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AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

W. B. BIZZELL, President

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DIVISION OF CHEMISTRY

COMMERCIAL FERTILIZERS IN 1923-1924



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*In cooperation with School of Veterinary Medicine.

**On leave for one year.

***In cooperation with United States Department of Agriculture.

SUMMARY

This Bulletin contains a report of the Fertilizer Control for 1923-24.

Sales of fertilizer in Texas were 126,180 tons in 1923-24. In 1922-23 they were 73,300 tons.

The sales of fertilizers having the eleven standard formulas were 12,145 tons.

Purchasers of mixed fertilizers are advised to select one of the eleven standard formulas recommended by all agricultural agencies for use in Texas, namely, 12-3-0, 10-4-0, 8-7-0, 10-4-2, 12-2-2, 12-3-3, 12-4-4, 8-4-4, 8-4-6, 7-5-5, 10-0-4.

Purchasers of fertilizer should remember that they are buying plant food, not mere weight.

Potash in kainit costs ten cents a pound at retail, while potash in muriate or sulphate costs six cents a pound.

An explanation of terms is given.

A table is given showing the relation of the guaranteed valuation to the valuation delivered by the various manufacturers.

A table is given containing analysis of the samples of fertilizers collected by inspectors.

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COMMERCIAL FERTILIZERS IN 1923-1924

G. S. Fraps and S. E. Asbury

The sales of fertilizers in Texas in 1923-1924 are the largest yet made. The quantities of commercial fertilizers sold in Texas for several seasons are as follows:

1905-06	13,500 tons.
1910-11	52,985 tons.
1913-14	77,400 tons.
1914-15	17,500 tons.
1915-16	21,500 tons.
1916-17	42,000 tons.
1917-18	58,000 tons.
1918-19	46,000 tons.
1919-20	56,700 tons.
1920-21	14,850 tons.
1921-22	33,000 tons.
1922-23	73,300 tons.
1923-24	126,180 tons.

STANDARD FORMULAS

Eleven standard formulas for mixed fertilizers are recommended for use in Texas. They are as follows:

12-3-0	12-2-2	8-4-6
10-4-0	12-3-3	7-5-5
8-7-0	12-4-4	12-0-4
10-4-2	8-4-4	

The first figure stands for phosphoric acid, the second for nitrogen, and the third for potash. The unmixed materials such as cottonseed meal, nitrate of soda, sulphate of ammonia, acid phosphate, etc., may also be recommended.

The eleven standard formulas meet all needs for mixed fertilizer in Texas. We are not recommending the use of any other formula for mixed fertilizer. It is believed that the use of these formulas will:

- (1) Supply plant food at lower cost than in lower-grade mixtures.
- (2) Simplify recommendations by agricultural workers.
- (3) Aid in the more intelligent use of fertilizers.

A discussion of these formulas and suggestions for their use is given in Circular 31, which will be sent free on application.

CLASSIFIED SALES

Although the standard formulas for mixed fertilizers were agreed upon only in June 1923, the sales were comparatively large, and may be ex-

pected to increase as farmers become better acquainted with them. Table 1 contains a report of the sales of various fertilizers in 1923-24.

Table 1. Classified Sales of Fertilizers in Texas 1923-24.

	Tons
12-3-0 Fertilizer	682
10-4-0 Fertilizer	307
8-7-0 Fertilizer	13
12-2-2 Fertilizer	2,551
12-3-3 Fertilizer	2,943
12-4-4 Fertilizer	3,083
8-4-4 Fertilizer	745
10-4-2 Fertilizer	1,165
8-4-6 Fertilizer	203
7-5-5 Fertilizer	65
12-0-4 Fertilizer	388
Total for standard formulas.....	12,145
Other mixed fertilizer	74,713
Acid Phosphate 16%	26,386
Acid Phosphate 17, 18 and 20%	6,180
Sulphate or muriate of Potash	169
Kainit	628
Nitrate of Soda	1,558
Sulphate of Ammonia	535
Cottonseed meal	2,559
Other unmixed fertilizer	1,307
Total.....	126,180

BUY PLANT FOOD, NOT WEIGHT

A purchaser of fertilizer should remember that he is buying plant food, and not mere weight, when he buys a fertilizer. A ton of high-grade fertilizer will cost more than a ton of low grade fertilizer, but a pound of plant food in the high-grade fertilizer will cost less. This is the advantage of the Standard Formulas, which are all high-grade.

A manufacturer of fertilizer uses the following illustrations:

THREE TONS of 8-2-2 fertilizer contain 720 pounds of plant food and TWO TONS of 12-3-3 fertilizer contain exactly the same number of pounds of the same kind of plant food. If the 8-2-2 goods retail at \$33.35 per ton, THREE TONS will cost \$100.05. If the 12-3-3 goods retail at \$42.00, the TWO TONS will cost \$84.00, or \$16.05 less than the same amount of plant food in the 8-2-2 goods.

Therefore, the purchaser of 720 pounds of plant food in THREE TONS of 8-2-2 has an extra ton to pay freight on, to haul, and to apply; and must pay \$16.05 more than the purchaser of 720 pounds plant food in TWO TONS of 12-3-3 fertilizer.

NAME FERTILIZER BY ITS FORMULA

The writer advocates the naming of a fertilizer by the formula. Thus, I would speak of a 12-4-4 fertilizer, or an 8-4-4 fertilizer. This is a short

way of telling exactly what fertilizer is used. Unless a person knows what fertilizer he uses, he is not in position to profit by experience in its use.

KAINIT AN EXPENSIVE SOURCE OF POTASH

Purchasers of potash in the form of kainit paid a high price for potash this year. Reference to Table 2 shows that kainit with a valuation of \$14.84 a ton sold for \$25.50 a ton at retail, while muriate of potash with a valuation of \$60.00 a ton retailed for \$58.50. Potash in kainit cost a little more than ten cents a pound, while in muriate of potash it cost a little less than six cents a pound.

SULPHUR AND SULPHUR COMPOUNDS AS FERTILIZER

Sulphur in the free state, and sulphur in the form of gypsum, have been used to a small extent for application to the soil. Where the soil is deficient in phosphoric acid, nitrogen, or potash, as is the case in those parts of Texas using fertilizer, it is not likely that sulphur would be of any advantage.

Texas soils are much more likely to need phosphoric acid, nitrogen, or potash, than they are to need sulphur. The use of sulphur will not take care of any deficiency in phosphoric acid, nitrogen, or potash. When phosphoric acid is supplied, in the form of acid phosphate, it is accompanied by an abundant supply of sulphur. There may possibly be some soils in Texas rich in plant food which will respond to the use of sulphur as a fertilizer, and there may be some crops, such as alfalfa, upon which the sulphur would be of benefit, but the fact has not yet been demonstrated. The application of commercial fertilizers containing phosphoric acid, nitrogen, or potash is more likely to yield profitable results than the use of sulphur, which does not carry with it any of the forms of plant food likely to be deficient in Texas soils. In many sections of the State it is certain that the use of sulphur alone as a fertilizer would be of no benefit whatever. We advise those who wish to try the use of sulphur or sulphur fertilizer to do so experimentally, on one-half acre or less, at the rate of 100 to 200 pounds to the acre, in order to see what results will be secured.

INFORMATION ON THE FERTILIZER BAG OR TAG

The manufacturer must print the guaranteed analysis of the fertilizer either on the bag or on a tag attached to the bag. The information required to be printed on the bag is as follows:

Net Weight.

Name of fertilizer in full.

Name and address of manufacturer.

Guaranteed analysis:

Available phosphoric acid, per cent.

Nitrogen, per cent.

Potash, per cent.

Total phosphoric acid may be guaranteed in place of the available in bone or tannage.

Table 2. Relation of Guaranteed Valuation to Selling Price.

	Number Averaged	Average Valuation Per Ton	Average Selling Price Per Ton
Acid Phosphate 18 per cent.....	30	21.60	24.70
Acid Phosphate 16 per cent.....	133	19.20	22.99
Ammonium Sulphate.....	6	103.33	79.17
Nitrate of Soda.....	42	74.83	73.28
Muriate of Potash.....	3	60.00	58.50
Kainit.....	11	14.84	25.50
Phosphate and nitrogen, Standard grade.....	6	20.25	32.33
Phosphate and nitrogen, High grade.....	43	28.23	38.36
Complete Fertilizer, High grade.....	497	29.57	39.92
Complete Fertilizer, Standard grade.....	98	21.46	33.58
Complete Fertilizer, low grade.....	1	18.20	29.35
Phosphate and Potash, High grade.....	4	19.80	31.30

FREE ANALYSIS

Fertilizer samples, if taken in accordance with the requirements of the law, will be analyzed free of charge. Those who desire a free analysis of a fertilizer should write for a blank "Application for Free Fertilizer Analysis", to the State Chemist, College Station, Texas. Samples not taken as required by the law cannot be accepted for analysis.

BULK SALES

Fertilizers may be sold in bulk by manufacturers direct to consumers for their own use; the tax must, in such case, be paid by the manufacturer. Fertilizer purchased in bulk and then sold or distributed, must be bagged, and must have a tax tag attached to each sack; also a tag showing the guaranteed analysis of the fertilizer. Considerable saving, both in freight and in purchase price, may be made by purchasing fertilizer in bulk. For further information as to the law concerning bulk sales, address the State Chemist at College Station, Texas.

ANALYSIS BELOW GUARANTEE

Whenever any lot of fertilizer is 4 per cent. or more below guarantee all persons who have sold this lot of fertilizer must make good the deficiency to all purchasers. The rebate is paid by the manufacturer to the dealer and by the dealer to the customer. This provision of the law is strictly enforced.

INVESTIGATIONS UNDER THE FERTILIZER LAW

The State Chemist is required by the fertilizer law to "investigate the composition, properties, and agricultural values of fertilizers, or of fertilizer materials, or ingredients of fertilizer sold, offered for sale within the State of Texas, and shall publish his results as he may find."

RELATION TO EXPERIMENT STATION WORK

The work of the State Chemist is closely related to the chemical work of the Experiment Station. In his capacity as chemist to the Experiment Station, the State Chemist is carrying out extensive investigations into the fundamental properties of soils, especially with respect to their content of plant food. This work is related closely to the use of fertilizers, and is connected with investigations as to the agricultural values of fertilizers required by the fertilizer control, for fertilizers vary in effect upon the different soils.

EXPLANATION OF TERMS

Available Phosphoric Acid is the phosphoric acid which can be taken up immediately by plants. Phosphoric acid promotes the fruiting of plants, though it is necessary for the development of all parts of the plant.

Total Phosphoric Acid is the entire quantity of the phosphoric acid present, whether available or not. A guarantee of "total phosphoric acid" in place of "available" is made in bone, tankage, rock phosphate, and Thomas phosphate.

Nitrogen refers to the total nitrogen in the fertilizer. It is necessary for the development of all parts of the plant, but an excess of nitrogen delays maturity and is liable to promote the growth of stalk and leaves at the expense of fruit. Nitrogen is needed by many Texas soils.

Potash is required to be soluble in water. A great many Texas soils contain a sufficient quantity of potash, so that its use in fertilizer on such soils is a useless expense. Potash, like nitrogen, is needed by all parts of the plant, but especially by stalk and leaves. An excess of potash delays maturity and is liable to promote growth of the stalk and leaves at the expense of the fruit. American potash is equally as good as European potash.

Valuation per ton represents the cost of the plant food in the unmixed raw material, at retail, in large markets. It is not the price at which the fertilizer is sold. The selling price includes also cost of mixing, sacks, transportation, and manufacturers' and dealers' profits. The valuations are decided on about September 1, and the prices may change before the active fertilizer season, from February to April.

FERTILIZER VALUATIONS, 1923-24

	Cents per Pound
Available phosphoric acid	6
Total phosphoric acid in Thomas phosphate, tankage and bone meal	4
Nitrogen	25
Potash	6

The relation between the valuation and the retail selling price of merchants is given in Table 2.

Table 3 contains the average guaranteed valuation, and the average valuation found by our analysis, for all manufacturers doing business in Texas. In the preparation of the table, all analyses made are averaged even though several were made of each brand.

Table 3. Guaranteed and Delivered Fertilizers

	Number Averaged	Valuation of Guarantee	Valuation Found
Arkansas Fertilizer Company	31	31.82	31.65
Armour Fertilizer Works	117	31.76	32.02
Barber, Geo. L.	3	37.80	40.02
Bryan Cotton Oil & Fertilizer Company	5	21.50	24.21
Davenport and Berryman	6	30.63	32.98
Douglas Fertilizer Company	5	39.08	39.73
Fidelity Chemical Corporation	23	25.15	26.44
Ford Motor Company	6	104.00	103.96
Gate City Fertilizer Company	21	32.83	32.60
Hope Fertilizer Company	36	30.55	31.60
Houston Packing Company	1	39.60	44.07
Jefferson Oil Company	2	19.20	21.50
Kelly, Weber and Company, Ltd.	1	19.20	19.94
Longview Cotton Oil Company	22	25.87	25.53
Marshall Cotton Oil Company	19	29.79	31.11
Meridian Fertilizer Factory	152	28.46	30.09
Nitrate Agencies Company	2	75.00	76.32
Non-Acid Fertilizer and Chemical Company	1	19.20	26.66
Oil Mill and Fertilizer Works	17	31.51	32.54
Palestine Oil and Manufacturing Company	34	28.28	30.47
Pate Brothers	16	23.97	28.47
Pelican Fertilizer Works	14	29.33	31.84
Pick Fertilizer Service Company	3	24.02	24.55
Pittsburg Cotton Oil Company	17	30.53	31.97
Planters Fertilizer and Chemical Company	33	29.17	29.38
Shreveport Fertilizer Works	20	24.95	25.11
Swift and Company	204	28.13	28.96
Tennessee Coal, Iron and Railroad Company	1	14.40	15.40
Van Zandt Cotton Oil Company	14	24.35	27.01
Virginia-Carolina Chemical Company	91	27.16	28.77

ANALYSIS OF FERTILIZERS, 1923-24

Table 4 contains a list of all samples of fertilizer subjected to analysis in the season beginning September 1, 1923, to date. The table gives the name and address of the manufacturer, the name of the brand, the guaranteed analysis, and the analysis. Analysis below guarantee are brought out in heavy type. Practically all the fertilizers were collected by our inspectors. Analysis and Inspection were made by S. E. Asbury, Waldo Walker, J. K. Blum, J. E. Teague, and Gideon W. Smith.

REGISTRATIONS, 1923-24

A list of brands registered for sale in the season 1923-24 is given in Table 5. Many of the brands so registered were sold in lots of a few sacks, or were not sold at all in the State.

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Arkansas Fertilizer Company, Little Rock, Arkansas					
	Moores Special Mixture—Guarantee.....	10.00	4.00	2.00	\$34.40
30532	Analysis.....	9.56	3.48	2.00	31.27
	White Diamond Acid Phosphate—Guarantee.....	16.00			19.20
30261	Analysis.....	17.32			20.78
30474	Analysis.....	16.24			19.49
	White Diamond Bove All Acid Phosphate—Guarantee.....	18.00			21.60
30539	Analysis.....	18.99			22.79
30565	Analysis.....	18.11			21.73
	White Diamond Crop Getter—Guarantee.....	12.00	4.00	4.00	39.20
29918	Analysis.....	11.86	3.37	3.53	35.32
30289	Analysis.....	11.17	3.72	3.64	36.37
	White Diamond Early Boll—Guarantee.....	10.00	3.00	3.00	30.60
30179	Analysis.....	11.50	2.63	2.23	29.63
30469	Analysis.....	10.47	2.96	2.70	30.60
30524	Analysis.....	10.58	3.10	2.64	31.37
30564	Analysis.....	8.08	3.07	2.55	28.01
	White Diamond Economy—Guarantee.....	10.00	3.00	2.00	29.40
30174	Analysis.....	10.33	2.87	1.92	29.05
30178	Analysis.....	10.06	2.89	1.83	28.27
30187	Analysis.....	9.72	2.63	2.48	27.79
30259	Analysis.....	10.46	2.98	1.98	29.83
	White Diamond Farmers Choice—Guarantee.....	10.00	4.00	4.00	36.80
29772	Analysis.....	9.73	3.75	4.10	35.35
30031	Analysis.....	10.15	4.12	4.03	37.62
30171	Analysis.....	9.99	3.76	4.42	36.09
30177	Analysis.....	9.61	4.02	3.91	36.32
30545	Analysis.....	10.34	3.98	3.56	36.58
30563	Analysis.....	8.28	4.67	4.58	38.79
	White Diamond Nitrate of Soda—Guarantee.....		15.60		78.00
30566	Analysis.....		15.42		77.10
	White Diamond Prize Winner—Guarantee.....	10.00	2.50	3.00	28.10
29919	Analysis.....	10.87	2.84	3.29	31.19
30232	Analysis.....	10.60	2.50	2.82	28.60
30470	Analysis.....	9.81	2.72	5.14	31.54
	White Diamond Southern King—Guarantee.....	12.00	2.00	2.00	26.80
30534	Analysis.....	12.04	1.99	2.34	27.21
	White Diamond Southern Queen—Guarantee.....	10.00	1.65	2.00	22.65
30477	Analysis.....	10.20	1.59	1.44	21.92
30481	Analysis.....	8.71	2.93	3.16	28.89
	White Diamond Southern Special—Guarantee.....	9.00	3.00	3.00	29.40
30296	Analysis.....	8.99	2.19	2.51	29.75
	White Diamond Southern Standard—Guarantee.....	10.00	1.65	1.50	22.05
30260	Analysis.....	11.07	1.91	1.42	24.53
	White Diamond Special Mixture—Guarantee.....	12.00	5.00	5.00	45.40

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
	Armour Fertilizer Works, Houston, Fort Worth, Texas, New Orleans, Louisiana				
	Armour's Ammoniated Truck Grower—Guarantee.....	10.00	2.47		\$24.35
29685	Analysis.....	9.45	2.47		23.69
29886	Analysis.....	10.01	2.66		25.31
	Armour's Big Crop African Cotton Grower—Guarantee.....	9.00	2.47	3.00	26.75
29677	Analysis.....	9.24	2.41	3.10	26.86
29679	Analysis.....	8.54	2.33	3.17	25.70
29822	Analysis.....	8.35	2.45	3.25	26.17
30029	Analysis.....	8.85	2.64	3.24	27.71
	Armour's Big Crop Best Phosphate—Guarantee.....	18.00			21.60
29680	Analysis.....	18.56			22.27
29749	Analysis.....	19.00			22.80
29782	Analysis.....	18.59			22.31
29882	Analysis.....	16.11			19.33
30552	Analysis.....	18.69			22.43
	Armour's Big Crop Cotton Maker—Guarantee.....	10.00	4.00	2.00	34.40
29747	Analysis.....	9.89	3.76	2.59	33.78
29887	Analysis.....	10.26	3.92	2.34	34.72
	Armour's Big Crop Farmers Favorite—Guarantee.....	10.00	1.66	2.00	22.65
29907	Analysis.....	10.01	1.65	2.44	23.19
30075	Analysis.....	10.04	1.62	1.97	22.51
30234	Analysis.....	9.90	1.86	2.61	24.31
	Armour's Big Crop Fertilizer No. 1044—Guarantee.....	10.00	3.30	4.00	33.30
30590	Analysis.....	10.76	3.10	3.90	33.09
	Armour's Big Crop Fertilizer No. 12334—Guarantee.....	12.00	3.30	4.00	35.70
29675	Analysis.....	11.69	3.56	4.33	37.03
29691	Analysis.....	11.34	3.40	4.44	35.94
29707	Analysis.....	11.33	3.36	4.16	35.39
29729	Analysis.....	11.66	3.30	4.08	35.39
29752	Analysis.....	11.83	3.34	4.69	36.53
29780	Analysis.....	11.41	3.34	4.16	35.38
29790	Analysis.....	11.42	3.39	4.17	35.65
29823	Analysis.....	11.37	3.32	4.61	35.77
29826	Analysis.....	11.24	3.42	5.10	36.71
29827	Analysis.....	12.15	3.29	4.68	36.65
29906	Analysis.....	13.01	2.95	4.00	35.16
29962	Analysis.....	11.06	3.35	5.00	36.02
29963	Analysis.....	10.88	3.51	4.58	36.11
30063	Analysis.....	11.04	3.38	4.55	35.61

Commercial Fertilizers in 1923-1924

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Armour Fertilizer Works, Houston, Fort Worth, Texas, New Orleans, Louisiana.—Continued					
	Armour's Big Crop Fertilizer No. 12334—Continued—Guarantee.....	12.00	3.30	4.00	\$35.70
30101	Analysis.....	11.81	3.23	4.67	35.92
30103	Analysis.....	11.87	3.24	4.26	35.55
30105	Analysis.....	11.66	3.04	4.30	34.35
30106	Analysis.....	10.82	3.23	4.65	34.71
30107	Analysis.....	12.58	3.33	3.85	36.37
30173	Analysis.....	11.38	3.46	4.39	36.23
30263	Analysis.....	12.75	2.98	4.43	35.52
	Armour's Big Crop Fertilizer No. 102473—Guarantee.....	10.00	2.47	3.00	27.95
29678	Analysis.....	9.73	2.53	3.21	28.18
29686	Analysis.....	9.26	2.65	2.69	27.59
29751	Analysis.....	10.40	2.97	4.19	32.47
29775	Analysis.....	9.65	2.41	3.35	27.65
29905	Analysis.....	10.50	2.59	3.21	29.40
29961	Analysis.....	10.29	2.34	3.78	28.59
29964	Analysis.....	9.43	2.36	3.62	27.46
30053	Analysis.....	9.25	2.34	3.38	26.86
30163	Analysis.....	9.69	2.49	3.33	28.08
30181	Analysis.....	9.64	2.62	3.35	28.69
30553	Analysis.....	9.18	3.03	3.21	30.50
	Armour's Big Crop Fertilizer No. 121652—Guarantee.....	12.00	1.65	2.00	25.05
29828	Analysis.....	11.43	1.77	2.64	25.74
	Armour's Big Crop Muriate of Potash—Guarantee.....			50.00	60.00
29690	Analysis.....			48.75	58.50
	Armour's Big Crop New Mixture—Guarantee.....	10.00	3.00	3.00	30.60
29750	Analysis.....	9.27	2.62	3.32	28.20
29773	Analysis.....	9.95	2.96	3.23	30.62
30526	Analysis.....	10.28	2.86	2.97	30.20
30528	Analysis.....	10.78	2.85	2.84	30.60
30529	Analysis.....	9.26	2.91	3.11	29.39
30537	Analysis.....	9.48	2.39	3.06	27.00
30593	Analysis.....	10.04	2.69	3.65	29.88
	Armour's Big Crop Onion Fertilizer No. 846—Guarantee.....	8.00	3.29	6.00	33.25
30221	Analysis.....	7.66	3.18	5.74	31.98
30222	Analysis.....	7.64	3.22	5.58	31.97
	Armour's Big Crop Onion Fertilizer No. 860—Guarantee.....	8.00	4.94		34.30
30224	Analysis.....	9.71	4.45		33.90
30226	Analysis.....	6.94	4.42		30.43
	Armour's Big Crop Phosphate and Potash No. 124—Guarantee.....	12.00		4.00	19.20
30152	Analysis.....	12.46		4.53	20.39

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
	Armour Fertilizer Works, Houston, Fort Worth, Texas, New Orleans Louisiana—Continued				
	Armour's Big Crop Star Phosphate—Guarantee.....	16.00			19.20
29681	Analysis.....	16.71			20.05
29687	Analysis.....	17.21			20.65
29748	Analysis.....	16.39			19.67
29759	Analysis.....	16.63			19.96
29791	Analysis.....	17.26			20.71
29883	Analysis.....	17.43			20.92
30028	Analysis.....	17.22			20.66
30076	Analysis.....	16.20			19.44
30134	Analysis.....	16.05			19.26
30153	Analysis.....	16.19			19.43
30323	Analysis.....	16.23			19.54
30343	Analysis.....	16.60			19.92
30352	Analysis.....	18.91			22.69
30464	Analysis.....	16.97			20.36
30551	Analysis.....	16.37			19.64
30521	Analysis.....	18.21			21.85
30579	Analysis.....	16.27			19.52
30576	Analysis.....	15.89			19.07
30592	Analysis.....	17.46			20.95
	Armour's Big Crop Texas High Analysis—Guarantee.....	12.00	4.00	4.00	39.20
29774	Analysis.....	12.62	4.08	4.83	41.34
30523	Analysis.....	12.42	4.03	3.60	39.37
30525	Analysis.....	12.38	4.21	3.63	40.27
30535	Analysis.....	13.55	3.80	2.58	38.36
	Armour's Big Crop Texas Trucker—Guarantee.....	8.00	2.47	3.00	25.55
30136	Analysis.....	6.50	2.50	2.67	23.50
30161	Analysis.....	7.07	2.37	2.86	23.76
30341	Analysis.....	9.08	2.26	3.51	26.41
30351	Analysis.....	8.05	2.43	3.00	25.41
	Armour's Big Crop Truck Special—Guarantee.....	7.00	4.11	6.00	36.15
29688	Analysis.....	7.02	3.74	6.03	34.36
29708	Analysis.....	7.80	3.62	6.04	34.71
29881	Analysis.....	7.38	3.99	6.38	36.47
29965	Analysis.....	8.99	3.62	4.54	34.34
30515	Analysis.....	8.45	3.56	4.76	33.65
	Armour's Corn King—Guarantee.....	8.00	2.47	2.00	24.35
29781	Analysis.....	7.74	2.39	2.27	23.96
	Armour's Kainit—Guarantee.....			12.40	14.88
29885	Analysis.....			12.84	15.41

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Armour Fertilizer Works, Houston, Fort Worth, Texas, New Orleans, Louisiana.—Continued					
30077	Analysis.....			12.56	15.07
30139	Analysis.....			12.43	14.92
30522	Analysis.....			13.29	15.95
	Armour's King Cotton—Guarantee.....	8.00	1.65	2.00	20.25
29789	Analysis.....	7.59	1.66	2.05	19.87
29795	Analysis.....	7.13	1.64	1.65	18.74
30030	Analysis.....	7.57	1.64	2.07	19.76
30064	Analysis.....	7.71	1.49	2.32	19.48
30313	Analysis.....	6.96	1.56	2.00	18.55
30519	Analysis.....	7.22	1.75	2.10	19.93
	Armour's Royal Mixture—Guarantee.....	10.00	1.65	1.00	21.45
30137	Analysis.....	9.17	1.67	1.10	20.67
	Nitrate of Soda—Guarantee.....		14.81		74.05
29689	Analysis.....		15.37		76.85
29869	Analysis.....		14.96		74.80
29884	Analysis.....		15.52		77.60
30135	Analysis.....		15.16		75.80
30225	Analysis.....		15.39		76.95
30229	Analysis.....		15.59		77.95
30264	Analysis.....		15.28		76.40
30516	Analysis.....		15.44		77.20
30559	Analysis.....		15.42		77.10
30581	Analysis.....		15.02		75.10
Geo. L. Barber, Jacksonville, Texas					
	Barber's 16% Acid Phosphate—Guarantee.....	16.00			19.20
29840	Analysis.....	17.12			20.54
30409	Analysis.....	17.32			20.78
	Barber's Nitrate of Soda—Guarantee.....		15.00		75.00
30414	Analysis.....		15.75		78.75
Bryan Cotton Oil and Fertilizer Company, Bryan, Texas					
	Star Brand Acid Phosphate 16%—Guarantee.....	16.00			19.20
29816	Analysis.....	18.45			22.14
30034	Analysis.....	18.15			21.78
30328	Analysis.....	18.85			22.62
	Star Brand Cotton and Corn Fertilizer—Guarantee.....	11.50	1.80		22.80
29817	Analysis.....	14.67	1.71		26.15

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Bryan Cotton Oil and Fertilizer Company, Bryan, Texas.—Continued					
29818	Star Brand Potato Fertilizer—Guarantee.....	8.00	3.50	.....	\$27.10
	Analysis.....	10.67	3.11	.....	28.35
Davenport and Berryman, Palestine, Texas					
29838	Bo Mat McFarland Trucker—Guarantee.....	7.00	4.00	6.00	35.60
	Analysis.....	8.94	4.16	5.82	38.51
30089	Bo Mat Money Maker—Guarantee.....	9.00	4.00	2.00	33.20
	Analysis.....	9.74	4.01	2.52	34.76
30090	Bo Mat Mortgage Lifter—Guarantee.....	10.00	2.00	2.00	24.40
	Analysis.....	11.18	2.02	2.06	25.97
29682	Bo Mat Repeater—Guarantee.....	8.00	3.00	4.00	29.40
	Analysis.....	10.83	3.06	3.81	32.87
29839	Bo Mat Texas King—Guarantee.....	10.00	3.00	3.00	30.60
	Analysis.....	11.15	3.30	3.99	34.87
30088	Analysis.....	10.29	2.98	3.07	30.93
Douglas Fertilizer Works, Little Rock, Arkansas					
29764	4 Brand Early Potato and Truck—Guarantee.....	8.00	2.50	4.00	26.90
	Analysis.....	8.79	2.63	4.37	28.94
30281	Analysis.....	8.85	2.77	3.01	28.08
	4 Brand 4 Brand Complete—Guarantee.....	10.00	3.00	4.00	31.80
29765	Analysis.....	10.21	2.94	4.56	32.42
	30282	Analysis.....	10.15	3.08	3.07	31.26
29766	4 Brand Nitrate of Soda—Guarantee.....	.....	15.60	.....	78.00
	Analysis.....	.....	15.59	.....	77.95
Fidelity Chemical Corporation, Houston, Texas					
29799	Fidelity Cotton Special Fertilizer—Guarantee.....	10.00	1.65	2.00	22.65
	Analysis.....	10.87	1.80	2.55	26.10
29808	Analysis.....	10.00	1.87	2.17	23.95
	30069	Analysis.....	10.31	1.80	2.14	23.94
30073	Analysis.....	10.21	1.87	1.64	23.57
	30078	Analysis.....	10.52	1.84	2.08	24.32
30123	Fidelity Cotton Special No. 2 Fertilizer—Guarantee.....	10.00	1.65	1.50	22.05
	Analysis.....	10.17	1.76	1.95	23.34
30183	Fidelity Cotton Standard Fertilizer—Guarantee.....	8.00	2.06	1.50	21.70
	Analysis.....	9.48	1.81	2.08	22.93

Commercial Fertilizers in 1923-1924

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Fidelity Chemical Corporation, Houston, Texas.—Continued					
	Fidelity Royal Compound Fertilizer—Guarantee.....	10.00		4.00	\$16.80
30068	Analysis.....	11.35		4.24	18.71
	Fidelity 16% Acid Phosphate—Guarantee.....	16.00			19.20
29740	Analysis.....	17.75			21.30
29809	Analysis.....	17.60			21.12
30072	Analysis.....	17.20			20.64
30074	Analysis.....	16.33			19.60
30122	Analysis.....	17.02			20.42
	Fidelity Sugarland Truckers Fertilizer—Guarantee.....	8.00	2.47	6.00	29.15
30331	Analysis.....	9.64	3.07	7.27	35.64
	Fidelity Tomato Special Fertilizer—Guarantee.....	10.00	2.47	1.50	26.15
30383	Analysis.....	9.85	2.62	2.22	27.58
	Fidelity 8-4-4 Fertilizer—Guarantee.....	8.00	4.00	4.00	34.40
29743	Analysis.....	8.41	3.85	4.28	34.48
	Fidelity 10-3-29-4 Fertilizer—Guarantee.....	10.00	3.29	4.00	33.25
29794	Analysis.....	11.74	2.46	3.23	30.27
	Fidelity 10-4-0 Fertilizer—Guarantee.....	10.00	4.00		32.00
29745	Analysis.....	10.61	3.67		31.14
	Fidelity 10-4-2 Fertilizer—Guarantee.....	10.00	4.00	2.00	34.40
29744	Analysis.....	10.16	3.59	2.49	33.13
	Fidelity 12-2-2 Fertilizer—Guarantee.....	12.00	2.00	2.00	26.80
29800	Analysis.....	12.13	1.93	2.32	26.99
	Fidelity 12-3-0 Fertilizer—Guarantee.....	12.00	3.00		29.40
29746	Analysis.....	12.35	3.24		31.02
	Fidelity 12-3-3 Fertilizer—Guarantee.....	12.00	3.00	3.00	33.00
29742	Analysis.....	11.31	2.57	3.16	30.11
	Fidelity 12-4-4 Fertilizer.....	12.00	4.00	4.00	39.20
29739	Analysis.....	11.51	3.86	4.01	37.92
Ford Motor Company, Detroit, Michigan					
	Ford Ammonium Sulphate—Guarantee.....		20.80		104.00
29683	Analysis.....		20.80		104.00
29684	Analysis.....		20.76		103.80
29716	Analysis.....		20.74		103.70
29741	Analysis.....		20.89		104.45
29763	Analysis.....		20.67		103.35
30314	Analysis.....		20.89		104.45

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Gate City Fertilizer Company, Little Rock, Arkansas					
	Red Ball Acid Phosphate—Guarantee.....	16.00			\$19.20
29768	Analysis.....	15.70			18.84
30014	Analysis.....	16.00			19.20
30240	Analysis.....	17.34			20.81
30245	Analysis.....	16.47			19.76
	Red Ball Blood and Bone—Guarantee.....	11.00	1.50	1.50	22.50
30279	Analysis.....	11.86	1.82	1.88	25.59
30472	Analysis.....	10.46	1.69	1.21	22.45
	Red Ball Bove All Acid Phosphate—Guarantee.....	18.00			21.60
30012	Analysis.....	18.76			22.51
30280	Analysis.....	19.30			23.16
30473	Analysis.....	18.90			22.68
	Red Ball Complete Fertilizer—Guarantee.....	10.00	1.65	1.00	21.45
30278	Analysis.....	10.79	1.98	1.15	24.23
	Red Ball Cotton Grower—Guarantee.....	9.00	1.65	2.00	21.45
30013	Analysis.....	8.51	1.80	2.59	22.32
	Red Ball Crop Getter—Guarantee.....	12.00	4.00	4.00	39.20
29770	Analysis.....	11.88	3.45	3.27	35.43
30276	Analysis.....	11.06	3.86	3.53	36.81
	Red Ball Early Boll—Guarantee.....	10.00	3.00	3.00	30.60
30241	Analysis.....	9.94	3.14	1.98	30.01
30277	Analysis.....	9.99	3.11	3.57	31.82
	Red Ball Farmers Choice—Guarantee.....	10.00	4.00	4.00	36.80
30471	Analysis.....	10.60	3.47	1.26	31.58
	Red Ball High Grade Truck Fertilizer—Guarantee.....	8.00	3.20	6.00	32.80
29767	Analysis.....	8.82	3.58	4.55	33.94
	Red Ball Kainit—Guarantee.....			14.00	16.80
29769	Analysis.....			14.91	17.89
	Red Ball Nitrate of Soda—Guarantee.....		15.60		78.00
29771	Analysis.....		15.37		76.85
30015	Analysis.....		14.35		71.75
30275	Analysis.....		15.39		76.95
Hope Fertilizer Company, Hope, Arkansas					
	Hope Fertilizer No. 40—Guarantee.....	10.00	3.00	3.00	30.60
30176	Analysis.....	10.10	3.50	3.55	33.88
30283	Analysis.....	9.06	3.06	3.24	30.06
30465	Analysis.....	10.82	3.07	3.11	32.06
30484	Analysis.....	10.58	2.71	3.06	29.92

Commercial Fertilizers in 1923-1924

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Hope Fertilizer Company, Hope, Arkansas—Continued					
	Hope Fertilizer No. 40 Continued—Guarantee	10.00	3.00	3.00	\$30.60
30531	Analysis.....	8.82	3.11	3.26	30.04
30544	Analysis.....	8.41	3.04	3.41	29.38
30558	Analysis.....	9.91	3.00	3.26	30.80
30599	Analysis.....	9.92	3.56	3.96	34.45
	Hope Fertilizer No. 44—Guarantee.....	12.00	2.00	2.00	26.80
30467	Analysis.....	12.39	1.95	2.18	27.24
	Hope Fertilizer No. 46—Guarantee.....	12.00	3.00	3.00	33.00
30175	Analysis.....	11.17	3.14	3.59	33.41
	Hope Fertilizer No. 50—Guarantee.....	10.00	4.00	3.00	35.60
30536	Analysis.....	9.79	4.04	3.48	36.13
	Hope Fertilizer No. 51—Guarantee.....	10.00	4.00	4.00	36.80
30172	Analysis.....	10.32	3.79	4.65	36.91
30586	Analysis.....	10.64	3.86	5.26	38.38
	Hope Fertilizer No. 55—Guarantee.....	10.00	3.00	2.00	29.40
30540	Analysis.....	10.42	3.15	2.38	31.11
	Hope Fertilizer No. 56—Guarantee.....	12.00	4.00	4.00	39.20
30170	Analysis.....	12.83	3.71	4.35	39.17
30533	Analysis.....	11.45	4.14	3.75	38.94
30595	Analysis.....	13.27	3.36	4.17	37.72
	Hope Fertilizer No. 64—Guarantee.....	12.00	4.00	.....	34.40
30527	Analysis.....	13.29	4.02	.....	36.05
	Hope Fertilizer No. 65—Guarantee.....	10.00	4.00	2.00	34.40
30596	Analysis.....	10.42	3.92	2.95	35.64
	Our Early Fruiter—Guarantee.....	10.00	1.00	1.00	18.20
29898	Analysis.....	8.91	1.28	1.41	18.78
	Our Extra Cotton Grower—Guarantee.....	10.00	1.65	2.00	22.65
29950	Analysis.....	10.85	2.00	2.32	25.80
30022	Analysis.....	11.07	1.89	2.30	25.49
30247	Analysis.....	10.59	1.92	1.96	24.65
30284	Analysis.....	9.94	1.58	2.39	22.70
30476	Analysis.....	8.98	1.66	2.51	22.09
30483	Analysis.....	8.65	2.70	2.21	26.53
	Our Potato Grower—Guarantee.....	8.00	2.00	6.00	26.80
29897	Analysis.....	8.14	2.14	6.88	28.72
	Stork Brand Acid Phosphate 18%—Guarantee.....	18.00	.....	.....	21.60
30285	Analysis.....	17.86	.....	.....	21.43
30597	Analysis.....	18.74	.....	.....	22.49
	Stork Brand Nitrate of Soda—Guarantee.....	.....	15.00	.....	75.00
30466	Analysis.....	.....	15.35	.....	76.75
30557	Analysis.....	.....	15.10	.....	75.50

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Hope Fertilizer Company, Hope, Arkansas—Continued					
	Stork Brand 16% Acid Phosphate—Guarantee.....	16.00			\$19.20
29896	Analysis.....	17.74			21.29
30023	Analysis.....	17.38			20.98
30475	Analysis.....	17.99			21.59
30567	Analysis.....	16.98			20.38
30578	Analysis.....	17.72			21.26
Houston Packing Company, Houston, Texas					
	Blood and Bone—Guarantee.....	*14.50	5.60		39.60
30228	Analysis.....	*15.53	6.33		44.07
Jefferson Oil Company, Jefferson, Texas					
	Jefferson Acid Phosphate—Guarantee.....	16.00			19.20
30252	Analysis.....	17.64			21.17
30500	Analysis.....	18.20			21.84
Kelly Weber and Company, Ltd., Lake Charles, Louisiana					
	16% Acid Phosphate—Guarantee.....	16.00			19.20
30342	Analysis.....	16.62			19.94
Longview Cotton Oil Company, Longview, Texas					
	Longview Acid Phosphate—Guarantee.....	16.00			19.20
30293	Analysis.....	18.47			22.16
30380	Analysis.....	16.16			19.39
	Longview Corn and Potato Special—Guarantee.....	8.00	3.00	3.00	28.20
29899	Analysis.....	9.65	2.46	3.21	27.73
30168	Analysis.....	11.26	2.22	2.00	27.11
30205	Analysis.....	9.99	2.32	3.23	27.47
30291	Analysis.....	9.04	2.49	3.36	27.33
30397	Analysis.....	10.06	2.34	2.68	25.19
	Longview 18% Acid Phosphate—Guarantee.....	18.00			21.60
30165	Analysis.....	19.28			23.14
30379	Analysis.....	17.91			21.49
	Longview Extra Special Cotton and Corn—Guarantee.....	10.00	4.00	2.00	34.40
30292	Analysis.....	10.87	2.91	2.50	30.59

*Total Phosphoric Acid.

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Longview Cotton Oil Company, Longview, Texas.—Continued					
30378	Longview Extra Special Corn and Potato—Guarantee.....	10.00	3.00	3.00	\$30.60
	Analysis.....	11.32	2.13	2.33	27.03
	Longview Supreme Cotton Grower—Guarantee.....	11.00	2.00	2.00	25.60
29900	Analysis.....	12.16	1.99	2.19	27.17
30166	Analysis.....	12.14	1.88	1.89	26.24
30196	Analysis.....	11.75	1.60	2.11	24.63
30197	Analysis.....	11.43	1.85	2.29	25.72
30206	Analysis.....	11.71	1.72	2.39	25.52
30233	Analysis.....	12.16	1.82	2.63	26.85
30377	Analysis.....	12.47	1.82	1.32	25.64
30387	Analysis.....	12.77	1.56	1.98	25.50
30391	Analysis.....	12.56	1.69	1.60	25.44
30396	Analysis.....	11.71	1.73	1.90	24.98
30509	Analysis.....	12.40	1.70	1.60	25.30
Marshall Cotton Oil Company, Marshall, Texas					
	Harrison County Special—Guarantee.....	12.00	1.65	1.00	23.85
30253	Analysis.....	13.51	1.94	1.49	27.70
30439	Analysis.....	13.56	2.04	1.52	28.30
30445	Analysis.....	12.80	1.82	1.54	26.31
	Marshall Acid Phosphate—Guarantee.....	16.00			19.20
30504	Analysis.....	18.91			22.69
	Marshall Corn and Potato Special—Guarantee.....	8.00	3.00	3.00	28.20
30010	Analysis.....	8.32	3.03	3.36	29.16
30254	Analysis.....	8.40	2.64	3.30	27.24
30427	Analysis.....	8.64	3.21	2.95	29.96
30443	Analysis.....	8.80	3.10	3.73	30.54
	Marshall Cotton Grower Special—Guarantee.....	11.00	2.00	2.00	25.60
30011	Analysis.....	10.76	2.12	2.87	26.95
30244	Analysis.....	11.74	1.95	2.21	26.49
30426	Analysis.....	12.02	2.14	2.00	27.52
30442	Analysis.....	11.75	2.06	2.06	26.87
30499	Analysis.....	11.88	2.02	1.81	26.53
30505	Analysis.....	11.64	1.88	2.09	25.88
	Marshall Fertilizer—Guarantee.....	12.00	3.00	3.00	33.00
30506	Analysis.....	12.03	2.50	2.47	29.90
	Marshall Peerless Mixture—Guarantee.....	8.00	4.00	2.00	32.00
30290	Analysis.....	8.73	3.80	2.30	32.35
	Nitrate of Soda—Guarantee.....		15.00		75.00
30038	Analysis.....		15.52		77.60

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Marshall Cotton Oil Company, Marshall, Texas.—Continued					
30255	Quick Producer Fertilizer—Guarantee.....	10.00	4.00	2.00	\$34.40
	Analysis.....	10.70	3.69	2.14	33.86
30444	Analysis.....	10.75	3.85	2.60	35.27
Meridian Fertilizer Factory, Shreveport, Louisiana					
	Kainit—Guarantee.....			12.00	14.40
29698	Analysis.....			14.43	17.32
30214	Analysis.....			14.04	16.85
	Meridian Blood and Bone—Guarantee.....	10.00	1.65	1.00	21.45
29733	Analysis.....	11.35	1.43	1.09	22.08
29797	Analysis.....	12.51	1.96	1.67	26.81
30055	Analysis.....	12.07	1.78	2.07	25.86
30057	Analysis.....	11.22	1.57	1.54	23.16
30169	Analysis.....	11.23	1.68	2.13	24.44
	Meridian Caddo Cotton—Guarantee.....	9.00	2.00	1.00	22.00
29911	Analysis.....	12.03	2.53	1.96	29.44
30246	Analysis.....	12.47	2.52	1.82	29.74
30468	Analysis.....	11.50	2.72	1.71	29.45
	Meridian Caddo Queen—Guarantee.....	10.00	1.65	2.00	22.65
30035	Analysis.....	12.16	1.48	1.42	23.69
	Meridian Corn Club Special—Guarantee.....	7.50	2.50	1.00	22.70
29796	Analysis.....	9.30	1.81	1.41	21.90
29912	Analysis.....	10.93	2.76	1.87	29.16
29948	Analysis.....	13.17	1.59	1.46	25.50
30056	Analysis.....	10.53	2.36	1.73	26.52
30274	Analysis.....	8.94	2.38	1.92	24.93
	Meridian Cotton and Corn Special—Guarantee.....	10.00	4.00	2.00	34.40
29711	Analysis.....	11.81	1.80	1.62	25.11
29955	Analysis.....	12.68	2.30	3.24	30.61
29975	Analysis.....	9.75	2.21	2.85	26.17
30538	Analysis.....	11.99	3.21	2.73	33.72
30541	Analysis.....	12.61	3.38	2.08	34.53
30582	Analysis.....	12.14	3.36	3.50	35.57
	Meridian Golden West—Guarantee.....	10.00	2.00	2.00	24.40
29712	Analysis.....	11.57	1.69	1.62	24.27
29807	Analysis.....	11.39	2.26	2.10	27.19
29863	Analysis.....	9.95	2.67	2.97	28.85
29977	Analysis.....	10.60	2.09	2.00	25.57
29988	Analysis.....	10.69	2.69	2.75	29.58
30018	Analysis.....	10.81	1.89	1.99	24.81

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Meridian Fertilizer Factory, Shreveport, Louisiana.—Continued					
30095	Analysis.....	11.49	2.16	1.62	\$26.53
30192	Analysis.....	13.20	1.54	1.87	25.89
30318	Analysis.....	11.42	2.02	2.55	26.86
30421	Analysis.....	10.03	2.37	2.59	27.00
30428	Analysis.....	11.34	3.05	1.35	30.48
	Meridian Great Western—Guarantee.....	12.00	3.00	3.00	33.00
29927	Analysis.....	12.39	2.86	4.29	34.32
30304	Analysis.....	12.87	3.00	3.51	34.65
30309	Analysis.....	13.02	3.04	4.00	35.62
30429	Analysis.....	10.84	3.45	2.93	33.78
	Meridian Home Mixture—Guarantee.....	10.00	1.65	1.00	21.45
29697	Analysis.....	12.30	1.96	1.52	26.38
29806	Analysis.....	10.50	3.43	2.02	32.17
29862	Analysis.....	12.36	1.68	1.66	25.22
29895	Analysis.....	11.86	1.51	1.68	23.80
29947	Analysis.....	11.25	1.69	1.76	24.06
30002	Analysis.....	12.33	1.90	1.62	26.24
30059	Analysis.....	11.94	1.66	1.03	23.87
30067	Analysis.....	11.65	2.12	1.48	26.36
30081	Analysis.....	10.86	1.94	1.57	24.61
30110	Analysis.....	11.65	1.57	1.43	23.55
30117	Analysis.....	10.11	2.53	1.52	26.60
30138	Analysis.....	12.43	1.69	1.20	24.81
30157	Analysis.....	12.54	1.54	1.49	24.54
30212	Analysis.....	9.76	1.70	1.56	22.08
30299	Analysis.....	12.94	1.64	.87	24.77
30307	Analysis.....	12.79	1.62	1.42	25.15
30385	Analysis.....	10.46	2.24	1.67	26.75
30395	Analysis.....	9.95	2.23	1.68	25.11
30520	Analysis.....	11.41	1.76	1.24	24.48
30555	Analysis.....	11.39	1.70	1.75	24.27
30573	Analysis.....	11.35	2.43	1.55	27.63
	Meridian Improved Meal Compound—Guarantee.....	12.00	4.00	4.00	39.20
29929	Analysis.....	12.71	4.14	4.41	41.24
29976	Analysis.....	13.46	2.85	4.05	35.26
30242	Analysis.....	10.47	2.10	2.49	26.05
30368	Analysis.....	11.14	3.69	1.70	33.86
30430	Analysis.....	11.02	3.76	1.59	33.93
	Meridian Meal Mixture—Guarantee.....	10.00	1.65	1.00	21.45
30058	Analysis.....	11.47	1.71	1.29	23.86
30325	Analysis.....	12.59	1.61	1.37	24.80

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Meridian Fertilizer Factory, Shreveport, Louisiana.—Continued					
	Meridian Nitrated Bone and Potash—Guarantee.....	10.00	1.65	2.00	\$22.65
29916	Analysis.....	9.64	2.24	2.77	26.09
29952	Analysis.....	11.51	1.88	1.62	25.15
30003	Analysis.....	12.79	2.16	2.40	29.03
	Meridian Perfection Acid Phosphate—Guarantee.....	18.00	.....	.....	21.60
29914	Analysis.....	18.52	.....	.....	22.22
29953	Analysis.....	18.40	.....	.....	22.08
30584	Analysis.....	18.24	.....	.....	21.89
30598	Analysis.....	19.50	.....	.....	23.40
	Meridian Perfection Blood Compound—Guarantee.....	10.00	2.50	3.00	28.10
29693	Analysis.....	9.39	2.43	3.00	27.02
29855	Analysis.....	12.75	2.77	3.38	33.21
30118	Analysis.....	12.08	2.15	3.16	29.04
30412	Analysis.....	9.48	1.94	3.48	25.26
30478	Analysis.....	11.87	2.30	2.93	29.26
30488	Analysis.....	12.00	2.41	2.58	29.55
30503	Analysis.....	11.70	1.91	2.94	27.12
30514	Analysis.....	8.63	2.25	1.74	23.70
	Meridian Perfection Cotton and Corn—Guarantee.....	10.00	4.00	.....	32.00
30050	Analysis.....	10.26	3.67	1.32	32.24
	Meridian Perfection Cotton Formula—Guarantee.....	12.00	3.00	.....	29.40
30046	Analysis.....	10.67	3.41	.....	29.85
30262	Analysis.....	13.25	2.64	.....	29.10
	Meridian Perfection Meal Compound—Guarantee.....	10.00	2.50	3.00	28.10
29854	Analysis.....	12.63	1.77	2.97	27.57
30026	Analysis.....	9.35	2.35	3.51	27.18
30109	Analysis.....	11.46	2.44	3.30	29.91
30167	Analysis.....	11.47	2.45	3.10	29.73
30386	Analysis.....	9.97	2.44	3.75	28.66
	Meridian Prolific Wonder—Guarantee.....	12.00	2.00	2.00	26.80
30542	Analysis.....	12.69	1.85	2.45	27.42
	Meridian Southern Compound—Guarantee.....	10.00	3.00	3.00	30.60
29874	Analysis.....	10.37	2.76	3.12	29.98
30048	Analysis.....	9.73	3.16	4.29	32.63
30243	Analysis.....	10.26	2.79	3.42	30.36
30572	Analysis.....	11.19	3.13	2.70	32.32
30574	Analysis.....	9.92	4.34	2.29	36.35
30583	Analysis.....	11.60	3.06	3.42	33.32
30588	Analysis.....	12.42	2.96	2.41	32.59
30591	Analysis.....	11.32	2.59	4.01	31.34

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Meridian Fertilizer Factory, Shreveport, Louisiana.—Continued					
	Meridian Southern Standard—Guarantee.....	10.00	3.00	2.00	\$29.40
29913	Analysis.....	11.36	3.18	2.52	32.55
29980	Analysis.....	11.31	3.16	2.68	32.59
30032	Analysis.....	12.51	2.49	2.00	29.86
30047	Analysis.....	10.13	3.09	3.51	31.82
30310	Analysis.....	11.19	2.85	2.83	31.08
30543	Analysis.....	11.83	3.00	2.64	32.37
30577	Analysis.....	10.77	1.98	2.33	25.62
30589	Analysis.....	11.28	2.42	2.56	28.71
	Meridian Special Truck Formula—Guarantee.....	8.00	4.00	4.00	34.40
30308	Analysis.....	11.49	3.03	4.20	33.98
	Meridian Special Compound—Guarantee.....	12.00	4.00	.....	34.40
30530	Analysis.....	13.12	3.81	.....	34.79
	Meridian 10-4-4—Guarantee.....	10.00	4.00	4.00	36.80
30580	Analysis.....	11.87	2.93	4.21	33.94
30594	Analysis.....	12.97	3.20	2.45	34.50
	Meridian Tomato Special—Guarantee.....	10.00	2.50	1.00	25.70
29692	Analysis.....	11.04	3.45	3.58	34.80
29731	Analysis.....	11.19	2.24	1.54	26.48
29841	Analysis.....	11.01	1.72	2.24	24.50
30116	Analysis.....	9.87	2.50	2.07	26.82
30413	Analysis.....	11.05	2.98	1.74	30.25
	Meridian Truckers Special—Guarantee.....	8.00	4.00	6.00	36.80
29709	Analysis.....	9.94	4.01	3.81	36.55
29980	Analysis.....	9.43	4.63	4.41	39.76
29992	Analysis.....	8.64	2.52	3.16	26.76
29993	Analysis.....	9.07	3.65	6.47	36.89
30547	Analysis.....	7.38	3.85	6.77	36.23
	Meridian Truck Grower—Guarantee.....	8.00	3.00	3.00	28.20
29694	Analysis.....	9.71	3.00	3.16	30.44
29710	Analysis.....	10.29	2.14	2.95	26.59
29978	Analysis.....	10.48	3.40	4.94	35.51
29994	Analysis.....	8.74	2.78	3.83	28.99
30027	Analysis.....	9.42	2.69	4.50	30.15
	Meridian Union Special Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
29696	Analysis.....	16.53	.....	.....	19.84
29784	Analysis.....	18.01	.....	.....	21.61
29793	Analysis.....	17.24	.....	.....	20.69
29864	Analysis.....	18.26	.....	.....	21.91
29915	Analysis.....	18.51	.....	.....	22.21
29946	Analysis.....	17.58	.....	.....	21.10

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Meridian Fertilizer Factory, Shreveport, Louisiana.—Continued					
29954	Analysis.....	18.29			\$21.95
29979	Analysis.....	19.01			22.81
30045	Analysis.....	17.49			20.99
30180	Analysis.....	18.31			21.97
30298	Analysis.....	18.39			22.07
30324	Analysis.....	17.12			20.54
30512	Analysis.....	17.84			21.41
30571	Analysis.....	16.29			19.55
30575	Analysis.....	16.78			20.14
30585	Analysis.....	17.92			21.50
30587	Analysis.....	18.14			21.78
	Meridian Vegetable Grower—Guarantee.....	8.00	2.50	5.00	28.10
29732	Analysis.....	12.15	1.25	4.02	25.65
29949	Analysis.....	12.01	1.85	3.16	27.45
	Nitrate of Soda—Guarantee.....		15.00		75.00
29783	Analysis.....		15.52		77.60
29933	Analysis.....		15.16		75.80
30213	Analysis.....		15.40		77.00
30371	Analysis.....		15.68		78.40
30487	Analysis.....		15.48		77.40
30513	Analysis.....		15.57		77.85
	Sulphate of Ammonia—Guarantee.....		20.00		100.00
29703	Analysis.....		20.47		102.35
	Tankage Compound—Guarantee.....	8.50	2.50		22.70
29695	Analysis.....	11.26	3.70		32.01
29842	Analysis.....	9.81	2.44		23.97
Nitrate Agencies Company, New Orleans, Louisiana					
	N A C O Nitrate of Soda—Guarantee.....		15.00		75.00
29990	Analysis.....		15.42		77.10
30188	Analysis.....		15.11		75.55
Non-Acid Fertilizer and Chemical Company, Lakeland, Florida					
	Non-Acid Phosphate and Potash No. 124—Guarantee.....	12.00		4.00	19.20
30349	Analysis.....	17.72		4.50	26.66
Oil Mill and Fertilizer Works, Henderson, Texas					
	Henderson's Best Cane—Guarantee.....	8.00	7.00		44.60
30404	Analysis.....	8.63	6.64		43.56

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Oil Mill and Fertilizer Works, Henderson, Texas.—Continued					
	Henderson Best Phosphate—Guarantee.....	18.00			\$21.60
30191	Analysis.....	18.75			22.50
	Henderson Better Grade—Guarantee.....	10.00	1.65	2.00	22.65
29859	Analysis.....	10.09	1.70	2.28	23.35
30402	Analysis.....	10.08	1.80	1.91	23.39
	Henderson Favorite—Guarantee.....	10.00	2.50	3.00	28.10
29858	Analysis.....	10.12	2.66	3.84	30.05
30190	Analysis.....	9.68	2.85	3.53	30.11
	Henderson Kainit—Guarantee.....			12.00	14.40
29871	Analysis.....			12.42	14.90
	Henderson Nitrate of Soda—Guarantee.....		14.81		74.05
29861	Analysis.....		15.52		77.60
	Henderson Red Land—Guarantee.....	10.00	4.00		32.00
30403	Analysis.....	10.10	3.83		31.27
	Henderson Sandy Land—Guarantee.....	12.00	4.00	4.00	39.20
29873	Analysis.....	12.48	4.16	5.13	41.94
30406	Analysis.....	12.41	4.56	4.22	42.75
	Henderson Special — Guarantee.....	10.00	3.00	3.00	30.60
29872	Analysis.....	10.49	3.00	3.42	31.69
30217	Analysis.....	10.52	2.86	3.50	31.12
30405	Analysis.....	10.51	2.82	3.03	30.35
	Henderson Standard — Guarantee.....	10.00	1.65	1.00	21.45
29857	Analysis.....	9.87	1.53	1.44	21.22
30401	Analysis.....	10.09	1.68	2.09	23.02
	Henderson Truck — Guarantee.....	8.00	4.00	4.00	34.40
29860	Analysis.....	8.54	3.55	4.45	33.34
Palestine Oil and Manufacturing Company, Palestine, Texas					
	Acid Phosphate—Guarantee.....	18.00			21.60
30230	Analysis.....	19.18			23.02
	Cottonseed Meal Fertilizer—Guarantee.....	1.00	6.88	1.00	36.80
29847	Analysis.....	2.42	7.16	1.70	40.74
29997	Analysis.....	1.26	6.96	2.00	38.71
30000	Analysis.....	2.16	7.02	2.09	40.20
30121	Analysis.....	2.06	6.82	1.52	38.39
	Farm Labor Union Tomato Special—Guarantee.....	10.00	2.50	1.00	25.70
29728	Analysis.....	10.86	2.72	1.81	28.80
	Nitrate of Soda—Guarantee.....		15.00		75.00
30415	Analysis.....		15.08		75.40

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Palestine Oil and Manufacturing Company, Palestine, Texas.—Continued					
29821	Palestine Cotton Producer—Guarantee.....	10.00	1.65	1.00	\$21.45
29865	Analysis.....	10.92	1.60	1.42	22.81
29730	Palestine Cotton Queen—Guarantee.....	11.51	1.74	1.54	24.36
30091	Analysis.....	10.00	2.50	3.00	28.10
30231	Analysis.....	11.37	2.65	3.41	30.98
29848	Palestine Cotton Wonder—Guarantee.....	10.40	2.23	3.00	27.23
30319	Analysis.....	11.14	2.48	2.95	29.31
29845	Analysis.....	10.00	1.65	2.00	22.65
30120	Palestine Deep Sandy Land Fertilizer—Guarantee.....	12.52	1.96	2.43	27.74
30517	Analysis.....	11.12	2.01	2.44	26.32
30092	Palestine Irish Potato Special—Guarantee.....	12.00	4.00	4.00	39.20
29832	Analysis.....	12.30	4.43	3.93	41.63
30094	Palestine Sandy Land Fertilizer—Guarantee.....	11.57	3.84	4.16	38.07
30111	Analysis.....	11.90	3.86	3.07	37.26
30420	Palestine 12% Kainit—Guarantee.....	10.00	3.00	5.00	33.00
30419	Analysis.....	11.83	2.75	4.77	33.67
29819	Phillip's Special Fertilizer—Guarantee.....	10.00	3.00	3.00	30.60
29833	Analysis.....	11.70	3.21	2.96	33.64
30326	Analysis.....	8.96	3.40	3.73	32.23
30418	Analysis.....	10.03	2.96	7.65	36.03
29820	16% Acid Phosphate—Guarantee.....	9.59	3.08	3.24	30.80
29846	Analysis.....	.....	.....	12.00	14.40
29875	Analysis.....	.....	.....	12.04	14.45
30001	Analysis.....	10.00	2.00	2.00	24.40
30093	Analysis.....	11.79	2.14	2.44	27.78
30119	Analysis.....	11.22	2.42	2.42	28.46
30320	Analysis.....	11.46	1.99	1.72	25.76
29760	Acid Phosphate—Guarantee.....	9.86	2.39	2.00	26.18
	Analysis.....	16.00	.....	.....	19.20
	Analysis.....	17.42	.....	.....	21.08
	Analysis.....	17.57	.....	.....	21.56
	Analysis.....	18.85	.....	.....	22.62
	Analysis.....	16.88	.....	.....	20.26
	Analysis.....	16.92	.....	.....	20.30
	Analysis.....	16.01	.....	.....	19.21
	Analysis.....	17.97	.....	.....	21.56
Pate Brothers, Sulphur Springs, Texas					
	Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
	Analysis.....	17.22	.....	.....	20.66

Commercial Fertilizers in 1923-1924

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Pate Brothers, Sulphur Springs, Texas.—Continued					
	Pate's Masters 10-3-2—Guarantee.....	10.00	3.00	2.00	\$29.40
30456	Analysis.....	11.57	3.30	3.03	34.02
	Pate's 8-2-2—Guarantee.....	8.00	2.00	2.00	22.00
29761	Analysis.....	9.11	2.17	5.07	27.86
30453	Analysis.....	9.83	2.32	3.48	27.58
	Pate's 8-3-0—Guarantee.....	8.00	3.00	.....	24.60
30455	Analysis.....	9.57	3.46	.....	28.78
	Pate's 10-1.65-1—Guarantee.....	10.00	1.65	1.00	21.45
30061	Analysis.....	12.44	1.97	1.86	27.13
	Pate's 10-1.65-2—Guarantee.....	10.00	1.65	2.00	22.65
30065	Analysis.....	11.61	2.04	2.62	27.27
30451	Analysis.....	13.53	2.05	2.79	29.84
	Pate's 10-2-2—Guarantee.....	10.00	2.00	2.00	24.40
30066	Analysis.....	11.51	2.22	3.36	28.94
30449	Analysis.....	12.99	2.26	2.68	30.11
	Pate's 11-1.65-0—Guarantee.....	11.00	1.65	.....	21.45
30060	Analysis.....	13.66	2.00	.....	26.39
	Pate's 11-2-0—Guarantee.....	11.00	2.00	.....	23.20
29762	Analysis.....	13.33	2.12	.....	26.60
30062	Analysis.....	12.69	2.13	.....	25.88
30452	Analysis.....	12.21	2.30	.....	26.15
	Pate's 12-2-2—Guarantee.....	12.00	2.00	2.00	26.80
	Analysis.....	14.18	2.48	2.57	32.50
30450	Pate's 12-3-3—Guarantee.....	12.00	3.00	3.00	33.00
30454	Analysis.....	13.08	3.34	2.79	35.75
Pelican Fertilizer Works—Shreveport, Louisiana					
30130	Nitrate of Soda—Guarantee.....	.....	15.00	.....	75.00
	Analysis.....	.....	15.28	.....	76.40
29738	Pelican Blood and Bone—Guarantee.....	10.00	1.65	1.00	21.45
30129	Analysis.....	12.68	2.22	2.10	28.84
	Analysis.....	12.12	1.56	1.67	24.34
29810	Pelican Cotton Special—Guarantee.....	10.00	1.65	2.00	22.65
	Analysis.....	12.81	2.11	2.94	29.45
30132	Pelican Favorite Cotton Grower—Guarantee.....	12.00	3.00	3.00	33.00
	Analysis.....	12.63	2.77	3.68	33.43
29812	Pelican Farm Special—Guarantee.....	9.00	2.00	1.00	22.00
	Analysis.....	10.80	2.82	2.09	29.57

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Pelican Fertilizer Works, Sereveport, Louisiana.—Continued					
29676	Pelican High Grade—Guarantee.....	10.00	3.00	3.00	\$30.60
	Analysis.....	12.14	3.09	3.12	33.76
29811	Pelican Meal Compound—Guarantee.....	10.00	1.65	1.00	21.45
30133	Analysis.....	10.32	1.66	1.29	22.23
	Analysis.....	11.88	1.74	1.66	24.95
30128	Pelican Perfection Compound—Guarantee.....	10.00	2.50	3.00	28.10
	Analysis.....	10.06	2.35	3.98	28.60
	Pelican Perfection Formula—Guarantee.....	12.00	4.00	4.00	39.20
30381	Analysis.....	12.24	2.72	2.67	31.49
29813	Pelican Southern Standard—Guarantee.....	10.00	3.00	2.00	29.40
	Analysis.....	10.79	3.30	1.97	31.81
30131	Pelican Special Phosphate—Guarantee.....	16.00			19.20
	Analysis.....	16.08			19.30
29737	Pelican Tomato Special—Guarantee.....	10.00	2.50	1.00	25.70
	Analysis.....	11.53	3.13	1.70	31.53
Pick Fertilizer Service Company, New Orleans, Louisiana					
30375	Bull Dog Blood and Bone—Guarantee.....	10.00	1.65	1.00	21.45
	Analysis.....	9.24	2.12	1.06	22.96
30374	Economizer—Guarantee.....	10.00	1.65	2.00	22.65
	Analysis.....	10.77	1.57	2.07	23.25
30376	Nonpareil—Guarantee.....	10.00	2.47	3.00	27.95
	Analysis.....	9.77	2.45	2.90	27.45
Pittsburg Cotton Oil Company, Pittsburg, Texas					
30554	18% Acid Phosphate—Guarantee.....	18.00			21.60
	Analysis.....	19.51			23.41
30270	Half Meal and Half Phosphate Fertilizer—Guarantee.....	9.00	3.00		25.80
	Analysis.....	10.59	3.50		30.21
30463	Meal and Phosphate Fertilizer No. 510—Guarantee.....	5.00	10.00		56.00
	Analysis.....	5.21	9.63		54.40
30266	Meal and Phosphate Fertilizer No. 844—Guarantee.....	8.00	4.00	4.00	34.40
	Analysis.....	8.84	3.77	4.14	34.43
30267	Meal and Phosphate Fertilizer No. 1033—Guarantee.....	10.00	3.00	3.00	30.60
	Analysis.....	10.12	3.09	3.55	31.85
30447	Analysis.....	9.98	3.01	3.66	31.42
30271	Meal and Phosphate Fertilizer No. 1222—Guarantee.....	12.00	2.00	2.00	26.80
	Analysis.....	12.09	2.26	2.48	28.70

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Pittsburg Cotton Oil Company, Pittsburg, Texas.—Continued					
	Meal and Phosphate Fertilizer No. 1233—Guarantee.....	12.00	3.00	3.00	\$33.00
30268	Analysis.....	12.28	2.72	2.92	31.84
	Meal and Phosphate Fertilizer No. 1242—Guarantee.....	12.00	4.00	2.00	36.80
30448	Analysis.....	11.11	3.42	7.68	39.65
	Meal and Phosphate Fertilizer No. 1244—Guarantee.....	12.00	4.00	4.00	39.20
30272	Analysis.....	12.07	4.69	4.02	42.75
30446	Analysis.....	12.79	3.91	4.63	40.46
	Meal and Phosphate Fertilizer No. 101652—Guarantee.....	10.00	1.65	2.00	22.65
30269	Analysis.....	11.06	1.97	2.23	25.80
30462	Analysis.....	11.91	1.94	2.29	26.74
	One Meal and Two Phosphate Fertilizer—Guarantee.....	11.00	2.00		23.20
30265	Analysis.....	11.99	2.40		26.39
	Prime Cottonseed Meal Fertilizer—Guarantee.....	2.00	6.88	1.00	38.00
30348	Analysis.....	2.57	6.88	1.20	38.92
	16% Acid Phosphate—Guarantee.....	16.00			19.20
30273	Analysis.....	17.49			20.99
30347	Analysis.....	18.19			21.83
Planters Fertilizer and Chemical Company Houston, Fort Worth, Texas, New Orleans, Louisiana					
	Nitrate of Soda—Guarantee.....		14.81		74.05
29999	Analysis.....		15.80		79.00
30546	Analysis.....		15.26		76.30
	Planter's Plow Brand 18% Acid Phosphate—Guarantee.....	18.00			21.60
30210	Analysis.....	18.60			22.32
30408	Analysis.....	18.56			22.27
	Planter's Plow Brand Farmer's Mixture—Guarantee.....	10.00	1.65	1.00	21.45
30208	Analysis.....	9.35	1.73	1.07	21.15
	Planter's Plow Brand Fertilizer No. 12334—Guarantee.....	12.00	3.30	4.00	35.70
29715	Analysis.....	11.60	3.29	4.14	35.34
29727	Analysis.....	12.61	3.30	4.43	36.95
29856	Analysis.....	11.38	3.42	4.86	36.59
29870	Analysis.....	11.33	3.19	4.72	35.21
29880	Analysis.....	11.92	3.23	4.60	35.97
29958	Analysis.....	11.60	3.07	4.61	34.80
29995	Analysis.....	11.16	3.28	4.80	35.55
29998	Analysis.....	11.30	3.14	4.23	34.34
	Planter's Plow Brand Fertilizer No. 74116—Guarantee.....	7.00	4.11	6.00	36.15
30339	Analysis.....	6.82	4.12	6.04	36.03

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Planters Fertilizer and Chemical Company Houston, Fort Worth, Texas, New Orleans, Louisiana.—Continued					
	Planter's Plow Brand Fertilizer No. 102473—Guarantee.....	10.00	2.47	3.00	\$27.95
29868	Analysis.....	9.26	2.47	3.32	27.44
29959	Analysis.....	9.72	2.70	3.08	28.86
30086	Analysis.....	9.28	2.50	2.74	26.93
30164	Analysis.....	9.70	2.36	3.26	27.35
30209	Analysis.....	9.81	2.48	3.40	28.25
30384	Analysis.....	9.44	2.66	3.05	28.29
	Planter's Plow Brand Imperial Cotton Mixture—Guarantee.....	8.00	1.65	2.00	20.25
29966	Analysis.....	8.68	1.92	2.30	22.78
30098	Analysis.....	8.90	1.59	2.59	21.74
30422	Analysis.....	6.99	1.80	1.87	19.63
	Planter's Plow Brand 16% Acid Phosphate—Guarantee.....	16.00			19.20
29713	Analysis.....	15.43			18.52
29714	Analysis.....	15.48			18.58
29853	Analysis.....	16.59			19.91
29879	Analysis.....	17.18			20.62
29996	Analysis.....	16.17			19.40
30087	Analysis.....	16.13			19.36
30182	Analysis.....	15.63			18.76
30211	Analysis.....	16.30			19.56
30340	Analysis.....	16.06			19.27
	Planter's Plow Brand Sunny South Special—Guarantee.....	12.00	2.00	2.00	26.80
30099	Analysis.....	12.37	2.06	2.74	28.43
Shreveport Fertilizer Works, Shreveport, Louisiana					
	Lion Acid Phosphate and Limestone—Guarantee.....	16.00			19.20
29923	Analysis.....	17.41			20.89
	Lion Blood and Bone—Guarantee.....	10.00	1.65	1.00	21.45
30049	Analysis.....	11.00	1.77	1.35	23.67
30353	Analysis.....	11.95	1.28	1.07	22.02
30373	Analysis.....	11.50	1.51	1.12	22.69
	Lion Corn Food—Guarantee.....	8.00	2.50	1.00	23.30
29925	Analysis.....	9.95	2.41	1.75	26.09
	Lion Cotton Grower—Guarantee.....	12.00	2.00	2.00	26.80
29926	Analysis.....	12.06	1.93	2.53	27.16
30501	Analysis.....	12.16	1.74	2.59	26.40
	Lion Cottonseed Meal Mixture—Guarantee.....	10.00	1.65	1.00	21.45
29924	Analysis.....	11.69	1.86	1.54	25.18

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Shreveport Fertilizer Works, Shreveport, Louisiana.—Continued					
	Lion Gold Coin Guano—Guarantee.....	10.00	1.65	2.00	\$22.65
29987	Analysis.....	10.62	1.80	2.48	24.72
30194	Analysis.....	9.01	1.50	2.88	21.77
30288	Analysis.....	10.19	2.00	2.79	25.58
	Lion La-Tex Special—Guarantee.....	10.00	3.00	3.00	30.60
30044	Analysis.....	11.09	1.91	3.56	27.13
	Lion Superfine Acid Phosphate—Guarantee.....	18.00			21.60
30052	Analysis.....	18.05			21.66
	Lion Superior Acid Phosphate—Guarantee.....	17.00			20.40
30043	Analysis.....	17.15			20.58
	Lion Superior Cotton—Guarantee.....	12.00	4.00	4.00	39.20
30286	Analysis.....	8.54	4.04	3.61	34.78
	Lion Veribest—Guarantee.....	12.00	3.00	3.00	33.00
29986	Analysis.....	11.02	2.92	2.21	30.47
30193	Analysis.....	12.04	2.62	2.97	31.11
30287	Analysis.....	9.50	2.74	3.26	29.01
	Lion Xtra Good Acid Phosphate—Guarantee.....	16.00			19.20
30051	Analysis.....	16.57			19.88
30354	Analysis.....	17.76			21.31
Swift and Company, Fertilizer Works, Harvey and Shreveport, Louisiana					
	Swift's Ammoniated Raw Bone Superphosphate—Guarantee.....	9.50	1.65	1.50	21.45
30330	Analysis.....	9.20	1.68	1.44	21.17
30357	Analysis.....	9.96	1.75	1.61	22.63
30362	Analysis.....	10.08	1.63	1.56	22.12
	Swift's Eagle—Guarantee.....	10.00	1.65	2.00	22.65
29778	Analysis.....	11.62	1.99	2.07	26.37
29834	Analysis.....	11.10	1.57	1.89	23.44
29837	Analysis.....	10.75	1.62	2.52	24.02
29909	Analysis.....	10.62	1.45	2.00	22.39
29921	Analysis.....	10.68	1.75	1.99	23.86
29984	Analysis.....	11.02	1.66	2.55	24.58
30004	Analysis.....	10.48	1.64	2.42	23.68
30008	Analysis.....	10.30	1.67	1.98	23.09
30020	Analysis.....	9.63	1.70	1.97	22.42
30042	Analysis.....	9.93	1.66	2.11	22.75
30070	Analysis.....	10.88	1.54	1.88	23.02
30079	Analysis.....	10.62	1.63	1.72	22.95
30096	Analysis.....	10.10	1.76	1.99	23.31

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Swift and Company, Harvey and Shreveport, Louisiana.—Continued					
30149	Analysis.....	10.23	1.70	1.68	\$22.80
30207	Analysis.....	10.42	1.90	2.06	24.47
30237	Analysis.....	11.24	1.86	2.04	25.24
30306	Analysis.....	10.43	1.68	2.24	23.61
30316	Analysis.....	10.95	1.61	2.00	23.59
30366	Analysis.....	10.74	2.09	2.00	25.74
30411	Analysis.....	10.80	1.51	1.56	22.33
	Swift's High Grade Acid Phosphate Fertilizer 16%—Guarantee.....	16.00			19.20
29699	Analysis.....	16.94			20.33
29717	Analysis.....	16.78			20.14
29725	Analysis.....	17.11			20.53
29753	Analysis.....	17.16			20.59
29779	Analysis.....	16.75			20.10
29814	Analysis.....	18.74			22.49
29829	Analysis.....	17.56			21.07
29836	Analysis.....	18.02			21.62
29851	Analysis.....	16.63			19.96
29878	Analysis.....	17.61			21.13
29888	Analysis.....	18.28			21.94
29908	Analysis.....	17.16			20.59
29922	Analysis.....	17.72			21.26
29971	Analysis.....	17.63			21.16
30006	Analysis.....	16.65			19.98
30021	Analysis.....	17.48			20.98
30039	Analysis.....	17.14			20.57
30080	Analysis.....	17.36			20.83
30082	Analysis.....	16.99			20.39
30148	Analysis.....	17.02			20.42
30151	Analysis.....	16.20			19.44
30156	Analysis.....	16.75			20.10
30159	Analysis.....	17.33			20.80
30238	Analysis.....	17.71			21.25
30315	Analysis.....	17.72			21.26
30317	Analysis.....	18.10			21.72
30322	Analysis.....	16.98			20.37
30327	Analysis.....	16.74			20.09
30335	Analysis.....	17.52			21.02
30345	Analysis.....	16.99			20.39
30361	Analysis.....	16.84			20.21
30370	Analysis.....	16.28			19.54
30388	Analysis.....	16.19			19.42

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Swift and Company, Harvey and Shreveport, Louisiana.—Continued					
	Swift's High Grade Acid Phosphate Fertilizer 16% Continued—Guarantee	16.00			\$19.20
30461	Analysis.....	17.15			20.58
30502	Analysis.....	17.55			21.06
30549	Analysis.....	17.35			20.82
30562	Analysis.....	17.61			21.13
	Swift's Kainit—Guarantee.....			12.40	14.88
29982	Analysis.....			10.57	12.68
30334	Analysis.....			9.49	11.39
	Swift's Lawn and Garden Fertilizer—Guarantee.....	8.00	3.29	4.00	30.85
29758	Analysis.....	9.37	2.87	3.46	29.74
	Swift's Muriate of Potash—Guarantee.....			50.00	60.00
30336	Analysis.....			53.64	64.37
30550	Analysis.....			51.69	62.03
	Swift's Nitrate of Soda—Guarantee.....		14.81		74.05
29719	Analysis.....		14.69		73.45
29757	Analysis.....		15.28		76.40
30127	Analysis.....		14.59		72.95
30150	Analysis.....		15.29		76.45
30337	Analysis.....		15.28		76.40
30407	Analysis.....		15.04		75.20
30425	Analysis.....		15.04		75.20
30441	Analysis.....		14.96		74.80
	Swift's Onion Grower—Guarantee.....	7.00	3.70	3.00	30.50
30223	Analysis.....	7.21	3.51	2.70	29.44
	Swift's Palmetto—Guarantee.....	8.00	2.47	3.00	25.55
29723	Analysis.....	8.24	3.14	2.56	29.26
29830	Analysis.....	8.63	2.76	3.03	27.80
29843	Analysis.....	9.11	2.78	3.19	28.66
29902	Analysis.....	8.60	2.52	2.98	26.50
30114	Analysis.....	8.24	2.32	2.65	24.67
30355	Analysis.....	9.12	2.60	2.79	27.49
30364	Analysis.....	6.80	2.59	2.86	24.54
	Swift's Red Steer—Guarantee.....	10.00	2.47	3.00	27.95
29673	Analysis.....	10.60	2.46	3.15	28.80
29718	Analysis.....	12.27	2.88	2.46	32.07
29722	Analysis.....	10.38	2.54	3.14	28.93
29755	Analysis.....	10.82	2.45	3.16	29.02
29776	Analysis.....	10.84	2.52	2.98	29.19
29792	Analysis.....	10.75	2.05	2.66	26.34
29831	Analysis.....	10.18	2.58	3.19	28.95
29876	Analysis.....	11.83	2.25	2.49	28.44

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Swift and Company, Harvey and Shreveport, Louisiana.—Continued					
29893	Analysis.....	10.64	2.41	3.06	\$28.48
29903	Analysis.....	10.31	2.52	2.95	28.51
29956	Analysis.....	10.64	2.48	3.27	29.09
30009	Analysis.....	10.28	2.63	3.36	29.52
30036	Analysis.....	10.37	2.39	2.84	27.80
30041	Analysis.....	9.71	2.69	3.12	28.84
30102	Analysis.....	10.51	2.62	2.83	29.11
30154	Analysis.....	10.12	2.48	3.10	28.26
30185	Analysis.....	9.98	2.29	3.75	27.93
30235	Analysis.....	11.45	2.53	3.49	30.58
30236	Analysis.....	11.12	2.50	2.90	29.32
30294	Analysis.....	11.73	2.47	2.47	29.39
30329	Analysis.....	9.92	2.63	2.83	28.45
30369	Analysis.....	10.56	2.34	2.62	27.51
30389	Analysis.....	11.23	2.54	2.69	29.41
30398	Analysis.....	9.93	2.64	2.63	28.28
30458	Analysis.....	11.15	2.12	2.89	27.45
30482	Analysis.....	11.35	2.94	2.26	31.03
30510	Analysis.....	12.33	1.99	2.34	27.56
30518	Analysis.....	10.29	2.44	2.95	28.09
	Swift's Red Steer 18% Acid Phosphate—Guarantee.....	18.00			21.60
29877	Analysis.....	18.99			22.69
29889	Analysis.....	19.23			23.08
29904	Analysis.....	18.63			22.35
30007	Analysis.....	18.82			22.58
30115	Analysis.....	18.28			21.94
30215	Analysis.....	19.14			22.97
30344	Analysis.....	19.66			23.59
30358	Analysis.....	19.87			23.84
30438	Analysis.....	20.17			24.20
	Swift's Red Steer for Strawberries—Guarantee.....	10.00	2.47	5.00	30.35
29892	Analysis.....	11.34	2.30	4.30	30.27
30113	Analysis.....	10.64	2.98	4.91	33.56
	Swift's Red Steer for Tomatoes 10-2.47-0—Guarantee.....	10.00	2.47		24.35
29702	Analysis.....	11.17	2.43		25.55
29844	Analysis.....	10.43	2.92		27.12
29849	Analysis.....	10.15	2.60		25.18
29890	Analysis.....	10.32	2.33		24.03
29972	Analysis.....	10.52	2.31		24.17
30112	Analysis.....	10.62	2.89		27.19
30363	Analysis.....	9.65	2.76		25.38

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Swift and Company, Harvey and Shreveport, Louisiana.—Continued					
30410	Analysis.....	10.03	1.87		\$21.39
30457	Analysis.....	11.62	1.88		23.34
30511	Analysis.....	12.26	2.13		25.36
	Swift's Red Steer Special—Guarantee.....	12.00	2.00	2.00	26.80
29726	Analysis.....	13.35	2.00	1.65	28.00
29777	Analysis.....	12.27	2.27	1.92	28.37
29798	Analysis.....	11.96	2.18	2.26	27.96
29803	Analysis.....	12.10	2.22	2.25	28.32
29920	Analysis.....	12.01	2.28	2.07	28.29
29940	Analysis.....	12.09	2.26	2.47	28.77
29951	Analysis.....	12.21	2.16	2.23	28.13
29957	Analysis.....	12.36	2.14	2.20	28.17
29974	Analysis.....	12.58	2.16	2.41	28.79
29985	Analysis.....	12.08	2.12	2.19	27.73
30100	Analysis.....	12.15	2.04	2.04	27.23
30158	Analysis.....	12.17	2.21	2.18	28.27
30198	Analysis.....	12.10	2.06	1.77	27.05
30305	Analysis.....	12.04	2.17	2.15	27.88
30399	Analysis.....	11.57	1.87	2.21	25.88
30435	Analysis.....	12.60	1.79	2.39	27.05
	Swift's Red Steer Truck Grower—Guarantee.....	8.00	3.29	4.00	30.85
29891	Analysis.....	9.99	2.68	4.17	30.39
29991	Analysis.....	8.14	3.36	3.98	31.35
30183	Analysis.....	8.54	3.14	3.77	30.47
30338	Analysis.....	7.88	3.32	4.06	30.93
	Swift's Red Steer 7-5-5—Guarantee.....	7.00	5.00	5.00	39.40
30434	Analysis.....	10.08	4.25	3.79	37.90
	Swift's Red Steer 8-3.29-6—Guarantee.....	8.00	3.29	6.00	33.25
30218	Analysis.....	7.61	3.24	5.90	32.41
30219	Analysis.....	8.16	3.36	6.08	33.89
20220	Analysis.....	7.90	3.40	6.06	33.75
	Swift's Red Steer 8-4-4—Guarantee.....	8.00	4.00	4.00	34.40
29720	Analysis.....	8.86	4.08	3.47	35.19
29983	Analysis.....	7.97	3.84	4.32	33.94
30490	Analysis.....	9.51	3.82	4.50	35.91
	Swift's 10-1.65-1.00—Guarantee.....	10.00	1.65	1.00	21.45
29700	Analysis.....	11.34	1.94	1.27	24.83
30084	Analysis.....	10.44	1.76	1.22	22.79
30459	Analysis.....	12.39	1.80	1.52	25.69
	Swift's Red Steer 10-2-2—Guarantee.....	10.00	2.00	2.00	24.40
30083	Analysis.....	10.19	2.00	2.38	25.09

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Swift and Company, Harvey and Shreveport, Louisiana.—Continued					
	Swift's Red Steer 10-3-3—Guarantee.....	10.00	3.00	3.00	\$30.60
29866	Analysis.....	10.51	3.18	3.89	33.18
30216	Analysis.....	10.48	3.30	3.04	32.73
30433	Analysis.....	11.53	3.54	2.80	34.90
30560	Analysis.....	9.69	3.03	2.88	30.24
	Swift's Red Steer 10-4-0—Guarantee.....	10.00	4.00	.....	32.00
29835	Analysis.....	11.47	4.14	.....	34.46
	Swift's Red Steer 10-4-2—Guarantee.....	10.00	4.00	2.00	34.40
29721	Analysis.....	11.65	3.79	1.69	34.96
29754	Analysis.....	10.91	3.66	2.34	34.20
29850	Analysis.....	11.55	3.17	1.81	31.88
29981	Analysis.....	9.69	4.07	2.19	34.61
30400	Analysis.....	9.97	3.77	2.53	33.85
	Swift's Red Steer 10-4-4—Guarantee.....	10.00	4.00	4.00	36.80
30561	Analysis.....	10.25	3.74	3.67	35.40
	Swift's 12-1.65-0—Guarantee.....	12.00	1.65	.....	22.65
29674	Analysis.....	13.24	1.80	.....	24.89
30155	Analysis.....	12.23	1.50	.....	22.18
303.6	Analysis.....	12.50	1.85	.....	24.25
	Swift's Red Steer 12-3-0—Guarantee.....	12.00	3.00	.....	29.40
30033	Analysis.....	11.33	2.57	.....	26.45
30071	Analysis.....	12.71	3.08	.....	30.65
30257	Analysis.....	12.83	3.42	.....	32.50
30295	Analysis.....	12.87	2.96	.....	30.24
	Swift's Red Steer 12-3-3—Guarantee.....	12.00	3.00	3.00	33.00
30037	Analysis.....	11.24	3.28	3.83	34.49
30085	Analysis.....	11.98	3.25	3.42	34.73
30184	Analysis.....	10.63	3.11	3.35	32.33
30424	Analysis.....	12.10	3.30	3.05	34.68
	Swift's Red Steer 12-4-4—Guarantee.....	12.00	4.00	4.00	39.20
29724	Analysis.....	12.95	3.76	2.12	36.88
29867	Analysis.....	12.30	3.82	4.29	39.01
29901	Analysis.....	12.31	3.87	4.86	40.00
30097	Analysis.....	11.78	3.93	4.00	38.59
30239	Analysis.....	13.23	3.98	2.94	39.31
30256	Analysis.....	12.70	4.02	3.97	40.10
30346	Analysis.....	12.56	3.74	4.24	38.86
30365	Analysis.....	11.35	3.32	3.47	34.38
30423	Analysis.....	12.30	3.58	3.32	36.64
30440	Analysis.....	12.05	3.82	3.44	37.69
30460	Analysis.....	12.80	1.81	1.63	26.37

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Swift and Company, Harvey and Shreveport, Louisiana.—Continued					
	Swift's Red Steer 14-2-2—Guarantee.....	14.00	2.00	2.00	\$29.20
30258	Analysis.....	13.95	2.18	2.82	31.02
	Swift's Special Mixture—Guarantee.....	10.00	1.65	.....	20.25
29815	Analysis.....	10.66	1.80	.....	21.79
29852	Analysis.....	10.76	1.79	.....	21.86
30126	Analysis.....	10.23	1.68	.....	20.68
30160	Analysis.....	10.25	1.82	.....	21.40
	Swift's Standard Tankage Mixture—Guarantee.....	6.00	3.29	3.00	27.25
30227	Analysis.....	6.12	3.10	3.08	26.54
	Swift's Vegetable Grower—Guarantee.....	8.00	3.29	2.00	28.45
29701	Analysis.....	8.83	3.22	2.09	29.01
29756	Analysis.....	9.29	3.03	2.36	29.13
29973	Analysis.....	9.56	3.17	2.34	30.13
30019	Analysis.....	8.59	3.21	1.98	28.74
Tennessee Coal, Iron and Railroad Company, Birmingham, Alabama					
	Duplex Basic Phosphate—Guarantee.....	*18.00	.....	.....	14.40
30350	Analysis.....	*19.25	.....	.....	15.40
Van Zandt Cotton Oil Company, Wills Point, Texas					
	Semper Fidelis Phospho Meal—Guarantee.....	9.00	3.50	1.00	29.50
29917	Analysis.....	10.51	3.55	1.16	31.75
29932	Analysis.....	11.07	3.18	1.26	30.69
29941	Analysis.....	10.37	3.48	1.05	31.10
29967	Analysis.....	10.54	3.50	1.19	31.58
30303	Analysis.....	11.06	3.00	1.07	29.55
	Semper Fidelis Royal Fertilizer—Guarantee.....	10.00	1.65	.....	20.25
29937	Analysis.....	13.18	2.05	.....	26.06
29970	Analysis.....	13.92	1.99	.....	26.65
	Semper Fidelis 16% Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
29928	Analysis.....	17.63	.....	.....	21.16
29943	Analysis.....	17.00	.....	.....	20.40
29969	Analysis.....	18.89	.....	.....	22.67
30300	Analysis.....	17.64	.....	.....	21.17
	Semper Fidelis Special Fertilizer—Guarantee.....	11.00	1.65	1.00	22.65
29936	Analysis.....	11.59	2.15	1.96	27.01
29968	Analysis.....	12.64	2.21	1.64	28.19
	Semper Fidelis Sure Crop Fertilizer—Guarantee.....	11.00	3.00	2.00	30.60
30302	Analysis.....	11.56	3.02	1.03	30.21

*Total Phosphoric Acid.

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
	Virginia-Carolina Chemical Company, Shreveport, Louisiana				
	B B B Beef, Blood and Bone—Guarantee.....	10.00	1.65	1.00	\$21.45
29704	Analysis.....	11.88	1.80	1.31	24.83
29802	Analysis.....	11.82	1.97	1.33	25.63
29942	Analysis.....	11.93	1.81	1.15	24.75
29945	Analysis.....	10.88	2.14	1.22	25.22
30017	Analysis.....	12.53	2.04	1.34	26.85
30142	Analysis.....	11.44	1.77	1.12	23.92
30301	Analysis.....	11.20	1.62	1.31	23.11
30372	Analysis.....	10.84	1.67	1.55	23.22
30417	Analysis.....	11.12	1.73	1.45	23.73
	Georgia State Grange—Guarantee.....	10.00	1.65	1.00	21.45
29801	Analysis.....	12.49	1.90	1.31	26.06
30025	Analysis.....	11.65	1.80	1.48	24.76
30125	Analysis.....	10.49	1.59	1.19	21.97
30141	Analysis.....	11.48	1.92	1.22	24.84
30390	Analysis.....	12.15	1.70	1.28	24.62
	Kainit—Guarantee.....			12.00	14.40
29934	Analysis.....			14.19	17.03
30146	Analysis.....			12.48	14.98
	Muriate of Potash—Guarantee.....			48.00	57.60
29935	Analysis.....			50.42	60.50
	Nitrate of Soda—Guarantee.....		14.81		74.05
30392	Analysis.....		15.20		76.00
30493	Analysis.....		15.04		75.20
30495	Analysis.....		15.01		75.05
	Royals Cotton Boll Guano—Guarantee.....	8.00	1.65	2.00	20.25
30248	Analysis.....	10.48	2.42	.53	25.32
	Royal Fruit Grower—Guarantee.....	8.00	2.47	5.00	27.95
29735	Analysis.....	9.70	2.17	4.53	27.93
	Scott's Gossypium Phospho—Guarantee.....	10.00	1.65	1.50	22.05
29805	Analysis.....	11.61	1.73	2.52	25.60
30251	Analysis.....	11.14	1.46	1.70	22.71
30367	Analysis.....	11.02	1.42	1.79	22.47
30497	Analysis.....	12.15	2.52	1.58	29.08
	Scott's Gossypium Phospho Special—Guarantee.....	10.00	1.65	2.00	22.65
30005	Analysis.....	12.54	1.66	2.34	26.16
30144	Analysis.....	10.43	2.00	2.14	25.09
30321	Analysis.....	10.96	1.60	2.27	23.87
30432	Analysis.....	10.70	2.16	1.74	25.73
30492	Analysis.....	11.58	2.09	1.81	26.52
	V.-C. C. Co.'s 18% Acid Phosphate—Guarantee.....	18.00			21.60
29944	Analysis.....	18.45			22.14

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Continued

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Virginia-Carolina Chemical Company, Shreveport, Louisiana.—Continued					
	V.-C. C. Co.'s 16% Acid Phosphate—Guarantee.....	16.00			\$19.20
29706	Analysis.....	18.31			21.97
29785	Analysis.....	17.94			21.53
29804	Analysis.....	18.03			21.64
30140	Analysis.....	17.23			20.66
30494	Analysis.....	17.96			21.55
30556	Analysis.....	17.77			21.32
30570	Analysis.....	19.14			22.97
	V.-C. C. Co.'s Truck Grower—Guarantee.....	8.00	2.06	6.00	27.10
30332	Analysis.....	8.86	2.08	4.79	26.78
	V.-C. C. Co.'s 20% Acid Phosphate—Guarantee.....	20.00			24.00
30382	Analysis.....	20.18			24.22
	V.-C. High Grade Champion Compound—Guarantee.....	9.00	3.00	3.00	29.40
29705	Analysis.....	11.83	2.51	2.58	29.85
29736	Analysis.....	11.04	3.00	2.76	31.56
30124	Analysis.....	9.18	2.78	2.98	28.50
30416	Analysis.....	10.09	2.82	2.22	28.87
	V.-C. High Grade Guano—Guarantee.....	10.00	1.65	2.00	22.65
30489	Analysis.....	10.98	1.78	2.14	24.65
	V.-C. High Grade Potash Compound—Guarantee.....	12.00		4.00	19.20
30359	Analysis.....	13.77		3.12	20.26
	V.-C. Soluble Guano—Guarantee.....	12.00	1.65		22.65
30333	Analysis.....	12.94	1.83		24.68
	V.-C. Special 7-5-5 Fertilizer—Guarantee.....	7.00	5.00	5.00	39.40
29788	Analysis.....	8.53	4.63	4.75	39.09
	V.-C. Special 8-2-2 Fertilizer—Guarantee.....	8.00	2.00	2.00	22.00
30201	Analysis.....	9.67	1.83	1.75	22.85
30312	Analysis.....	10.23	1.91	1.99	24.22
30393	Analysis.....	7.98	2.86	1.75	25.98
30508	Analysis.....	11.50	1.64	2.27	24.72
	V.-C. Special 8-4-4 Fertilizer—Guarantee.....	8.00	4.00	4.00	34.40
30498	Analysis.....	9.83	2.84	3.64	30.37
	V.-C. Special 10-2-2 Fertilizer—Guarantee.....	10.00	2.00	2.00	24.40
29786	Analysis.....	10.27	2.18	2.36	26.05
29825	Analysis.....	11.41	2.12	1.86	26.52
29931	Analysis.....	10.93	2.57	2.48	28.95
30016	Analysis.....	10.81	2.16	2.00	26.17
30108	Analysis.....	12.59	1.80	1.96	26.46
30147	Analysis.....	10.99	1.97	2.06	25.51
30195	Analysis.....	10.34	2.10	2.37	25.75
30480	Analysis.....	10.43	2.25	1.94	26.10

TABLE 4.—ANALYSIS OF COMMERCIAL FERTILIZERS, SEASON 1923-1924—Concluded

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen Per Cent	Potash Per Cent	Valuation Per Ton
Virgina-Carolina Chemical Company, Shreveport, Louisiana.—Continued					
30486	Analysis.....	10.75	2.59	2.18	\$28.47
30491	Analysis.....	11.20	2.05	2.02	26.11
30548	Analysis.....	10.70	2.00	2.09	25.35
30568	Analysis.....	11.20	2.44	2.25	28.34
	V.-C. Special 10-3-3 Fertilizer—Guarantee.....	10.00	3.00	3.00	30.60
29824	Analysis.....	11.25	2.32	3.25	29.00
29910	Analysis.....	10.12	3.30	3.70	33.08
29930	Analysis.....	10.86	3.13	3.39	32.75
29960	Analysis.....	10.45	3.02	3.58	31.94
30250	Analysis.....	12.15	2.15	3.45	29.47
30479	Analysis.....	10.87	1.86	3.29	26.29
	V.-C. Special 10-4-0 Fertilizer—Guarantee.....	10.00	4.00	.....	32.00
30145	Analysis.....	11.61	3.75	.....	32.66
	V.-C. Special 10-4-2 Fertilizer—Guarantee.....	10.00	4.00	2.00	34.40
30024	Analysis.....	11.07	3.93	2.19	35.56
30143	Analysis.....	10.43	4.10	2.26	35.73
	V.-C. Special 10-4-4 Fertilizer—Guarantee.....	10.00	4.00	4.00	36.80
29787	Analysis.....	9.99	4.12	4.13	37.55
	V.-C. Special 12-2-2 Fertilizer—Guarantee.....	12.00	2.00	2.00	26.80
29939	Analysis.....	12.49	2.46	2.18	29.91
30054	Analysis.....	12.82	2.24	1.76	28.69
	V.-C. Special 12-3-0 Fertilizer—Guarantee.....	12.00	3.00	.....	29.40
30199	Analysis.....	12.12	3.32	.....	31.14
	V.-C. Special 12-4-4 Fertilizer—Guarantee.....	12.00	4.00	4.00	39.20
29938	Analysis.....	12.11	4.01	4.50	39.98
30311	Analysis.....	13.79	3.83	4.28	40.84
30485	Analysis.....	12.29	4.59	2.79	41.05
30569	Analysis.....	11.86	3.26	4.15	35.51
	V.-C. Special 15-0-5 Fertilizer—Guarantee.....	15.00	.....	5.00	24.00
30360	Analysis.....	18.28	.....	4.32	26.12
	V.-C. Tomato Special—Guarantee.....	10.00	2.47	1.50	26.15
29734	Analysis.....	11.23	2.90	1.76	30.09
	V.-C. X. X. X. Special—Guarantee.....	8.00	2.47	1.00	23.15
30200	Analysis.....	9.95	2.48	1.08	25.64
30249	Analysis.....	9.97	2.21	1.18	24.43
30394	Analysis.....	8.08	2.68	1.34	24.71
30431	Analysis.....	8.47	2.15	1.12	22.25
30496	Analysis.....	12.18	2.50	1.14	28.49
30507	Analysis.....	10.68	1.14	3.49	22.71

Table 5. Registration of Commercial Fertilizers, Season 1923-24

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
The American Agricultural Chemical Co., Empire Works, St. Louis, Missouri.			
Empire Corn Grower,	10.00	4.00	.00
Empire Cotton Grower,	12.00	3.00	3.00
Empire 16% Acid Phosphate,	16.00	.00	.00
Empire Texas Big Boll,	12.00	2.00	2.00
Empire Truck Grower,	8.00	4.00	7.00
Horseshoe Corn Grower,	10.00	4.00	.00
Horseshoe Cotton Grower,	12.00	3.00	3.00
Horseshoe 16% Acid Phosphate,	16.00	.00	.00
Horseshoe Texas Big Boll,	12.00	2.00	2.00
Horseshoe Truck Grower,	8.00	4.00	7.00
Arkansas Fertilizer Co., Little Rock Ark.			
Midnight All Day Standard,	9.00	1.65	2.00
Midnight Corn Grower,	10.00	3.00	2.00
Midnight Cotton Grower,	10.00	2.50	3.00
Midnight Cropper,	12.00	4.00	4.00
Midnight Early Boll,	10.00	3.00	3.00
Midnight Grain Maker,	10.00	1.65	2.00
Midnight Trucker,	8.00	2.50	4.00
"White Diamond" Acid Phosphate,	16.00	.00	.00
"White Diamond" Ammoniated Bone,	9.00	1.65	2.00
"White Diamond" Arkansas Standard,	10.00	1.65	1.00
"White Diamond" Blood and Bone Fertilizer,	11.00	1.50	1.50
"White Diamond" Blood, Bone and Potash,	12.00	2.00	1.50
"White Diamond" Bove All Acid Phosphate,	18.00	.00	.00
"White Diamond" Bove All Complete Fertilizer,	9.00	7.00	5.00
"White Diamond" Crop Getter,	12.00	4.00	4.00
"White Diamond" Early Boll,	10.00	3.00	3.00
"White Diamond" Early Harvest,	12.00	1.65	2.00
"White Diamond" Early Potato and Truck,	8.00	2.50	4.00
"White Diamond" Economy,	10.00	3.00	2.00
"White Diamond" Farmer's Choice,	10.00	4.00	4.00
"White Diamond" Gro-Fast Fertilizer,	10.00	3.00	4.00
"White Diamond" High Grade Truck Fertilizer,	8.00	3.20	6.00
"White Diamond" Kainit, .....	.00	.00	14.00
"White Diamond" Kali Superphosphate,	11.00	.00	3.00
"White Diamond" Muriate of Potash, .....	.00	.00	50.00
"White Diamond" Nitrate of Soda, .....	.00	15.60	.00
"White Diamond" Prize Winner,	10.00	2.50	3.00
"White Diamond" Queen of the South,	10.00	3.00	.00
"White Diamond" Southern King,	12.00	2.00	2.00
"White Diamond" Southern Queen,	10.00	1.65	2.00
"White Diamond" Southern Special,	9.00	3.00	3.00
"White Diamond" Southern Standard,	10.00	1.65	1.50
"White Diamond" 20th Century,	9.00	1.65	2.00
"White Diamond" Vegetable Fertilizer,	7.50	2.00	3.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Armour Fertilizer Works, Houston, Ft. Worth, Tex. New Orleans, La.			
Armour's Ammoniated Truck Grower,	10.00	2.47	.00
Armour's Big Crop African Cotton Grower,	9.00	2.47	3.00
Armour's Big Crop Best Phosphate,	18.00	.00	.00
Armour's Big Crop Boll Producer,	12.00	1.65	4.00
Armour's Big Crop Cotton Maker,	10.00	4.00	2.00
Armour's Big Crop Crop Grower,	12.00	1.65	.00
Armour's Big Crop Farmers' Favorite,	10.00	1.65	2.00
Armour's Big Crop Fertilizer No. 1044,	10.00	4.00	4.00
Armour's Big Crop Fertilizer No. 8334,	8.00	3.30	4.00
Armour's Big Crop Fertilizer No. 8336,	8.00	3.30	6.00
Armour's Big Crop Fertilizer No. 10330,	10.00	3.30	.00
Armour's Big Crop Fertilizer No. 10334,	10.00	3.30	4.00
Armour's Big Crop Fertilizer No. 12334,	12.00	3.30	4.00
Armour's Big Crop Fertilizer No. 82476,	8.00	2.47	6.00
Armour's Big Crop Fertilizer No. 102473,	10.00	2.47	3.00
Armour's Big Crop Fertilizer No. 102475,	10.00	2.47	5.00
Armour's Big Crop Fertilizer No. 121652,	12.00	1.65	2.00
Armour's Big Crop Fruit & Vegetable Grower,	7.00	5.00	5.00
Armour's Big Crop General Crop Maker,	8.00	4.00	4.00
Armour's Big Crop Lower Valley Special,	8.00	2.47	8.00
Armour's Big Crop Manure Salts, .....	.00	.00	20.00
Armour's Big Crop Muriate of Potash, .....	.00	.00	50.00
Armour's Big Crop New Mixture,	10.00	3.00	3.00
Armour's Big Crop Onion Fertilizer No. 644†,	6.00	3.29	4.00
Armour's Big Crop Onion Fertilizer No. 834†,	8.00	2.47	4.00
Armour's Big Crop Onion Fertilizer No. 844†,	8.00	3.29	4.00
Armour's Big Crop Onion Fertilizer No. 846†,	8.00	3.29	6.00
Armour's Big Crop Onion Fertilizer No. 860†,	8.00	4.94	.00
Armour's Big Crop Onion Fertilizer No. 1034†,	10.00	2.47	4.00
Armour's Big Crop Onion Fertilizer No. 1040†,	10.00	3.29	.00
Armour's Big Crop Onion Fertilizer No. 1042†,	10.00	3.29	2.00
Armour's Big Crop Onion Fertilizer No. 1044†,	10.00	3.29	4.00
Armour's Big Crop Phosphate & Nitrogen No. 1040,	10.00	4.00	.00
Armour's Big Crop Phosphate & Nitrogen No. 1230,	12.00	3.00	.00
Armour's Big Crop Phosphate & Potash No. 104,	10.00	.00	4.00
Armour's Big Crop Phosphate & Potash No. 122,	12.00	.00	2.00
Armour's Big Crop Phosphate & Potash No. 124,	12.00	.00	4.00
Armour's Big Crop Produce Special,	8.00	4.00	6.00
Armour's Big Crop River Farm Mixture,	10.00	2.00	4.00
Armour's Big Crop Star Phosphate,	16.00	.00	.00
Armour's Big Crop Strawberry King,	10.00	2.47	4.00
Armour's Big Crop Strawberry Special No. 102478,	10.00	2.47	8.00
Armour's Big Crop Sugar Cane Grower,	8.00	7.00	.00
Armour's Big Crop Sulphate of Ammonia, .....	.00	20.58	.00
Armour's Big Crop Sulphate of Potash, .....	.00	.00	48.00
Armour's Big Crop Sunny South Special,	12.00	2.00	2.00

†Registration cancelled.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Armour Fertilizer Works, Houston, Ft. Worth, Tex., New Orleans, La. (Continued).			
Armour's Big Crop Sunshine Special,	12.00	3.00	3.00
Armour's Big Crop Texas Cotton Fertilizer,	12.00	3.30	2.00
Armour's Big Crop Texas High Analysis,	12.00	4.00	4.00
Armour's Big Crop Texas Trucker,	8.00	2.47	3.00
Armour's Big Crop Texas Vegetable Grower,	9.00	2.05	3.00
Armour's Big Crop Truck Special,	7.00	4.11	6.00
Armour's Corn King,	8.00	2.47	2.00
Armour's Cotton Fertilizer No. 101650,	10.00	1.65	.00
Armour's Fertilizer No. 111650,	11.00	1.65	.00
Armour's Fertilizer Tankage, .....	.00	8.23	.00
Armour's Grain Grower,	8.00	1.65	2.00
Armour's Kainit, .....	.00	.00	12.40
Armour's King Cotton,	8.00	1.65	2.00
Armour's Onion Fertilizer No. 533,	5.33	4.38	.00
Armour's Onion Fertilizer No. 632,	6.00	2.47	2.00
Armour's Onion Fertilizer No. 642,	6.00	3.29	2.00
Armour's Onion Fertilizer No. 643,	6.00	3.29	3.00
Armour's Phosphate & Potash No. 102,	10.00	.00	2.00
Armour's Raw Bone Meal,	*22.00	3.70	.00
Armour's Rice Grower No. 101650,	10.00	1.65	.00
Armour's Rice King,	8.00	1.65	2.00
Armour's Royal Mixture,	10.00	1.65	1.00
Armour's Special Farm Mixture,	9.50	1.65	1.50
Armour's Syrup Cane Grower,	7.00	4.94	.00
Nitrate of Soda, .....	.00	14.81	.00
Guy Ater, Bertram, Texas.			
Bat Guano,	3.50	8.00	2.00
Geo. L. Barber, Jacksonville, Texas.			
Barbers Nitrate of Soda, .....	.00	15.00	.00
Barber's 16% Acid Phosphate,	16.00	.00	.00
The Barrett Co., Sales Agent, 40 Rector St., New York, N. Y.			
Arcadian Sulphate of Ammonia, .....	.00	20.75	.00
Bryan Cotton Oil & Fertilizer Co., Bryan, Texas.			
Star Brand Acid Phosphate 16%,	16.00	.00	.00
Star Brand Cotton & Corn Fertilizer,	11.50	1.80	.00
Star Brand Nitrate of Soda, .....	.00	15.00	.00
Star Brand Phospho Special Fertilizer	11.00	2.00	.00
Star Brand Potato Fertilizer,	8.00	3.50	.00
Chas. A. R. Campbell, M. D., San Antonio, Texas.			
Bat Roost Guano,	4.00	10.00	.00

†Registration cancelled.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Commercial Fertilizer Co., Little Rock, Ark.			
"Commercial" Brand Acid Phosphate,	16.00	.00	.00
"Commercial" Brand All-Crop Fertilizer,	9.00	1.65	2.00
"Commercial" Brand Arkahoma Special,	9.00	1.65	2.00
"Commercial" Brand Arkansas Complete,	10.00	1.65	1.50
"Commercial" Brand Arkansas Standard,	10.00	1.65	1.00
"Commercial" Brand Blood and Bone Fertilizer,	11.00	1.50	1.50
"Commercial" Brand Blood, Bone and Potash,	12.00	2.00	1.50
"Commercial" Brand Bove All Acid Phosphate,	18.00	.00	.00
"Commercial" Brand Bove All Complete,	9.00	7.00	5.00
"Commercial" Brand Bove All Cotton Grower,	10.00	3.00	4.00
"Commercial" Brand Crop Getter,	12.00	4.00	4.00
"Commercial" Brand Early Boll,	10.00	3.00	3.00
"Commercial" Brand Early Harvest,	12.00	1.65	2.00
"Commercial" Brand Early Potato and Truck,	8.00	2.50	4.00
"Commercial" Brand Economy,	10.00	3.00	2.00
"Commercial" Brand Farmers' Choice,	10.00	4.00	4.00
"Commercial" Brand High Grade Truck Fertilizer,	8.00	3.20	6.00
"Commercial" Brand Kali Superphosphate,	11.00	.00	3.00
"Commercial" Brand Prize Winner,	10.00	2.50	3.00
"Commercial" Brand Queen of the South,	10.00	3.00	.00
"Commercial" Brand Southern King,	12.00	2.00	2.00
"Commercial" Brand Southern Special,	9.00	3.00	3.00
"Commercial" Brand Special Cotton Grower,	10.00	1.65	2.00
"Commercial" Brand Vegetable Fertilizer,	7.50	2.00	3.00
The Cudahy Packing Co., Chicago, Ill.			
Bigwin High Grade 18% Acid Phosphate,	18.00	.00	.00
Bigwin High Grade Fertilizer,	10.00	4.00	.00
Bigwin High Grade Fertilizer 9-3-3,	9.00	3.00	3.00
Bigwin High Grade Fertilizer 10-1.65-2,	10.00	1.65	2.00
Bigwin High Grade Fertilizer 10-2-2,	10.00	2.00	2.00
Bigwin High Grade Fertilizer 10-3-3,	10.00	3.00	3.00
Bigwin High Grade Fertilizer 10-4-4,	10.00	4.00	4.00
Bigwin High Grade Fertilizer 12-1.65-2,	12.00	1.65	2.00
Bigwin High Grade Fertilizer 12-3-3,	12.00	3.00	3.00
Bigwin High Grade Fertilizer 12-4-4,	12.00	4.00	4.00
Bigwin High Grade 16% Acid Phosphate,	16.00	.00	.00
Bigwin Standard Grade Fertilizer Half & Half,	13.00	1.23	.00
Bigwin Standard Grade Fertilizer 10-0-2,	10.00	.00	2.00
Bigwin Standard Grade Mertilizer 10-1.65-1,	10.00	1.65	1.00
Bigwin Standard Grade Fertilizer Steamed Bone Meal,	*24.00	2.47	.00
Blue Ribbon Fertilizer (Half & Half),	13.00	1.23	.00
Blue Ribbon Fertilizer (Steamed Bone Meal)	*24.00	2.47	.00

*Total Phosphoric Acid.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Davenport & Berryman, Palestine, Texas.			
(Bo-Mat) McFarlands Trucker	7.00	4.00	6.00
(Bo-Mat) Money Maker	9.00	4.00	2.00
(Bo-Mat) Mortgage Lifter	10.00	2.00	2.00
(Bo-Mat) Repeater	8.00	3.00	4.00
(Bo-Mat) Texas King,	10.00	3.00	3.00
(Bo-Mat) Truck Grower,	8.00	4.00	4.00
Douglas Fertilizer Co., Little Rock, Ark.			
"4 Brand" Acid Phosphate,	16.00	.00	.00
"4 Brand" Arkahoma Special,	9.00	1.65	2.00
"4 Brand" Blood and Bone Fertilizer,	11.00	1.50	1.50
"4 Brand" Blood, Bone and Potash	12.00	2.00	1.50
"4 Brand" Bove All Acid Phosphate	18.00	.00	.00
"4 Brand" Bove All Complete,	9.00	7.00	5.00
"4 Brand" Crop Getter,	12.00	4.00	4.00
"4 Brand" Douglas Complete,	10.00	1.65	1.00
"4 Brand" Douglas Preferred,	10.00	3.00	.00
"4 Brand" Douglas Superior Fertilizer,	10.00	1.65	2.00
"4 Brand" Douglas Vegetable Fertilizer,	7.50	2.00	3.00
"4 Brand" Early Boll,	10.00	3.00	3.00
"4 Brand" Early Harvest	12.00	1.65	2.00
"4 Brand" Early Potato and Truck,	8.00	2.50	4.00
"4 Brand" Economy	10.00	3.00	2.00
"4 Brand" Farmers Choice,	10.00	4.00	4.00
"4 Brand" Complete,	10.00	3.00	4.00
"4 Brand" 4 Brand Cotton Grower,	9.00	1.65	2.00
"4 Brand" 4 Brand Phosphate and Potash,	11.00	.00	3.00
"4 Brand" High Grade Truck Fertilizer,	8.00	3.20	6.00
"4 Brand" Nitrate of Soda .....	.00	15.60	.00
"4 Brand" Prize Winner	10.00	2.50	3.00
"4 Brand" Southern King,	12.00	2.00	2.00
"4 Brand" Southern Special,	9.00	3.00	3.00
"4 Brand" Southern Standard,	10.00	1.65	1.50
Earp-Thomas Cultures Corporation, Long Island City, New York.			
StimU-Plant Tablets,	12.00	11.00	15.00
E. I. DuPont de Nemours & Co. Inc., Wilmington, Delaware.			
Nitrate of Soda, .....	.00	15.00	.00
Fidelity Chemical Corporation, Houston, Texas.			
Fidelity Ammoniated Super-Phosphate with Potash Fertilizer,	10.00	1.65	1.00
Fidelity Cotton Special Fertilizer,	10.00	1.65	2.00
Fidelity Cotton Special No. 2 Fertilizer,	10.00	1.65	1.50
Fidelity Cotton Standard Fertilizer,	8.00	2.06	1.50
Fidelity 18% Acid Phosphate,	18.00	.00	.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Fidelity Chemical Corporation, Houston, Texas.			
(Continued).			
Fidelity Fall Special Fertilizer,	6.00	2.47	4.26
Fidelity 7-5-5 Fertilizer,	7.00	5.00	5.00
Fidelity 8-4-4 Fertilizer,	8.00	4.00	4.00
Fidelity 8-4-6 Fertilizer,	8.00	4.00	6.00
Fidelity 8-7-0 Fertilizer,	8.00	7.00	.00
Fidelity 10-2-2 Fertilizer,	10.00	2.00	2.00
Fidelity 10-3-3 Fertilizer,	10.00	3.00	3.00
Fidelity 10-3.29-4 Fertilizer,	10.00	3.29	4.00
Fidelity 10-4-0 Fertilizer,	10.00	4.00	.00
Fidelity 10-4-2 Fertilizer,	10.00	4.00	2.00
Fidelity 12-0-4 Fertilizer,	12.00	.00	4.00
Fidelity 12.-0-8 Fertilizer,	12.00	.00	8.00
Fidelity 12-2-2 Fertilizer,	12.00	2.00	2.00
Fidelity 12-3-0 Fertilizer,	12.00	3.00	.00
Fidelity 12-3-3 Fertilizer,	12.00	3.00	3.00
Fidelity 12-4-4 Fertilizer,	12.00	4.00	4.00
Fidelity Kainit, .....	.00	.00	12.00
Fidelity Muriate of Potash, .....	.00	.00	50.00
Fidelity Nitrate of Soda, .....	.00	15.00	.00
Fidelity Peerless Trucker Fertilizer,	8.00	2.47	5.00
Fidelity Potato Special Fertilizer,	7.00	2.06	3.00
Fidelity Regal Compound Fertilizer,	10.00	.00	4.00
Fidelity Rice Planter Fertilizer,	12.00	.00	2.00
Fidelity 16% Acid Phosphate,	16.00	.00	.00
Fidelity Strawberry Special Fertilizer,	6.00	2.47	5.00
Fidelity Sugarland Trucker Fertilizer,	8.00	2.47	6.00
Fidelity Sulphate of Ammonia, .....	.00	20.00	.00
Fidelity Tomato Special Fertilizer,	10.00	2.47	1.50
Fidelity Waller Special Fertilizer,	8.00	2.06	6.00
Ford Motor Company, Detroit, Mich.			
Ford Ammonium Sulphate, .....	.00	20.80	.00
Gate City Fertilizer Co., Little Rock, Ark.			
Midnight All Day Standard,	9.00	1.65	2.00
Midnight Corn Grower,	10.00	3.00	2.00
Midnight Cotton Grower,	10.00	2.50	3.00
Midnight Cropper,	12.00	4.00	4.00
Midnight Early Boll,	10.00	3.00	3.00
Midnight Grain Maker,	10.00	1.65	2.00
Midnight Trucker,	8.00	2.50	4.00
"Red Ball" Acid Phosphate,	16.00	.00	.00
"Red Ball" Ammoniated Superphosphate,	10.00	3.00	.00
"Red Ball" Arkahoma Special,	9.00	1.65	2.00
"Red Ball" Blood and Bone,	11.00	1.50	1.50
"Red Ball" Blood Bone and Potash,	12.00	2.00	1.50
"Red Ball" Bove All Acid Phosphate,	18.00	.00	.00
"Red Ball" Bove All Complete,	9.00	7.00	5.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Gate City Fertilizer Co., Little Rock, Ark. (Cont.)			
"Red Ball" Complete Fertilizer,	10.00	1.65	1.00
"Red Ball" Cotton Grower,	9.00	1.65	2.00
"Red Ball" Crop Getter,	12.00	4.00	4.00
"Red Ball" Diversified Croppers',	10.00	1.65	2.00
"Red Ball" Early Boll,	10.00	3.00	3.00
"Red Ball" Early Harvest,	12.00	1.65	2.00
"Red Ball" Early Potato and Truck	8.00	2.50	4.00
"Red Ball" Economy,	10.00	3.00	2.00
"Red Ball" Farmers' Choice,	10.00	4.00	4.00
"Red Ball" High Grade Truck Fertilizer,	8.00	3.20	6.00
"Red Ball" Kainit, .....	.00	.00	14.00
"Red Ball" Muriate of Potash, .....	.00	.00	50.00
"Red Ball" Nitrate of Soda, .....	.00	15.60	.00
"Red Ball" Old Reliable Fertilizer,	10.00	3.00	4.00
"Red Ball" Old Time Vegetable Grower,	7.50	2.50	3.00
"Red Ball" Phosphate and Potash,	11.00	.00	3.00
"Red Ball" Prize Winner	10.00	2.50	3.00
"Red Ball" Southern King,	12.00	2.00	2.00
"Red Ball" Southern Special,	9.00	3.00	3.00
"Red Ball" Southern Standard,	10.00	1.65	1.50
Hope Fertilizer Company, Hope, Ark.			
Cotto Phos,	8.50	3.30	1.00
Foster's Favorite Formula,	8.00	4.00	6.00
Hope Fertilizer No. 10,	11.00	1.65	.00
Hope Fertilizer No. 14,	8.00	3.00	4.00
Hope Fertilizer No. 15,	10.00	.00	2.00
Hope Fertilizer No. 16,	10.00	.00	4.00
Hope Fertilizer No. 36,	9.00	3.00	3.00
Hope Fertilizer No. 40	10.00	3.00	3.00
Hope Fertilizer No. 44,	12.00	2.00	2.00
Hope Fertilizer No. 45,	8.00	4.00	4.00
Hope Fertilizer No. 46,	12.00	3.00	3.00
Hope Fertilizer No. 47,	10.00	1.65	3.00
Hope Fertilizer No. 50,	10.00	4.00	3.00
Hope Fertilizer No. 51,	10.00	4.00	4.00
Hope Fertilizer No. 55,	10.00	3.00	2.00
Hope Fertilizer No. 56,	12.00	4.00	4.00
Hope Fertilizer No. 58,	10.00	2.00	2.00
Hope Fertilizer No. 59,	10.00	4.00	2.00
Hope Fertilizer No. 64,	12.00	4.00	.00
Hope Fertilizer No. 65,	10.00	4.00	2.00
Our Cotton Grower,	10.00	1.65	1.00
Our Early Fruiter,	10.00	1.00	1.00
Our Extra Cotton Grower,	10.00	1.65	2.00
Our Potato Grower,	8.00	2.00	6.00
Routon's Special,	10.00	5.00	3.00
Six Six Two	6.00	6.00	2.00
Stork Brand Acid Phosphate 18%,	18.00	.00	.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Hope Fertilizer Company, Hope, Ark. (Continued).			
Stork Brand Kainit, .....	.00	.00	12.50
Stork Brand Muriate of Potash, .....	.00	.00	50.00
Stork Brand Nitrate of Soda, .....	.00	15.00	.00
Stork Brand 16% Acid Phosphate,	16.00	.00	.00
Trucker No. 25,	8.00	3.00	3.00
Houston Packing Company, Houston, Texas.			
Blood and Bone,	*14.50	5.60	.00
Ground Raw Bone	*23.00	3.70	.0
Steam Bone Meal,	*27.00	2.00	.00
Jefferson Oil Company, Jefferson, Texas.			
Jefferson Acid Phosphate,	16.00	.00	.00
Kelly, Weber & Co., Ltd., Lake Charles, La.			
Cotton and Corn Grower,	12.00	1.65	2.00
Rice Growers Fertilizer	12.00	2.00	2.00
16% Acid Phosphate,	16.00	.00	.00
Special Rice Growers Fertilizer,	10.00	.00	4.00
Strawberry Grower,	10.00	2.46	5.00
Truckers Joy Fertilizer,	10.00	1.65	3.00
20% Acid Phosphate,	20.00	.00	.00
Longview Cotton Oil Co., Longview, Texas.			
East Texas Special,	12.00	3.00	3.00
Longview Acid Phosphate,	16.00	.00	.00
Longview Corn & Potato Special,	8.00	3.00	3.00
Longview 18% Acid Phosphate,	18.00	.00	.00
Longview Extra Special, Corn and Potato,	10.00	3.00	3.00
Longview Extra Special Cotton & Corn,	10.00	4.00	2.00
Longview Nitrate of Soda, .....	.00	15.00	.00
Longview Supreme Cotton Grower,	11.00	2.00	2.00
John Marbach, Bracken, Texas.			
Bat Guano,	3.50	9.00	.00
Marshall Cotton Oil Company, Marshall, Texas.			
Cotton Seed Meal Fertilizer,	1.50	6.58	1.00
Farmers Potash Compound,	12.00	.00	4.00
Harrison County Special,	12.00	1.65	1.00
Marshall Acid & Meal Fertilizer,	11.00	2.25	.00
Marshall Acid Phosphate,	16.00	.00	.00
Marshall Cane Grower,	8.00	7.00	.00
Marshall Corn & Potato Special,	8.00	3.00	3.00
Marshall Cotton Grower Special,	11.00	2.00	2.00
Marshall Fertilizer,	12.00	3.00	3.00

*Total Phosphoric Acid.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Marshall Cotton Oil Company, Marshall, Texas.			
(Continued).			
Marshall Kainit, .....	.00	.00	14.00
Marshall Nut Producer,	8.00	6.00	3.00
Marshall Peerless Mixture,	8.00	4.00	2.00
Marshall Wonder Fertilizer,	12.00	4.00	4.00
Muriate of Potash, .....	.00	.00	50.00
Nitrate of Soda, .....	.00	15.00	.00
Nursery Special	9.00	3.40	.00
Our Acid Phosphate,	20.00	.00	.00
Quick Producer Fertilizer,	10.00	4.00	2.00
Supreme Acid Phosphate,	18.00	.00	.00
Marthville Fert. & Grain Co., Marthville, La.			
Cotton & Corn Grower,	13.00	1.65	.00
High Grade Acid Phosphate,	16.00	.00	.00
Meridian Fertilizer Factory, Shreveport, La.			
Kainit, .....	.00	.00	12.00
Meridian Blood & Bone,	10.00	1.65	1.00
Meridian Caddo Cotton,	9.00	2.00	1.00
Meridian Caddo Queen,	10.00	1.65	2.00
Meridian Caddo Special,	7.00	5.00	5.00
Meridian Cane Special,	8.00	7.00	.00
Meridian Corn Club Special,	7.50	2.50	1.00
Meridian Cotton & Corn Special,	10.00	4.00	2.00
Meridian Easy Driller Acid Phosphate,	16.00	.00	.00
Meridian Golden West,	10.00	2.00	2.00
Meridian Great Western,	12.00	3.00	3.00
Meridian Home Mixture,	10.00	1.65	1.00
Meridian Improved Blood Compound,	12.00	4.00	4.00
Meridian Improved Meal Compound,	12.00	4.00	4.00
Meridian Meal Mixture,	10.00	1.65	1.00
Meridian Nitrated Bone & Potash,	10.00	1.65	2.00
Meridian Nitrated Rawbone,	10.00	2.00	2.00
Meridian Perfection Acid Phosphate,	18.00	.00	.00
Meridian Perfection Blood Compound,	10.00	2.50	3.00
Meridian Perfection Cotton & Corn,	10.00	4.00	.00
Meridian Perfection Cotton Formula,	12.00	3.00	.00
Meridian Perfection Meal Compound,	10.00	2.50	3.00
Meridian Perfection Potash Formula,	12.00	.00	4.00
Meridian Potash Compound,	10.00	.00	4.00
Meridian Potash Mixture,	12.00	.00	2.00
Meridian Prolific Wonder	12.00	2.00	2.00
Meridian Rawbone Mixture,	10.00	1.65	1.00
Meridian Rice Grower,	10.00	.00	2.00
Meridian Southern Compound,	10.00	3.00	3.00
Meridian Southern Formula,	10.00	3.00	1.00
Meridian Southern Standard,	10.00	3.00	2.00
Meridian Special Compound,	12.00	4.00	.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Meridian Fertilizer Factory, Shreveport, La. (Cont.)			
Meridian Special Mixture,	12.00	3.00	2.00
Meridian Special Truck Formula,	8.00	4.00	4.00
Meridian Standard Cotton & Corn,	9.00	2.00	1.00
Meridian Star	10.00	1.65	1.00
Meridian 10-4-4,	10.00	4.00	4.00
Meridian Texas Special,	10.00	3.00	.00
Meridian Tomato Special,	10.00	2.50	1.00
Meridian Truck Compound,	8.00	4.30	5.00
Meridian Truck Grower,	8.00	3.00	3.00
Meridian Truck Producer,	9.00	2.00	4.00
Meridian Truckers Special,	8.00	4.00	6.00
Meridian Union Special Acid Phosphate,	16.00	.00	.00
Meridian Vegetable Grower,	8.00	2.50	5.00
Muriate of Potash, .....	.00	.00	50.00
Nitrate of Soda, .....	.00	15.00	.00
Sulphate of Ammonia, .....	.00	20.00	.00
Tankage Compound,	8.50	2.50	.00
H. K. Mulford Company, Philadelphia, U. S. A.			
Mulford Cultures For Legumes,			
Nitrate Agencies Company, New Orleans, La.			
Naco Nitrate of Soda, .....	.00	15.00	.00
Non-Acid Fertilizer & Chemical Company, Lakeland, Florida.			
"Napp" Non-Acid Phosphate-Potash No. 124,	12.00	.00	4.00
"Napp" Non-Acid Phosphate-Potash No. 126,	12.00	.00	6.00
"Napp" Non-Acid Phosphate-Potash No. 128,	12.00	.00	8.00
"Napp" Non-Acid Phosphate-Potash No. 145,	14.00	.00	5.00
"Napp" Non-Acid Phosphate-Potash No. 146,	14.00	.00	6.00
"Napp" Non-Acid Phosphate-Potash No. 147,	14.00	.00	7.00
"Napp" Non-Acid Phosphate-Potash No. 148,	14.00	.00	8.00
"Napp" Non-Acid Phosphate-Potash No. 165,	16.00	.00	5.00
Oil Mill & Fertilizer Works of Henderson, Henderson, Texas.			
"Henderson Acid Phosphate",	16.00	.00	.00
"Henderson Best Cane",	8.00	7.00	.00
"Henderson Best Phosphate",	18.00	.00	.00
"Henderson Better Grade",	10.00	1.65	2.00
"Henderson Favorite",	10.00	2.50	3.00
"Henderson Kainit", .....	.00	.00	12.00
"Henderson Nitrate of Soda", .....	.00	14.81	.00
"Henderson Red Land",	10.00	4.00	.00
"Henderson Sandy Land",	12.00	4.00	4.00
"Henderson Special",	10.00	3.00	3.00
"Henderson Standard",	10.00	1.65	1.00
"Henderson Truck",	8.00	4.00	4.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Palestine Oil & Mfg. Co., Palestine, Texas.			
Acid Phosphate,	18.00	.00	.00
Cotton Seed Meal Fertilizer,	1.00	6.88	1.00
Farm Labor Union Cotton Special,	10.00	2.50	3.00
Farm Labor Union Tomato Special,	10.00	2.50	1.00
Garden Special,	8.00	2.00	4.00
Nitrate of Soda, .....	.00	15.00	.00
Palestine Berry Special,	10.00	2.50	3.00
Palestine Cabbage Special,	8.00	4.00	4.00
Palestine Corn Grower,	9.00	3.00	2.00
Palestine Corn King,	12.00	4.00	3.00
Palestine Corn Maker,	8.00	4.00	2.00
Palestine Corn Producer,	10.00	4.00	2.00
Palestine Cotton Producer,	10.00	1.65	1.00
Palestine Cotton Queen,	10.00	2.50	3.00
Palestine Cotton Seed Meal Mixture,	10.00	3.00	3.00
Palestine Cotton Wonder,	10.00	1.65	2.00
Palestine Deep Sandy Land Fertilizer,	12.00	4.00	4.00
Palestine Irish Potato Special,	10.00	3.00	5.00
Palestine Kainit, .....	.00	.00	15.00
Palestine Lawn and Flower Grower,	8.00	5.00	4.00
Palestine Low Land Special,	12.00	2.00	3.00
Palestine Manure Salts, .....	.00	.00	20.00
Palestine Muriate of Potash, .....	.00	.00	50.00
Palestine Nitrate of Soda Mixture,	10.00	3.00	3.00
Palestine Potash Special,	12.00	.00	4.00
Palestine Orchard Special,	10.00	4.00	4.00
Palestine Red Land Fertilizer,	11.00	3.00	2.00
Palestine Sandy Land Fertilizer,	10.00	3.00	3.00
Palestine Strawberry Producer,	10.00	2.00	4.00
Palestine Sour Land, (Kainit Mixture),	8.00	3.00	4.00
Palestine Tomato Grower,	8.00	3.00	3.00
Palestine Tomato Special,	10.00	4.00	4.00
Palestine 12% Kainit, .....	.00	.00	12.00
Palestine Vegetable Grower,	10.00	2.00	2.00
Palestine Vegetable Special,	8.00	3.00	3.00
Palestine Watermelon Special,	8.00	4.00	6.00
Phillips Special Fertilizer,	10.00	2.00	2.00
Scotts Cane Special,	8.00	7.00	.00
Scotts Corn Maker,	7.50	2.50	1.00
Scotts Special Fertilizer,	12.00	2.00	2.00
16% Acid Phosphate,	16.00	.00	.00
Trinity County Special,	8.00	4.00	4.00
Wortley's Special Fertilizer,	12.00	3.00	3.00
Pate Brothers, Sulphur Springs, Texas.			
Acid Phosphate,	16.00	.00	.00
Pate's 8-2-2,	8.00	2.00	2.00
Pate's 8-3-0,	8.00	3.00	.00
Pate's 8-4-4,	8.00	4.00	4.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Pate Brothers, Sulphur Springs, Texas. (Continued).			
Pate's 9-3-3,	9.00	3.00	.300
Pate's 10-1.65-1,	10.00	1.65	1.00
Pate's 10-1.65-2,	10.00	1.65	2.00
Pate's 10-2-2,	10.00	2.00	2.00
Pate's 10-4-4,	10.00	4.00	4.00
Pate's 11-1.65-0,	11.00	1.65	.00
Pate's 11-2-0,	11.00	2.00	.00
Pate's 12-2-2,	12.00	2.00	2.00
Pate's 12-3-0,	12.00	3.00	.00
Pate's 12-3-3,	12.00	3.00	3.00
Pate's Kainit, .....	.00	.00	14.00
Pate's Master's 10-3-2,	10.00	3.00	2.00
Pate's Nitrate of Soda, .....	.00	15.00	.00
Pelican Fertilizer Works, Shreveport, La.			
Nitrate of Soda, .....	.00	15.00	.00
Pelican Blood & Bone,	10.00	1.65	1.00
Pelican Corn Grower,	10.00	4.00	.00
Pelican Corn Special,	7.50	2.50	1.00
Pelican Cotton & Corn,	10.00	4.00	2.00
Pelican Cotton Special,	10.00	1.65	2.00
Pelican Farm Special,	9.00	2.00	1.00
Pelican Favorite Cotton Grower,	12.00	3.00	3.00
Pelican Fish Formula,	10.00	1.65	1.00
Pelican Golden West,	10.00	2.00	2.00
Pelican High Grade,	10.00	3.00	3.00
Pelican Meal Compound,	10.00	1.65	1.00
Pelican Perfection Compound,	10.00	2.50	3.00
Pelican Perfection Formula,	12.00	4.00	4.00
Pelican Perfection Phosphate,	18.00	.00	.00
Pelican Prolific Wonder,	12.00	2.00	2.00
Pelican Southern Special,	8.00	3.00	3.00
Pelican Southern Standard,	10.00	3.00	2.00
Pelican Special Phosphate,	16.00	.00	.00
Pelican Standard Cotton & Corn,	9.00	2.00	1.00
Pelican Tomato Special,	10.00	2.50	1.00
Pelican Truck Grower,	8.00	4.00	4.00
Pelican Vegetable Grower,	8.00	2.50	4.00
Pick Fertilizer Service, Inc., New Orleans, La.			
Bull Dog Acid Phosphate No. 16,	16.00	.00	.00
Bull Dog Acid Phosphate No. 18,	18.00	.00	.00
Bull Dog Blood & Bone,	10.00	1.65	1.00
Bull Dog Vegetable Grower,	6.00	2.47	4.00
Economizer,	10.00	1.65	2.00
Nnpareil,	10.00	2.47	3.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Potash Per Cent.	Potash Per Cent.
Pittsburg Cotton Oil Co., Pittsburg, Texas.			
18% Acid Phosphate,	18.00	.00	.00
Half Meal and Half Phosphate Fertilizer,	9.00	3.00	.00
Manure Salts, .....	.00	.00	20.00
Meal & Phosphate Fertilizer No. 102½,	10.00	2.50	.00
Meal & Phosphate Fertilizer No. 510,	5.00	10.00	.00
Meal & Phosphate Fertilizer No. 840,	8.00	4.00	.00
Meal & Phosphate Fertilizer No. 844,	8.00	4.00	4.00
Meal & Phosphate Fertilizer No. 1033,	10.00	3.00	3.00
Meal & Phosphate Fertilizer No. 1220,	12.00	2.00	.00
Meal & Phosphate Fertilizer No. 1222,	12.00	2.00	2.00
Meal & Phosphate Fertilizer No. 1233,	12.00	3.00	2.00
Meal & Phosphate Fertilizer No. 1242,	12.00	4.00	2.00
Meal & Phosphate Fertilizer No. 1244,	12.00	4.00	4.00
Meal & Phosphate Fertilizer No. 101651,	10.00	1.65	1.00
Meal & Phosphate Fertilizer No. 101652,	10.00	1.65	2.00
Nitrate of Soda, .....	.00	15.00	.00
One Meal and Two Phosphate Fertilizer,	11.00	2.00	.00
Prime Cotton Seed Meal Fertilizer,	2.00	6.88	1.00
16% Acid Phosphate,	16.00	.00	.00
Sulphate of Ammonia, .....	.00	20.80	.00
Planters Fertilizer & Chemical Co., Houston, Ft. Worth, Texas, and New Orleans, La.			
Nitrate of Soda, .....	.00	14.81	.00
Planters' Plow Brand African Cotton Grower,	9.00	2.47	3.00
Planters' Plow Brand Ammoniated Superphosphate	10.00	1.65	2.00
Planters' Plow Brand Burns Special,	12.00	1.65	4.00
Planters' Plow Brand Corn Fertilizer,	8.00	2.47	2.00
Planters' Plow Brand Cotton Fertilizer No. 101650	10.00	1.65	.00
Planters' Plow Brand Cotton Maker,	10.00	4.00	2.00
Planters' Plow Brand Crop Grower,	12.00	1.65	.00
Planters' Plow Brand Dekalb Special,	10.00	4.00	4.00
Planters' Plow Brand 18% Acid Phosphate,	18.00	.00	.00
Planters' Plow Brand Farmers' Mixture,	10.00	1.65	1.00
Planters' Plow Brand Fertilizer No. 8334,	8.00	3.30	4.00
Planters' Plow Brand Fertilizer No. 8336,	8.00	3.30	6.00
Planters' Plow Brand Fertilizer No. 10334,	10.00	3.30	4.00
Planters' Plow Brand Fertilizer No. 12334,	12.00	3.30	4.00
Planters' Plow Brand Fertilizer No. 74116,	7.00	4.11	6.00
Planters' Plow Brand Fertilizer No. 101654,	10.00	1.65	4.00
Planters' Plow Brand Fertilizer No. 102473,	10.00	2.47	3.00
Planters' Plow Brand Fertilizer No. 102475,	10.00	2.47	5.00
Planters' Plow Brand Fertilizer No. 111650,	11.00	1.65	.00
Planters' Plow Brand Fruit & Vegetable Grower, ..	7.00	5.00	5.00
Planters' Plow Brand General Crop Maker,	8.00	4.00	4.00
Planters' Plow Brand Grapeland Special,	10.00	2.00	2.00
Planters' Plow Brand Imperial Cotton Mixture, ...	8.00	1.65	2.00
Planters' Plow Brand Imperial Grain Grower,	8.00	1.65	2.00
Planters' Plow Brand Imperial Rice Mixture,	8.00	1.65	2.00

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Planters Fertilizer & Chemical Co., Houston, Ft. Worth, Texas, and New Orleans, La. (Continued).			
Planters' Plow Brand Imperial Truck Mixture,	8.00	2.47	3.00
Planters' Plow Brand Kainit, . . . . .	.00	.00	12.40
Planters' Plow Brand Magic Strawberry Producer,	10.00	2.47	4.00
Planters' Plow Brand New Mixture,	10.00	3.00	3.00
Planters' Plow Brand Old Standard Superphosphate,	9.50	1.65	1.50
Planters' Plow Brand Phosphate & Nitrogen No. 1040,	10.00	4.00	.00
Planters' Plow Brand Phosphate & Nitrogen No. 1230,	12.00	3.00	.00
Planters' Plow Brand Phosphate & Potash No. 102,	10.00	.00	2.00
Planters' Plow Brand Phosphate & Potash No. 104,	10.00	.00	4.00
Planters' Plow Brand Phosphate & Potash No. 122,	12.00	.00	2.00
Planters' Plow Brand Phosphate & Potash No. 124,	12.00	.00	4.00
Planters' Plow Brand Produce Special,	8.00	4.00	6.00
Planters' Plow Brand Rice Grower No. 101650,	10.00	1.65	.00
Planters' Plow Brand 16% Acid Phosphate,	16.00	.00	.00
Planters' Plow Brand Special Trucker,	10.00	2.47	.00
Planters' Plow Brand Strawberry Special No. 102478,	10.00	2.47	8.00
Planters' Plow Brand Sugar Cane Grower,	8.00	7.00	.00
Planters' Plow Brand Sulphate of Ammonia, . . . . .	.00	20.58	.00
Planters' Plow Brand Sunny South Special,	12.00	2.00	2.00
Planters' Plow Brand Sunshine Special,	12.00	3.00	3.00
Planters' Plow Brand Syrup Cane Grower,	7.00	4.94	.00
Planters' Plow Brand Texas Special Fertilizer,	12.00	4.00	4.00
Planters' Plow Brand Texas Vegetable Grower,	7.00	2.47	3.50
Planters' Raw Bone Meal,	*22.00	3.70	.00
Rosenthal Packing Co., Galveston, Texas.			
Blood and Bone Tankage,	*12.28	5.91	.00
Shreveport Fertilizer Works, Shreveport, La.			
Allur's Choice,	10.00	2.50	3.00
Lion Acid Phosphate & Limestone,	16.00	.00	.00
Lion Blood & Bone,	10.00	1.65	1.00
Lion Cane Producer,	7.00	5.00	5.00
Lion Cane Special,	8.00	7.00	.00
Lion Corn Food,	8.00	2.50	1.00
Lion Cotton Grower,	12.00	2.00	2.00
Lion Cotton Seed Meal Mixture,	10.00	1.65	1.00
Lion Georgia Special,	8.00	3.00	3.00
Lion Gold Coin Guano,	10.00	1.65	2.00
Lion LaTex,	9.00	3.00	3.00
Lion LaTex Special,	10.00	3.00	3.00
Lion Meal Formula,	10.00	1.65	.00
Lion Non-Potasic,	12.00	3.00	.00

*Total Phosphoric Acid.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Shreveport Fertilizer Works, Shreveport, La. (Cont.)			
Lion Potato Producer,	8.00	4.00	4.00
Lion Prolific Fruiter,	9.00	2.00	1.00
Lion Rice Grower,	10.00	.00	2.00
Lion Success Mixture,	11.00	1.65	.00
Lion Superior Acid Phosphate,	17.00	.00	.00
Lion Superior Blood & Bone,	10.00	2.50	1.00
Lion Superior Cotton,	12.00	4.00	4.00
Lion Superior Meal Formula,	10.00	2.50	1.00
Lion Superfine Acid Phosphate,	18.00	.00	.00
Lion Superphos Potash,	12.00	.00	2.00
Lion Super Potash,	12.00	.00	4.00
Lion Texas Special,	10.00	4.00	.00
Lion Tomato Special,	8.00	4.00	6.00
Lion Truck Grower,	8.00	2.00	4.00
Lion Veribest,	12.00	3.00	3.00
Lion Xtrafine Mixture,	10.00	4.00	2.00
Lion Xtragood Acid Phosphate,	16.00	.00	.00
Mays Special,	10.00	2.00	2.00
Nitrate of Soda, .....	.00	14.50	.00
Shalley's Rice Grower,	10.00	.00	4.00
Stauffer Chemical Company of Texas, Houston, Texas.			
"Toro" Brand Agricultural Sulphur Compound, .....	.00	.00	.00
Swift & Co., Harvey and Shreveport, La.			
Atlantic 10-5.75-7,	10.00	5.75	7.00
Atlantic 12-4-4,	12.00	4.00	4.00
Swift's Ammoniated Raw Bone Superphosphate, ...	9.50	1.65	1.50
Swift's Blood, Bone & Potash,	10.00	3.29	7.00
Swift's Bone Meal Fertilizer,	*29.00	1.86	.00
Swift's Cyanamid, .....	.00	21.30	.00
Swift's Dried Blood, .....	.00	13.16	.00
Swift's Eagle	10.00	1.65	2.00
Swift's High Grade Acid Phosphate Fertilizer 18%,	18.00	.00	.00
Swift's High Grade Acid Phosphate Fertilizer 16%,	16.00	.00	.00
Swift's High Grade Cane Grower,	6.00	6.58	.00
Swift's Kainit, .....	.00	.00	12.40
Swift's Laredo Mixture,	8.00	4.94	.00
Swift's Lawn & Garden Fertilizer,	8.00	3.29	4.00
Swift's Manure Salts, .....	.00	.00	20.00
Swift's Muriate of Potash, .....	.00	.00	50.00
Swift's Nitrate of Soda,, .....	.00	14.81	.00
Swift's Onion Grower,	7.00	3.70	3.00
Swift's Palmetto,	8.00	2.47	3.00
Swift's Raw Bone Meal,	*22.90	3.70	.00

*Total Phosphoric Acid.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Swift & Co., Harvey and Shreveport, La. (Cont.)			
Swift's Red Steer,	10.00	2.47	3.00
Swift's Red Steer 6-8.22-0,	6.00	8.22	.00
Swift's Red Steer 7-5-5,	7.00	5.00	5.00
Swift's Red Steer 8-1.65-2,	8.00	1.65	2.00
Swift's Red Steer 8-3.29-6,	8.00	3.29	6.00
Swift's Red Steer 8-4-4,	8.00	4.00	4.00
Swift's Red Steer 8-4-6,	8.00	4.00	6.00
Swift's Red Steer 8-6.58-4,	8.00	6.58	4.00
Swift's Red Steer 8-7-0,	8.00	7.00	.00
Swift's Red Steer 10-2-2,	10.00	2.00	2.00
Swift's Red Steer 10-3-3,	10.00	3.00	3.00
Swift's Red Steer 10-3.29-0,	10.00	3.29	.00
Swift's Red Steer 10.3.29-4,	10.00	3.29	4.00
Swift's Red Steer 10-4-0,	10.00	4.00	.00
Swift's Red Steer 10-4-2,	10.00	4.00	2.00
Swift's Red Steer 10-4-4,	10.00	4.00	4.00
Swift's Red Steer 10-5.75-7,	10.00	5.75	7.00
Swift's Red Steer 12-3-0,	12.00	3.00	.00
Swift's Red Steer 12-3-3,	12.00	3.00	3.00
Swift's Red Steer 12-4-2,	12.00	4.00	2.00
Swift's Red Steer 12-4-4,	12.00	4.00	4.00
Swift's Red Steer 14-0-4,	14.00	.00	4.00
Swift's Red Steer 14-2-2,	14.00	2.00	2.00
Swift's Red Steer 15-0-5,	15.00	.00	5.00
Swift's Red Steer 18% Acid Phosphate,	18.00	.00	.00
Swift's Red Steer Cotton Grower,	12.00	1.65	2.00
Swift's Red Steer For Onions,	7.00	3.70	.00
Swift's Red Steer For Strawberries,	10.00	2.47	5.00
Swift's Red Steer for Tomatoes,	7.00	4.12	5.00
Swift's Red Steer for Tomatoes 10-2.47-0,	10.00	2.47	.00
Swift's Red Steer for Truck,	8.00	3.29	.00
Swift's Red Steer Lawn Special,	7.00	4.94	2.00
Swift's Red Steer Special,	12.00	2.00	2.00
Swift's Red Steer Tomato Special,	10.00	2.47	1.00
Swift's Red Steer Truck Grower,	8.00	3.29	4.00
Swift's Red Steer Valley Special,	8.00	2.47	8.00
Swift's Special Mixture,	10.00	1.65	.00
Swift's Special Raw Bone Meal,	*24.00	2.47	.00
Swift's Special Tankage Fertilizer,	9.00	3.29	3.00
Swift's Standard Tankage Mixture,	6.00	3.29	3.00
Swift's Sulphate of Ammonia, .....	.00	20.56	.00
Swift's Sulphate of Potash, .....	.00	.00	49.00
Swift's Tankage Mixture,	9.00	3.29	.00
Swift's 10-0-4,	10.00	.00	4.00
Swift's 10-1.65-1,	10.00	1.65	1.00
Swift's 12-0-4,	12.00	.00	4.00

*Total Phosphoric Acid.

Table 5. Registration of Commercial Fertilizers, Season 1924-25 (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Swift & Co., Harvey and Shreveport, La. (Cont.)			
Swift's 12-1.65-0,	12.00	1.65	.00
Swift's Truckers Favorite	8.00	2.47	1.00
Swift's Vegetable Grower,	8.00	3.29	2.00
Tennessee Coal, Iron & Railroad Company, Birmingham, Alabama.			
Duplex Basic Phosphate,	18.00	.00	.00
Texas Chemical Company, Houston, Texas.			
T-C-C Brand Bone and Potash,	*20.00	3.33	5.00
T-C-C Brand Powdered Raw Bone,	*17.00	2.85	.00
T-C-C Brand Bone Meal,	*22.00	3.70	.00
Toyah Valley Sulphur Co., New Orleans, La.			
Toyah Valley Agricultural Sulphur Compound, .....	.00	.00	.00
Van Zandt Cotton Oil Company, Wills Point, Texas.			
Fertilizer Meal, .....	.00	6.50	.00
Semper-Fidelis Phospho-Meal,	9.00	3.50	1.00
Semper-Fidelis Royal Fertilizer,	10.00	1.65	.00
Semper-Fidelis 16% Acid Phosphate,	16.00	.00	.00
Semper-Fidelis Special Fertilizer,	11.00	1.65	1.00
Semper-Fidelis Sure Crop Fertilizer,	11.00	3.00	2.00
Virginia-Carolina Chemical Company of Delaware, Shreveport, La.			
BBB Beef Blood & Bone,	10.00	1.65	1.00
Capital Meal Formula,	10.00	1.65	.00
Eureka Complete Fertilizer,	10.00	1.65	4.00
Georgia State Grange,	10.00	1.65	1.00
IXL Ammoniated Fertilizer,	10.00	1.65	.00
Kainit, .....	.00	.00	12.00
Mobile Double Eagle Guano,	10.00	1.65	1.50
Mobile Raw Bone Ammoniated Superphosphate,	10.00	1.65	1.50
Mobile Soluble Guano,	12.00	1.65	.00
Muriate of Potash, .....	.00	.00	48.00
Nitrate of Soda, .....	.00	14.81	.00
Royal Blood Bone & Potash,	10.00	1.65	1.50
Royal Cotton Boll Guano,	8.00	1.65	2.00
Royal Compound,	10.00	.00	2.00
Royal Fruit Grower,	8.00	2.47	5.00
Royal High Grade Guano,	10.00	1.65	2.00
Royal Potash Compound,	10.00	.00	4.00
Royal Tomato Formula,	10.00	2.47	1.00
Royal Vegetable Fertilizer,	8.00	2.47	4.00
Scotts Gossypium Phospho,	10.00	1.65	1.50
Scotts Gossypium Phospho Special,	10.00	1.65	2.00

*Total Phosphoric Acid.

Table 5. Registration of Commercial Fertilizers, Season 1924-25. (Continued)

Manufacturer, Place of Business and Brands.	Phosphoric Acid Available Per Cent.	Nitrogen Per Cent.	Potash Per Cent.
Virginia-Carolina Chemical Company of Delaware, Shreveport, La. (Continued).			
Scotts High Grade Acid Phosphate,	16.00	.00	.00
Scotts Meal Formula,	11.00	1.65	.00
Scotts Potasso Phospho,	12.00	.00	2.00
Scotts Soluble Guano,	11.50	1.65	.00
Scotts State Standard Guano,	8.00	1.65	2.00
Sulphate of Potash, .....	.00	.00	48.00
Tip Top Nitrogen Compound,	2.00	13.16	.00
V-C Ammoniated Fertilizer,	11.50	1.65	.00
V.C.C.Co's. 18% Acid Phosphate,	18.00	.00	.00
V.C.C.Co's. 16% Acid Phosphate,	16.00	.00	.00
V.C.C.Co's. 20% Acid Phosphate,	20.00	.00	.00
V.C.C.Co's. Truck Grower,	8.00	2.06	6.00
V-C High Grade Champion Compound,	9.00	3.00	3.00
V-C High Grade Dixie Special,	7.00	3.00	1.00
V-C High Grade Guano,	10.00	1.65	2.00
V-C High Grade Potash Compound,	12.00	.00	4.00
V-C High Grade Top Dresser,	4.00	6.17	2.50
V-C Plant Food (For Vegetables, Lawns and Flowers),	8.00	4.92	3.00
V-C Rice Special,	10.00	1.65	2.00
V-C Soluble Guano,	12.00	1.65	.00
V-C Special Fertilizer,	11.00	2.47	.00
V-C Special 7-5-5 Fertilizer,	7.00	5.00	5.00
V-C Special 8-2-2 Fertilizer,	8.00	2.00	2.00
V-C Special 8-3-3 Fertilizer,	8.00	3.00	3.00
V-C Special 8-4-4 Fertilizer,	8.00	4.00	4.00
V-C Special 8-4-6 Fertilizer,	8.00	4.00	6.00
V-C Special 8-7-0 Fertilizer,	8.00	7.00	.00
V-C Special 9-2-2 Fertilizer,	9.00	2.00	2.00
V-C Special 10-2-2 Fertilizer,	10.00	2.00	2.00
V-C Special 10-2-4 Fertilizer,	10.00	2.00	4.00
V-C Special 10-2½-3 Fertilizer,	10.00	2.50	3.00
V-C Special 10-3-1 Fertilizer,	10.00	3.00	1.00
V-C Special 10-3-3 Fertilizer,	10.00	3.00	3.00
V-C Special 10-4-0 Fertilizer,	10.00	4.00	.00
V-C Special 10-4-2 Fertilizer,	10.00	4.00	2.00
V-C Special 10-4-4 Fertilizer,	10.00	4.00	4.00
V-C Special 12-2-2 Fertilizer,	12.00	2.00	2.00
V-C Special 12-3-0 Fertilizer,	12.00	3.00	.00
V-C Special 12-3-3 Fertilizer,	12.00	3.00	3.00
V-C Special 12-4-4 Fertilizer,	12.00	4.00	4.00
V-C Special 15-0-5 Fertilizer,	15.00	.00	5.00
V-C Tomato Special,	10.00	2.47	1.50
V-C XXX Special,	8.00	2.47	1.00
Victor Ammoniated Fertilizer,	9.00	2.47	.00
Victor Soluble Guano,	11.00	1.65	.00
V3C Fruit & Truck Special,	6.00	3.29	8.00

PUBLICATIONS AVAILABLE

Order by NUMBER

BULLETINS

- No.
128 Cottonseed Meal as a Human Food (Technical)—1910.
159 Steer Feeding—1913.
162 Composition and Digestibility of the Chloroform Extract of Texas Hays and Fodders (Technical)—1913.
163 Digestion Experiments on men with Cottonseed Meal—1913.
165 Ammonia-Soluble Inorganic Soil Colloids—1914.
166 Digestion Experiments with Texas Feeding Stuffs—1914.
167 Commercial Fertilizers and Their Use—1914.
169 The Total Fatty Acids and Other Ether-Soluble Constituents of Feedstuffs—1914.
170 Texas Feeding Stuffs; Their Composition and Utilization—1914.
171 Losses of Moisture and Plant Food by Percolation—1914.
172 Sudan Grass—1915.
173 The Composition of the Soils of the Texas Panhandle—1915.
174 The effect of Organic Compounds in Pot Experiments—1915.
175 Distribution and Digestibility of the Pentosans of Feeds—1915.
178 The effect of the Additions on Availability of Soil Phosphates—1915.
181 Oxidation of Organic Compounds in the Soil—1915.
182 Steer Feeding—1912.
183 Moisture Relations of Some Texas Soils—1915.
184 Cooperative Fertilizer Experiments with Corn—1908-14.
185 The Production Co-Efficients of Feeds (Technical)—1916.
186 Fattening Lambs—1916.
187 Sprays and Spraying—1916.
188 Tile Drainage—1916.
189 The Composition of Cottonseed Meal and Cottonseed—1916.
190 The Effects of Additions on the Availability of Soil Potash and the Preparation of Sugar Humus—1916.
191 The Composition of Rice and Its By-Products—1916.
192 Soils of Grayson, Lee, McLennan, Titus and Tyler Counties—1916.
195 Japanese Sugar Cane as a Forage Crop—1916.
196 Digestibility of Sugar, Starches, and Pentosans of Roughages—1916.
197 Progress Report, Substation No. 3, Angleton, Texas—1909-14.
200 Progress Report, Substation No. 4, Beaumont, Texas, 1909-14.
201 Peanut Meal and Ground Whole Pressed Peanuts for Hogs—1916.
203 The Productive Values of Some Texas Feeding Stuffs—1916.
204 The Recurring of Milo and some Factors Influencing It. (Technical)—1917.
207 Poultry Houses and Poultry Equipment for Texas—1917.
208 The Fig in Texas—1917.
209 Progress Report, Substation No. 2, Troup, Texas, 1909-14.
210 Barns for Work Animals—1917.
211 Field Experiments with Crown Gall—1913-17.
212 The Availability of Phosphoric Acid in Rock Phosphate—1917.
213 The Composition of the Soils of South Central Texas—1917.
214 Progress Report, Substation No. 1, Beeville, Texas—1910-14.
215 Progress Report, Substation No. 5, Temple, Texas—1910-14.
218 Progress Report, Substation No. 7, Spur, Texas—1909-14.
219 Progress Report, Substation No. 8, Lubbock, Texas—1910-14.
221 Progress Report Substation No. 9, Pecos, Texas—1910-14.
222 The Composition of Peanuts and Peanut By-Products—1917.
224 The Influence of Peanuts and Rice Bran on the Quality of Pork—1918.
226 Cooperative Soft Pork Investigations—1918.
227 Studies of the Harlequin Bug—1918.
228 The Influence of Peanut Meal on the Quality of Pork—1918.
229 Experiments at Substation No. 3, Angleton, Texas—1909-16.
231 The Beemoth or Waxworm—1918.
232 Mineral Requirements of Sheep—1918.
236 Grain Sorghum Improvement—1918.
240 The Utilization of Yucca for the Maintenance of Cattle—1918.
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244 Composition of the Soils of Archer, Franklin and Harrison Counties—1919.
245 Feeding Values of Certain Feeding Stuffs—1919.
247 The Chemical Composition of the Cotton Plant—1919.
258 Report of Experiments at Substation No. 4, Beaumont, Texas—1915-18.
259 Nitrification in Texas Soils (Technical)—1920.
262 The Searing Iron vs. the Knife for Docking or Detailing Lambs—1920.
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269 Grain Sorghum vs. Corn for Fattening Lambs—1920.
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277 Sweet Potato Fertilizer Experiments at Substation No. 2—1921.
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296 Grain Sorghum vs. Corn for Fattening Baby Beeves—1922.

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- No.
- 297 An Economic Study of a Typical Ranching Area on the Edwards Plateau of Texas—1922.
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- 306 Grain Sorghum vs. Corn for Fattening Lambs—1923.
- 307 Texas Root Rot of Cotton and Methods of its Control—1923.
- 308 The Sweet Potato Weevil—1923.
- 309 I. Fattening Steers on Cottonseed Hulls With and Without Corn.—II. The Influence of Age on Fattening Steers—1923.
- 310 The Interpretation of Correlation Data—1923.
- 311 The Influence of Individuality, Age and Season upon the Weights of Fleeces Produced by range Sheep—1923.
- 312 Commercial Fertilizers in 1922-23.
- 313 Rice Bran and Rice Polish for Growing and Fattening Pigs—1923.
- 314 Commercial Feeding Stuffs Sept. 1, 1922 to Aug. 31, 1923.
- 315 Digestion Experiments with Oat By-Products and other Feeds, Report No. 7—1924.
- 316 The Soils of Brazos, Camp, Ellis and Washington Counties—1924.
- 317 Comparative Influences of Various Protein Feeds on Laying Hens—1924.
- 318 The Relation between Rents and Agricultural Land Values in Theory and in Practice—1924.
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- 321 Cotton Variety Experiments at the Main Station—1912 to 1922.
- 322 Commercial Fertilizers in 1923 and 1924.

CIRCULARS

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