3.70	8.99	53.44
11186	66W	Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.93	4.10	2.53	70.09
11187	67W	Wheat Shorts—Guarantee.....	17.50	4.00	5.00	55.00
		Inspector's Sample.....	19.19	5.20	4.96	57.23
11624	334C	Pure Wheat Bran—Guarantee.....	17.50	4.50	5.00	55.00
		Manufacturer's Sample.....	19.00	3.94	2.95	62.67
		<i>Georgetown Cotton Oil Mill, Georgetown, Texas.</i>				
11401	123W	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	24.00
		Inspector's Sample.....	47.10	9.25	8.16	22.97
11396	124W	Cracked Cotton Seed Cake—Guarantee...	43.00	7.00	9.00	24.00
		Inspector's Sample.....	48.09	8.00	8.06	22.54
11403	125W	Pide's Delight—Guarantee.....	11.50	3.00	39.00	32.80
		Inspector's Sample.....	15.04	3.61	38.48	32.37
		<i>Giddings Cotton Oil Co., Giddings, Texas.</i>				
11072	289R	Cotton Seed Meal—Guarantee.....	44.30	6.70	9.00	21.06
11588	151W	Inspector's Sample.....	45.20	8.29	9.51	24.91
11070	287R	Inspector's Sample.....	49.61	8.28	6.31	23.83
		Inspector's Sample.....	49.29	9.02	4.35	26.29
		<i>Gilmer Cotton Seed Oil Co., Gilmer, Texas.</i>				
10964	1559A	Ko-Press-Ko-Kake—Guarantee.....	26.00	7.00	28.00	28.00
11467	145W	Manufacturer's Sample.....	24.85	9.69	22.39	28.25
11841	268M	Inspector's Sample.....	25.00	8.61	25.12	28.26
		Inspector's Sample.....	23.93	8.05	25.15	29.69
		<i>Goldman's Ginnery and Mills, Victoria, Texas.</i>				
11142	1592A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	8.93	4.47	2.95	70.81



ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Gonzales Cotton Oil and Mfg. Co., Gonzales, Texas.</i>				
11040	149T	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	9.00	22.00
		Inspector's Sample . . . . .	46.12	7.90	9.66	24.81
11289	194T	Inspector's Sample . . . . .	43.72	7.89	10.73	26.09
11290	194T	Inspector's Sample . . . . .	43.20	8.96	10.97	24.33
11338	202T	Inspector's Sample . . . . .	44.32	7.49	10.56	24.50
11514	207T	Inspector's Sample . . . . .	44.00	7.54	11.08	24.72
11536	219T	Inspector's Sample . . . . .	46.94	6.98	8.98	23.04
11693	272T	Inspector's Sample . . . . .	45.44	7.45	10.10	24.50
10997	279R	Inspector's Sample . . . . .	45.60	7.71	9.82	24.08
10999	281R	Inspector's Sample . . . . .	44.66	7.46	10.29	25.08
11000	282R	Inspector's Sample . . . . .	44.17	6.53	10.62	25.81
11225	301R	Inspector's Sample . . . . .	41.85	6.93	11.18	27.88
		Cotton Seed Cake—Guarantee . . . . .	44.09	7.00	8.00	22.00
10998	280R	Inspector's Sample . . . . .	43.98	7.08	9.68	25.82
		<i>R. Gonzales y Hno., Laredo, Texas.</i>				
		Wheat Bran—Guarantee . . . . .	14.00	4.50	10.00	50.00
11883	307T	Inspector's Sample . . . . .	16.02	4.26	8.96	55.10
		<i>J. S. Gordan and Co., Beaumont, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	4.00	3.00	70.00
10884	25W	Inspector's Sample . . . . .	9.94	4.10	2.21	71.74
		Texla Stock Feed—Guarantee . . . . .	12.00	3.00	15.00	54.00
11015	26W	Inspector's Sample . . . . .	11.78	2.63	9.78	61.64
11763	164W	Inspector's Sample . . . . .	11.72	3.02	9.77	59.77
		<i>H. W. Gorvin, Wichita, Kan.</i>				
		Wheat Bran—Guarantee . . . . .	14.50	3.00	10.00	51.00
10825	1548A	Manufacturer's Sample . . . . .	16.20	4.57	8.97	56.26
11468	139W	Inspector's Sample . . . . .	17.24	4.00	10.59	50.48
		Wheat Shorts—Guarantee . . . . .	15.00	3.50	5.00	60.00
10826	1548B	Manufacturer's Sample . . . . .	16.81	4.26	8.97	56.26
		Mill Run Wheat Bran—Guarantee . . . . .	14.50	3.50	10.00	51.00
10827	1348C	Manufacturer's Sample . . . . .	16.31	4.47	8.99	56.13
		Corn Chops—Guarantee . . . . .	9.00	3.00	3.50	70.00
10828	1548D	Manufacturer's Sample . . . . .	10.50	4.21	2.91	69.52
		<i>Graham Cotton Oil Co., Graham, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	23.00
11498	333R	Inspector's Sample . . . . .	48.10	8.96	7.87	22.74
		Cotton Seed Cake—Guarantee . . . . .	43.00	7.00	8.00	23.00
11504	334R	Inspector's Sample . . . . .	48.44	7.71	7.60	24.05
		<i>Graham Mill and Elevator Co., Graham, Texas.</i>				
		Wheat Bran—Guarantee . . . . .	16.00	5.00	9.00	55.00
11474	335R	Inspector's Sample . . . . .	13.25	3.82	7.24	55.54
		Corn Chops—Guarantee . . . . .	16.00	3.00	8.00	56.00
11503	337R	Inspector's Sample . . . . .	10.26	3.16	1.90	68.98
		Mixed Wheat and Corn Bran—Guarantee . . . . .	16.00	3.00	8.00	56.00
11620	336R	Inspector's Sample . . . . .	18.19	4.01	6.85	56.96
		<i>Granbury Milling Co., Granbury, Texas.</i>				
		Shorts—Guarantee . . . . .	16.00	4.00	5.00	60.00
10821	979G	Manufacturer's Sample . . . . .	20.34	5.63	4.40	58.04
		<i>Granger Milling Co., Granger, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
10963	1558A	Manufacturer's Sample . . . . .	10.16	3.73	2.24	70.95
		<i>Granger Oil Mill, Granger, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	24.00
11397	122W	Inspector's Sample . . . . .	47.49	9.02	7.67	23.59
		<i>Greenville Cotton Oil Mill, Greenville, Texas.</i>				
		Choice Cotton Seed Meal—Guarantee . . . . .	48.00	7.00	9.00	20.00
10709	260C	Manufacturer's Sample . . . . .	45.63	7.00	9.34	26.12
		Cotton Seed Meal—Guarantee . . . . .	45.00	7.00	9.00	20.00
10979	184M	Inspector's Sample . . . . .	42.87	5.79	14.44	26.38
11008	195M	Inspector's Sample . . . . .	48.83	7.00	6.52	26.73
11035	197M	Inspector's Sample . . . . .	44.31	6.63	12.50	26.55
		<i>Greenville Mill and Elevator Co., Greenville, Texas.</i>				
		Mixed Bran—Guarantee . . . . .	15.00	4.00	8.00	54.00
10760	152M	Inspector's Sample . . . . .	14.75	3.64	7.16	59.80
		Wheat Bran, Shorts, Wheat Screening and Corn Bran—Guarantee . . . . .	15.00	4.00	8.00	54.00
11687	367R	Inspector's Sample . . . . .	16.93	4.83	7.54	55.85

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Gunther Milling Co., San Antonio, Texas.</i>				
11966	347T	Pure Wheat Bran—Guarantee . . . . .	14.50	3.50	10.00	52.00
		Inspector's Sample . . . . .	19.05	4.62	4.84	58.17
12026	384T	Pure Wheat Shorts—Guarantee . . . . .	16.00	3.50	5.00	60.00
		Inspector's Sample . . . . .	18.66	4.70	5.28	58.88
12028	385T	Corn Chops—Guarantee . . . . .	9.65	3.91	2.49	70.52
		Inspector's Sample . . . . .	9.87	2.36	3.28	72.64
		<i>Guthrie Cotton Oil Co., Guthrie, Okla.</i>				
11110	1567A	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	24.00
		Manufacturer's Sample . . . . .	42.97	8.68	8.88	25.65
11111	1567B	Cotton Seed Cake—Guarantee . . . . .	43.00	7.00	8.00	24.00
		Manufacturer's Sample . . . . .	44.87	8.42	8.97	22.88
		<i>Hamilton Mill and Elevator Co., Hamilton, Texas.</i>				
11179	70W	Mixed Feed—Guarantee . . . . .	14.00	3.00	6.00	60.00
		Inspector's Sample . . . . .	13.84	4.73	6.00	62.77
11190	71W	Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Inspector's Sample . . . . .	9.91	3.51	2.41	71.60
11203	72W	Mixed Bran—Guarantee . . . . .	15.00	3.81	7.42	64.14
		Inspector's Sample . . . . .	18.10	3.63	7.54	54.95
		<i>Hamilton Oil Mill, Hamilton, Texas.</i>				
11188	68W	Cotton Seed Cake—Guarantee . . . . .	44.00	7.91	6.31	24.00
		Inspector's Sample . . . . .	47.85	7.07	8.31	23.49
11189	69W	Cotton Seed Meal—Guarantee . . . . .	44.00	7.91	6.31	24.00
		Inspector's Sample . . . . .	45.55	8.26	8.59	23.49
		<i>Hamlin Cotton Oil Co., Hamlin, Texas.</i>				
10920	253R	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	21.50
11354	310R	Inspector's Sample . . . . .	40.59	8.94	11.99	26.46
11355	311R	Inspector's Sample . . . . .	45.12	10.69	7.51	23.75
11356	312R	Inspector's Sample . . . . .	43.12	11.96	8.23	23.51
11548	378R	Inspector's Sample . . . . .	42.97	9.58	8.88	23.87
11291	303R	Inspector's Sample . . . . .	43.23	9.13	10.93	23.71
11531	384R	Inspector's Sample . . . . .	44.49	11.91	8.62	23.13
11292	304R	Cotton Seed Cake—Guarantee . . . . .	42.69	8.40	11.28	23.69
10919	252R	Inspector's Sample . . . . .	46.15	9.20	7.81	23.44
		Inspector's Sample . . . . .	42.65	7.64	11.86	25.68
		<i>R. I. Hancock, Coleman, Texas.</i>				
11353	1615A	Maize Chops—Guarantee . . . . .	9.50	2.50	7.50	62.00
		Manufacturer's Sample . . . . .	12.38	2.98	2.94	69.71
11454	1615B	Pure Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	7.65	1.78	2.26	68.83
11677	1615C	Corn and Maize Chops—Guarantee . . . . .	9.25	3.00	3.00	70.50
		Manufacturer's Sample . . . . .	9.69	2.06	2.47	68.72
11801	1615D	Maize Head Chops—Guarantee . . . . .	9.50	2.50	7.50	62.00
		Manufacturer's Sample . . . . .	10.24	2.52	6.69	68.61
		<i>Hanck's Elevator Co., Valley Falls, Kans.</i>				
11141	1591A	Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	8.91	3.96	2.52	68.22
		<i>Haper, F. T., Ballinger, Texas.</i>				
11237	1566A	Milo Maize Head Chops—Guarantee . . . . .	9.50	2.50	7.50	62.00
		Manufacturer's Sample . . . . .	12.84	2.54	2.89	71.25
		<i>Harsh Bros. &amp; Co., St. Louis, Mo.</i>				
10724	1536A	Corn Chops—Guarantee . . . . .	9.00	3.50	3.50	70.00
		Manufacturer's Sample . . . . .	8.92	3.77	2.60	71.44
		<i>Harvest Queen Mill, Plainview, Texas.</i>				
11649	755E	Mixed Feed—Guarantee . . . . .	11.50	3.00	7.50	61.50
		Manufacturer's Sample . . . . .	15.00	3.40	5.68	61.98
10700	143M	Kafir Corn Chops—Guarantee . . . . .	9.00	3.00	3.00	70.00
		Inspector's Sample . . . . .	11.77	3.68	2.28	72.84
		<i>Hays City Milling and Elevator Co., Hays City, Kans.</i>				
12078	1682A	Mill Run Bran—Guarantee . . . . .	16.00	3.75	9.00	55.00
		Manufacturer's Sample . . . . .	18.02	4.31	8.81	53.92
12065	1682B	Pure Wheat Bran—Guarantee . . . . .	15.00	3.00	8.14	54.00
		Manufacturer's Sample . . . . .	18.34	3.65	9.50	50.29

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Laboratory No.	Feed control No.	Manufacturer	Protein	Fat	Crude fiber	Nitrogen-free extract
		<i>Heare, F. P., Pampa, Texas.</i>				
11916	1674A	Kafir Corn Chops—Guarantee.....	9.00	2.50	3.00	71.00
		Manufacturer's Sample.....	11.53	3.04	2.37	71.55
		Maize Chops—Guarantee.....	9.00	2.75	3.00	71.00
11900	1674B	Manufacturer's Sample.....	6.91	2.68	2.66	76.00
		<i>Heidenreich, J. G., Kyle, Texas.</i>				
		Corn and Cob Meal—Guarantee.....	8.40	3.50	8.00	60.00
11643	1631A	Manufacturer's Sample.....	8.20	3.74	9.74	66.90
		Pure Corn Chops—Guarantee.....	9.00	3.90	3.00	70.00
11808	1631B	Manufacturer's Sample.....	10.14	4.08	2.62	73.27
		<i>Henderson Cotton Oil and Gin Co., Henderson, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	8.00	24.00
11836	170W	Inspector's Sample.....	45.25	10.64	6.65	26.73
		Mixed Feed "Cow's Friend"—Guarantee.....	10.00	2.00	44.00	32.00
11842	171W	Inspector's Sample.....	8.34	2.69	44.69	33.64
		<i>Henrietta Elevator Co., Henrietta, Texas.</i>				
		Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
11105	745D	Manufacturer's Sample.....	10.42	6.64	2.38	71.82
		<i>Henrietta Milling Co., Henrietta, Texas.</i>				
		Wheat Bran and Shorts—Guarantee.....	14.50	3.50	10.00	50.00
10786	225R	Inspector's Sample.....	22.62	3.32	6.31	55.62
		<i>Herbert &amp; Slaughter, Abilene, Texas.</i>				
		Mixed Feed—Guarantee.....	10.50	2.75	42.00	72.00
11681	1643A	Manufacturer's Sample.....	13.15	3.23	37.75	72.67
		<i>Hicks, R. W., Miles, Texas.</i>				
		Maize Head Chops—Guarantee.....	9.00	2.50	7.50	72.00
11633	1638A	Manufacturer's Sample.....	9.72	2.63	5.66	68.14
		Pure Kafir Chops—Guarantee.....	9.00	3.00	3.00	65.00
11901	1638B	Manufacturer's Sample.....	12.07	2.76	2.56	70.76
		<i>Hicks, W. H., Canyon City, Texas.</i>				
		Maize Head Chops—Guarantee.....	8.50	2.25	8.00	65.00
11917	1677A	Manufacturer's Sample.....	10.13	2.23	6.96	67.93
		<i>Hico Oil Mill, Hico, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	6.00	9.00	23.00
11194	76W	Inspector's Sample.....	44.01	9.18	7.79	26.40
		Cotton Seed Cake—Guarantee.....	43.00	6.00	9.00	22.00
11196	79W	Inspector's Sample.....	48.63	7.48	7.40	23.53
		<i>Hill County Cotton Oil Co., Hillsboro, Texas.</i>				
		Prime Screened Cracked Cotton Seed Cake—Guarantee.....	43.00	7.00	8.00	20.00
11153	291E	Manufacturer's Sample.....	45.14	7.42	10.06	24.71
		Hillsboro Mixed Feed—Guarantee.....	10.50	2.75	40.00	30.00
11060	51W	Inspector's Sample.....	10.36	3.36	41.04	34.08
		Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	20.00
11058	49W	Inspector's Sample.....	47.00	9.70	6.44	25.15
11059	50W	Inspector's Sample.....	44.49	7.18	9.67	26.81
		<i>Hillje Brothers, Weimar, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	9.00	7.00	24.00
11022	150T	Inspector's Sample.....	42.13	10.50	9.90	25.35
		<i>Hillman, Chas., Telferner, Texas.</i>				
		Cold Pressed Cotton Seed Cake—Guarantee.....	26.00	7.00	28.00	28.00
10956	1551A	Manufacturer's Sample.....	24.38	6.26	29.01	28.09
11090	167T	Inspector's Sample.....	23.86	7.85	28.33	28.41
		<i>Hobart Mill and Elevator Co., Hobart, Texas.</i>				
		Mixed Feed—Guarantee.....	12.00	3.00	6.50	61.50
11373	598E	Manufacturer's Sample.....	15.09	3.28	4.59	61.75
		<i>Honey Grove Cotton Oil Co., Honey Grove, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	46.00	5.00	7.00	20.00
10984	191M	Inspector's Sample.....	51.13	8.83	8.28	21.32

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein]	Fat	Crude fiber	Nitro- gen-free extract
		<i>Houston Cotton Meal Mill, Houston, Texas.</i>				
10892	121T	Cotton Seed Meal—Guarantee.....	45.00	7.00	7.00	24.00
11275	183T	Inspector's Sample.....	46.26	6.99	8.19	26.92
11703	292T	Inspector's Sample.....	44.69	7.72	10.07	25.49
10995	274R	Inspector's Sample.....	45.72	6.79	8.41	26.08
		Inspector's Sample.....	50.62	8.22	7.00	22.35
		<i>Houston County Oil Mill and Mfg. Co., Crockett, Texas.</i>				
11709	158W	Crockett Cow Feed—Guarantee.....	10.50	2.75	40.00	30.00
		Inspector's Sample.....	8.59	1.95	46.18	32.09
11758	157W	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	37.84	7.83	12.93	28.73
		<i>Houston Grain Co., Houston, Texas.</i>				
10897	126T	Nox-All Stock Feed—Guarantee.....	13.00	6.00	11.00	55.00
11737	246T	Inspector's Sample.....	13.75	3.39	10.98	55.33
		Inspector's Sample.....	12.52	4.81	11.67	51.16
		Germ-N-Micks—Guarantee.....	10.50	6.00	15.00	45.00
11747	247T	Inspector's Sample.....	8.09	2.44	16.14	47.91
10864	112T	Inspector's Sample.....	10.16	2.87	12.12	54.97
11988	354T	Inspector's Sample.....	8.04	3.23	15.76	46.09
		<i>Houston Milling Co., Houston, Texas.</i>				
10735	927G	Ideal Stock Feed—Guarantee.....	13.25	4.00	9.00	54.75
		Manufacturer's Sample.....	14.08	4.32	6.52	58.14
10738	927H	Corn Bran—Guarantee.....	8.00	4.00	11.00	60.00
		Manufacturer's Sample.....	11.74	7.59	6.80	59.13
10770	927I	Hominy Feed—Guarantee.....	7.00	4.50	12.00	65.00
		Manufacturer's Sample.....	8.27	.08	.63	77.25
11655	927J	Ideal Stock Feed—Guarantee.....	13.00	4.00	10.75	50.00
11742	245T	Manufacturer's Sample.....	14.08	4.57	9.73	57.80
12013	353T	Inspector's Sample.....	13.79	3.65	8.85	56.05
		Inspector's Sample.....	14.00	3.97	9.44	56.60
		<i>E. R. T. Howard &amp; Co., Brownsville, Texas.</i>				
11164	1572A	Armadillo Dairy Feed—Guarantee.....	15.00	7.00	13.50	45.00
		Manufacturer's Sample.....	14.87	7.95	13.77	44.74
		Armadillo Horse and Mule Feed—Guarantee.....	11.00	6.00	12.00	52.00
11165	1572B	Manufacturer's Sample.....	10.07	4.75	11.21	55.07
11932	302T	Inspector's Sample.....	12.65	4.32	17.05	43.07
11117	1572C	Armadillo Ear Corn Chops—Guarantee.....	8.41	3.48	7.28	47.93
		Manufacturer's Sample.....	10.00	4.40	6.70	66.97
11167	1572D	Armadillo Rice Strap—Guarantee.....	8.50	8.50	8.00	50.00
		Manufacturer's Sample.....	9.06	4.78	2.54	50.28
11118	1572E	Pure Corn Chops—Guarantee.....	9.80	4.09	2.60	72.78
		Manufacturer's Sample.....	9.81	4.06	2.72	69.46
		<i>Huakey, L. E., Moran, Texas.</i>				
11641	1637A	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	11.06	4.11	2.79	70.38
		<i>Hughes Bros., Texarkana, Ark.</i>				
11920	1679A	Big 4 Mixed Feed—Guarantee.....	12.30	1.50	11.50	53.80
		Manufacturer's Sample.....	10.22	2.32	12.17	58.23
		<i>Hughes &amp; McCoy, Howe, Texas.</i>				
11265	1601A	The Milkey Way Dairy Feed—Guarantee.....	16.00	6.00	20.00	44.00
		Manufacturer's Sample.....	16.92	5.75	19.90	43.09
11244	1601B	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.39	3.64	2.40	70.59
11912	1601C	Hog Feed—Guarantee.....	15.00	5.50	8.00	50.00
		Manufacturer's Sample.....	16.67	7.11	8.84	52.27
		<i>Humphry Grain Co., Canadian, Texas.</i>				
11137	1588A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.24	4.45	2.60	70.84
11138	1588B	Kafir Corn Chops—Guarantee.....	9.50	2.75	3.00	71.00
		Manufacturer's Sample.....	9.81	2.69	2.10	72.23
		<i>Hungarian Milling and Elevator Co., Denver, Colo.</i>				
10703	81T	Wheat Bran—Guarantee.....	15.00	3.00	10.00	55.00
		Inspector's Sample.....	16.28	4.01	6.98	56.35
11385	321R	Mill Run Bran—Guarantee.....	15.00	3.00	10.00	55.00
		Inspector's Sample.....	15.11	3.44	6.84	58.33

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Hunt County Oil Co., Wolfe City, Texas.</i>				
11259	225B	Creamo Mixed Feed—Guarantee . . . . .	9.50	2.00	43.00	33.00
11305	228M	Manufacturer's Sample . . . . .	10.60	2.65	41.87	33.55
		Inspector's Sample . . . . .	11.15	2.49	42.99	31.21
11304	227M	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	24.00
		Inspector's Sample . . . . .	45.75	8.30	7.44	24.94
		<i>Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.</i>				
10733	1217C	Wheat Shorts—Guarantee . . . . .	15.00	3.00	5.00	55.00
		Manufacturer's Sample . . . . .	18.27	5.35	5.69	58.22
		<i>Hunter Milling Co., Wellington, Kans.</i>				
11555	389R	Wheat Bran—Guarantee . . . . .	15.00	3.00	10.00	52.00
		Inspector's Sample . . . . .	18.48	3.40	9.58	50.79
11532	216T	Wheat Short—Guarantee . . . . .	16.00	4.00	5.00	53.00
11885	324T	Inspector's Sample . . . . .	18.91	4.99	5.75	55.21
11972	371T	Inspector's Sample . . . . .	17.95	4.28	6.50	56.91
		Inspector's Sample . . . . .	17.12	4.33	6.09	58.76
12047	543E	Mill Run Bran, Shorts and Ground Screen- ings—Guarantee . . . . .	16.00	3.00	9.00	52.00
		Manufacturer's Sample . . . . .	17.61	3.78	8.85	55.53
12050	543F	Shorts and Ground Screenings—Guarantee . . . . .	16.00	3.00	9.00	53.00
		Manufacturer's Sample . . . . .	18.60	4.71	6.39	57.45
		<i>Hunt Grain Co., J. C., Wichita Falls, Texas.</i>				
11492	348R	Pure Corn Chops—Guarantee . . . . .	9.00	3.00	3.50	70.00
		Inspector's Sample . . . . .	10.72	3.92	2.80	69.55
11502	349R	Milo Maize Chops—Guarantee . . . . .	9.50	2.50	3.00	71.00
		Inspector's Sample . . . . .	11.70	3.04	2.53	67.66
11721	350R	Kafir and Maize Chops—Guarantee . . . . .	9.50	2.50	3.00	71.00
		Inspector's Sample . . . . .	11.08	2.68	2.00	70.58
		<i>Huntsville Cotton Oil Co., Huntsville, Texas.</i>				
11339	143B	Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	10.00	3.57	2.48	70.27
11562	148W	Cotton Seed Meal—Guarantee . . . . .	43.00	8.00	9.00	25.00
		Inspector's Sample . . . . .	45.19	7.83	8.59	26.22
		<i>Hurd &amp; McCaghren, Loraine, Texas.</i>				
11638	1642A	Pure Milo Maize Chops—Guarantee . . . . .	9.00	2.75	3.00	71.00
		Manufacturer's Sample . . . . .	10.60	2.25	2.96	70.53
		<i>Illinois Feed Mills, St. Louis, Mo.</i>				
10730	1502B	Star Mill Feed, (chick size)—Guarantee . . . . .	10.00	3.60	6.00	60.00
		Manufacturer's Sample . . . . .	10.02	3.08	2.83	69.89
10728	1502C	Star Mill Feed (scratch size)—Guarantee . . . . .	10.00	3.60	6.00	60.00
		Manufacturer's Sample . . . . .	10.21	3.31	3.42	68.69
		<i>Imperial Mercantile Co., Sugarland, Texas.</i>				
11357	1528D	Eldridge's Stock Feed for Horses and Mules —Guarantee . . . . .	6.50	1.25	24.00	50.00
11992	349T	Manufacturer's Sample . . . . .	8.44	.55	21.82	46.22
		Inspector's Sample . . . . .	7.60	.75	20.63	46.52
11358	1528E	Eldridge's Stock Feed for Cattle—Guaran- tee . . . . .	8.25	1.50	35.00	40.00
		Manufacturer's Sample . . . . .	8.71	1.36	35.21	60.66
11735	239T	Imperial Stock Feed—Horse Feed—Guar- antee . . . . .	7.50	1.10	15.50	45.50
11743	242T	Inspector's Sample . . . . .	7.47	.63	17.75	50.68
11959	330T	Inspector's Sample . . . . .	9.47	.89	18.52	46.96
		Inspector's Sample . . . . .	8.28	.65	17.34	49.83
11285	179T	Imperial Stock Feed—Cattle Feed—Guar- antee . . . . .	6.50	1.15	17.00	45.50
11748	241T	Inspector's Sample . . . . .	7.75	1.81	22.43	47.00
11995	348T	Inspector's Sample . . . . .	6.53	.90	22.36	47.28
		Inspector's Sample . . . . .	8.44	1.84	23.60	35.28
		<i>Independent Cotton Oil Co., Bruceville, Texas.</i>				
11123	1576A	Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	9.00	23.00
		Manufacturer's Sample . . . . .	45.22	8.32	8.63	24.86
		<i>Industrial Cotton Oil Co., Houston, Texas.</i>				
11274	182T	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	9.00	23.00
11696	255T	Inspector's Sample . . . . .	42.68	8.71	10.17	24.41
10993	272R	Inspector's Sample . . . . .	44.69	7.52	9.35	25.44
		Inspector's Sample . . . . .	43.47	8.14	8.55	26.92
10994	273R	Cotton Seed Cake—Guarantee . . . . .	44.00	7.50	8.00	21.50
		Inspector's Sample . . . . .	43.75	10.30	7.65	25.53

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Industrial Cotton Oil Co., Seguin, Texas.</i>				
10976	137T	Cotton Seed Meal—Guarantee.....	43.50	7.50	9.00	19.50
11685	276T	Inspector's Sample.....	45.12	8.56	9.83	25.71
		Inspector's Sample.....	43.52	7.91	11.87	25.32
11217	178T	Cracked Cotton Seed Cake—Guarantee...	43.50	7.50	9.00	19.50
		Inspector's Sample.....	44.13	6.67	9.67	26.95
		<i>Industrial Cotton Oil Co., Waco, Texas.</i>				
		Screened Cracked Cotton Seed Cake— Guarantee.....	47.50	7.50	8.00	24.00
11051	43W	Inspector's Sample.....	46.31	8.38	8.79	22.32
		Prime Cotton Seed Meal—Guarantee.....	47.50	7.50	8.00	24.00
11049	44W	Inspector's Sample.....	42.31	8.75	9.92	26.44
		Industrial Mixed Feed—Guarantee.....	10.50	2.75	40.00	30.00
11050	45W	Inspector's Sample.....	10.28	2.68	43.33	32.32
		<i>International Sugar Feed No. 2, Co., Memphis, Tenn.</i>				
		International Dry Horse and Mule Feed— Guarantee.....	10.00	3.00	15.00	56.00
11673	1377D	Manufacturer's Sample.....	10.72	3.04	14.06	55.23
		Dan Patch Special Feed—Guarantee.....	10.00	3.00	12.50	61.00
11679	1377E	Manufacturer's Sample.....	10.81	1.65	18.17	52.49
		International Jewel Feed—Guarantee.....	9.00	2.00	12.50	65.00
11928	1377F	Manufacturer's Sample.....	9.34	4.53	18.05	49.44
		International Horse and Mule Feed—Guar- antee.....	12.50	3.50	12.00	50.00
10814	229W	Inspector's Sample.....	15.35	3.79	12.42	54.43
11993	388T	Inspector's Sample.....	14.09	3.66	12.22	55.76
		<i>Italy Cotton Oil Co., Italy, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	45.00	6.00	7.00	24.00
11322	103W	Inspector's Sample.....	44.70	8.50	9.74	23.77
		<i>Itasca Cotton Oil Co., Itasca, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	45.00	7.00	9.00	22.00
11389	112W	Inspector's Sample.....	47.30	8.44	7.69	34.09
		Cracked Cotton Seed Cake—Guarantee.....	45.00	7.00	9.00	22.00
11400	113W	Inspector's Sample.....	48.20	8.51	6.41	23.65
		<i>Jacksboro Mill and Elevator Co., Jacksboro, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
11500	332R	Inspector's Sample.....	9.76	4.37	2.82	69.24
10787	230R	Inspector's Sample.....	9.22	3.47	2.55	72.62
		Pure Wheat Bran—Guarantee.....	15.33	4.20	8.00	54.00
10792	229R	Inspector's Sample.....	19.85	3.55	7.53	56.63
		Wheat Bran and Corn Bran—Guarantee...	13.00	4.00	10.00	60.00
11619	332R	Inspector's Sample.....	16.75	4.46	6.99	58.10
		<i>Jacksboro Oil and Milling Co., Jacksboro, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	45.00	9.00	6.00	25.00
11499	330R	Inspector's Sample.....	47.52	10.44	7.14	22.57
		Cotton Seed Cake—Guarantee.....	45.00	9.00	6.00	25.00
11507	331R	Inspector's Sample.....	48.58	9.37	6.42	22.54
		<i>Jacksonville Cotton Oil Co., Jacksonville Texas.</i>				
		Prime Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	24.00
11241	1599A	Manufacturer's Sample.....	41.14	11.08	8.85	25.32
11462	137W	Inspector's Sample.....	44.48	8.78	7.73	26.54
11461	141W	Inspector's Sample.....	40.54	10.15	9.44	27.18
		<i>Jockusch-Davidson and Co., Galveston, Texas.</i>				
		Red Seal Mixed Feed—Guarantee.....	12.00	4.00	17.00	48.00
11746	363T	Inspector's Sample.....	12.51	3.99	16.08	47.92
12011	369T	Inspector's Sample.....	13.72	4.81	13.52	52.64
		<i>Johnson, W. S., Tahoka, Texas.</i>				
		Maize Head Chops—Guarantee.....	9.50	2.50	4.00	70.00
11796	1663A	Manufacturer's Sample.....	10.74	2.36	6.46	66.13
		<i>Johnson City Roller Mills, Johnson City Texas.</i>				
		Wheat Bran and Shorts—Guarantee.....	18.30	3.50	6.80	61.00
11254	1610A	Manufacturer's Sample.....	18.72	3.30	8.88	56.52

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
<i>Josey-Miller &amp; Co., Beaumont, Texas.</i>						
11261	407E	Molasco Mixed Feed—Guarantee.....	10.00	5.00	11.00	51.00
11783	163W	Inspector's Sample.....	9.43	4.37	11.38	56.99
11262	407F	Mocream Mixed Feed—Guarantee.....	9.78	5.99	13.08	52.06
11766	162W	Inspector's Sample.....	10.64	4.70	12.93	48.95
12031	464R	Inspector's Sample.....	9.84	4.62	12.28	55.05
11652	407G	Inspector's Sample.....	10.29	5.61	16.93	49.48
11925	449R	Inspector's Sample.....	11.69	5.53	13.15	52.34
11997	389T	Pelican Mixed Feed—Guarantee.....	8.00	3.50	10.00	47.00
11853	407H	Inspector's Sample.....	6.84	4.01	18.47	49.86
10882	21W	Inspector's Sample.....	8.37	4.78	16.70	54.55
11046	22W	Inspector's Sample.....	71.7	1.97	18.98	51.92
11002	23W	"Mo Eggs"—Guarantee.....	13.00	2.62	2.70	64.44
12031	464R	Inspector's Sample.....	13.07	2.54	2.66	68.59
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.68	3.54	2.68	70.65
		Mixed Feed—Guarantee.....	10.50	3.00	16.00	45.00
		Inspector's Sample.....	12.71	4.77	14.70	49.13
		Alfalfa Mixed Feed—Guarantee.....	11.00	2.25	18.00	47.00
		Inspector's Sample.....	10.28	3.17	13.14	59.41
		Mocream—Guarantee.....	10.64	4.70	12.93	48.95
		Inspector's Sample.....	11.69	5.53	13.15	52.34
<i>Kansas Flour Mills Co., Kansas City, Mo.</i>						
12060	1684A	Mill Run Bran and Wheat Screenings— Guarantee.....	14.70	4.45	10.00	49.00
		Manufacturer's Sample.....	15.16	4.04	11.27	53.67
<i>Kansas Milling Co., Wichita, Kan.</i>						
11560	361R	Mill Run Bran—Guarantee.....	16.00	4.00	7.50	54.00
11332	189T	Inspector's Sample.....	17.36	3.95	9.22	53.46
11879	310T	Wheat Bran—Guarantee.....	15.50	4.00	8.50	53.00
		Inspector's Sample.....	17.93	4.03	9.28	52.78
		Brown Shorts—Guarantee.....	16.50	4.00	5.50	56.00
		Inspector's Sample.....	19.15	5.01	6.33	65.42
<i>Kaufman Cotton Oil Co., Kaufman, Texas.</i>						
10748	154M	Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	24.00
		Inspector's Sample.....	44.42	7.60	9.97	26.59
<i>Kell Milling Co., Vernon, Texas.</i>						
11429	330E	Corn Chops and Corn Bran—Guarantee...	8.00	3.50	4.50	65.00
11480	356R	Manufacturer's Sample.....	10.70	3.96	3.13	69.20
11488	236M	Pure Wheat Bran—Guarantee.....	14.50	3.50	10.00	50.00
11484	357R	Inspector's Sample.....	15.62	4.06	7.31	55.86
11479	358R	Inspector's Sample.....	18.50	4.26	8.85	51.74
		Milo Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Inspector's Sample.....	9.42	2.86	2.20	73.05
		Wheat Shorts—Guarantee.....	14.50	3.50	5.00	55.00
		Inspector's Sample.....	19.28	3.23	3.37	60.44
<i>Wm. Kelly Milling Co., Hutchinson, Kan.</i>						
10716	147M	Wheat Mill Run Bran—Guarantee.....	15.50	4.40	9.00	55.00
		Inspector's Sample.....	18.10	4.64	8.39	54.52
<i>Kelley Milling Co., Kansas City, Mo.</i>						
10697	205F	"Red Dog"—Wheat Product—Guarantee..	13.00	1.50	2.00	68.00
		Manufacturer's Sample.....	15.11	3.32	2.42	67.43
<i>Kemper Mill and Elevator Co., Kansas City, Mo.</i>						
11602	418R	Pure Wheat Shorts—Guarantee.....	15.50	5.00	4.00	60.25
11945	343T	Inspector's Sample.....	20.84	5.46	6.29	52.54
		Wheat Bran—Guarantee.....	15.10	3.50	8.50	58.00
		Inspector's Sample.....	18.22	4.04	9.27	52.06
<i>Kenedy Cotton Oil Co., Kenedy, Texas.</i>						
10887	116T	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	20.00
11693	252T	Inspector's Sample.....	43.77	7.44	11.31	25.07
		Inspector's Sample.....	45.13	8.53	8.05	26.13
11214	173T	Screened Cracked Cotton Seed Cake— Guarantee.....	43.00	7.00	9.00	20.00
		Inspector's Sample.....	44.64	8.05	8.27	25.35
<i>Kerrville Roller Mills, Kerrville, Texas.</i>						
12025	294T	Wheat Bran—Guarantee.....	14.50	4.00	10.00	50.00
		Inspector's Sample.....	18.62	4.54	9.50	53.10

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11639	1645A	King, J. W., Sipe, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.00	4.95	2.18	70.69
11628	1644A	King & Suppiger, Stanton, Texas.				
		Milo Maize Head Chops—Guarantee.....	8.00	2.00	6.00	60.00
		Manufacturer's Sample.....	10.31	2.81	4.38	68.67
11330	196T	Kingman Milling Co., Kingman, Kan.				
		Wheat Bran—Guarantee.....	15.00	3.17	10.00	52.36
		Inspector's Sample.....	15.62	3.17	11.23	52.44
10901	133T	Kingsville Cotton Oil Mill Co., Kingsville, Texas.				
		Cold Pressed Cotton Seed Cake—Guarantee	27.00	6.00	24.00	32.00
12080	1315C	Inspector's Sample.....	29.29	6.26	25.38	27.52
		Manufacturer's Sample.....	30.90	7.66	17.88	30.34
		Cold Pressed Cotton Seed Meal—Guarantee	30.00	5.00	18.00	30.00
11508	203T	Inspector's Sample.....	27.81	8.53	22.05	29.06
11608	400R	Inspector's Sample.....	27.58	7.52	23.04	30.14
11881	301T	Inspector's Sample.....	31.45	8.32	19.25	28.68
12068	1315B	Manufacturer's Sample.....	30.30	9.86	19.12	28.57
11257	26E	Knaur Grain Co., Denison, Texas.				
		Corn Chops and Corn Bran—Guarantee...	9.00	3.00	3.75	70.00
12035	281M	Inspector's Sample.....	9.85	3.92	3.03	71.47
		Inspector's Sample.....	10.50	4.21	2.44	70.87
10779	1545A	Knight-Sieger Grain Co., Dallas, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.06	3.97	2.50	74.55
10923	256R	Knox City Cotton Oil Co., Knox City, Texas.				
		Cold Pressed Cotton Seed Cake—Guarantee	28.00	5.30	24.00	31.00
		Inspector's Sample.....	27.03	6.55	25.35	30.53
10822	332M	Kolp, E. R. and D. C., Fort Worth, Texas.				
		Shucked Ear Corn Chops—Guarantee....	8.50	3.50	8.00	70.00
10809	224W	Inspector's Sample.....	8.33	3.52	5.22	71.86
		Inspector's Sample.....	7.68	3.17	6.57	70.84
		Bran, Maize, Kafir Chops—Guarantee....	11.00	5.00	3.00	65.00
12053	332N	Manufacturer's Sample.....	14.12	3.06	3.49	67.60
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
10777	218W	Inspector's Sample.....	9.06	3.54	3.90	71.71
10802	219W	Inspector's Sample.....	10.19	3.30	2.61	72.87
10803	220W	Inspector's Sample.....	9.90	3.39	3.39	72.49
11614	401R	Inspector's Sample.....	8.93	1.45	3.52	68.42
		Premium Rich Mixed Feed—Guarantee...	13.00	3.00	7.00	50.00
11726	402R	Inspector's Sample.....	10.95	2.47	13.32	54.83
10681	82T	Inspector's Sample.....	10.31	3.78	12.52	59.23
11435	946G	Kornfalfa Feed Milling Co., Kansas City, Mo.				
		Kornfalfa Kandy Feed—Guarantee.....	9.00	2.50	12.00	25.00
11987	390T	Manufacturer's Sample.....	9.24	2.67	11.20	58.64
		Inspector's Sample.....	9.30	2.10	10.84	60.99
		Kawmo Molasses Feed—Guarantee.....	9.00	2.50	12.00	55.00
11439	946I	Manufacturer's Sample.....	10.13	2.13	13.34	56.12
		K. C. Straight Alfalfa Molasses Feed— Guarantee.....	9.00	1.00	25.00	45.00
11436	946J	Manufacturer's Sample.....	8.73	.98	18.07	47.66
		Krow Scratch Feed—with Grit—Guar- antee.....	10.00	3.25	4.50	60.00
11438	946K	Manufacturer's Sample.....	9.81	2.47	2.75	68.49
		Krow Chick Feed—Guarantee.....	8.50	3.50	4.00	65.00
11434	946M	Manufacturer's Sample.....	9.60	2.18	2.40	67.06
		Kay Molasses Feed—Guarantee.....	8.00	1.50	17.00	50.00
11366	946N	Manufacturer's Sample.....	9.87	1.69	12.54	57.54
		Krow Scratch Feed—without Grit— Guarantee.....	10.00	3.50	4.50	60.00
11662	946O	Manufacturer's Sample.....	11.40	3.05	2.39	70.44
10845	93T	La Grange Cotton and Oil Mfg. Co., La Grange, Texas.				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11335	201T	Inspector's Sample.....	41.45	6.75	9.95	29.64
11833	298T	Inspector's Sample.....	42.21	7.40	10.70	24.86
		Inspector's Sample.....	44.21	7.50	10.51	25.36
		Crushed Cotton Seed Cake—Guarantee...	44.00	7.00	10.00	25.00
11081	156T	Inspector's Sample.....	40.00	6.49	12.07	27.58



ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free- extract
11128	1579A	<i>Laird, J. P., Uvalde, Texas.</i>				
		Kafir Corn Head Chops—Guarantee.....	9.00	2.50	7.00	68.00 <sup>a</sup>
11129	1579B	Manufacturer's Sample.....	10.06	4.18	7.78	66.31 <sup>b</sup>
		Milo Maize Head Chops—Guarantee.....	9.50	2.50	7.50	62.00 <sup>a</sup>
		Manufacturer's Sample.....	11.05	2.60	7.25	67.21 <sup>b</sup>
10848	96T	<i>Lake Side Rice Milling Co., Eagle Lake, Texas.</i>				
		Rice Polish—Guarantee.....	12.00	9.00	3.00	55.00
		Inspector's Sample.....	12.56	10.60	6.09	55.46
11280	219M	<i>Lamar Cotton Oil Co., Paris, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	24.00 <sup>a</sup>
		Inspector's Sample.....	39.87	7.26	8.84	30.75 <sup>b</sup>
11032	141T	<i>Landa Cotton Oil Co., New Braunfels, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	7.00	20.00 <sup>a</sup>
11765	294T	Inspector's Sample.....	46.73	7.55	8.22	26.29 <sup>b</sup>
		Inspector's Sample.....	48.06	7.60	7.47	25.59 <sup>b</sup>
11043	142T	Loco Mixed Feed—Guarantee.....	10.00	3.00	40.00	30.00 <sup>a</sup>
		Inspector's Sample.....	11.78	2.46	42.39	32.34 <sup>b</sup>
11780	286T	Inspector's Sample.....	12.25	2.32	41.71	33.17 <sup>b</sup>
		Cotton Seed Cake—Guarantee.....	43.00	7.00	7.00	20.00 <sup>a</sup>
11333	199T	Inspector's Sample.....	50.91	7.77	7.02	21.74 <sup>b</sup>
11788	285T	<i>Landa Roller Mills, New Braunfels, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.15	4.15	3.00	70.00 <sup>a</sup>
		Inspector's Sample.....	10.29	3.45	2.29	70.85 <sup>b</sup>
11764	293T	Wheat Bran—Guarantee.....	14.00	3.00	10.00	50.00
		Inspector's Sample.....	17.73	4.13	8.91	53.64 <sup>b</sup>
11971	375T	Inspector's Sample.....	16.43	4.02	10.99	52.21 <sup>b</sup>
		Wheat Short—Guarantee.....	14.00	3.00	5.00	55.00
12024	381T	Inspector's Sample.....	17.28	4.31	5.63	59.46 <sup>b</sup>
10711	1542A	<i>Land Milling Co., Texarkana, Ark.</i>				
		Pure Corn Chops—Guarantee.....	9.00	3.89	2.18	72.63 <sup>a</sup>
12034	283M	Manufacturer's Sample.....	9.64	4.41	2.75	68.27 <sup>b</sup>
		Inspector's Sample.....	9.78	3.31	2.50	71.63 <sup>b</sup>
11433	1542B	L. B. Mixed Feed—Guarantee.....	11.00	3.00	10.00	62.24 <sup>a</sup>
		Manufacturer's Sample.....	13.30	4.03	13.46	52.35 <sup>b</sup>
10800	1542C	Ark Dairy Feed—Guarantee.....	14.00	3.75	12.00	50.00 <sup>a</sup>
		Manufacturer's Sample.....	17.30	6.63	16.29	46.53 <sup>b</sup>
12054	1542D	L. B. Mixed Chops—Guarantee.....	8.00	3.50	2.50	73.00 <sup>a</sup>
		Manufacturer's Sample.....	9.50	2.93	2.40	70.05 <sup>b</sup>
11898	444R	<i>Lane &amp; Lorentzen, El Paso, Texas.</i>				
		Mill Run Bran—Guarantee.....	14.50	4.00	9.00	55.00
		Inspector's Sample.....	17.88	3.92	8.82	56.45 <sup>b</sup>
12073	1051B	Wheat Shorts—Guarantee.....	15.00	3.00	5.00	60.00
		Manufacturer's Sample.....	15.31	1.92	2.33	70.65 <sup>b</sup>
10853	101T	<i>Lane Rice Mill Co., Lane City, Texas.</i>				
		Rice Polish—Guarantee.....	11.00	8.00	3.00	50.00 <sup>a</sup>
		Inspector's Sample.....	9.25	6.71	1.55	69.39 <sup>b</sup>
10854	102T	Rice Bran—Guarantee.....	10.00	11.00	10.00	40.00 <sup>a</sup>
		Inspector's Sample.....	11.36	7.89	7.36	52.98 <sup>b</sup>
11085	161T	Inspector's Sample.....	11.18	12.68	10.26	48.05 <sup>b</sup>
11082	157T	<i>Lavaca Cotton Oil Co., Hallettsville, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	23.00 <sup>a</sup>
11688	271T	Inspector's Sample.....	45.93	7.24	8.92	25.39 <sup>b</sup>
		Inspector's Sample.....	46.69	8.41	7.63	24.33 <sup>b</sup>
10743	957I	<i>Larabee Flour Mills Co., Hutchinson, Kans.</i>				
		Mill Run Bran—Guarantee.....	14.50	3.50	8.50	54.00 <sup>a</sup>
11412	116W	Manufacturer's Sample.....	18.37	4.57	7.87	54.72 <sup>b</sup>
		Inspector's Sample.....	17.47	3.67	8.68	53.73 <sup>b</sup>
10955	1550A	<i>Larroe Milling Co., Detroit, Mich.</i>				
		Dried Beet Pulp—Guarantee.....	8.00	.50	20.00	58.00 <sup>a</sup>
		Manufacturer's Sample.....	8.75	.78	22.40	57.01 <sup>b</sup>
11161	1258G	<i>Lawther-Burgher Grain Co., Dallas, Texas.</i>				
		Mixed Bran—Guarantee.....	11.50	4.00	10.50	56.00 <sup>a</sup>
		Manufacturer's Sample.....	12.61	4.57	6.00	65.02 <sup>b</sup>
11073	290R	<i>Lee County Cotton Oil Co., Giddings, Texas.</i>				
		Cotton Seed Cake—Guarantee.....	44.30	6.70	9.00	21.06 <sup>a</sup>
11583	152W	Inspector's Sample.....	47.06	13.55	5.03	22.22 <sup>b</sup>
		Cotton Seed Meal—Guarantee.....	44.30	6.70	9.00	21.10 <sup>a</sup>
		Inspector's Sample.....	46.73	8.41	8.35	23.06 <sup>b</sup>

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11910	109C	<i>Leger Mill Co., Altus, Okla.</i> Maize Chops—Guarantee . . . . .	10.00	2.50	2.90	72.50
		Manufacturer's Sample . . . . .	12.25	3.17	2.33	70.18
11575	362R	Mill Run Bran—Guarantee . . . . .	16.00	3.85	8.40	54.00
		Inspector's Sample . . . . .	16.21	3.65	8.35	58.29
11095	202M	<i>Leonard Cotton Oil Co., Leonard, Texas.</i> Cotton Seed Meal—Guarantee . . . . .	48.00	7.00	6.00	24.00
		Inspector's Sample . . . . .	48.63	7.66	7.42	24.15
10736	1526D	<i>Lewis, A. L., Dallas, Texas.</i> K. K. B. Feed—Guarantee . . . . .	10.25	2.90	4.75	66.00
		Manufacturer's Sample . . . . .	12.27	3.71	5.49	64.19
10824	1526E	Alfalfa Meal—Guarantee . . . . .	13.00	1.75	30.00	37.50
		Manufacturer's Sample . . . . .	15.29	1.75	26.42	42.60
10740	185F	<i>Littard Milling Co., Decatur Texas.</i> Red Top Cane Seed and Kafir Corn Chops —Guarantee . . . . .	9.00	3.00	3.00	68.00
		Manufacturer's Sample . . . . .	11.24	3.37	3.85	67.67
10784	185G	Wheat Chops—Guarantee . . . . .	14.00	2.30	3.10	68.00
		Manufacturer's Sample . . . . .	14.47	1.78	3.28	66.87
10781	185H	Mixed Feed—Guarantee . . . . .	12.50	3.50	6.00	60.00
		Manufacturer's Sample . . . . .	16.34	4.07	5.63	61.62
11623	185I	Hog Flour—Guarantee . . . . .	12.50	3.50	6.00	60.00
		Manufacturer's Sample . . . . .	16.34	4.07	5.63	61.62
10778	223R	Mixed Bran and Shorts—Guarantee . . . . .	15.00	3.85	8.00	54.00
		Inspector's Sample . . . . .	18.13	4.05	7.13	58.31
12104	468R	Inspector's Sample . . . . .	16.90	2.55	5.52	62.88
10794	222R	Pure Corn Chops—Guarantee . . . . .	9.81	3.45	2.57	72.13
		Inspector's Sample . . . . .	9.62	3.65	2.89	72.27
10804	1662A	<i>Live Oak Farm, Muldoon, Texas.</i> Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	9.00	4.45	2.61	71.04
11767	297T	<i>Lockhart Oil and Gin Co., Lockhart, Texas.</i> Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	8.00	22.00
		Inspector's Sample . . . . .	46.79	7.61	9.78	24.14
11982	376T	Inspector's Sample . . . . .	46.88	8.72	7.53	25.29
10763	155M	<i>Lockwood, J. H., Paris, Texas.</i> Corn Chops and Corn Bran—Guarantee . . . . .	9.00	3.00	3.50	70.00
		Inspector's Sample . . . . .	8.99	4.01	2.72	71.19
11093	200M	<i>Longview Cotton Oil Co., Longview, Texas.</i> Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	24.00
		Inspector's Sample . . . . .	38.20	6.64	10.26	32.19
10958	1553A	<i>Longview Mill and Elevator Co., Longview, Texas.</i> Pure Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	9.84	3.83	2.76	69.13
10717	1535A	<i>Lucas &amp; Davis, Fort Worth, Texas.</i> Banner Stock Feed—Guarantee . . . . .	10.50	2.75	40.00	30.00
		Manufacturer's Sample . . . . .	14.06	2.56	37.41	32.86
10977	138T	<i>Luling Oil and Mfg. Co., Luling, Texas.</i> Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	8.00	22.00
		Inspector's Sample . . . . .	39.69	9.21	13.63	25.61
10872	7W	<i>Lysle, J. C. Milling Co., Leavenworth, Kansas.</i> Wheat Shorts—Guarantee . . . . .	14.50	4.50	8.00	54.00
		Inspector's Sample . . . . .	16.41	5.01	6.47	59.00
11818	1655A	<i>McCallum, J. W., Comanche, Texas.</i> Ground Maize and Barley Feed—Guarantee . . . . .	9.00	2.25	5.50	64.00
		Manufacturer's Sample . . . . .	13.25	2.78	4.41	67.61
11617	420R	<i>McCully &amp; Co., Brownwood, Texas.</i> Pure Corn Chops—Guarantee . . . . .	9.00	4.00	3.00	70.00
		Inspector's Sample . . . . .	9.56	3.95	2.26	70.77
10949	532C	<i>McDaniel Milling Co., Carthage, Mo.</i> Wheat Shorts—Guarantee . . . . .	16.01	4.00	4.28	60.97
		Manufacturer's Sample . . . . .	16.39	3.84	3.03	64.50
10751	156M	Inspector's Sample . . . . .	18.14	5.40	6.18	56.80

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>McFadden-Weiss-Kyle Rice Mfg. Co.,</i> Beaumont, Texas.				
11027	15W	Mixed Feed—Guarantee . . . . .	11.00	6.00	14.00	45.00
		Inspector's Sample . . . . .	13.09	7.97	15.60	45.24
10878	16W	Rice Polish—Guarantee . . . . .	11.50	6.50	3.00	60.00
		Inspector's Sample . . . . .	11.56	6.64	2.30	60.65
10879	17W	Rice Bran—Guarantee . . . . .	11.00	10.00	15.00	44.00
11782	288T	Inspector's Sample . . . . .	10.50	9.73	14.67	43.20
		Inspector's Sample . . . . .	12.40	8.82	16.85	41.74
		<i>McGregor Milling and Grain Co.,</i> McGregor, Texas.				
11054	40W	Indian and Kafir Corn Chops—Guarantee..	9.00	3.00	4.00	65.00
		Inspector's Sample . . . . .	9.81	3.99	2.88	71.20
11741	337T	Mixed Corn Chops—Guarantee . . . . .	9.50	2.60	3.00	71.00
		Inspector's Sample . . . . .	9.62	3.57	2.64	70.00
11778	291T	Corn Chops—Guarantee . . . . .	9.00	4.00	3.00	70.00
		Inspector's Sample . . . . .	9.37	3.05	2.76	70.24
		<i>McGregor Oil and Milling Co.,</i> McGregor, Texas.				
11021	37W	Cotton Seed Meal—Guarantee . . . . .	43.00	9.00	7.00	24.00
		Inspector's Sample . . . . .	45.44	8.80	9.14	24.40
		<i>McKee, J. F. and R. D.,</i> Eldorado, Texas.				
11109	838B	Milo Maize Head Chops—Guarantee . . . . .	9.50	2.50	7.50	62.00
		Manufacturer's Sample . . . . .	10.11	2.44	4.75	70.54
		<i>McKinney Cotton Oil Co.,</i> McKinney, Texas.				
11220	212M	Cotton Seed Meal—Guarantee . . . . .	43.00	8.00	7.00	24.00
		Inspector's Sample . . . . .	45.88	8.07	8.58	24.33
11221	213M	Mixed Hulls and Meal—Guarantee . . . . .	11.50	3.50	45.00	20.00
		Inspector's Sample . . . . .	9.14	3.12	45.77	30.28
		<i>McLeroy Milling Co.,</i> Normangee, Texas.				
11144	1594A	Pure Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
		Manufacturer's Sample . . . . .	11.34	3.79	2.38	71.93
		<i>Magnolia Cotton Oil Co.,</i> Houston, Texas.				
10898	127T	Cotton Seed Meal—Guarantee . . . . .	43.00	8.00	9.00	20.00
11272	180T	Inspector's Sample . . . . .	43.82	7.82	8.22	26.58
10992	270T	Inspector's Sample . . . . .	41.60	8.75	9.69	27.52
		Inspector's Sample . . . . .	44.75	6.95	9.06	26.92
		<i>Mammoth Milling Co.,</i> Kansas City, Mo.				
10720	1511E	Mosota Mixed Feed—Guarantee . . . . .	14.00	3.50	10.00	50.00
		Manufacturer's Sample . . . . .	13.09	4.55	13.70	54.75
10772	1511F	Mosota Mixed Feed—Guarantee . . . . .	13.00	3.00	12.00	55.00
		Manufacturer's Sample . . . . .	11.86	3.25	18.86	54.08
10768	1511G	Mosota Mixed Feed—Guarantee . . . . .	14.00	3.50	12.00	50.00
		Manufacturer's Sample . . . . .	12.28	3.65	15.34	50.97
		<i>Meador-Atlas Co.,</i> New York City, N. Y.				
11430	1626A	Allstock Molasses Grains—Guarantee . . . . .	13.00	2.00	8.00	54.00
		Manufacturer's Sample . . . . .	14.45	.55	8.08	52.75
		<i>Mealer, T. H.,</i> Garland, Texas.				
11637	303B	Milo Maize Chops—Guarantee . . . . .	9.00	2.75	3.00	71.00
		Manufacturer's Sample . . . . .	10.37	2.57	2.23	72.29
		<i>Memphis Cotton Oil Co.,</i> Memphis, Texas.				
11528	246M	Dixie Cream Mixed Feed—Guarantee . . . . .	10.00	3.00	40.00	35.00
		Inspector's Sample . . . . .	10.24	2.47	44.19	32.09
11580	247M	Screened Cracked Cotton Seed Cake—Guarantee . . . . .	44.00	7.00	8.09	24.44
		Inspector's Sample . . . . .	43.55	7.99	8.73	26.81
11553	248M	Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	8.09	24.44
		Inspector's Sample . . . . .	43.13	10.04	8.27	26.19
		<i>Merchants and Planters Oil Co.,</i> Houston, Texas.				
10901	130T	Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	9.00	24.00
11076	188T	Inspector's Sample . . . . .	42.85	7.84	10.58	27.54
11706	248T	Inspector's Sample . . . . .	45.50	9.07	8.51	25.30
10991	268R	Inspector's Sample . . . . .	42.12	7.04	11.84	27.69
		Inspector's Sample . . . . .	45.62	8.19	9.32	17.75

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11806	1652A	<i>Mercury Mill and Grain Co.</i> , Mercury, Texas.				
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Manufacturer's Sample.....	9.90	3.75	2.98	70.06
12067	1687A	<i>Michot, J. H., &amp; Son</i> , Port Lavaca, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.44	3.07	2.65	70.10
11251	1607A	<i>Miles Electric Milling Co.</i> , Miles, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11829	438R	Manufacturer's Sample.....	10.17	4.35	2.67	70.59
		Inspector's Sample.....	9.62	3.50	3.53	70.56
11135	1586A	<i>Miles Light and Power Co.</i> , Miles, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.30	3.68	2.60	70.56
12074	1690A	<i>Miller, Wills &amp; Cox</i> , Mexia, Texas.				
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Manufacturer's Sample.....	9.56	3.73	2.65	71.79
11485	325R	<i>Mineral Wells Cotton Seed Oil Co.</i> , Mineral Wells, Texas.				
		Cold Pressed Cotton Seed Cake—Guarantee	24.80	7.00	25.00	27.00
		Inspector's Sample.....	25.06	5.29	29.34	29.55
11676	1238B	<i>Marco Mills</i> , Pine Bluff, Ark.				
		Marco Mixed Feed—Guarantee.....	10.50	3.50	14.00	56.00
		Manufacturer's Sample.....	11.09	3.76	12.49	60.51
12069	1238C	Hominy Feed—Guarantee.....	11.00	9.00	6.00	61.00
		Manufacturer's Sample.....	11.20	7.40	8.13	62.46
11835	172W	<i>Marlin Oil Co.</i> , Marlin, Texas.				
		Cotton Seed Meal—Guarantee.....	43.00	8.00	9.00	24.00
		Inspector's Sample.....	47.16	7.91	8.29	24.88
11139	1589A	<i>Mark, J. S.</i> , Hastings, Okla.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	11.17	4.03	2.69	70.69
11092	199M	<i>Marshall Oil Co.</i> , Marshall, Texas.				
		Cotton Seed Meal—Guarantee.....	43.50	6.50	9.00	24.00
11840	270M	Inspector's Sample.....	35.97	7.08	11.48	32.38
		Inspector's Sample.....	45.44	8.47	7.15	25.51
11181	60W	<i>Mart Cotton Oil Co.</i> , Mart, Texas.				
		Cotton Seed Meal—Guarantee.....	45.00	7.40	6.22	24.00
		Inspector's Sample.....	45.73	8.72	8.40	24.60
10961	1556A	<i>Martha Alfalfa Milling Co.</i> , Martha, Okla.				
		Pure Alfalfa Meal—Guarantee.....	12.50	1.75	32.00	37.00
		Manufacturer's Sample.....	13.44	1.97	26.91	41.34
10818	1546A	<i>Mason Brothers</i> , Yoakum, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.56	4.55	2.94	70.45
11958	303T	<i>Mason Grain Co.</i> , Brownsville, Texas.				
		Rice Bran and Molasses—Guarantee.....	8.00	6.50	7.25	50.50
		Inspector's Sample.....	10.34	9.15	9.61	40.88
11150	1598A	<i>Mathis, G. E.</i> , Goliad, Texas.				
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.55	5.46	2.85	68.54
11348	1617A	<i>Mathews, G. W.</i> , Grain and Elevator Co., Terrell, Texas.				
		Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Manufacturer's Sample.....	9.75	3.92	2.45	67.91
10974	135T	<i>Mission Cotton Oil Co.</i> , Mission, Texas.				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	47.87	9.22	6.70	22.98
11592	435R	<i>Missouri Milling Co.</i> , Ballinger, Texas.				
		Mixed Feed—Guarantee.....	11.81	1.47	14.28	56.08
		Inspector's Sample.....	11.68	2.57	12.73	56.31
10689	203R	Pure Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
		Inspector's Sample.....	8.92	4.31	2.68	70.32

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Missouri Milling Co., Ballinger, Texas—Con- tinued.</i>				
10907	236R	Inspector's Sample . . . . .	10.15	3.47	2.06	73.37
11831	436R	Inspector's Sample . . . . .	9.62	2.88	2.60	68.13
		Adulterated Bran—Guarantee . . . . .	11.81	1.47	14.28	56.08
10906	235R	Inspector's Sample . . . . .	15.04	2.10	15.75	56.53
11722	434R	Inspector's Sample . . . . .	12.72	2.49	20.00	47.12
		<i>Mitchell, H. A., Winters, Texas.</i>				
		Maize Chops—Guarantee . . . . .	9.50	2.50	3.00	71.00
11250	1606A	Manufacturer's Sample . . . . .	10.36	3.17	2.45	70.52
		<i>Model Milling and Elevator Co., Greeley, Colo.</i>				
		Mill Run Wheat Bran—Guarantee . . . . .	14.50	3.50	10.00	50.00
11469	140W	Inspector's Sample . . . . .	15.78	3.68	8.03	54.92
		<i>Modern Milling and Mfg. Co., Waxahachie, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	4.00	3.00	70.00
11065	56W	Inspector's Sample . . . . .	9.85	3.89	2.41	72.22
		Wheat Bran—Guarantee . . . . .	14.75	4.57	9.14	56.37
11066	57W	Inspector's Sample . . . . .	17.90	3.58	7.91	57.97
		<i>Moffitt, E. A., Mineral Wells, Texas.</i>				
		Mixed Feed—Guarantee . . . . .	11.00	3.00	4.00	65.00
10934	1443B	Manufacturer's Sample . . . . .	14.59	4.34	4.40	63.30
		Maize Chops—Guarantee . . . . .	9.00	2.75	3.00	71.00
11864	1443C	Manufacturer's Sample . . . . .	9.50	2.99	2.37	72.44
		Kafir Corn Chops—Guarantee . . . . .	9.00	2.50	3.00	71.00
11866	1443D	Manufacturer's Sample . . . . .	10.31	2.62	2.64	71.50
		Pure Corn Chops—Guarantee . . . . .	9.00	3.00	3.50	70.00
10780	219R	Inspector's Sample . . . . .	8.61	3.94	3.02	73.74
12032	463R	Inspector's Sample . . . . .	10.80	3.93	2.54	71.37
		<i>Monarch Grocery Co., Hillsboro, Texas.</i>				
		Pure Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
11119	1573A	Manufacturer's Sample . . . . .	8.63	3.56	3.10	72.87
		<i>Moullton Oil and Gin Co., Moulton, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	8.00	24.00
10830	86T	Inspector's Sample . . . . .	44.00	8.36	6.76	29.37
		<i>Munday Cotton Oil Co., Munday, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	8.00	24.00
11544	369R	Inspector's Sample . . . . .	42.73	10.28	9.76	24.67
		Cotton Seed Cake—Guarantee . . . . .	43.00	7.00	8.00	24.00
11582	370R	Inspector's Sample . . . . .	44.75	7.15	9.37	24.96
		<i>Mutual Cotton Oil Co., Fort Worth, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	9.00	24.00
11323	105W	Inspector's Sample . . . . .	39.81	6.95	12.84	28.25
		Mehul—Guarantee . . . . .	10.50	3.00	40.00	30.00
11326	106W	Inspector's Sample . . . . .	6.81	1.94	42.92	36.22
		<i>Nacogdoches Oil Mill, Nacogdoches, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	44.00	8.00	7.00	24.00
10871	5W	Inspector's Sample . . . . .	44.81	9.12	6.33	26.43
11468	143W	Inspector's Sample . . . . .	45.30	9.05	7.37	25.55
		Mixed Feed—Guarantee . . . . .	10.50	2.75	40.00	30.00
11714	142W	Inspector's Sample . . . . .	8.47	3.21	43.90	33.25
		<i>Nail, R. E., Albany, Texas.</i>				
		Mixed Feed—Guarantee . . . . .	13.50	3.00	6.00	59.50
10774	1417D	Manufacturer's Sample . . . . .	15.06	3.27	5.57	63.06
10916	248R	Inspector's Sample . . . . .	15.69	2.92	5.99	62.40
		<i>Navarro Cotton Oil Co., Corsicana, Texas.</i>				
		Prime Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	9.00	23.00
10870	2W	Inspector's Sample . . . . .	47.55	8.47	7.31	25.58
		<i>Nebraska Corn Mills, Lincoln, Neb.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	65.00
11863	1669A	Manufacturer's Sample . . . . .	10.00	4.47	2.86	66.72
		Hominy Feed—Guarantee . . . . .	9.00	5.00	5.00	65.00
11870	1669B	Manufacturer's Sample . . . . .	11.32	8.87	6.05	61.21
		<i>Neches Cotton Oil Co., Beaumont, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	9.00	22.00
10965	1560A	Manufacturer's Sample . . . . .	38.93	7.89	13.50	25.34

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11769	296T	<i>Nelson, A. V.</i> , Claude, Texas.				
		Milo Maize Chops—Guarantee.....	9.00	2.50	3.50	70.00
		Inspector's Sample.....	11.44	2.55	2.45	71.33
12077	1683A	<i>Neuenschwander, F. W.</i> , Pflugerville, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.75	4.30	2.08	71.88
11034	180M	<i>New Century Milling Co.</i> , Dallas, Texas.				
		Corn Chops and Corn Bran—Guarantee...	9.00	3.00	3.00	70.00
11730	259M	Inspector's Sample.....	9.56	4.36	2.74	70.61
11965	455R	Inspector's Sample.....	9.75	2.27	3.34	68.49
		Inspector's Sample.....	9.76	4.08	2.89	69.91
11708	258M	Mixed Bran—Guarantee.....	14.00	3.00	9.00	50.00
		Inspector's Sample.....	18.35	4.33	8.21	53.44
11884	319T	Pure Wheat Bran—Guarantee.....	14.50	4.00	10.00	50.00
		Inspector's Sample.....	17.84	4.63	8.26	54.72
11382	316R	<i>Newman, J. F. Oil Co.</i> , Sweetwater, Texas.				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	23.00
		Inspector's Sample.....	49.41	7.47	6.54	21.46
11380	317R	Cotton Seed Cake—Guarantee.....	43.00	7.00	8.00	23.00
		Inspector's Sample.....	50.75	9.11	6.29	22.43
10967	1562A	<i>Noack, O. G.</i> , Navasota, Texas.				
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Manufacturer's Sample.....	9.49	4.12	2.82	71.65
11130	1580A	<i>Nocona Cotton Oil Co.</i> , Nocona, Texas.				
		Cold Pressed Cotton Seed Cake—Guarantee.....	26.00	6.00	26.50	29.00
11578	250M	Manufacturer's Sample.....	24.61	6.80	24.96	32.69
		Inspector's Sample.....	24.61	10.58	24.43	26.61
10943	634E	<i>Nutriline Milling Co.</i> , Crowley, La.				
		Nutriline Ox Feed—Guarantee.....	9.00	2.00	20.00	45.00
		Manufacturer's Sample.....	8.75	2.76	17.60	51.93
10953	634F	Nutriline Special Stock Feed—Guarantee...	10.00	3.50	12.00	50.00
		Manufacturer's Sample.....	10.75	4.91	15.80	49.42
12003	396R	Nutriline Poultry Feed—Guarantee.....	10.00	3.00	5.00	65.00
		Inspector's Sample.....	10.53	2.80	3.01	71.78
11566	206T	Steam Cooked Nutriline Stock Feed—Guarantee.....	11.00	4.50	12.00	53.00
		Inspector's Sample.....	10.88	9.15	11.31	49.11
11207	155T	Inspector's Sample.....	9.37	5.30	10.59	56.48
10776	217W	Inspector's Sample.....	11.34	3.44	8.40	60.08
11030	6W	Inspector's Sample.....	8.34	3.76	14.60	55.39
11601	381R	Inspector's Sample.....	10.42	6.54	9.52	56.15
11843	299T	Inspector's Sample.....	10.35	6.85	10.02	53.28
11957	329T	Steam Cooked Momylk Dairy Feed—Guarantee.....	15.00	4.50	12.00	48.00
		Inspector's Sample.....	11.31	5.66	15.52	48.42
11621	382R	Inspector's Sample.....	11.23	6.94	13.53	55.52
11206	152T	Inspector's Sample.....	9.45	7.50	9.50	52.55
12005	374T	Inspector's Sample.....	11.03	6.69	12.90	49.55
12057	634G	Steam Cooked Nuline Stock Feed—Guarantee.....	10.00	3.50	12.00	50.00
		Manufacturer's Sample.....	10.82	6.79	10.31	51.92
11108	315E	<i>Oklahoma City Mill and Elevator Co.</i> , Oklahoma City, Okla.				
		Kafir Meal—Guarantee.....	10.30	3.00	2.80	71.60
		Manufacturer's Sample.....	11.27	1.71	1.97	68.29
10873	8W	<i>Oklahoma Mill Co.</i> , Kingfisher, Okla.				
		Mill Run Bran—Guarantee.....	15.00	3.50	9.00	50.00
		Inspector's Sample.....	19.90	3.60	8.10	53.30
11162	1468B	<i>Omaha Alfalfa Milling Co.</i> , Omaha, Neb.				
		Green Meadow Dairy Feed—Guarantee...	11.00	1.00	25.00	48.00
		Manufacturer's Sample.....	13.26	1.53	17.66	48.35
11167	1468C	Cream Alfalfa Dairy Feed—Guarantee.....	11.00	2.25	15.00	55.00
		Manufacturer's Sample.....	11.49	1.72	6.03	59.78
11650	1468D	Alfalfa Horse and Mule Feed—Guarantee...	10.00	2.00	12.00	55.00
		Manufacturer's Sample.....	10.47	2.02	10.48	60.23
		Peerless Alfalmo Horse Feed—Guarantee...	10.00	2.00	12.00	55.00

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
<i>Omaha Alfalfa Milling Co., Omaha, Neb.—</i>						
Continued.						
11653	1468E	Manufacturer's Sample.....	10.69	1.49	12.89	55.34
		O. K. Horse Feed—Guarantee.....	10.00	2.00	12.00	55.00
11654	1468F	Manufacturer's Sample.....	11.50	2.65	14.46	56.79
		Perfection Horse Feed—Guarantee.....	10.50	2.00	12.00	55.00
11329	193T	Inspector's Sample.....	10.27	2.48	12.04	57.45
11771	289T	Inspector's Sample.....	11.44	2.20	9.56	59.00
<i>Orange Rice Mill Co., Orange, Texas.</i>						
		Rice Bran—Guarantee.....	12.00	6.00	15.00	40.00
11297	191T	Inspector's Sample.....	12.72	14.22	12.84	41.43
11298	192T	Inspector's Sample.....	11.95	12.00	13.10	45.59
10971	278R	Inspector's Sample.....	12.17	11.75	10.03	46.47
11697	240T	Inspector's Sample.....	12.09	11.38	11.70	44.34
<i>Orient Milling Co., Chillicothe, Texas.</i>						
		Mixed Bran—Guarantee.....	14.50	3.75	9.25	55.25
10942	989J	Manufacturer's Sample.....	19.75	3.67	14.36	48.88
		Wheat Bran and Maize Chops—Guar- antee.....	12.50	3.00	5.50	65.00
11520	338R	Inspector's Sample.....	12.41	3.03	3.63	67.29
11762	439R	Inspector's Sample.....	12.25	5.50	3.49	66.30
11724	407R	Inspector's Sample.....	11.71	2.95	4.04	69.09
		Maize Chops—Guarantee.....	9.00	2.50	3.00	70.00
11546	360R	Inspector's Sample.....	9.93	2.75	2.80	71.16
		Wheat Bran—Guarantee.....	15.00	3.50	10.00	50.00
11581	364R	Inspector's Sample.....	17.28	4.09	7.43	56.18
<i>Ozark Feed Co., Neosho, Mo.</i>						
		Nezark Poultry Feed—Guarantee.....	10.00	3.00	3.00	58.00
11428	1624A	Manufacturer's Sample.....	10.90	4.22	3.98	66.81
<i>Palestine Grain Co., Palestine, Texas.</i>						
		Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11233	1442B	Inspector's Sample.....	9.97	4.47	2.33	69.87
11463	138W	Inspector's Sample.....	8.85	3.00	2.96	66.17
		Pure Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
11234	1442C	Manufacturer's Sample.....	10.23	2.41	2.97	67.99
		Pure Kafir Chops—Guarantee.....	9.50	2.75	3.00	71.00
11346	1442D	Manufacturer's Sample.....	10.20	2.48	2.26	67.83
		"Elberta Brand" Mixed Feed—Guar- antee.....	10.50	3.00	4.50	66.00
11860	1442E	Manufacturer's Sample.....	13.17	2.93	3.83	68.20
<i>Palm, J. E., Round Rock, Texas.</i>						
		Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
11802	1660A	Manufacturer's Sample.....	10.56	4.43	2.44	70.37
<i>Panola Cotton Oil Co., Carthage, Texas.</i>						
		Ko-Pres-Ko-Kake—Guarantee.....	26.50	6.16	25.95	32.43
10874	9W	Inspector's Sample.....	23.90	9.58	23.81	30.14
11827	169W	Inspector's Sample.....	22.31	8.05	24.44	32.69
<i>Pardue, W. E., Goldthwaite, Texas.</i>						
		Pure Barley Chops—Guarantee.....	13.50	3.00	6.00	65.00
10945	687D	Manufacturer's Sample.....	8.76	1.45	5.38	72.14
<i>Parmer, A. H., Eldorado, Texas.</i>						
		Ground Kafir Corn Heads—Guarantee....	9.00	2.50	7.00	68.00
10957	1552A	Manufacturer's Sample.....	11.23	2.44	5.14	69.83
		Ground Milo Maize Heads—Guarantee....	9.50	2.50	7.50	62.00
10935	1552B	Manufacturer's Sample.....	11.50	2.28	4.28	70.67
<i>Paris Milling Co., Paris, Texas.</i>						
		Wheat Bran and Corn Bran—Guarantee..	16.50	3.83	8.29	56.06
11154	9E	Manufacturer's Sample.....	16.39	4.42	9.03	55.52
<i>Paris Oil and Cotton Co., Paris, Texas.</i>						
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	24.00
10983	189M	Inspector's Sample.....	41.31	10.88	10.95	25.71
<i>Patterson, G. E. Co., Memphis, Tenn.</i>						
		Alfalfa Ration Stock Feed—Guarantee....	10.00	3.50	11.40	50.60
11563	22T	Inspector's Sample.....	10.22	2.17	9.97	58.86
10712	74T	Inspector's Sample.....	12.95	2.68	13.57	47.61
		Lasskorn—Guarantee.....	10.00	2.50	12.00	50.00

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11425	1299D	<i>Patterson, G. E., Co., Memphis, Tenn.—Con- tinued.</i>	10.56	1.87	11.69	59.50
		Manufacturer's Sample . . . . .	9.50	2.00	19.00	45.00
11674	1299E	Bossy Dairy Feed—Guarantee . . . . .	5.12	6.64	11.37	56.31
		Manufacturer's Sample . . . . .				
11935	272M	<i>Pecan Gap Cotton Oil Co., Pecan Gap, Texas.</i>	44.00	7.00	9.00	20.00
		Cotton Seed Meal—Guarantee . . . . .	48.81	9.08	6.64	23.49
		Inspector's Sample . . . . .				
11253	1609A	<i>Peoples Cotton Oil Co., Sulphur Springs, Texas.</i>	45.00	7.00	9.00	20.00
		Cotton Seed Meal—Guarantee . . . . .	39.31	7.92	11.64	29.38
		Manufacturer's Sample . . . . .				
10970	1565A	<i>Peoples Ice and Mfg. Co., Brownsville, Texas.</i>	26.00	7.00	28.00	28.00
10973	134T	Cold Pressed Cotton Seed Cake—Guar- antee . . . . .	25.90	7.87	22.63	29.50
		Inspector's Sample . . . . .	26.67	7.48	24.87	27.45
		Manufacturer's Sample . . . . .				
11083	159T	<i>Peoples Oil and Cotton Co., Wharton, Texas.</i>	44.00	7.00	8.00	24.00
11512	213T	Cotton Seed Meal—Guarantee . . . . .	39.62	11.13	11.21	26.37
11648	159W	Inspector's Sample . . . . .	38.25	5.78	15.59	27.44
		Inspector's Sample . . . . .	38.50	6.53	14.77	27.08
		Cotton Seed Cake—Guarantee . . . . .	44.00	7.00	8.00	24.00
11084	160T	Inspector's Sample . . . . .	43.46	9.71	9.64	25.24
11647	160W	Inspector's Sample . . . . .	42.15	6.11	11.31	25.75
		Inspector's Sample . . . . .				
11145	1595A	<i>Peterson, H. P., Kingsville, Texas.</i>	9.00	3.50	3.00	70.00
		Corn Chops—Guarantee . . . . .	9.67	4.70	2.37	70.38
		Manufacturer's Sample . . . . .				
10715	1088B	<i>Petrolia Grain Co., Petrolia, Texas.</i>	9.50	2.75	3.00	71.00
11232	1088C	Kafir Corn Chops—Guarantee . . . . .	11.94	1.84	2.11	68.02
		Manufacturer's Sample . . . . .	9.50	2.50	3.00	71.00
		Maize Chops—Guarantee . . . . .	12.39	3.00	2.63	70.22
		Manufacturer's Sample . . . . .				
11305	126W	<i>Pflugerville Cotton Seed Oil Co., Pflugerville, Texas.</i>	43.00	7.00	9.00	22.00
		Cotton Seed Meal—Guarantee . . . . .	43.96	8.41	10.76	23.81
		Inspector's Sample . . . . .				
11625	1632A	<i>Phillpot, J. W., Miami, Texas.</i>	9.00	3.00	3.00	71.00
11626	1632B	Pure Corn Chops—Guarantee . . . . .	10.87	4.36	2.66	69.07
11627	1632C	Manufacturer's Sample . . . . .	9.00	3.00	3.00	71.00
		Pure Kafir Chops—Guarantee . . . . .	9.81	2.77	2.58	72.15
		Manufacturer's Sample . . . . .	9.00	3.00	3.00	71.00
		Pure Maize Chops—Guarantee . . . . .	11.31	2.70	2.88	70.15
		Manufacturer's Sample . . . . .				
11098	206M	<i>Pilot Point Cotton Oil Mill Co., Pilot Point, Texas.</i>	44.00	9.00	7.00	22.00
		Cotton Seed Meal—Guarantee . . . . .	47.71	10.69	6.41	23.02
		Inspector's Sample . . . . .				
10756	3D	<i>Pilot Point Roller Mills, Pilot Point, Texas.</i>	14.00	.50	10.00	50.00
		Mixed Bran—Guarantee . . . . .	17.05	4.27	7.98	57.92
		Manufacturer's Sample . . . . .				
11533	225T	<i>Pioneer Flour Mills, San Antonio, Texas.</i>	9.00	4.00	3.00	70.00
11786	280T	Corn Chops—Guarantee . . . . .	9.05	3.31	2.96	66.31
11981	345T	Inspector's Sample . . . . .	9.37	3.51	2.86	67.36
12027	382T	Inspector's Sample . . . . .	10.00	4.30	2.63	70.89
		Inspector's Sample . . . . .	9.81	3.16	3.77	69.06
11177	300T	Wheat Bran—Guarantee . . . . .	16.50	3.50	7.97	54.00
		Inspector's Sample . . . . .	16.12	4.05	9.17	52.67
		Inspector's Sample . . . . .				
11001	194M	<i>Pittsburg Cotton Oil Co., Pittsburg, Texas.</i>	45.00	8.00	9.00	24.00
		Cotton Seed Meal—Guarantee . . . . .	46.19	9.31	5.40	26.67
		Inspector's Sample . . . . .				
11222	214M	<i>Plano Cotton Oil Co., Plano, Texas.</i>	45.00	6.00	9.00	24.00
11223	215M	Cotton Seed Meal—Guarantee . . . . .	47.58	6.85	8.42	3.83
		Inspector's Sample . . . . .	40.50	6.04	11.58	26.91
		Inspector's Sample . . . . .	9.50	3.00	45.00	30.00
11525	153W	Mixed Meal and Hulls—Guarantee . . . . .	9.41	1.98	44.85	32.23
		Inspector's Sample . . . . .				



ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free <sup>e</sup> extract
		<i>Plano Milling Co., Plano, Texas.</i>				
10749	173M	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Inspector's Sample.....	9.45	2.87	2.28	73.08
10773	174M	Wheat Shorts—Guarantee.....	14.50	3.50	3.00	60.00
		Inspector's Sample.....	17.78	3.30	2.14	66.63
		<i>Planters Gin Co., Frost, Texas.</i>				
11133	1584A	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.41	4.49	2.88	70.41
		<i>Planters Cotton Oil Co., Bonham, Texas.</i>				
11712	252M	Cotton Seed Meal—Guarantee.....	43.00	8.00	7.00	24.00
		Inspector's Sample.....	44.61	13.01	7.18	23.23
11718	253M	Planco Mixed Feed—Guarantee.....	9.00	3.00	45.00	30.00
		Inspector's Sample.....	9.00	2.13	44.82	32.23
		<i>Planters Cotton Oil Co., Navasota, Texas.</i>				
10960	1555A	Cold Pressed Cotton Seed Cake—Guarantee	26.00	7.00	28.00	28.00
11076	293R	Manufacturer's Sample.....	25.21	8.98	23.44	29.75
11573	150W	Inspector's Sample.....	26.25	7.63	24.59	28.74
		Inspector's Sample.....	24.97	8.69	26.48	28.53
		<i>Planters Cotton Oil Co., Waxahachie, Texas.</i>				
11061	52W	Planco Mixed Feed—Guarantee.....	10.22	3.53	39.62	34.30
		Inspector's Sample.....	9.68	3.28	43.97	32.57
11062	53W	Cracked Cotton Seed Cake—Guarantee.....	43.00	8.00	9.00	23.00
		Inspector's Sample.....	44.06	7.67	9.35	26.06
11063	54W	Cotton Seed Meal—Guarantee.....	43.00	8.00	9.00	22.00
		Inspector's Sample.....	43.00	7.44	10.90	26.98
		<i>Planters Oil Co., Weatherford, Texas.</i>				
11384	320R	Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
12033	462R	Inspector's Sample.....	46.37	9.02	6.86	24.74
		Inspector's Sample.....	48.00	9.20	6.37	25.26
		<i>Pond Creek Mill and Elevator Co., Pond Creek, Okla.</i>				
11172	82W	Pure Wheat Shorts—Guarantee.....	16.90	4.49	7.30	52.45
		Inspector's Sample.....	19.12	3.95	5.44	55.43
		<i>Port Arthur Rice Milling Co., Port Arthur, Texas.</i>				
11702	261T	Rice Bran—Guarantee.....	11.00	10.00	12.00	48.00
		Inspector's Sample.....	11.66	10.91	11.38	46.47
		<i>Poth Gin Co., Poth, Texas.</i>				
11510	204T	Ko-Press-Ko-Kake—Guarantee.....	27.00	7.00	25.00	26.00
		Inspector's Sample.....	28.16	7.45	25.62	26.83
		<i>Powitzky, E. H., Guadalupe, Texas.</i>				
11875	1667A	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.75	4.36	2.48	68.16
		<i>Quanah Cotton Oil Co., Quanah, Texas.</i>				
11490	237M	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	40.25	10.74	11.90	26.00
		<i>Quanah Mill and Elevator Co., Quanah, Texas.</i>				
10692	138M	Pure Corn Chops—Guarantee.....	9.60	3.90	2.50	70.00
		Inspector's Sample.....	10.11	3.64	2.36	69.67
		<i>Pratt Mill and Elevator Co., Pratt, Kan.</i>				
11337	320R	Mill Run Wheat Bran—Guarantee.....	14.00	4.00	5.00	60.00
		Inspector's Sample.....	16.35	4.49	8.24	55.25
		<i>Pritchard Rice Milling Co., Houston, Texas.</i>				
10899	128T	Rice Polish—Guarantee.....	13.00	8.00	3.00	50.00
		Inspector's Sample.....	11.71	9.54	2.78	61.86
		Rice Bran—Guarantee.....	10.00	10.00	15.00	45.00
10900	129T	Inspector's Sample.....	10.90	12.31	15.63	40.45
10932	190M	Inspector's Sample.....	11.92	8.61	12.60	46.63
11699	260T	Inspector's Sample.....	11.12	10.29	16.27	40.86
11980	363T	Inspector's Sample.....	11.87	12.58	15.82	37.09
		<i>Ralston Purina Mills, St. Louis, Mo.</i>				
11365	346F	Purina Dairy Feed—Guarantee.....	17.00	3.00	14.00	48.00
11042	4W	Manufacturer's Sample.....	14.99	1.50	11.98	51.20
		Inspector's Sample.....	16.12	2.35	13.83	50.68
		Protina Dairy Feed—Guarantee.....	20.00	4.50	14.00	48.00

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Ralston Purina Mills, St. Louis, Mo.—Con- tinued.</i>				
11372	346G	Manufacturer's Sample . . . . .	21.16	4.30	16.25	43.84
		Purina Dairy Feed—Guarantee . . . . .	16.50	3.00	15.00	45.00
11927	346H	Manufacturer's Sample . . . . .	19.54	2.94	12.56	43.75
		Purina Molasses Feed—Guarantee . . . . .	9.00	1.50	12.00	59.00
11005	3W	Inspector's Sample . . . . .	10.22	2.01	12.50	59.46
	452R	Inspector's Sample . . . . .	9.94	2.14	12.28	59.60
11962	312T	Inspector's Sample . . . . .	9.88	1.73	10.13	60.75
		Chicken Feed—Chick Size—Guarantee . . . . .	11.00	3.60	4.00	65.00
11931	450R	Inspector's Sample . . . . .	10.50	2.93	3.76	72.68
		<i>Ramsel, F., Eldorado, Texas.</i>				
		Milo Maize Chops—Guarantee . . . . .	9.50	2.50	3.00	71.00
11444	1627A	Manufacturer's Sample . . . . .	11.34	2.98	2.94	70.67
		<i>Rea-Patterson Milling Co., Coffeyville, Kan.</i>				
		Shorts and Screenings—Guarantee . . . . .	14.22	3.00	6.00	61.02
11913	189E	Manufacturer's Sample . . . . .	15.05	3.94	6.98	61.02
		Bran and Screenings—Guarantee . . . . .	14.52	3.60	13.00	55.96
11909	189F	Manufacturer's Sample . . . . .	14.97	3.47	10.82	55.46
		Pure Wheat Mixed Feed—Guarantee . . . . .	14.52	3.50	7.90	57.33
11208	158T	Inspector's Sample . . . . .	16.19	3.00	8.86	57.33
		<i>Red Star Mill and Elevator Co., Wichita, Kan.</i>				
		Wheat Bran—Guarantee . . . . .	16.68	3.35	8.95	61.30
11538	380R	Inspector's Sample . . . . .	17.62	3.80	10.42	53.00
11320	101W	Inspector's Sample . . . . .	16.31	3.85	10.44	53.03
11770	281T	Inspector's Sample . . . . .	16.72	3.40	10.20	54.16
12030	387T	Inspector's Sample . . . . .	16.85	3.53	10.70	54.77
		<i>Renshaw, W. S. W., Bridgeport, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
11256	1612A	Manufacturer's Sample . . . . .	10.02	4.04	2.64	69.27
		<i>Republic Flour Mills Co., Republic, Mo.</i>				
		Wheat Bran—Guarantee . . . . .	14.50	3.50	10.50	55.00
11640	1273E	Manufacturer's Sample . . . . .	18.28	4.32	9.62	50.29
		<i>Roach, W. A., Dodsonville, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
11812	1659A	Manufacturer's Sample . . . . .	9.30	4.36	2.41	71.49
		<i>Robertson, L., Round Rock, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
11453	1621A	Manufacturer's Sample . . . . .	10.72	4.07	2.80	69.70
		<i>Robinson Bros., Austin, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
11635	1647A	Manufacturer's Sample . . . . .	9.31	2.81	3.42	64.28
		Robinson Bros. Chicken Feed—Guarantee . . . . .	10.00	3.00	3.50	62.00
12081	1647B	Manufacturer's Sample . . . . .	11.70	2.80	2.79	71.48
		<i>Robinson, C. W. and Co., Houston, Texas.</i>				
		Rice Bran—Guarantee . . . . .	11.00	10.00	15.00	40.00
11893	443R	Inspector's Sample . . . . .	11.47	11.89	15.88	40.61
		<i>Robinson-Darforth Co., St. Louis, Mo.</i>				
		Winner Mill Feed—Scratch Size—Guar- antee . . . . .	10.00	3.00	6.00	60.00
12087	1521B	Manufacturer's Sample . . . . .	10.78	3.26	2.66	70.79
		Winner Mill Feed—Chick Size—Guarantee . . . . .	10.00	3.00	6.00	60.00
12089	1521C	Manufacturer's Sample . . . . .	10.06	3.17	3.72	72.09
		<i>Rockdale Oil Co., Rockdale, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	44.00	7.00	7.00	24.00
11193	85W	Inspector's Sample . . . . .	44.83	9.05	8.25	23.56
		<i>Rockwall Cotton Oil Co., Rockwall, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	9.00	20.00
11096	203M	Inspector's Sample . . . . .	47.81	9.56	5.78	24.77
		<i>Roquemore, G. P., Coleman, Texas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.00	70.00
11604	428R	Inspector's Sample . . . . .	10.21	3.84	2.40	69.15
		<i>Rosebud Cotton Oil Co., Rosebud, Texas.</i>				
		Prime Cotton Seed Meal—Guarantee . . . . .	43.00	7.00	9.00	20.00
11378	121M	Inspector's Sample . . . . .	39.45	6.45	14.84	27.71

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Rosenberg Mill and Elevator Co., Rosenberg, Texas.</i>				
10731	1323F	Rosenberg Fat Stock Feed—Guarantee.....	15.00	4.00	16.67	51.06
		Manufacturer's Sample.....	18.41	10.92	6.89	49.21
11106	1323G	Pure Corn Bran—Guarantee.....	8.49	11.09	4.56	65.26
		Manufacturer's Sample.....	10.07	4.25	2.80	69.22
10852	100T	Mixed Chicken Feed—Guarantee.....	7.33	2.53	3.62	54.03
		Inspector's Sample.....	11.79	2.75	3.14	52.91
11779	268T	Rosenberg Cream Dairy Feed—Guarantee.....	16.03	5.43	17.02	45.28
		Inspector's Sample.....	17.97	4.71	16.52	44.06
11878	322T	Corn Chops—Guarantee.....	9.54	3.99	2.58	70.98
		Inspector's Sample.....	9.28	3.72	2.40	69.88
		<i>Roxton Cotton Oil Co., Roxton, Texas.</i>				
11303	226M	Cotton Seed Meal—Guarantee.....	45.00	7.00	9.00	24.00
		Inspector's Sample.....	42.47	7.95	11.38	24.78
		<i>Royce Cotton Oil Co., Royse, Texas.</i>				
11103	73B	Cracked Cotton Seed Cake—Guarantee.....	43.00	7.00	9.00	22.00
		Manufacturer's Sample.....	44.08	7.55	6.38	27.13
10750	151M	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
11717	260M	Inspector's Sample.....	49.35	8.91	6.92	23.76
		Inspector's Sample.....	47.00	9.90	6.59	24.53
		<i>Runge, H., &amp; Co., Cuero, Texas.</i>				
11701	234T	Corn Bran—Guarantee.....	8.00	5.00	6.29	69.01
		Inspector's Sample.....	8.76	3.80	12.01	62.98
		<i>Runge Cotton Oil Co., Runge, Texas.</i>				
10841	88T	Cotton Seed Meal—Guarantee.....	45.00	7.00	6.00	24.00
11964	341T	Inspector's Sample.....	45.85	11.63	6.26	25.40
		Inspector's Sample.....	46.68	10.14	8.63	22.16
		<i>Rule Cotton Oil Co., Rule, Texas.</i>				
11293	305R	Cotton Seed Cake—Guarantee.....	43.00	7.00	8.00	24.00
10922	255R	Inspector's Sample.....	46.42	7.08	8.80	24.66
11587	374R	Inspector's Sample.....	41.57	7.84	12.12	25.84
		Inspector's Sample.....	47.99	7.99	7.40	24.27
		Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	24.00
11294	306R	Inspector's Sample.....	44.57	8.02	12.01	24.05
11539	376R	Inspector's Sample.....	42.48	8.02	10.65	27.99
10921	254R	Inspector's Sample.....	41.96	8.67	10.84	26.69
11713	375R	Ruco Mixed Feed—Guarantee.....	11.00	3.00	40.00	32.00
		Inspector's Sample.....	13.93	3.26	37.02	33.73
		<i>Russell, Hardee, Winnsboro, Texas.</i>				
11914	1676A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.12	4.74	2.76	69.14
		<i>Rylanda, Cheatham &amp; Wilson, Lockhart, Texas.</i>				
11977	377T	Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.43	4.50	2.57	72.02
		<i>Sackentreuther, P. G., Co., Houston, Texas.</i>				
11867	1295C	Rice Bran—Guarantee.....	13.00	14.00	10.00	48.00
		Manufacturer's Sample.....	13.03	13.31	11.02	45.05
		<i>Saint Jo Cotton Oil Co., Saint Jo, Texas.</i>				
11122	1575A	Cold Pressed Cotton Seed Cake—Guarantee.....	26.00	7.00	28.00	28.00
11559	249M	Manufacturer's Sample.....	27.74	8.04	22.90	28.47
		Inspector's Sample.....	26.23	7.30	25.24	28.29
		<i>Samson, M., &amp; Co., Fort Worth, Texas.</i>				
10761	716C	Peerless Stock Feed—Guarantee.....	12.00	2.50	21.00	50.00
		Manufacturer's Sample.....	14.63	2.62	14.57	52.12
		<i>San Angelo Cotton Oil Co., San Angelo, Texas.</i>				
10685	198R	Angelo Mixed Feed—Guarantee.....	10.50	3.00	45.00	30.00
11295	307R	Inspector's Sample.....	9.87	2.69	42.41	33.95
		Inspector's Sample.....	10.92	2.78	46.15	29.34
		<i>San Antonio Oil Works, San Antonio, Texas.</i>				
10842	90T	Cotton Seed Meal—Guarantee.....	43.00	8.00	5.00	22.00
		Inspector's Sample.....	44.74	9.40	8.35	27.96

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>San Marcos Oil and Gin Co., San Marcos, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11014	140T	Inspector's Sample.....	44.54	8.20	10.02	25.52
11768	295T	Inspector's Sample.....	44.95	8.43	9.83	24.52
		Cotton Seed Cake—Guarantee.....	44.00	7.00	7.00	25.00
11334	200T	Inspector's Sample.....	45.10	8.95	8.31	24.92
11861	528T	Inspector's Sample.....	47.21	7.34	8.65	24.54
		<i>Schulenburg Oil Mill, Schulenburg, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
10846	94 T	Inspector's Sample.....	42.81	17.00	5.75	23.66
		<i>Schulz Gin and Milling Co., Falls City, Texas.</i>				
		Corn Bran—Guarantee.....	5.28	2.73	17.03	69.93
11120	1574A	Manufacturer's Sample.....	7.40	5.75	14.53	61.79
		Pure Unbolted Corn Meal—Guarantee.....	9.25	3.91	2.52	71.71
11121	1574B	Manufacturer's Sample.....	11.01	4.37	2.56	70.79
		<i>Schumacher, H. Oil Works, Navasota, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	9.00	7.00	20.00
11572	149W	Inspector's Sample.....	47.14	9.84	6.73	24.27
11077	294R	Inspector's Sample.....	47.32	9.58	6.74	24.29
		<i>Schuster Commission Co., El Paso, Texas.</i>				
		Wheat Bran—Guarantee.....	14.50	4.75	8.48	58.70
11795	1654A	Manufacturer's Sample.....	11.87	5.58	9.44	58.92
11077	294R	Inspector's Sample.....	47.32	9.58	6.74	24.29
		<i>Schuster Commission Co., El Paso, Texas.</i>				
		Wheat Bran—Guarantee.....	14.50	4.75	8.48	58.70
11795	1654A	Manufacturer's Sample.....	11.87	5.58	9.44	58.92
		<i>Seaboard Rice Milling Co., Galveston, Texas.</i>				
		Rice Bran—Guarantee.....	12.00	10.00	12.00	40.00
10847	95T	Inspector's Sample.....	12.81	11.30	6.81	51.79
		Rice Polish—Guarantee.....	11.00	7.00	6.00	45.00
10902	131T	Inspector's Sample.....	12.19	11.78	3.36	56.41
		<i>Sealy Oil Mill and Mfg Co., Sealy, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	26.00
11080	154T	Inspector's Sample.....	46.13	10.48	6.56	24.53
		Crushed Cotton Seed Cake—Guarantee.....	43.00	7.00	9.00	26.00
11513	210T	Inspector's Sample.....	46.75	7.89	7.84	23.32
		<i>Security Flour Mill Co., Abilene, Texas.</i>				
		Wheat Shorts—Guarantee.....	15.50	4.00	5.00	55.00
10959	1554A	Manufacturer's Sample.....	18.49	4.98	6.25	55.47
		Mill Run Bran—Guarantee.....	15.50	3.50	9.00	50.00
10936	1554B	Manufacturer's Sample.....	17.31	4.24	8.69	53.18
		Corn Chops—Guarantee.....	9.00	3.00	3.50	70.00
10952	1554C	Manufacturer's Sample.....	9.55	4.50	3.68	69.94
		Wheat Bran—Guarantee.....	15.00	3.50	10.00	50.00
10947	1554D	Manufacturer's Sample.....	16.18	3.57	10.94	51.71
		<i>Seley-Early Grain Co., Waco, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
11055	46W	Inspector's Sample.....	10.09	3.97	2.84	70.43
		Milo Maize Chops—Guarantee.....	9.00	3.50	3.00	70.00
11056	47W	Inspector's Sample.....	9.67	2.74	2.23	71.84
		<i>Seguin Milling and Power Co., Seguin, Texas.</i>				
		Wheat Bran—Guarantee.....	16.00	3.50	8.00	56.00
11585	220T	Inspector's Sample.....	18.31	3.07	7.94	49.75
12016	399T	Inspector's Sample.....	17.09	3.98	8.50	52.72
		Pure Corn Chops—Guarantee.....	9.70	4.15	2.10	73.20
11683	275T	Inspector's Sample.....	9.75	4.12	3.96	64.16
		Corn Chops, Corn and Corn Meal—Guarantee.....	8.60	4.00	7.03	67.50
11787	274T	Inspector's Sample.....	9.81	4.62	5.50	68.08
12000	400T	Inspector's Sample.....	10.38	4.11	3.38	70.23
		<i>Sewell Grain and Fuel Co., Vernon, Texas.</i>				
		Corn Chops—Guarantee.....	9.00	3.00	3.50	70.00
11476	354R	Inspector's Sample.....	10.45	4.32	2.60	69.94
		<i>Seymour Cotton Oil Co., Seymour, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	24.00
10924	257R	Inspector's Sample.....	45.66	5.62	8.70	28.21
10925	258R	Inspector's Sample.....	46.20	8.39	7.77	26.08

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Seymour Mill, Elevator and Light Co., Sey- mour, Texas.</i>				
10948	336C	Pure Maize Chops—Guarantee.....	9.50	2.75	5.00	66.00
		Manufacturer's Sample.....	12.31	3.19	2.22	70.81
10944	336D	Mixed Feed—Guarantee.....	10.50	2.75	5.00	66.00
		Manufacturer's Sample.....	14.75	3.20	3.65	66.28
10926	259R	Pure Wheat Bran—Guarantee.....	14.68	3.00	8.00	55.00
		Inspector's Sample.....	21.88	4.12	6.27	55.07
10927	260R	Corn Chops and Corn Bran—Guarantee...	9.00	3.00	3.00	70.00
		Inspector's Sample.....	11.31	3.68	2.82	71.42
		<i>Shattuck Clearing House Co., Higgins, Texas.</i>				
10714	1540A	Kafir Corn Chops—Guarantee.....	9.50	2.75	3.00	71.00
		Manufacturer's Sample.....	11.56	2.45	2.38	68.83
10741	1540B	Corn Chops—Guarantee.....	9.80	4.09	2.60	72.78
		Manufacturer's Sample.....	10.13	2.20	2.12	65.29
		<i>Shamrock Cotton Oil Co., Shamrock, Texas.</i>				
11487	244M	Cotton Seed Meal—Guarantee.....	43.00	7.00	8.00	25.00
		Inspector's Sample.....	43.45	10.77	8.03	26.25
11491	247M	Cracked Cotton Seed Cake—Guarantee...	43.00	7.00	8.00	25.00
		Inspector's Sample.....	45.85	8.54	7.88	25.27
		<i>Shawnee Milling Co., Shawnee, Okla.</i>				
10702	670B	Alfalfa Meal—Guarantee.....	14.33	1.75	28.44	39.70
		Manufacturer's Sample.....	17.18	2.60	28.43	33.31
11813	670C	Mill Run Bran—Guarantee.....	16.80	3.73	8.57	54.68
		Manufacturer's Sample.....	18.05	3.20	6.01	58.55
11811	670D	Wheat Shorts—Guarantee.....	17.14	4.09	4.28	60.97
		Manufacturer's Sample.....	19.25	.51	5.12	58.04
11809	670E	Pure Corn Chops—Guarantee.....	9.54	3.60	2.68	70.68
		Manufacturer's Sample.....	10.16	4.13	2.08	70.96
11791	670F	Kafir Corn Chops—Guarantee.....	10.26	3.02	2.56	72.16
		Manufacturer's Sample.....	11.02	3.40	2.88	69.54
11820	670G	Mixed Feed—Guarantee.....	13.29	3.37	5.58	63.42
		Manufacturer's Sample.....	13.59	2.86	3.76	66.07
11316	670H	Mixed Feed—Guarantee.....	9.30	3.50	2.58	71.57
		Manufacturer's Sample.....	10.85	3.99	2.54	70.41
11822	670I	Mixed Feed—Guarantee.....	13.23	3.37	5.58	63.42
		Manufacturer's Sample.....	13.39	2.47	6.95	62.43
		<i>Sherman Mill &amp; Grain Co., Sherman, Texas.</i>				
10939	269G	Mill Run Wheat Bran—Guarantee.....	14.50	3.50	10.00	50.00
11756	156W	Manufacturer's Sample.....	14.77	3.57	9.26	55.81
		Inspector's Sample.....	16.56	3.65	8.51	56.41
10742	166M	Wheat Shorts—Guarantee.....	14.50	3.50	5.00	60.00
		Inspector's Sample.....	18.23	3.58	3.18	64.83
10753	167M	Wheat Bran—Guarantee.....	14.50	3.50	10.00	50.00
		Inspector's Sample.....	18.93	3.31	9.53	53.54
10754	168M	Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.38	4.09	2.64	71.45
		<i>Sherman Oil Mill, Sherman, Texas.</i>				
11933	277M	Milk Maker Mixture—Guarantee.....	13.70	3.00	37.00	30.00
		Inspector's Sample.....	11.70	2.46	43.74	30.98
11219	211M	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	25.00
11937	276M	Inspector's Sample.....	47.00	9.59	8.46	23.19
		Inspector's Sample.....	45.51	7.70	9.71	24.96
		<i>Sims &amp; Harris, Haskell, Texas.</i>				
11576	371R	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Inspector's Sample.....	8.81	2.08	2.58	68.47
		<i>Sisson Bros., Palacios, Texas.</i>				
12079	1688A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.12	3.70	2.26	70.70
		<i>Shiner Oil Mill and Mfg. Co., Shiner, Texas.</i>				
11044	148T	Cotton Seed Meal—Guarantee.....	46.00	7.50	7.50	23.50
		Inspector's Sample.....	44.08	9.05	7.99	26.03
		<i>Shive and Keys Mill and Grain Co., Waxa- hachie, Texas.</i>				
11068	59W	Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.96	3.02	2.09	71.95
		<i>Smith, A. F., Sunset, Texas.</i>				
10782	220R	Corn Chops—Guarantee.....	9.00	3.50	3.50	70.00
		Inspector's Sample.....	9.04	4.24	2.50	71.80

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
11052	286R	<i>Smith Bros. Grain Co., Fort Worth, Texas.</i>				
		Pure Corn Chops—Guarantee.....	9.25	3.75	3.50	70.00
		Inspector's Sample.....	10.44	3.43	2.37	70.60
11160	1007F	<i>Smith, G. B. R., Milling Co., Sherman, Texas.</i>				
		Corn Chops and Corn Bran—Guarantee.....	9.00	3.75	3.00	65.00
		Manufacturer's Sample.....	11.02	3.51	2.49	69.76
10767	162M	Inspector's Sample.....	9.52	4.20	3.15	73.39
10765	160M	Wheat Bran—Guarantee.....	17.12	3.07	7.22	58.12
10867	177M	Inspector's Sample.....	17.57	3.40	9.47	56.13
11940	333T	Inspector's Sample.....	17.56	4.56	8.13	53.70
		Wheat Shorts—Guarantee.....	17.87	3.30	6.97	57.57
10745	161M	Inspector's Sample.....	14.50	3.50	5.00	55.00
		Inspector's Sample.....	18.36	4.43	5.80	59.25
10844	92T	<i>Smithville Oil Co., Smithville, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.50	8.00	22.00
		Inspector's Sample.....	46.92	11.93	6.11	24.37
11387	313R	<i>Snyder Cotton Oil Co., Snyder, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	22.00
		Inspector's Sample.....	47.04	9.76	7.62	24.05
11381	315R	Cotton Seed Cake—Guarantee.....	44.00	7.00	9.00	22.00
		Inspector's Sample.....	48.41	10.20	7.01	23.00
10893	122T	<i>South Texas Cotton Oil Co., Houston, Texas.</i>				
		Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	22.00
		Inspector's Sample.....	43.11	8.67	11.37	26.35
		Inspector's Sample.....	43.58	7.13	9.64	28.15
		Inspector's Sample.....	43.25	7.52	8.16	28.60
		Inspector's Sample.....	41.75	8.22	10.23	27.40
		Inspector's Sample.....	45.16	7.99	8.44	25.60
		Inspector's Sample.....	45.08	7.71	9.70	25.93
10757	214S	<i>South Texas Grain Co., Houston, Texas.</i>				
		Corn Bran—Guarantee.....	9.00	5.50	5.75	60.00
		Manufacturer's Sample.....	11.18	7.14	6.22	63.57
		S. T. Stock Feed—Guarantee.....	10.25	2.75	14.75	50.00
		Inspector's Sample.....	10.40	2.29	12.40	53.10
		Inspector's Sample.....	10.33	3.25	15.93	52.48
		Inspector's Sample.....	11.89	2.77	14.11	52.50
		Feed Meal—Guarantee.....	10.00	5.50	4.50	63.00
		Inspector's Sample.....	13.51	6.58	4.80	60.83
		Sotex Stock Feed—Guarantee.....	12.00	3.00	15.75	50.00
11564	215T	Inspector's Sample.....	10.18	2.28	21.21	48.13
11529	217T	Inspector's Sample.....	13.69	3.07	14.66	52.12
11031	277T	Inspector's Sample.....	13.66	3.75	14.21	52.85
11751	243T	Inspector's Sample.....	13.69	2.51	17.06	49.13
12008	351T	Adulterated Wheat Bran—Guarantee.....	13.00	2.50	13.00	49.00
		Inspector's Sample.....	15.27	3.78	11.21	53.68
12021	352T	Pure Corn Chops—Guarantee.....	9.00	3.50	3.50	65.00
		Inspector's Sample.....	9.81	3.42	2.85	71.21
11828	173W	<i>Southwestern Milling Co., Kansas City, Mo.</i>				
		Wheat Shorts—Guarantee.....	17.40	4.85	5.90	56.30
		Inspector's Sample.....	19.00	4.70	8.22	53.75
11273	181T	<i>Southwestern Rice Co., Houston, Texas.</i>				
		Rice Bran—Guarantee.....	12.00	11.00	12.00	50.00
Inspector's Sample.....	12.97	13.52	9.05	45.93		
10933	1142B	<i>Sowell, D. S., Cleburne, Texas.</i>				
		Maize Chops—Guarantee.....	11.00	3.00	5.00	65.00
Manufacturer's Sample.....	12.21	3.05	2.36	70.87		
11263	439F	<i>Stamford Oil Mill Co., Stamford, Texas.</i>				
		Ideal Mixed Feed—Guarantee.....	10.80	3.02	38.71	32.96
		Manufacturer's Sample.....	13.15	2.95	41.22	30.83
11404	404R	Inspector's Sample.....	11.43	2.92	44.07	30.58
11379	308R	Cotton Seed Meal—Guarantee.....	44.00	8.00	8.00	23.00
		Inspector's Sample.....	45.87	9.51	6.77	24.71
10917	249R	<i>Stamford Mill and Elevator Co., Stamford, Texas.</i>				
		Mixed Feed—Guarantee.....	13.00	3.50	6.75	60.00
		Inspector's Sample.....	18.20	4.30	5.64	58.63
10918	250R	Corn Chops—Guarantee.....	9.00	3.00	3.00	70.00
		Inspector's Sample.....	10.87	4.00	2.69	71.28

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
<i>Standard Milling Co., Houston, Texas.</i>						
10890	119T	Rice Polish—Guarantee	11.00	6.00	3.00	60.00
11978	364T	Inspector's Sample	11.24	9.92	2.60	60.75
		Inspector's Sample	13.18	12.93	2.94	55.71
10891	120T	Rice Bran—Guarantee	10.00	10.00	15.00	42.00
11691	267T	Inspector's Sample	12.05	13.30	14.04	40.43
		Inspector's Sample	11.87	10.16	14.44	41.31
<i>Stanard-Tilton Milling Co., Dallas, Texas.</i>						
11823	51I	Mixed Bran—Guarantee	16.15	4.00	9.50	52.00
		Manufacturer's Sample	18.95	4.70	6.04	55.53
11716	256M	Wheat Bran—Guarantee	14.56	4.20	9.52	55.73
		Inspector's Sample	17.96	4.28	8.83	53.00
11686	255M	Wheat Shorts—Guarantee	16.00	3.50	4.00	60.00
		Inspector's Sample	17.25	2.85	2.52	65.02
11729	254M	Corn Chops and Corn Bran—Guarantee	9.12	4.48	2.61	70.88
11963	314T	Inspector's Sample	10.49	4.05	2.35	70.69
		Inspector's Sample	8.87	3.97	2.81	70.82
<i>Star Milling Co., Abilene, Texas.</i>						
10684	202R	Corn Chops—Guarantee	9.00	3.00	2.50	65.00
		Inspector's Sample	9.70	4.17	2.25	70.71
11596	285R	Corn Chops and Corn Bran—Guarantee	9.00	3.50	3.00	65.00
		Inspector's Sample	9.27	3.96	3.26	67.78
<i>Star Milling Co., Mountain Grove, Mo.</i>						
12058	1681A	Mixed Bran and Screenings—Guarantee	15.00	6.00	10.50	53.50
		Manufacturer's Sample	15.50	4.02	10.06	55.50
<i>Steger Milling Co., Bonham, Texas.</i>						
10762	157M	Pure Corn Chops—Guarantee	9.00	4.00	3.00	70.00
		Inspector's Sample	8.82	3.39	2.46	72.66
10771	158M	Mixed Feed—Guarantee	13.00	4.00	10.00	55.00
		Inspector's Sample	17.26	5.70	9.31	53.92
10752	159M	Wheat Shorts—Guarantee	14.50	3.50	3.50	60.00
		Inspector's Sample	19.67	4.31	3.13	60.59
<i>Stephenville Oil Mill, Stephenville, Texas.</i>						
11192	74W	Cotton Seed Meal—Guarantee	43.00	6.00	9.00	22.00
		Inspector's Sample	49.34	7.25	7.45	23.06
11193	75W	Cotton Seed Cake—Guarantee	43.00	6.00	9.00	22.00
		Inspector's Sample	49.60	7.15	6.07	24.10
<i>Stockdale Cotton Seed Oil Co., Stockdale, Texas.</i>						
11039	145T	Cold Pressed Cotton Seed Cake—Guarantee	26.00	7.00	28.00	24.00
		Inspector's Sample	25.43	5.53	29.49	29.49
<i>Stolz &amp; Peterson, Galveston, Texas.</i>						
10705	461O	Star Molasses Horse Feed—Guarantee	12.25	2.50	11.25	50.50
11286	187T	Manufacturer's Sample	13.92	2.33	10.33	55.26
11744	264T	Inspector's Sample	12.44	5.56	11.24	52.65
		Inspector's Sample	11.72	4.77	11.28	51.97
11826	461P	Superior Mixed Feed No. 2—Guarantee	11.00	3.00	15.00	45.00
12017	371T	Manufacturer's Sample	13.34	2.92	12.21	54.39
		Inspector's Sample	13.51	3.21	9.66	59.00
11923	461Q	Corn Chops and Corn Bran—Guarantee	8.50	3.50	10.00	60.00
		Manufacturer's Sample	10.44	4.71	3.31	68.28
11739	265T	Eureka Molasses Horse Feed—Guarantee	10.75	2.00	12.00	50.00
		Inspector's Sample	10.91	2.21	11.34	57.43
11994	370T	Eureka Molasses Cow Feed—Guarantee	13.90	2.20	11.00	45.00
		Inspector's Sample	13.06	1.73	9.11	57.02
<i>Stuttgart Rice Mill Co., Stuttgart, Ark.</i>						
11634	1613A	Rice Bran—Guarantee	12.80	13.53	8.65	46.31
		Manufacturer's Sample	11.93	8.90	8.19	49.58
<i>Sulzberger &amp; Sons Co., Chicago, Ill.</i>						
10708	1541A	Sulzberger High Protein Tankage—Guarantee	60.00	8.00	1.00	.....
		Manufacturer's Sample	51.62	10.15	1.76	3.59
<i>Sunset Grain Co., Sansom, Texas.</i>						
11880	308T	Corn Chops—Guarantee	9.00	3.50	3.50	70.00
		Inspector's Sample	10.75	4.18	2.39	71.79
11892	309T	Milo Maize Chops—Guarantee	9.50	2.50	3.00	71.00
		Inspector's Sample	10.83	2.95	2.68	71.16

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen free extract
		<i>Superior Mills, Wharton, Texas.</i>				
12062	1686A	Ear Corn Chops—Guarantee.....	8.00	3.00	8.00	65.00
		Manufacturer's Sample.....	10.26	4.02	2.53	70.99
12063	1686B	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	9.88	2.25	2.84	69.54
		<i>Swoboda, Anson, Victoria, Texas.</i>				
11810	1656A	Corn Chops—Guarantee.....	9.00	3.00	3.50	70.00
		Manufacturer's Sample.....	10.08	4.19	2.45	73.47
		<i>Taft Oil and Gin Co., Taft, Texas.</i>				
10885	114T	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	39.49	7.03	13.75	28.22
		<i>Tamalina Milling Co., San Antonio, Texas.</i>				
11675	1649A	Corn Chops and Corn Bran—Guarantee.....	9.00	3.50	3.00	70.00
12020	393T	Manufacturer's Sample.....	10.25	4.48	2.88	69.91
		Inspector's Sample.....	10.24	4.39	2.88	70.78
		<i>Taylor Cotton Oil Co., Taylor, Texas.</i>				
11201	88W	Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
		Inspector's Sample.....	40.06	8.29	12.88	27.39
		<i>Taylor Grain and Elevator Co., Corpus Christi, Texas.</i>				
11235	1513C	Pure Kafir Chops—Guarantee.....	9.50	2.75	3.00	71.00
		Manufacturer's Sample.....	11.19	3.39	2.67	70.50
11236	1513D	Pure Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Manufacturer's Sample.....	12.99	2.58	2.32	70.24
11264	1513E	Mixed Chops—Guarantee.....	9.25	3.00	3.00	70.50
11579	228T	Manufacturer's Sample.....	11.12	3.56	2.55	69.33
11948	340T	Inspector's Sample.....	11.19	3.93	2.79	63.80
		Inspector's Sample.....	10.24	3.25	2.53	71.04
		<i>Taylor-Haiger Grain Co., Hearne, Texas.</i>				
11163	1568A	Mixed Chops—Guarantee.....	9.00	4.00	3.50	70.00
		Manufacturer's Sample.....	9.86	3.13	2.76	71.92
		<i>Taylor Milling Co., Taylor, Texas.</i>				
11202	89W	Bran—Guarantee.....	16.50	3.50	9.00	52.00
		Inspector's Sample.....	17.28	3.37	8.83	55.26
		<i>Teague Cotton Oil Co., Teague, Texas.</i>				
11127	1578A	Cold Pressed Cotton Seed Cake—Guarantee.....	26.00	7.00	28.00	28.00
		Manufacturer's Sample.....	26.93	7.46	26.46	29.37
		<i>Temple Cotton Oil Mill, Temple, Texas.</i>				
11012	27W	Prime Cotton Seed Meal—Guarantee.....	45.00	7.00	9.00	22.00
		Inspector's Sample.....	43.94	8.49	10.76	25.60
11028	28W	Prime Screened Cracked Cotton Seed Cake—Guarantee.....	45.00	7.00	9.00	22.00
		Inspector's Sample.....	45.44	7.36	10.64	25.19
		<i>Tenison, W. G., Glazier, Texas.</i>				
11798	1658A	Kafir Corn Chops—Guarantee.....	9.00	2.50	3.00	71.00
		Manufacturer's Sample.....	10.34	2.75	2.06	72.30
		<i>Terminal Grain Co., Fort Worth, Texas.</i>				
10905	113T	Corn and Kafir Chops—Guarantee.....	9.50	2.90	3.00	70.50
		Inspector's Sample.....	11.02	2.65	1.66	72.90
11594	427T	Corn Chops—Guarantee.....	9.00	4.00	3.00	68.00
11967	457T	Inspector's Sample.....	10.40	3.68	3.06	68.08
		Inspector's Sample.....	9.56	3.07	2.49	71.94
		<i>Terrell Cotton Oil Co., Terrell, Texas.</i>				
11278	216M	Cotton Seed Meal—Guarantee.....	43.00	7.00	6.90	24.00
		Inspector's Sample.....	44.06	7.62	10.89	25.85
11287	217M	Mixed Feed—"Nutrio"—Guarantee.....	9.75	2.75	41.00	32.00
11734	230M	Inspector's Sample.....	11.68	2.36	42.50	31.50
		Inspector's Sample.....	9.50	2.25	43.53	32.85
		<i>Texas City Grain and Fuel Co., Texas City, Texas.</i>				
11445	1618A	Maize Chops—Guarantee.....	9.00	3.00	3.00	68.00
		Manufacturer's Sample.....	10.43	2.83	2.77	69.96



ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Texas Cotton Seed Crushers Ass'n, Galveston, Texas.</i>				
11132	1582A	Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	23.00
11979	367T	Manufacturer's Sample.....	43.74	8.03	5.15	31.58
		Inspector's Sample.....	46.69	7.92	8.31	22.92
		<i>Texas Rice Mills, Houston, Texas.</i>				
10894	123T	Rice Bran—Guarantee.....	12.50	12.50	9.00	45.00
		Inspector's Sample.....	3.45	1.09	33.65	36.07
10895	124T	Rice Polish—Guarantee.....	12.50	11.00	4.00	53.00
		Inspector's Sample.....	10.95	10.24	3.06	61.06
		<i>Texas Star Flour Mills, Galveston, Texas.</i>				
11511	205T	Wheat Bran—Guarantee.....	15.37	4.20	8.45	54.16
11975	346T	Inspector's Sample.....	18.13	3.59	9.96	51.27
		Inspector's Sample.....	17.42	3.91	8.34	54.53
11941	337T	Corn Chops—Guarantee.....	9.47	3.85	3.44	69.12
		Inspector's Sample.....	10.22	3.52	3.32	69.63
		<i>Thorndale Oil Mill, Thorndale, Texas.</i>				
11451	1282B	Cracked Cotton Seed Cake—Guarantee...	44.00	8.00	9.00	24.00
		Manufacturer's Sample.....	44.43	8.70	10.18	24.16
11310	90W	Cotton Seed Meal—Guarantee.....	44.00	8.00	9.00	24.00
		Inspector's Sample.....	44.01	7.60	9.54	24.33
		<i>Topeka Milling Co., Topeka, Kan.</i>				
10721	1075B	Wheat Shorts—Guarantee.....	15.00	4.00	5.00	55.00
		Manufacturer's Sample.....	16.47	4.70	4.74	60.79
10706	1075C	Mill Run Bran—Guarantee.....	14.50	3.00	9.00	55.00
		Manufacturer's Sample.....	15.94	5.49	9.07	54.71
		<i>Toyah Valley Alfalfa Milling Co., Balmorhea, Texas.</i>				
11041	144T	Alfalfa Meal—Guarantee.....	13.00	1.70	30.00	35.00
10868	251R	Inspector's Sample.....	10.40	1.63	30.73	39.80
		Inspector's Sample.....	11.89	2.15	30.65	38.94
		<i>Trimble, W. S., Bowie, Texas.</i>				
10737	1543A	Mixed Feed—Guarantee.....	11.00	3.00	2.50	68.00
		Manufacturer's Sample.....	12.62	2.17	3.28	65.40
		<i>Trinity Cotton Oil Co., Dallas, Texas.</i>				
11577	226T	Mixed Hulls and Meal—Guarantee.....	10.50	3.00	40.00	30.00
11307	230M	Inspector's Sample.....	10.87	8.35	43.02	23.90
11952	342T	Inspector's Sample.....	11.79	2.89	42.18	29.65
		Inspector's Sample.....	10.23	2.86	44.32	31.41
10978	181M	Cotton Seed Meal—Guarantee.....	43.00	8.00	7.00	24.00
11306	229M	Inspector's Sample.....	51.25	6.31	6.71	24.91
		Inspector's Sample.....	46.85	6.68	9.32	25.01
11048	182M	Mixed Feed—Guarantee.....	11.00	2.90	40.00	35.00
		Inspector's Sample.....	9.90	2.26	42.94	33.10
		<i>Trinity Grain Co., Dallas, Texas.</i>				
11642	1629A	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	8.97	2.01	2.72	67.95
11794	1629B	Maize Chops—Guarantee.....	9.00	2.75	3.00	71.00
		Manufacturer's Sample.....	11.20	3.13	2.55	71.19
		<i>Tyler Cotton Oil Co., Tyler, Texas.</i>				
11472	135W	Cotton Seed Meal—Guarantee.....	43.00	7.00	9.00	22.00
		Inspector's Sample.....	43.25	7.40	9.21	28.33
		<i>Uvalde Live Stock Co., Uvalde, Texas.</i>				
11799	1636A	Milo Maize Head Chops—Guarantee.....	9.00	2.50	8.00	62.00
		Manufacturer's Sample.....	10.89	2.54	6.41	68.56
		<i>United States Stock Food Co., Kansas, City, Mo.</i>				
11656	1646A	Alfalfa Molasses Feed—Guarantee.....	9.00	1.00	16.00	48.00
		Manufacturer's Sample.....	7.59	.48	14.55	52.00
11657	1646B	Eagle Brand Dairy Feed—Guarantee.....	10.00	3.00	14.00	50.00
		Manufacturer's Sample.....	9.90	1.55	14.10	54.69
11658	1646C	Eagle Brand Horse and Mule Feed—Guarantee.....	9.50	3.00	11.00	55.00
		Manufacturer's Sample.....	10.62	2.64	8.72	59.68

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Valley Mills Cotton Oil Co., Valley Mills, Texas.</i>				
11392	117W	Cotton Seed Cake—Guarantee.....	45.00	8.00	6.00	20.00
		Inspector's Sample.....	46.06	7.82	8.71	23.99
11390	118W	Cotton Seed Meal—Guarantee.....	45.00	8.00	6.00	20.00
		Inspector's Sample.....	47.20	9.28	7.78	23.75
		<i>Vanham, H., Uvalde, Texas.</i>				
11630	1633A	Milo Maize Chops—Guarantee.....	8.50	2.75	8.00	62.00
		Manufacturer's Sample.....	9.76	2.26	7.43	68.87
		<i>Van Alstyne Cotton Oil Co., Van Alstyne, Texas.</i>				
11218	210M	Cotton Seed Meal—Guarantee.....	44.00	7.00	9.00	24.00
		Inspector's Sample.....	50.01	8.72	6.55	22.71
		<i>Vernon Cotton Oil Co., Vernon, Texas.</i>				
30775	593E	Cotton Seed Meal and Hulls—Guarantee..	36.00	7.00	15.00	22.00
		Manufacturer's Sample.....	41.31	7.32	11.76	27.99
		Cotton Seed Meal—Guarantee.....	45.00	6.00	8.00	20.00
11416	234R	Inspector's Sample.....	37.81	8.53	13.06	28.42
11360	236½M	Inspector's Sample.....	35.44	8.51	14.21	29.56
11483	355R	Inspector's Sample.....	41.51	8.73	10.70	27.23
11406	241M	Inspector's Sample.....	32.85	8.56	15.57	31.27
		Cotton Seed Cake—Guarantee.....	45.00	6.00	8.00	20.00
11409	235M	Inspector's Sample.....	40.94	7.82	9.88	28.04
11408	239M	Inspector's Sample.....	36.84	7.05	13.85	28.24
11482	359R	Inspector's Sample.....	43.14	7.00	9.89	27.04
11407	240M	Inspector's Sample.....	35.79	7.13	13.86	28.93
11417	242M	Inspector's Sample.....	36.18	6.53	13.77	31.25
11459	243M	Inspector's Sample.....	35.00	7.03	13.42	30.13
		<i>Victoria Mfg. Co., Victoria, Texas.</i>				
11260	309D	Mixed Feed—Guarantee.....	11.50	2.75	40.00	32.25
		Manufacturer's Sample.....	12.51	3.14	41.65	30.42
		Mixed Feed—Guarantee.....	12.00	3.00	38.00	20.00
11672	309E	Manufacturer's Sample.....	13.15	3.04	39.15	32.40
11567	222T	Inspector's Sample.....	13.81	4.34	38.97	30.76
		Mixed Hulls and Meal—Guarantee.....	10.00	2.50	40.00	30.00
11209	168T	Inspector's Sample.....	9.34	2.51	43.64	32.45
11224	285R	Inspector's Sample.....	10.11	3.09	43.70	31.10
11949	338T	Inspector's Sample.....	11.40	2.37	44.37	29.47
		Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
10863	111T	Inspector's Sample.....	41.27	6.62	10.86	28.33
11557	221T	Inspector's Sample.....	48.25	10.12	6.61	22.25
11556	223T	Inspector's Sample.....	48.25	8.46	7.39	24.19
11542	224T	Inspector's Sample.....	34.75	7.30	15.38	28.72
11939	336T	Inspector's Sample.....	45.84	7.09	8.79	25.69
		Cotton Seed Cake—Guarantee.....	44.00	8.00	7.00	24.00
11069	284R	Inspector's Sample.....	45.91	10.76	7.36	23.83
		<i>Vogt, A. G., Sabin, Texas.</i>				
11140	1590A	Milo Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Manufacturer's Sample.....	11.19	2.99	2.05	71.84
		<i>Waco Cotton Oil Co., Waco, Texas.</i>				
11316	97W	Prime Cotton Seed Meal—Guarantee.....	45.00	7.00	9.00	22.00
11319	100W	Inspector's Sample.....	47.64	7.39	8.64	22.80
11465	146W	Inspector's Sample.....	42.63	8.99	9.73	24.59
		Inspector's Sample.....	42.90	9.39	9.93	25.10
		Prime Cotton Seed Cake—Guarantee.....	45.00	7.00	9.00	22.00
11317	98W	Inspector's Sample.....	45.91	6.73	8.87	24.34
		<i>Waco Mill and Elevator Co., Waco, Texas.</i>				
11904	235A	Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
11312	93W	Manufacturer's Sample.....	9.20	4.06	3.58	68.20
		Inspector's Sample.....	9.97	4.50	3.03	59.46
		Wheat Bran—Guarantee.....	14.50	3.00	10.00	55.00
11905	235B	Manufacturer's Sample.....	19.44	3.86	8.77	54.48
11313	94W	Inspector's Sample.....	18.12	2.72	10.28	54.14
		Wheat Shorts—Guarantee.....	15.00	4.00	5.00	60.00
11906	235C	Manufacturer's Sample.....	20.19	4.58	4.40	58.77
11314	95W	Inspector's Sample.....	19.66	3.15	4.16	58.62
		<i>Wade, John, &amp; Sons, Memphis, Tenn.</i>				
11371	1623A	Purity Feed—Guarantee.....	9.25	4.25	5.50	65.00
		Manufacturer's Sample.....	9.95	4.66	6.13	63.76
		Dairy Feed—Guarantee.....	12.00	2.25	17.50	50.00

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen free extract
		<i>Wade, John, &amp; Sons, Memphis, Tenn.—Con- tinued.</i>				
11421	1623B	Manufacturer's Sample . . . . .	10.74	2.27	13.39	55.79
		Syr Ration Horse Feed—Guarantee . . . . .	10.50	2.00	14.00	55.00
11422	1623C	Manufacturer's Sample . . . . .	9.79	2.08	13.35	58.64
		<i>Wall-Rogalsky Milling Co., McPherson, Texas.</i>				
		Pure Wheat Bran—Guarantee . . . . .	14.00	3.50	9.50	54.00
11772	287T	Inspector's Sample . . . . .	17.84	4.00	9.71	52.79
		<i>Washer, R. S., Grain Co., Atchison, Kansas.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.50	3.50	70.00
11895	453R	Inspector's Sample . . . . .	9.75	3.14	2.21	73.74
		<i>Waxahachie Cotton Oil Co., Waxahachie, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	8.00	7.00	24.00
11064	55W	Inspector's Sample . . . . .	43.49	8.96	9.70	26.30
		<i>Weatherford Milling Co., Weatherford, Texas.</i>				
		Mill Run Bran—Guarantee . . . . .	16.57	3.88	8.42	54.68
10758	138C	Manufacturer's Sample . . . . .	16.37	4.00	6.88	56.91
		<i>Wichita Mill and Elevator Co., Wichita Falls, Texas.</i>				
		Mixed Feed—Guarantee . . . . .	11.80	3.15	4.15	67.88
11574	214T	Inspector's Sample . . . . .	13.28	3.36	4.60	63.74
11776	269T	Inspector's Sample . . . . .	13.51	3.56	3.28	65.78
11727	405R	Inspector's Sample . . . . .	12.30	3.81	3.73	67.90
11990	372T	Inspector's Sample . . . . .	12.20	3.24	3.26	69.47
11960	305T	Inspector's Sample . . . . .	11.59	3.32	3.78	69.13
11591	417R	Inspector's Sample . . . . .	15.03	3.47	3.63	64.48
11519	344R	Inspector's Sample . . . . .	13.12	3.08	3.35	66.08
11518	347R	Inspector's Sample . . . . .	13.25	3.48	3.68	65.50
12102	472R	Inspector's Sample . . . . .	13.13	3.62	4.77	65.20
		Mill Run Wheat Bran—Guarantee . . . . .	16.58	3.80	9.15	54.00
11891	315T	Inspector's Sample . . . . .	18.44	3.90	8.77	53.49
11506	339R	Inspector's Sample . . . . .	17.55	3.99	8.00	55.15
		Wheat Shorts—Guarantee . . . . .	14.00	3.25	4.00	60.00
11497	346R	Inspector's Sample . . . . .	17.69	3.59	3.04	63.69
		Pure Corn Chops—Guarantee . . . . .	9.62	3.90	2.25	70.40
11494	345R	Inspector's Sample . . . . .	9.35	4.42	2.56	69.80
12103	471R	Inspector's Sample . . . . .	9.76	4.07	2.29	71.27
		Pure Corn Chops and Mill Run Bran— Guarantee . . . . .	10.90	3.77	4.30	66.30
12088	469R	Inspector's Sample . . . . .	12.16	4.04	3.76	68.88
		<i>Williams, J. S., Paris, Texas.</i>				
		Cold Pressed Feed—Guarantee . . . . .	22.00	6.50	31.00	27.00
12082	1689A	Manufacturer's Sample . . . . .	22.92	6.18	32.01	28.94
		Cold Process Meal—Guarantee . . . . .	33.00	6.00	17.00	27.00
12086	1689B	Manufacturer's Sample . . . . .	39.91	9.25	13.92	25.83
		<i>Williamson Milling Co., Clay Center, Kans.</i>				
		Corn Chops—Guarantee . . . . .	9.00	3.00	3.00	70.00
10729	1538A	Manufacturer's Sample . . . . .	9.65	3.16	2.35	69.97
		Wheat Bran—Guarantee . . . . .	15.50	3.50	10.00	52.50
10713	1538B	Manufacturer's Sample . . . . .	16.92	4.04	9.83	52.89
		Wheat Shorts—Guarantee . . . . .	17.00	4.00	5.00	59.00
10704	1538C	Manufacturer's Sample . . . . .	17.55	4.59	4.53	60.84
		Mill Run Bran—Guarantee . . . . .	16.50	3.50	8.00	53.00
10734	1538D	Manufacturer's Sample . . . . .	17.06	4.15	8.77	55.64
11402	104W	Inspector's Sample . . . . .	15.93	4.04	7.56	57.54
		<i>Willig Bros. Flouring Mills, Temple, Texas.</i>				
		Mixed Bran—Guarantee . . . . .	14.00	3.34	9.00	59.00
11037	31W	Inspector's Sample . . . . .	15.69	3.75	8.83	56.95
		Wheat Bran—Guarantee . . . . .	15.10	3.50	8.50	58.00
11013	32W	Inspector's Sample . . . . .	17.59	4.03	7.27	55.65
		Corn Chops—Guarantee . . . . .	9.50	3.90	2.50	70.00
11017	33W	Inspector's Sample . . . . .	9.84	4.01	2.64	71.73
		Wheat Shorts—Guarantee . . . . .	14.00	3.00	3.00	62.00
11023	34W	Inspector's Sample . . . . .	15.31	2.24	1.29	69.50
		<i>Western Cotton Oil Co., San Antonio, Texas.</i>				
		Cotton Seed Meal—Guarantee . . . . .	43.00	8.00	5.00	22.00
10843	91T	Inspector's Sample . . . . .	50.75	9.26	6.56	22.34
11773	283T	Inspector's Sample . . . . .	47.75	9.62	8.12	22.56
		Cracked Cotton Seed Cake—Guarantee . . . . .	43.00	8.00	5.00	22.00
11331	197T	Inspector's Sample . . . . .	48.74	8.23	7.24	23.17

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Western Cotton Oil and Gin Co., Haskell, Texas.</i>				
11568	372R	Cotton Seed Meal—Guarantee.....	43.00	6.00	9.00	22.00
10985	261R	Inspector's Sample.....	47.86	10.09	7.23	22.10
10986	263R	Inspector's Sample.....	46.50	7.70	9.79	24.92
		Cotton Seed Meal—Guarantee.....	45.62	8.55	10.02	25.20
11545	377R	Inspector's Sample.....	43.00	6.00	9.00	22.00
		"Butterfat"—Mixed Meal and Hulls— Guarantee.....	48.48	8.62	7.63	22.86
11019	262R	Inspector's Sample.....	14.00	3.00	40.00	30.00
11754	373R	Inspector's Sample.....	12.19	2.50	42.04	32.77
		Inspector's Sample.....	15.64	4.13	38.87	29.73
		<i>Western Grain Co., El Paso, Texas.</i>				
11116	1571A	Wheat Bran—Guarantee.....	14.50	3.50	10.00	52.00
		Manufacturer's Sample.....	14.37	3.97	7.13	61.07
		<i>Whaley Mill and Elevator Co., Gainesville, Texas.</i>				
10829	15E	Wheat Bran and Corn Bran—Guarantee..	16.50	3.83	8.29	56.06
		Manufacturer's Sample.....	17.28	4.73	8.23	57.94
11102	15F	Wheat Shorts—Guarantee.....	16.00	4.00	5.00	60.00
		Manufacturer's Sample.....	19.42	4.36	3.32	61.89
		<i>White, J. E., Clint, Texas.</i>				
11814	1665A	Clint Alfalfa Meal—Guarantee.....	13.50	2.00	30.00	38.00
		Manufacturer's Sample.....	13.50	1.57	28.22	41.01
		<i>Whitesboro Cotton Oil Co., Whitesboro, Texas.</i>				
11099	207W	Cotton Seed Meal—Guarantee.....	43.00	8.00	9.00	24.00
		Inspector's Sample.....	47.25	8.21	6.81	25.00
		<i>Whitewright Cotton Oil Co., Whitewright, Texas.</i>				
11094	201M	Cotton Seed Meal—Guarantee.....	43.00	7.00	7.00	24.00
		Inspector's Sample.....	48.97	9.36	5.72	24.09
		<i>Wichita Cotton Oil Co., Wichita Falls, Texas.</i>				
11495	342R	Cotton Seed Meal—Guarantee.....	43.00	8.00	9.00	24.00
11489	233M	Inspector's Sample.....	45.69	8.90	9.42	24.17
		Inspector's Sample.....	45.13	8.01	9.90	24.78
		<i>J. F. Weiser &amp; Co., Hico, Texas.</i>				
10727	46N	Corn Chops and Corn Bran—Guarantee...	8.50	3.50	3.50	69.50
		Manufacturer's Sample.....	9.24	4.79	3.18	69.77
10719	46O	Mixed Feed—Guarantee.....	12.50	3.50	8.50	57.00
		Manufacturer's Sample.....	12.69	3.96	5.25	64.82
10941	46P	Kafir Corn Chops—Guarantee.....	9.50	2.75	3.00	71.00
		Manufacturer's Sample.....	11.02	2.46	2.42	68.14
10817	46Q	Mixed Bran—Guarantee.....	14.00	3.50	10.25	52.00
11204	77W	Manufacturer's Sample.....	18.29	4.51	7.73	57.44
10915	246R	Inspector's Sample.....	15.87	3.75	8.06	57.58
		Inspector's Sample.....	18.14	2.34	6.66	60.34
11852	46R	Hog Feed—Guarantee.....	11.50	3.00	11.00	56.00
11205	78W	Manufacturer's Sample.....	10.78	2.18	3.72	71.25
11155	46R	Inspector's Sample.....	14.36	2.55	8.99	58.43
		Inspector's Sample.....	14.80	3.07	7.63	60.05
11865	46S	Rich Gray Shorts—Guarantee.....	15.00	3.00	5.00	60.00
		Manufacturer's Sample.....	18.21	3.76	6.02	56.88
11196	81W	Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
		Inspector's Sample.....	9.72	3.59	2.76	70.59
11590	403R	Mixed Chops—Guarantee.....	9.25	3.00	3.00	70.00
		Inspector's Sample.....	9.53	3.32	2.63	68.80
		<i>The Otto Weiss Alfalfa Stock Feed Co., Wichita, Kansas.</i>				
11817	423H	Otto Weiss Sweet Feed No. 1—Guarantee.	10.00	2.00	20.00	50.00
		Manufacturer's Sample.....	8.81	.63	21.86	44.98
11847	423I	Otto Weiss Sweet Feed No. 2—Guarantee.	10.00	2.00	14.00	55.00
		Manufacturer's Sample.....	10.51	1.34	15.79	52.53
11824	423J	Otto Weiss Sweet Feed No. 3—Guarantee.	10.00	2.00	15.00	55.00
		Manufacturer's Sample.....	10.61	1.56	11.50	54.59
11849	423K	Otto Weiss Sweet Feed No. 4—Guarantee.	10.00	2.00	15.00	50.00
		Manufacturer's Sample.....	9.35	1.96	16.87	51.70
		<i>Wells-Abbott-Nieman Co., Schuyler, Neb.</i>				
10799	1544A	Pure Wheat Bran—Guarantee.....	14.50	3.50	10.00	52.00
		Manufacturer's Sample.....	14.62	3.62	10.73	54.57

ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Wellington Milling Co., Wellington, Texas.</i>				
10699	1505D	Mixed Feed—Guarantee.....	10.50	6.50	13.00	50.00
		Manufacturer's Sample.....	13.96	10.62	10.49	55.17
10830	1505E	Wheat Chops—Guarantee.....	13.00	2.00	5.00	60.00
		Manufacturer's Sample.....	18.09	1.55	3.70	64.17
10816	1505F	Mixed Feed—Guarantee.....	11.50	2.75	8.75	57.50
		Manufacturer's Sample.....	15.65	3.82	10.86	57.57
		<i>West Cotton Oil Co., West, Texas.</i>				
11057	48W	Cotton Seed Meal—Guarantee.....	45.00	7.00	9.00	22.00
		Inspector's Sample.....	44.39	7.92	10.13	25.68
		<i>Wills Point Cotton Oil Co., Wills Point, Texas.</i>				
11091	198M	Cotton Seed Meal—Guarantee.....	43.50	6.50	9.00	25.00
		Inspector's Sample.....	42.00	7.91	10.97	27.85
		<i>Windsor Mill and Elevator Co., Windsor, Colo.</i>				
11477	351R	Mill Run Wheat Bran—Guarantee.....	14.50	3.50	10.00	50.00
		Inspector's Sample.....	14.05	3.84	3.36	56.25
		<i>Winnsboro Cotton Oil Co., Winnsboro, Texas.</i>				
11025	195M	Cotton Seed Meal—Guarantee.....	44.00	7.50	8.00	23.00
		Inspector's Sample.....	43.69	7.77	9.90	26.16
		<i>Winter Mill and Elevator Co., Winter, Texas.</i>				
10940	1167G	Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Manufacturer's Sample.....	10.95	2.84	2.03	72.16
11554	393R	Inspector's Sample.....	11.85	3.42	2.90	70.15
		Pure Corn Chops—Guarantee.....	9.00	4.00	3.00	70.00
11551	392B	Inspector's Sample.....	8.55	2.33	2.25	68.15
		<i>Wise, W. D., &amp; Co., El Paso, Texas.</i>				
11242	1600A	Ground Oats—Guarantee.....	10.00	3.50	9.00	58.00
		Manufacturer's Sample.....	11.74	3.94	12.10	56.18
11243	1600B	Alfalfa Meal—Guarantee.....	13.50	1.50	30.00	35.00
		Manufacturer's Sample.....	13.66	1.53	33.27	34.94
11424	1600C	Perfection Chick Food—Guarantee.....	10.00	3.50	4.00	60.00
		Manufacturer's Sample.....	11.36	2.26	4.66	66.33
11369	1600D	Corn and Maize Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.47	3.75	2.54	77.75
11419	1600E	Perfection Mash—Guarantee.....	18.00	4.00	5.00	20.00
		Manufacturer's Sample.....	21.89	5.03	6.54	51.66
11367	1600F	Corn and Kafir Corn Chops—Guarantee.....	9.00	3.00	3.50	70.00
		Manufacturer's Sample.....	11.52	3.71	2.32	70.47
11432	1600G	Perfection Hen Feed—Guarantee.....	10.00	4.00	6.00	60.00
		Manufacturer's Sample.....	11.34	3.18	3.26	68.53
		<i>Wisrodt Grain Co., Galveston, Texas.</i>				
11158	240F	Mixed Feed—T. C.—Guarantee.....	9.00	3.50	2.80	68.00
		Manufacturer's Sample.....	14.45	6.92	15.09	45.93
11157	240G	Mixed Chops—Guarantee.....	9.00	3.00	3.00	68.00
		Manufacturer's Sample.....	10.94	3.17	2.20	70.95
11749	262T	Al Cohe Mixed Feed—Guarantee.....	10.50	2.50	20.00	55.00
		Inspector's Sample.....	13.41	2.53	13.43	53.41
		<i>Wolfe City Milling Co., Wolfe City, Texas.</i>				
10938	243G	White Wolfe Mixed Feed—Guarantee.....	12.18	3.14	4.27	67.07
		Manufacturer's Sample.....	13.59	3.24	3.85	66.77
11954	316T	Inspector's Sample.....	12.17	2.96	4.14	67.56
11229	243H	Pure Milo Maize Chops—Guarantee.....	10.32	2.72	2.93	72.08
		Manufacturer's Sample.....	11.39	2.85	2.81	70.63
11340	24 I	Kafir Chops—Guarantee.....	10.30	2.91	2.50	70.85
		Manufacturer's Sample.....	10.47	2.96	1.92	68.80
		<i>Womack Milling Co., Whitewright, Texas.</i>				
11850	24D	Peacock Mixed Feed—Guarantee.....	11.00	3.55	4.50	66.35
		Manufacturer's Sample.....	14.58	4.72	5.16	63.33
		<i>Wyman, L. H., Quanah, Texas.</i>				
11124	1577A	Maize Head Chops—Guarantee.....	9.50	2.50	7.50	62.00
		Manufacturer's Sample.....	9.80	1.72	5.48	65.64
11125	1577B	Pure Maize Chops—Guarantee.....	9.50	2.50	3.00	71.00
		Manufacturer's Sample.....	11.43	3.30	2.29	70.25
11126	1577C	Pure Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Manufacturer's Sample.....	10.14	4.40	2.50	70.77

## ANALYSES OF COMMERCIAL FEEDING STUFFS, SEASON OF 1912-1913—Continued.

Lab- oratory No.	Feed control No.	Manufacturer	Pro- tein	Fat	Crude fiber	Nitro- gen-free extract
		<i>Yoakum Cotton Oil Co., Yoakum, Texas.</i>				
11003	147T	Cotton Seed Meal—Guarantee.....	44.00	8.00	7.00	24.00
11216	177T	Inspector's Sample.....	46.93	8.18	<b>8.80</b>	24.83
		Inspector's Sample.....	49.96	8.75	6.57	<b>23.12</b>
		<i>Yorktown Cotton Oil and Mfg. Co., Yorktown, Texas.</i>				
10889	118T	Cotton Seed Meal—Guarantee.....	47.00	8.50	6.00	23.00
		Inspector's Sample.....	49.15	9.30	<b>6.82</b>	25.61
11690	233T	Prime Cotton Seed Cake—Guarantee.....	47.00	8.50	6.00	23.00
		Inspector's Sample.....	49.10	<b>7.93</b>	<b>8.50</b>	23.54
		<i>Yukon Mill and Grain Co., Yukon, Okla.</i>				
11231	1026D	Pure Kafir Corn Chops—Guarantee.....	9.50	2.75	3.00	71.00
		Manufacturer's Sample.....	12.08	<b>2.70</b>	1.94	71.91
12022	379T	Corn Chops—Guarantee.....	9.00	3.50	3.00	70.00
		Inspector's Sample.....	10.50	4.02	2.77	71.55

## LAW REGULATING SALE OF FEED STUFFS IN THE STATE OF TEXAS

EFFECTIVE JULY 11, 1907.

An Act to amend Sections 1, 4, 5, 6, and 11, of Chapter 108, Acts of the Twenty-ninth Legislature, being an Act entitled: "An Act regulating the sale of concentrated commercial feeding stuffs and the materials from which they are manufactured, defining concentrated feeding stuffs, prohibiting their adulteration, providing for their correct weighing and marking, and providing for the collection of samples, the expenses of the enforcement of the law, and fixing penalties for its violation," and to add thereto:

"SEC. 11A. Empowering the director of the Experiment Station to adopt standards and definitions for concentrated feeding stuffs and to refuse the registration of feeding stuff under certain circumstances, and to cancel registration under certain circumstances after notice, and to empower said director to adopt rules and regulations for the enforcement of all the provisions of this act."

*Be it enacted by the Legislature of the State of Texas:*

SECTION 1. That Sections 1, 4, 5, 6, and 11, of Chapter 108, of the Twenty-ninth Legislature, entitled "An Act regulating the sale of concentrated commercial feeding stuffs and the materials from which they are manufactured, defining concentrated feeding stuffs, prohibiting their adulteration, providing for their correct weighing and marking, and providing for the collection of samples, the expenses of the enforcement of the law and fixing penalties for its violation," be so amended as to hereafter read as follows, and that

Section 11A, empowering the director of the Experiment Station to adopt standards and definitions for concentrated feeding stuffs and to refuse the registration of feeding stuffs under certain circumstances and to cancel registration under certain circumstances after notice, and to empower said director to adopt rules and regulations for the enforcement of all the provisions of this act, be enacted so as to read as follows:

"Section 1. Every lot or parcel of concentrated feeding stuffs, as defined in Section 3 of this act, used for feeding farm live stock, sold, offered or exposed for sale in the State of Texas for use within this State, shall have printed on a tax tag, described in Section 5 of this act, a plainly printed statement clearly and truly certifying the number of net pounds of feeding stuff in the package, stating the name or names of materials of which such weight is composed where the contents are of a mixed nature, the name, brand or trade-mark under which the article is sold, the name and the address of the manufacturer or importer, the place of manufacture, such information as is required by Section 11, if any, and a chemical analysis stating the minimum percentages it contains of crude protein, allowing 1 per cent of nitrogen to equal 6½ per cent of protein, of crude fat, of nitrogen-free extract, and

the maximum percentage it contains of crude fiber; these constituents to be determined by the methods adopted at the time by the Association of Official Agricultural Chemists of the United States. Mill products hereinafter mentioned shall have the following standard weights, viz.: Flour, one hundred and ninety-six (196) pounds per barrel, or forty-eight (48) pounds per sack; corn meal, bolted or unbolted, thirty-five (35) pounds per sack; rice bran, one hundred and forty-three (143) pounds per sack; rice polish, two hundred (200) pounds per sack; and other feeds made from cereals of any kind, whether pure, mixed, or adulterated, one hundred (100) pounds per sack. Fractional barrels and sacks shall weigh in the same proportion, and these weights shall be net and exclusive of the barrel or sack in which said product is packed. Any person, firm, or association of persons engaged in the manufacture of mill products of any character whatsoever, who shall use any bag, box, barrel, or any other receptacle into which to put such product other than one bearing the name of such mill manufacturing the same, shall be guilty of a misdemeanor, and upon conviction therefor shall be fined in any sum from one hundred dollars to one thousand dollars, or in addition thereto be confined in the county jail for a term of thirty days, or both such fine and imprisonment."

SEC. 2. The term concentrated commercial feeding stuffs, as herein used, shall not include hay and straw, the whole seed or grains of wheat, barley, rye, oats, Indian corn, rice, buckwheat or broom corn, or any other whole or unground grains or seeds.

SEC. 3. The term concentrated feedstuffs, as herein used, shall include wheat bran, wheat shorts, linseed meals, cottonseed meals, pea meals, cocoanut meals, gluten meals, gluten feeds, maize feeds, starch feeds, sugar feeds, dried brewer's grains, malt sprouts, hominy feeds, cerealine feeds, rice meals, rice bran, rice polish, rice hulls, oat feeds, corn and oat chops, corn chops, ground beef, or mixed fish feeds, and all other materials of similar nature not included in Section 3 of this act.

SEC. 4. Before any concentrated feeding stuff, as defined in Section 3 of this act, is so offered or exposed for sale, the importer, manufacturer, and party who causes it to be sold or offered for sale within the State of Texas for use within this State shall, for each and every feedstuff bearing a distinguishing name and trade-mark, file with the director of the Texas Agricultural Experiment Station a certified copy of the statement named in Section 1 of this act, and shall also deposit with said director a sealed glass jar or bottle containing not less than one pound of the feeding stuff to be sold or offered for sale, accompanied by an affidavit that it is a fair average sample thereof and corresponds within reasonable limits to the feeding stuff which it represents in the percentage of protein, fat and crude fiber and nitrogen-free extract which it contains. This shall not be construed to apply to farmers who grind their own feedstuff and who do not adulterate same.

SEC. 5. The manufacturer, importer, agent or seller of each concentrated commercial feeding stuff, as defined in Section 3 of this act, shall, before the article is offered for sale, pay to the director of the Texas Agricultural Experiment Station an inspection tax of ten cents per ton for each ton of such concentrated feeding stuff sold or offered for sale



in the State of Texas for use within this State, and shall affix to each lot shipped in bulk, and to each bag, barrel or other package of such concentrated feeding stuffs a tag to be furnished by said director stating that all charges specified in said section have been paid. The director of said Texas Agricultural Experiment Station is hereby empowered to prescribe the form of such tags and adopt such regulations as may be necessary for the enforcement of this law. Whenever the manufacturer, or importer or shipper of a concentrated feeding stuff shall have filed a statement made in Section 1 of this act, and have paid the inspection tax, no agent or seller of said manufacturer, importer or shipper, shall be required to file such statement or pay such tax. The amount of the inspection tax and penalties received by said director shall be paid into the State Treasury. So much of the inspection tax and penalties collected under this act shall be paid by the State Treasurer to the Treasurer of the Texas Agricultural and Mechanical College as the director of the Texas Agricultural Experiment Station may show by his bills has been expended in performing the duties required by this act, but in no case to exceed the amount of the inspection tax and penalties received by the State Treasurer under this act. Provided the excess, if any, for the next two years may be used as it accrues by the Board of Directors of the Agricultural and Mechanical College for the purpose of putting up a station administration building to provide the necessary offices and laboratory space, in order that the purposes of this act may be carried out.

SEC. 6. Any manufacturer, importer, or agent selling, offering or exposing for sale any concentrated commercial feeding stuff as defined in Section 3 of this act, without the statement required by Section 1 and the tax tag required by Section 5 of this act, or with a label stating that said feeding stuff contains substantially a larger percentage of protein, fat or nitrogen-free extract, or a smaller quantity of crude fiber than is contained therein, and any person violating any other provisions of this act shall, on conviction in a court of competent jurisdiction, be fined not less than one hundred dollars nor more than five hundred dollars for the first conviction, and not less than five hundred dollars nor more than one thousand dollars for each subsequent conviction.

SEC. 7. Any person who shall counterfeit or use a counterfeit of the tag or tags prescribed by this act, knowing the same to be counterfeited, or who shall use them a second time after the said tags shall have once been attached, shall be guilty of a misdemeanor, and on conviction thereof shall be fined in a sum not exceeding five hundred dollars, one-half of which shall be paid to the informer; which fine may be doubled or tripled at each second or third conviction, and so on progressively for subsequent convictions.

SEC. 8. All manufacturers and importers of concentrated commercial feeding stuffs, or dealers in same, shall, when requested, furnish the director of the Texas Experiment Station with a complete list of names or trade-marks of such feeding stuffs.

SEC. 9. The director of the Texas Agricultural Experiment Station shall cause one analysis or more to be made annually of each concentrated commercial feeding stuff sold or offered for sale under the provisions of this act. Said director is hereby authorized in person, or by deputy,

to take a sample not exceeding two pounds in weight for analysis from any lot or packages of concentrated commercial feeding stuffs which may be in the possession of any manufacturer, importer, agent, dealer or buyer in this State, but said sample shall be drawn or taken in the presence of said party or parties at interest or their representative, and shall be taken from a parcel, lot or number of parcels which shall not be less than 5 per cent of the whole lot inspected, and shall be thoroughly mixed and divided into two samples and placed in glass or metal vessels carefully sealed and label placed on each stating the name or brand of the feeding stuff or material sampled, and the name of the party from whose stock the sample is drawn and the date and place of taking such sample, and said label shall be signed by the director or his deputy and the party or parties at interest, or their representatives present at the taking and sealing of said sample; provided, that where the party or parties at interest refuse to be present and take part in the sampling of the said feedstuffs, the director or his deputies may take said samples in the presence of two disinterested witnesses, one of said duplicate samples shall be retained by the director and the other shall be left with the party whose stock was sampled, and the sample or samples retained by the director shall be for comparison with the certified statements made in Sections 1 and 4 of this act. The result of the analysis of the sample or samples so prescribed, together with such additional information as circumstances advise, shall be published in reports or bulletins by the Texas Agricultural and Mechanical College from time to time.

SEC. 10. The term importer for all purposes of this act shall be taken to mean all such persons as shall bring into or offer for sale within the State concentrated commercial feeding stuffs manufactured without this State.

SEC. 11. Any person manufacturing, selling or offering for sale any adulterated feeding stuff within this State, shall, upon conviction therefor, be punished by fine of not less than twenty-five dollars and not more than two hundred dollars, or be imprisoned in the county jail for a term of not less than thirty days and not more than sixty days, or by both such fine and imprisonment. For the purpose of this act a feeding stuff shall be deemed to be adulterated if it contains any sawdust, dirt, damaged feed, or any foreign matter whatever, or if it is in any respect not what it is represented to be, or if any rice hulls or chaff, peanut shells, corn cobs, oat hulls, or other similar substances of little or no feeding value are admixed therewith; provided, that no wholesome mixture of feeding stuff shall be deemed to be adulterated if the true percentage of constituents thereof is plainly and clearly stated on the package and made known to the purchaser at the time of the sale. It shall be the duty of the director of the Experiment Station to examine, or have examined for adulteration, all suspicious samples of feeding stuffs and such other samples as may be desirable.

SEC. 11a. The director of the Experiment Station is hereby empowered to adopt standards or definitions for concentrated feeding stuffs and such regulations as may be necessary for the enforcement of the law. The said director shall have the power to refuse the registration of any feeding stuff under a name which would be misleading

as to the materials of which it is made up, or which does not conform to the standards and definitions aforesaid. Should any of said materials be registered and it is afterwards discovered that they are in violation of the above provisions, the said director shall have the power to cancel the registration ten days after notice. The director of the Texas Experiment Station is hereby empowered to adopt such regulations as may be necessary for the enforcement of all the provisions of this act.

SEC. 12. The fact that the present feedstuff law imposes a greater tax than is necessary for the enforcement of the provisions thereof and is indefinite and uncertain in some of its provisions, creates an emergency and an imperative public necessity that the constitutional rule requiring bills to be read on three several days be suspended, and that this act take effect from and after its passage, and it is so enacted.

(NOTE.—This law becomes effective July 11, 1907.)