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DIVISION OF CHEMISTRY

COMMERCIAL FERTILIZERS IN 1925-26 AND THEIR USES



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†As of September 1, 1926.

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***In cooperation with U. S. Department of Agriculture.

****In cooperation with the School of Agriculture.

SYNOPSIS

This is the annual Fertilizer Control bulletin. It contains statistics regarding fertilizers sold in Texas, information regarding the fertilizer law and analyses of samples of the fertilizer sold by different manufacturers. Anyone who desires to do so can see to what extent the various manufacturers are coming up to their guarantees.

The total sales of fertilizer in Texas for 1925-26 were 121,747 tons; in 1924-25, they were 97,719 tons. Practically all the sales of mixed fertilizers in 1925-26 were confined to 20 analyses.

The bulletin contains a discussion of the use of fertilizers and suggestions for their use on various crops and in various sections of the state.

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COMMERCIAL FERTILIZERS IN 1925-26 AND THEIR USES

G. S. FRAPS and S. E. ASBURY

The quantities of commercial fertilizers sold in Texas for several seasons are shown in Table 1. The sales in 1925-26 were more than last season, but less than season before last. Complete statistics for a number of years will be published in a bulletin to be issued soon.

REDUCED NUMBER OF ANALYSES

The manufacturers of fertilizer doing business in Texas in the fall of 1925 followed the advice of Secretary of Commerce Hoover and reduced the number of analyses of their brands of fertilizer to about 21. This standardization of fertilizers is a great benefit both to the manufacturer and to the farmer as has been the case of standardization with other lines of industry. It is the most progressive step that has been made regarding fertilizers in recent years and probably the most important. The analyses adopted included the standard analyses previously recommended, with some additional analyses. This action has cleared up the confusion caused by the very numerous analyses registered in previous years. The results of 1925-26 have brought out clearly some of the benefits to be derived by this important action.

Table 1. Fertilizers Sold in Texas

Year	Tons
1905-06.....	13,500
1910-11.....	52,985
1913-14.....	77,400
1914-15.....	17,500
1917-18.....	58,000
1918-19.....	46,000
1919-20.....	56,700
1920-21.....	14,850
1921-22.....	33,000
1922-23.....	73,300
1923-24.....	126,179
1924-25.....	97,719
1925-26.....	121,747

MEANING OF THE FIGURES USED IN NAMING A FERTILIZER

When a fertilizer is named by figures, the first figure stands for the percentage of available phosphoric acid, the second for the percentage of nitrogen, and the third for the percentage of water-soluble potash. Thus a 8-4-4 fertilizer contains 8 per cent available phosphoric acid, 4 per cent nitrogen and 4 per cent potash, and one knows exactly what kind of fertilizer is referred to.

QUANTITY OF SALES BY ANALYSES

Table 2 contains the classified sales of fertilizer for three seasons. In previous years, however, statistics were collected only for unmixed materials and the

standard formulas, as there were too many formulas registered to collect the tonnage of each one.

The tonnage of cottonseed meal includes only that sold as a fertilizer. A considerable tonnage of cottonseed meal was sold as a feed under the feed law but used as a fertilizer. There is no way to find out the total tonnage of cottonseed meal used as a fertilizer.

Acid phosphate 18 and 20 per cent were reported together in 1923-24 and 1924-25. Sales of 14.5 per cent to 15.5 per cent kainit in 1925-26 were 185 tons.

About 80 per cent of the fertilizer sold consisted of only six analyses, 10-3-3, 10-2-2, 12-4-4, 8-4-4, 10-4-2, and 12-3-3, with acid phosphate and cottonseed meal.

Table 2—Tons of Fertilizers Sold in Texas, in Order of Tonnage

	To Aug. 1	1924-25	1923-24
Acid Phosphate 18%	19,515	*7,467	*6,180
10-3-3 Fertilizer	19,055		
10-2-2 Fertilizer	15,089		
12-4-4 Fertilizer	13,779	5,589	3,083
Acid Phosphate 16%	13,493	16,837	26,386
Cottonseed Meal tagged as Fertilizer	4,396	2,613	2,559
Acid Phosphate 20%	3,991	x	x
8-4-4 Fertilizer	3,962	1,595	745
10-4-2 Fertilizer	3,790	2,036	1,165
12-3-3 Fertilizer	3,532	3,653	2,943
Mixed Fertilizer not listed elsewhere	2,699	49,178	74,713
8-4-6 Fertilizer	3,098	859	203
Nitrate of Soda	2,592	1,873	1,558
12-2-2 Fertilizer	2,243	2,442	2,551
8-3-3 Fertilizer	2,174		
15-4, 11-5	1,973		
Kainit	1,030	827	628
15-0-6 Fertilizer	870		
Sulphate of Ammonia	669	1,125	535
10-6-7 Fertilizer	625		
Muriate of Potash 50%	569	186	169
Miscellaneous unmixed	533	455	1,307
8-3-5 Fertilizer	448		
12-0-4 Fertilizer	337	533	388
10-4-0 Fertilizer	332	162	307
Bone Meal	315		
12-3-0	261	216	682
Manure Salts	112		
9-6-3 Fertilizer	80		
18-6-6 Fertilizer	79		
7-5-5 Fertilizer	66	64	65
8-7-0 Fertilizer	32	9	13
16-8-12 Fertilizer	6		
Sulphate of Potash	2		
Total	121,747	97,719	126,180

*Both 18% and 20% Acid Phosphate.

INFORMATION ON THE FERTILIZER BAG AND TAG

The guaranteed analysis of the fertilizer is required by law to be printed either on the bag or on a tag attached to the bag. In addition, a fertilizer tax tag is required on every bag before it is offered for sale or sold. The information required on the package 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 in bone or tankage may be guaranteed in place of available.

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 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.

Valuation per ton represents the approximate 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 which is February to April. The following valuations were used in 1925-26:

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

HOW TO CALCULATE VALUATION

The valuation of a fertilizer is readily calculated by multiplying the composition by the valuation of each unit of plant food and adding the products. A unit is one per cent of a ton, or 20 pounds, so if the valuation of available phosphoric acid is 6 cents a pound, the valuation of a unit is $6 \times 20 = \$1.20$. The valuation of a unit of nitrogen at 25 cents a pound would be $25 \times 20 = \$5.00$, and of a unit of potash at 6 cents a pound would be $\$1.20$. The following is an example of the calculation at the prices given above:

Valuation of 12-4-4 Fertilizer

Available phosphoric acid.....	8 × \$1.20 = \$	9.60
Nitrogen.....	4 × 5.00 =	20.00
Potash.....	4 × 1.20 =	4.80
Total valuation per ton.....		\$34.40

COMPOSITION AND SELLING PRICE OF DIFFERENT BRANDS OF FERTILIZERS

Table 3 contains the average composition found, the guaranteed valuation, the valuation found by analysis, and the average retail selling price per ton, of the various analyses of fertilizers. The average retail selling price is the average of the cash retail price as furnished to the inspector by the dealer. The retail price includes handling costs, carrying charges and the dealer's profits, as well as the items mentioned under valuation.

Table 3—Average Composition, Valuation and Selling Price of Different Analyses of Fertilizers

Fertilizer	Number Averaged	Available Phosphoric Acid Per Cent	Nitrogen Per Cent	Potash Per Cent	Guaranteed Valuation Per Ton	Valuation Found Per Ton	Selling Price Per Ton
7-5-5.....	7	8.36	4.64	5.39	\$ 39.40	\$ 39.69	\$ 48.73
8-3-3.....	24	9.04	2.99	3.42	28.20	29.91	38.91
8-3-5.....	2	8.89	3.08	4.38	30.60	31.38	39.20
8-4-4.....	42	8.89	3.79	4.53	34.40	35.17	42.92
8-4-6.....	41	9.22	3.78	6.05	36.80	37.25	45.30
9-6-3.....	2	10.08	5.01	3.55	44.40	41.40	52.70
10-2-2.....	89	10.69	2.11	2.55	24.40	26.45	34.22
10-3-3.....	111	10.52	2.94	3.44	30.60	31.49	38.69
10-4-0.....	5	10.38	3.92	.....	32.00	32.08	40.98
10-4-2.....	60	10.78	3.79	2.85	34.40	35.29	43.44
10-6-7.....	8	10.35	5.61	6.79	50.40	48.72	56.59
12-0-4.....	2	13.15	.....	4.23	19.20	20.87	27.70
12-2-2.....	15	11.97	2.08	2.45	26.80	27.71	36.25
12-3-0.....	5	12.50	3.05	.....	29.40	30.27	38.17
12-3-3.....	38	12.18	2.93	3.46	33.00	33.39	40.53
12-4-4.....	136	12.26	3.87	4.24	39.20	39.11	45.44
15-0-6.....	4	15.32	.....	6.09	25.20	25.68	32.86
15-4.11-5.....	14	15.05	4.18	5.16	44.55	45.20	49.98
18-6-6.....	4	17.65	5.97	6.29	58.80	61.06	64.35
Acid Phosphate 16%.....	72	17.22	.....	.....	19.20	20.66	22.47
Acid Phosphate 18%.....	77	18.59	.....	.....	21.60	22.31	23.55
Acid Phosphate 20%.....	17	20.36	.....	.....	24.00	24.43	24.90
Kainit 12.4.....	9	.....	.....	13.09	14.88	15.62	22.00
Kainit 14.5 up.....	3	.....	.....	15.36	18.16	18.43	22.87
Sulphate of Ammonia.....	12	.....	20.63	.....	102.83	103.05	75.96
Nitrate of Soda.....	35	.....	15.28	.....	74.81	76.72	71.54
Muriate of Potash.....	9	.....	.....	51.44	60.00	61.73	51.57
Mixed Fertilizer not included in the above.....	25	9.59	3.60	4.26	34.12	34.62	.....
Cottonseed Meal (Nitrogen only guaranteed).....	14	.....	6.60	.....	33.28	32.99	30.39
Cottonseed Meal (Complete guarantee).....	10	2.27	6.97	1.33	36.72	39.16	33.56

COMMERCIAL FERTILIZERS IN 1925-26 AND THEIR USES

The guaranteed analysis is given in the first column of the table. It is to be noted that the average analyses are higher than guarantee with phosphoric acid and potash, but are under the guarantee with nitrogen. The total valuation exceeds the guaranteed valuation in almost every case.

COST OF PLANT FOOD

Table 4 contains the retail cost of a pound of available phosphoric acid, of nitrogen and of potash, in cents per pound, as calculated from the cash selling prices per ton and the guaranteed composition in 1925-26. It was assumed that the prices were in the same ratio as the valuations. As the prices of the same fertilizer vary, these figures are not correct for any one locality, but represent averages only and are purposes of comparison. The prices were collected from retail merchants handling fertilizers.

Cost of phosphoric acid. Available phosphoric acid cost about 5 per cent more per pound in 18 per cent acid phosphate than in 20 per cent, and about 13 per cent more in 16 per cent than in 20 per cent. Available phosphoric acid cost more in 16 per cent acid phosphate than in the following mixed fertilizers: 18-6-6, 15-4.11-5, 12-4-4, and 10-6-7. Phosphoric acid was most expensive in 10-2-2 fertilizer, next in 8-3-3, and then 12-2-2.

Table 4—Approximate Average Retail Cost of Plant Food in Cents Per Pound

Fertilizer	Available Phosphoric Acid	Nitrogen	Potash Soluble in Water
Sulphate of Ammonia		18.45	
Muriate of Potash			5.16
Cottonseed Meal (Nitrogen only guaranteed)		22.83	
Cottonseed Meal (complete guarantee)	5.48	22.85	5.48
Nitrate of Soda		23.90	
Acid Phosphate 20%	6.23		
Acid Phosphate 18%	6.53		
18-6-6	6.56	27.35	6.56
15-4.11-5	6.73	28.05	6.73
10-6-7	6.74	28.08	6.74
12-4-4	6.95	28.98	6.95
Acid Phosphate 16%	7.02		
9-6-3	7.12	29.68	7.12
12-3-3	7.37	30.70	7.37
8-4-6	7.39	30.78	7.39
7-5-5	7.42	30.93	7.42
8-4-4	7.49	31.20	7.49
Kainit 14.5 to 15.5%			7.55
10-4-2	7.57	31.55	7.57
10-3-3	7.58	31.60	7.58
8-3-5	7.69	32.03	7.69
10-4-0	7.69	32.03	
12-3-0	7.79	32.45	
15-0-6	7.82		7.82
12-2-2	8.11	33.80	9.11
8-3-3	8.28	34.50	8.28
10-2-2	8.41	35.05	8.41
12-0-4	8.66		8.66
Kainit 12.4%			8.87

Cost of nitrogen. Sulphate of ammonia was the cheapest source of nitrogen; cottonseed meal next. Cottonseed meal was unusually low this season. Nitrogen in nitrate of soda cost about one-third more than in sulphate of ammonia. Nitrogen of course costs more in the mixed fertilizers than in the raw materials,

as the cost of mixing enters into the cost. A pound of plant food cost the most in 10-2-2 fertilizer, the 8-3-3 came next and 12-2-2 third. The lowest priced nitrogen was in the 18-6-6, followed by the 15-4.11-5 and 10-6-7.

Cost of potash. Kainit 12.4 per cent potash was the most expensive form of potash sold in Texas. Potash can be purchased more cheaply in mixed fertilizer than in kainit of this grade. It is certainly not economical to buy kainit of this kind. Kainit of 14.5 to 15.5 per cent potash was somewhat less expensive than 12.4 kainit, but still cost more than many of the mixed fertilizers. Muriate of potash was the cheapest form of potash. Evidently a person desiring to buy unmixed potash should buy muriate of potash, and not kainit.

THE HIGHEST PRICED FERTILIZER PER TON MAY FURNISH PLANT FOOD AT THE LOWEST PRICE PER POUND

Freight is an important item in the cost of fertilizer. As freight is paid on a ton basis, freight charges for a pound of plant food are lower for the more concentrated materials than for the less concentrated ones. The greater the freight rate, the greater becomes the difference in the freight cost per unit of plant food for the two groups.

Freight rates account for the fact that phosphoric acid in 20 per cent acid phosphate costs less, on an average, than that in 18 per cent or 16 per cent. It also partly explains the high cost of potash in kainit compared with the low cost in muriate of potash.

The ratio of plant food in the 8-3-3, 10-3-3, 12-4-4 and 18-6-6 fertilizers are nearly the same, as the proportions are about 3 parts phosphoric acid to one of nitrogen and one of potash. The average retail cost for each pound of plant food was found to be least with 18-6-6, next with 12-4-4, next with 10-3-3 and highest with 8-3-3. That is, the most concentrated mixed fertilizer was the cheapest per pound of plant food, or to put it another way, the highest priced fertilizer per ton may be the lowest priced per pound of plant food. This difference is caused partly by freight charges and partly by the cost of bagging, etc.

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, before taking any sample. The proper sampling of a fertilizer requires care.

BULK SALES

The law permits fertilizers to be sold in bulk by manufacturers direct to consumers for their own use; the tax must, in such case, be paid by the manufacturer. The law requires that fertilizer purchased in bulk and then sold or distributed, be bagged, and that it 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.

ANALYSES BELOW GUARANTEE

Whenever any lot of fertilizer is 4 per cent or more below guarantee, the law requires all persons who have sold this lot of fertilizer to make good the deficiency to all purchasers. The rebate is paid by the manufacturer to the dealer and by the dealer to the customer. During the past season, rebates were paid on 66 lots of fertilizer.

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 OF VALUATION GUARANTEED TO VALUATION DELIVERED

Table 5 contains the average guaranteed valuation, and the average valuation found by our analyses, for all manufacturers doing business in Texas. In the preparation of this table, all analyses made are averaged, even though several were made of each brand, and fertilizer materials are indicated as well as mixed fertilizers.

Table 5—Comparative Valuations of Fertilizer Guaranteed and Delivered by Manufacturers in Dollars a Ton

	Number Averaged	Valuation of Guarantee	Valuation Found
American Agricultural Chemical Company	17	\$ 28.49	\$ 27.73
Arkansas Fertilizer Company	20	29.25	29.18
Armour Fertilizer Works	83	34.37	35.16
Ater, Guy	1	22.00	30.86
Barber, Geo. L.	2	75.00	77.25
Barrett Company, Sales Agents	1	102.50	104.60
Berryman Fertilizer Works	6	33.30	35.36
Bryan Cotton Oil and Fertilizer Company	5	25.40	26.71
Farmers Cotton Oil Company	15	33.73	35.37
Fidelity Chemical Corporation	21	30.07	30.51
Fort Motor Company	5	104.00	104.53
Gate City Fertilizer Company	1	24.00	24.64
Hope Fertilizer Company	19	36.37	36.37
Jefferson Oil Company	1	35.90	38.01
Kelly Weber and Company, Ltd.	1	21.60	39.20
Kerens Cotton Oil Company	4	35.85	35.20
Longview Cotton Oil Company	28	32.19	33.77
Mar-Ater Fertilizer Company	2	36.10	30.95
Marshall Cotton Oil Company	19	36.89	38.14
Meridian Fertilizer Factory	113	30.20	31.39
Munger Oil and Cotton Company	1	38.30	41.24
Nitrate Agencies Company	13	75.76	78.37
Oil Mill and Fertilizer Works	16	31.99	32.75
Palestine Oil Mill and Fertilizer Company	97	35.40	36.10
Pate Brothers	40	33.30	34.94
Pelican Fertilizer Works	3	29.80	32.19
Pick-Fertilizer-Service, Inc.	3	52.67	51.11
Pittsburg Cotton Oil Co. and Fertilizer Works	52	34.93	36.03
Planters Fertilizer and Chemical Company	16	34.07	35.17
Self, Thos.	2	27.30	27.86
Shreveport Fertilizer Works	23	27.64	27.76
Swift and Company Fertilizer Works	156	33.33	34.61
Temple Cotton Oil Company	4	40.10	37.15
Terrell Oil and Refining Company	13	30.18	31.53
Tobian and Company, Louis.	8	34.40	33.79
Tri-State Fertilizer Company	17	28.13	25.82
Virginia-Carolina Chemical Company	51	31.12	31.25
Waldo Fertilizer Company	21	28.79	29.65

Table 6 contains the average guaranteed analyses, and the average analyses found for *mixed* fertilizers sold by the various manufacturers.

Table 6—Average Composition Found and Guaranteed of Mixed Fertilizer, 1925-26

Manufacturer	Number Averaged	Phosphoric Acid Per Cent		Nitrogen Per Cent		Potash Per Cent		Valuation Per Ton	
		Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found
American Agricultural Chemical Co.....	9	11.78	11.21	3.56	3.30	3.56	3.52	\$ 36.18	\$ 34.20
Arkansas Fertilizer Company.....	11	10.18	10.46	3.36	3.20	3.36	3.63	33.07	32.91
Armour Fertilizer Works.....	54	10.91	11.36	3.48	3.46	3.98	4.04	35.24	35.79
Berryman Fertilizer Works.....	6	10.00	11.45	3.50	3.49	3.17	3.47	33.30	35.36
Bryan Cotton Oil and Fertilizer Company.....	3	11.33	12.28	2.67	2.63	1.67	1.95	28.93	30.26
Farmers Cotton Oil Company.....	13	8.85	9.78	4.00	3.93	4.31	4.98	35.78	37.39
Fidelity Chemical Corporation.....	14	10.29	10.85	3.50	3.44	3.71	3.92	34.30	34.89
Hope Fertilizer Company.....	12	10.41	10.27	3.67	3.58	3.08	3.23	34.53	34.09
Kerens Cotton Oil Company.....	4	10.50	10.92	3.75	3.39	3.75	4.30	35.85	35.20
Longview Cotton Oil Company.....	21	9.81	10.62	3.14	3.01	2.95	4.61	31.03	33.29
Marshall Cotton Oil Company.....	15	9.47	10.15	3.27	3.23	3.00	3.91	31.29	33.01
Meridian Fertilizer Factory.....	85	10.37	11.65	3.22	3.00	3.11	3.59	32.29	33.31
Oil Mill and Fertilizer Works.....	11	9.64	10.19	3.27	3.26	3.27	3.69	31.85	32.97
Palestine Oil Mill and Fertilizer Company.....	83	10.51	10.87	3.52	3.43	3.49	3.92	34.40	34.91
Pate Brothers.....	34	9.59	10.52	3.48	3.45	3.41	4.13	32.95	34.82
Pelican Fertilizer Works.....	3	10.00	11.13	3.00	2.99	2.33	3.20	29.80	32.19
Pick Fertilizer Service, Inc.....	2	15.00	14.69	5.00	4.41	5.00	5.68	49.00	46.50
Pittsburg Cotton Oil Company.....	36	10.25	10.81	3.50	3.50	3.00	3.21	33.40	34.37
Planters Fertilizer and Chemical Company.....	5	12.40	12.80	3.44	3.48	3.80	3.69	36.66	37.21
Thomas Self.....	1	12.00	11.46	3.00	3.05	3.00	3.21	33.00	32.85
Shreveport Fertilizer Works.....	15	10.20	10.87	2.87	2.92	3.27	3.45	30.49	31.72
Swift & Company.....	124	10.42	10.89	3.52	3.47	3.64	3.91	34.49	35.16
Temple Cotton Oil Company.....	3	10.67	10.18	3.33	2.91	3.33	2.96	33.43	30.32
Terrell Oil and Refining Co.....	8	10.50	11.42	3.25	3.36	3.00	3.13	32.45	34.27
Tri-State Fertilizer Company.....	10	10.80	10.83	3.30	2.57	3.10	3.14	33.18	29.61
Virginia-Carolina Chemical Company.....	39	10.87	10.79	3.05	3.05	2.95	3.28	31.84	32.09
Waldo Fertilizer Company.....	13	10.85	10.96	3.39	3.38	3.15	3.76	33.76	34.58

ANALYSIS OF FERTILIZERS, 1925-26

Table 7 contains a list of the samples of fertilizer subjected to analysis in the season beginning September 1, 1925. Analyses below guarantee are brought out in heavy type. Practically all the samples of fertilizer were collected by our inspectors. Analyses and inspection were made by S. E. Asbury, Waldo Walker, J. E. Teague, R. E. Brooke, and Gideon W. Smith.

REGISTRATIONS, 1925-26

A list of brands registered for sale in the season 1925-26 is given in Table 8. Many of the brands so registered were sold in lots of a few sacks, or were not sold in the State.

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.

SULPHUR AND GYPSUM AS FERTILIZER

We are unable to recommend the use of sulphur or gypsum as a fertilizer in Texas. The experiments which have been carried out do not show satisfactory results from using such materials under Texas conditions.

GREEN SAND MARL

Extensive deposits of green sand marl are found in Texas, and from time to time attempts are made to exploit some deposit commercially. Most of these deposits are low in plant food. A deposit of green sand marl containing much more plant food than usual is found near San Antonio. One sample of this marl was found to contain 100 pounds total phosphoric acid and 18 pounds acid-soluble potash in a ton. It does not contain any available phosphoric acid or any water-soluble potash, and so cannot be compared directly with a commercial fertilizer. A liberal valuation of this marl would be less than \$2.00 a ton. While such deposits could be used locally at the rate of several tons to the acre if they could be dug up and applied at a low cost per ton, their content of plant food is too low for commercial purposes.

FERTILIZER ANALYSES TO BE SOLD IN 1926-27

Some changes have been made in the analyses to be placed on the market next season. The analysis 12-4-0 was substituted for 10-4-0 and 12-3-0. The 16-8-12, 8-7-0 and 7-5-5 fertilizers were dropped on account of sales being very low in quantity. For 15-4-11-5 was substituted 15-5-5. There were added 10-4-7 and 10-3-8, chiefly for sale in the Rio Grande Valley and southern Gulf

Coast. The analyses of mixed fertilizer which will be sold are as follows: 8-3-3, 8-3-5, 8-4-4, 8-4-6, 9-6-3, 10-2-2, 10-3-3, 10-3-8, 10-4-2, 10-4-7, 10-6-7, 12-0-4, 12-2-2, 12-3-3, 12-4-0, 12-4-4, 15-0-6, 15-5-5, 18-6-6.

INFORMATION CONCERNING USE OF FERTILIZER

Information regarding the nature and use of fertilizer is contained in Bulletin 167, which will be sent free on application. Considerable changes have taken place since the bulletin was written, however. Circular 31 discusses the use of the standard formulas, but as four of these formulas have been dropped, it has been considered wise to give below revised recommendations, with some additional ones.

General Considerations on the Use of Fertilizers

Fertilizers supply the three forms of plant food most necessary for growing crops, namely, phosphoric acid, nitrogen, and potash. For best results, other conditions should be favorable, such as soil in good physical condition, a well prepared seed bed, good seed, good cultivation, and a good legume rotation. Nitrogen is the most expensive plant food, and for this reason the amount of fertilizers used generally does not supply all the nitrogen required by the crop. A cropping system which includes the regular growing of legumes, such as clover, cowpeas, or peanuts, to be turned under or grazed off, should be followed for the purpose of securing nitrogen from the air. Such a system also adds humus to the soil, utilizes time and labor to better advantage, aids in destroying insect pests and plant diseases, and has other favorable effects.

What fertilizers to use depends upon the kind of soil, the climate, the crop, how long the soil has been in cultivation, whether or not it has grown legumes to be turned under or grazed off, what the soil will produce without fertilizer, and other condition.

Old soils, or sandy soils generally, need more nitrogen than new soils or clay soils. Soils having a legume rotation need less nitrogen than those cropped continuously to non-legumes.

Clay soils and soils with clay or loam subsoils need little potash in Texas for ordinary farm crops, but light sandy soils with sandy subsoils may need potash. Larger amounts of fertilizer may be profitably used on crops with a high acre value, such as fruit or truck crops, than on ordinary farm crops. The fertilizer on cotton may profitably be twice as much as that used on corn.

Best results are secured by well-balanced plant food in the soil. An excess of nitrogen and a sufficiency of potash is shown by the production of a heavy stalk or vine, with a deficiency of fruit or delayed maturity. If such land has not been fertilized, the best fertilizer to use is 200 to 400 pounds acid phosphate to the acre. This will frequently (but not always) promote fruiting. If a fertilizer has been used, the remedy is to decrease the percentage of nitrogen and to increase the percentage of phosphoric acid in subsequent applications. The percentage of potash may also be decreased.

Excess of nitrogen in the soil with truck crops may also produce rapid growth but soft tissues which do not stand up well under shipment. Large

fruits, such as strawberries, may be produced which are not firm enough to ship well. Lettuce, cabbage, and similar crops may not be firm enough to stand shipment. Increased quantities of potash will not benefit softness caused by excess of nitrogen.

Excess of nitrogen renders plants more liable to attack by some disease. Excess of nitrogen also delays maturity. Excess potash, like excess nitrogen, delays maturity of the crop. A well-balanced fertilizer should be selected, due consideration being given to the soil, the crop, the character of growth, and other conditions.

How and When to Apply

Fertilizer is generally to be applied under the seed at the time of planting. It should not touch the seed but should be from one to three inches below it. A combined planter and fertilizer distributor may be used.

Fertilizer may also be placed in the ground not more than three weeks before planting. If applied too early, there is danger of loss of plant food by fixation or leaching.

Applications of more than 500 pounds fertilizer to the acre are best made partly in the drill and partly broadcast.

In dry sections, where the soil above the seed is liable to dry out, the fertilizer may be applied deep enough to be on the firm ground at the side of the seed. Sometimes it may be advisable to put it in when the land is bedded, in sections where there is little danger of loss by leaching.

How Much to Apply

Farmers not experienced in the use of fertilizer should begin with moderate amounts, 200 to 400 pounds to the acre for cotton or corn and 400 to 500 pounds for truck crops. Larger amounts may be tried on a small scale and larger amounts then used if these trials appear to justify it. The approximate amounts to use are indicated below.

Side Dressings

More than one application of fertilizer is not usually recommended for cotton or corn. Under exceptional conditions, more than one application may be made for cotton or corn. These would include (1) when more than 600 pounds to the acre are used (2) when the plants appear to be suffering from deficiency of available plant food, particularly nitrogen (3) if the weather in the spring has been excessively wet, so as to cause considerable leaching (4) on deep sandy soil where the plant food is likely to leach out.

Side dressings of cotton or corn with nitrate of soda or sulphate of ammonia are not generally to be recommended, but may be used when the fertilizer applied at planting does not contain enough nitrogen, or on deep sandy soil where there may be considerable loss from leaching. Under such conditions, 100 pounds per acre nitrate of soda or sulphate of ammonia may be applied to cotton just after the first chopping.

Side dressings are frequently applied to truck crops. In such case a complete

fertilizer is applied before or at the time of planting, and one or more side dressings of sulphate of ammonia or nitrate of soda made afterwards. The reason for this procedure is that there is little danger of loss of phosphoric acid or potash by leaching, while soluble nitrogen is much more easily lost in this way.

FERTILIZERS FOR EAST TEXAS

The soils of East Texas as a general rule respond well to fertilizers, and the recommendations made here apply chiefly to this section of the State. Many of the soils are sandy, low in phosphoric acid and nitrogen, usually better supplied with potash, but sometimes low. The heavier soils and the bottom lands are much better supplied with plant food.

FERTILIZERS FOR THE BLACK LANDS

The heavy black limestone soils of Central Texas do not at present respond well to fertilizers. Sometimes fertilizers give good results, but frequently they do not, and in some cases they give results one year and no results the next. These soils appear to need vegetable matter first, such as is supplied by well rotted manure, by legume crops turned under or grazed off or by winter cover crops.

Sandy lands in this section will probably respond to fertilizer, though little has been used on them.

FERTILIZERS FOR WEST TEXAS

Some of the lighter soils of West Texas are low in phosphoric acid and potash, and fertilizers will probably be needed in this section of the State as time goes on. In fact, fertilizers have already been used with good results in some sections. Some of the soils of West Texas contain no more plant food than those of East Texas, but it is probable that plants root deeper and have more soil to feed upon, so that the plant is able to secure more plant food than from the corresponding soil in the east.

When fertilizers are used in Texas west of the black land section, it is suggested that somewhat lower amounts be used than is recommended for East Texas, unless the land is irrigated. Also, unless the land is irrigated, care should be taken that the fertilizer is in the firm dirt in which the plant grows, not in the loose earth which is likely to dry out.

FERTILIZERS FOR THE RIO GRANDE VALLEY

The soils of this section are generally well supplied with plant food, especially with potash. When the soils are new, they may contain an excess of nitrogen, and tend to produce a heavy growth of stalk or leaves, with deficiency of fruit. Acid phosphate is the best fertilizer to use in such soils, where there is reason to believe an abundance of nitrogen is present.

When placed under cultivation, these soils are likely to need nitrogen first, as the nitrogen is most readily exhausted. As it is desirable to avoid an excess of nitrogen, low proportions of nitrogen should be used at first. These soils are high in potash, and are less likely to need potash than the East Texas

soils, which are lower in potash. However, some potash may be used, especially since the cropping is heavy, but there is no need for the percentage of potash to exceed the percentage of nitrogen.

Our suggestion at present for these soils would be to begin with acid phosphate if the vegetative growth is very heavy. Follow with 12-3-3, or begin with this if vegetative growth is not excessive. Then 18-6-6, or 15-5-5 or 12-4-4, which contains the plant food in the same proportions, would be suggested. In the course of time one would reach such truck fertilizers as 8-4-4, 9-6-3 and 10-6-7.

FERTILIZER FOR GULF COASTAL PLAINS

There is considerable variation in the soils of the Gulf Coastal Plains. Some of the soils in the southern section are very sandy, and somewhat low in plant food. They should have about the same fertilizers as the sandy land of East Texas. Most of the soils are heavier and better supplied with plant food than the very sandy soils. The fertilizers suggested are the same as for the corresponding soils of East Texas.

Some of the soils of the Gulf Coastal Plains are poorly drained. They should be well drained and placed in good condition before any fertilizer is used.

SUGGESTIONS FOR USE OF FERTILIZER ON VARIOUS CROPS

The recommendations given below represent the best present information and will be modified from time to time, as more experimental data are accumulated, and further practical experience is secured.

Cotton

Loam soils with clay or sandy clay subsoils, such as Susquehanna, Lufkin, Orangeburg, or similar soils. If 200 to 400 pounds are used, 12-4-0 or 10-4-2; if over 400 pounds are to be used, 10-4-2 or 12-3-3 or 8-4-4 or 12-4-4.

Deep sandy soil, such as Norfolk sand. If 200 to 300 pounds or more are to be used, 12-3-3 or 12-4-4; if 300 to 400 pounds or more are to be used, 12-3-3 or 12-4-4 or 8-4-4. However, these are not good cotton and corn soils and are better adapted to vegetables.

Land which produces an excessive stalk and does not produce fruit well, chiefly bottom land: use 200 to 400 pounds of 18 per cent or 16 per cent acid phosphate.

Black waxy land, such as Houston black clay or other heavy black limestone soils of Central Texas. A legume rotation is needed most of all. Fertilizers are uncertain. A trial may be made of 200 to 300 pounds of 12-4-0 or 12-4-4 or 100 to 200 pounds nitrate of soda or sulphate of ammonia, or 100 pounds acid phosphate and 100 pounds nitrate of soda.

Alfalfa

Soil recently put in alfalfa: use 200 to 600 pounds acid phosphate.

Soil in cultivation six years or longer (best to rotate) use 200 to 600 pounds acid phosphate or 200 to 800 pounds 15-0-6 or 12-0-4.

Soils poor in lime should receive lime; see Bulletin 243.

Asparagus

Apply 10 to 12 tons well rotted manure and 500 to 800 pounds to the acre of an 8-4-4 fertilizer when setting out the plants. If the manure is not available, 600 to 900 pounds of the fertilizer could be used. Every spring apply 400 to 600 pounds 8-4-4. Just before the cutting season is over, or soon after, apply 200 to 400 pounds 8-4-4. Two top dressings of nitrate of soda to the acre of 100 pounds to the acre, applied in the spring would also be advisable in many cases.

Beans (garden) and Peas (garden or English)

An application of 300 to 500 pounds 12-4-4 or 12-3-3 is suggested for trial.

Beets, Cabbage, Carrots, Lettuce, Squash and Turnips

From 500 to 1,000 pounds 8-4-4 or 12-4-4 (18-6-6 or 15-5-5) may be used and supplemented by three top dressings of 50 to 100 pounds nitrate of soda or sulphate of ammonia, ten days to two weeks apart, beginning when the plants have begun to make a good growth. Excessive application of nitrogen and too rapid growth will impair the shipping quality.

The nitrate of soda or sulphate of ammonia should be sprinkled along the row, three or four inches from the plants or applied broadcast after the dew has dried off or applied just before cultivation.

Citrus Trees

We have as yet no experiments on citrus trees in Texas on which to base recommendations for fertilizer. According to Bulletin 145 of the California Experiment Station, nitrogen is chiefly needed, and is best supplied in well rotted manure. Excess of nitrogen may cause mottle leaf.

Farmers Bulletin 1343 of the United States Department of Agriculture recommends three applications for young trees. The first should be made early in the spring, the second in summer, the third in September. For the first two applications, 12-4-4 is recommended, for the third, 12-2-2. The total amount should be 1 to 2 pounds per tree, increasing a pound a year until trees are 5 or 6 years old.

For bearing trees, three similar applications are recommended, the first two 8-4-4 or 8-4-6, the last one 12-2-2. Bearing trees ten years old should receive 15 to 30 pounds each per year. More fertilizer is used as the trees become larger, large trees receiving 30 to 75 pounds each.

Overfertilized trees become affected with "die-back" especially if an excess of nitrogen is applied. Die-back is also caused by hardpan, alkali or poor drainage. "Mottle leaf" or "freshing," affects poorly nourished trees. It is believed an excess of nitrogen may reduce the shipping quality of the fruit.

The soils on which citrus fruit are grown in Texas are generally higher in potash than either phosphoric acid or nitrogen, and there appears no good reason at present to recommend fertilizers high in potash.

The percentage of potash need not exceed the percentage of nitrogen. The recommendations made by the United States Department of Agriculture perhaps apply to Texas soils.

Corn

Loam or clay soils with clay or sandy clay subsoils, such as Susquehanna, Orangeburg, or similar soils with legume rotation: use 200 to 300 pounds of 18 per cent, or 16 per cent acid phosphate, or 200 to 300 pounds 12-4-0.

Loam or clay soils with clay or sandy clay subsoils, without legume rotation, in cultivation ten years or less: use 200 to 300 pounds 12-4-0 or 10-4-2.

Loam or clay soils with clay or sandy clay subsoils, without legume rotation, in cultivation eleven years or more: use 200 to 300 pounds 12-4-0 or 10-4-2 or 12-3-3.

Deep sandy soil: use 200 to 300 pounds 12-2-2 or 12-3-3. This is not a good corn soil.

Land which produces a heavy stalk but does not produce fruit well: use 200 to 400 pounds 18 per cent or 16 per cent acid phosphate.

Black waxy land (Houston black clay), or heavy limestone land of Central Texas. A legume rotation is needed first. Fertilizers are uncertain. A trial may be made of 200 to 300 pounds of 12-4-0 or 12-4-4.

Cantaloupes or Cucumbers and Squash or Watermelons

On sandy loam soils, if 200 to 300 pounds are used, 12-4-4 or 8-4-4 or 12-4-0. Large applications are to be recommended, such as 300 to 500 pounds of 8-4-4 or 8-4-6. An excess of nitrogen will produce a heavy growth of vine but a deficiency of fruit. The remedy is to use more phosphoric acid or less nitrogen. Well rotted manure should always be used with melons, if possible.

Egg Plant, Mustard, Okra, Peppers and Radishes

An application of 300 to 700 pounds 8-4-4 or 8-4-6 is suggested for trial.

Figs

Recommendations for fertilizers for figs depend upon the nature of the soil and the size of the trees. For small trees on heavy black soil, 200 to 300 pounds to the acre of 12-4-0 fertilizer is suggested. As the trees grow larger, the quantity of fertilizer should be increased to 600 to 1,000 pounds or even more to the acre. These soils contain a good amount of potash, but figs have such a high value to the acre that it is well to use some potash when the trees come into bearing. It would then be well to replace 200 or more pounds of the 12-4-0 fertilizer by an equal amount of 9-6-3 or 8-4-4 fertilizer.

The fertilizer should be applied in the spring after danger of frost is past, and harrowed in. Weeds should be kept down, especially around young trees. Otherwise the fertilizer may help the weeds to grow and thereby hold back the trees.

If the soil is quite sandy, 8-4-4 fertilizer would probably be better than 12-4-0.

Onions

The use of 400 to 800 pounds of 8-4-4 or 10-4-2 or 9-6-3 is suggested, supplemented with one to three dressings of 100 pounds nitrate of soda or sulphate of ammonia at intervals of 10 to 15 days after the plants have begun to make rapid growth in the spring.

Peach Trees

Loam soils with clay or sandy clay subsoils, such as Orangeburg, Susquehanna, or similar types: use 200 to 600 pounds per acre 12-4-0 or 10-4-2.

When bearing, in addition, 200 pounds or more 9-6-3 or 8-4-4 increasing the quantity as the trees grow older.

Deep sandy soil, such as Norfolk sand: use 200 to 600 pounds 12-4-0 or 12-4-4. On clay soils, bottom lands, use 200 to 600 pounds 12-4-0 or 9-6-3.

Potatoes, Sweet

Loam or sandy loam soils with clay or sandy loam subsoils: From 300 to 600 pounds, 12-4-4 or 8-4-4 may be used.

Deep sandy soil: Use 200 to 500 pounds, 8-4-4 or 8-4-6 or 12-3-3. Excess of nitrogen will produce excessive growth of vine and a deficiency of potatoes.

Potatoes, Irish

On loam or sandy loam soils, 300 to 800 pounds 8-4-4 or 12-4-4 or 8-4-6 are suggested. In East Texas 500 to 800 pounds of 8-4-4 or 9-6-3 may be used.

Rice

Land which produces a heavy straw, when rice straw ashes are returned to the soil: use 200 to 300 pounds acid phosphate 18 per cent or 16 per cent.

Land which produces heavy straw, when rice straw ashes are wasted: use 200 to 300 pounds 15-0-6 or 12-0-4.

Land in cultivation several years, yields decreasing and straw short: Results at the Beaumont Station show that 100 to 150 pounds sulphate of ammonia applied when rice is half grown gives best results. If there is reason to believe phosphoric acid is needed, 100 to 200 pounds acid phosphate 18 per cent or 16 per cent applied before planting may be used, supplemented by 150 to 250 pounds sulphate of ammonia when rice is half grown.

Strawberries

An application of 300 to 500 pounds 8-4-4 or 12-4-4 may be made at the time of setting out the plants. In the spring following the setting of the plants, an early application of the same fertilizer should be used in about the same quantity, put as near the row as convenient, and worked into the soil lightly. An application of nitrate of soda, or sulphate of ammonia at the rate of 100 pounds to the acre may be applied at the time plants begin to bloom. This may be used as a top dressing, after the dew has dried off of the plants, as it

will stick to the plants and burn them if applied while they are damp. If the weather remains too damp, the nitrate of soda can be sprinkled between the rows. Excessive applications of nitrogen may produce a soft berry which does not ship well. Some growers prefer all nitrogen to be in the form of cottonseed meal or other organic matter. The best fertilizer to use must be decided by experience. Some growers prefer to apply all the fertilizer early in the fall.

Tomatoes

Loam soils with clay or sandy clay subsoils, such as Susquehanna, or Orangeburg, if 300 to 500 pounds are used, 10-4-2 or 12-3-3 or 12-4-4 or 8-4-4; if 500 to 1,000 pounds, 8-4-4 or 10-4-2 or 9-6-3. Less than 500 pounds of fertilizer may be supplemented by 100 to 200 pounds nitrate of soda if there is no tendency to excessive growth of vine.

Deep sandy soil, such as Norfolk sand: If 200 to 500 pounds are used, 8-4-4 or 8-4-6 or if 500 to 1,000 pounds are used 8-4-6. Less than 500 pounds of fertilizer may be supplemented by 100 to 200 pounds nitrate of soda if there is no tendency to excessive growth of vine.

Land which produces an excessive vine: 200 to 400 pounds acid phosphate 18 per cent or 16 per cent. It is also important to prune the vines, and on good land, good tomatoes can often be secured without fertilizer. Suckers should be removed every week, beginning a week after the plants are set out and continuing until a week after the top is pinched off. The top is pinched off as soon as the third cluster is formed. Another method of pruning is to allow the first sucker to come out to form a fork, and prune off all others. The top of the main stalk is pinched off immediately after the third cluster of fruit is formed, and the sucker is pinched off immediately after the second cluster is formed on it. According to New Hampshire Research Bulletin 28, excess of potash delays maturity of tomatoes, phosphoric acid hastens maturity.

FERTILIZER FOR HOME GARDENS

The tendency with home gardens is to apply large quantities of manure, without sufficient applications of phosphoric acid or potash. This results in an unbalanced condition of the plant food in the soil. The best fertilizer to apply under such conditions would be 200 to 400 pounds acid phosphate alone, or 15-0-6 fertilizer. Where applications of manure have been made only in moderate amounts, 300 to 600 pounds 12-4-4 (15-5-5 or 18-6-6) would probably be excellent. If lighter applications of manure are made, or none at all, 400 to 800 pounds 8-4-4 or 8-4-6 would be suggested, and top dressings with nitrate of soda or sulphate of ammonia might also be tried.

SUMMARY

This bulletin contains a report of the Texas Fertilizer Control for 1925-26 and information regarding the use of fertilizer.

Sales of fertilizer in Texas were 121,747 tons in 1925-26. In 1924-25 they were 97,719 tons.

The sales of mixed fertilizer in 1925-26 were confined to little more than 21 analyses, and sales of 5 of these was less than 81 tons each.

The average selling prices and composition of the different analyses is given.

Available phosphoric acid costs less in 20 per cent acid phosphate than in 18 per cent or 16 per cent. Kainit was entirely too expensive a source of potash in Texas. Nitrogen costs much less in sulphate of ammonia than in cottonseed meal or nitrate of soda.

Plant food costs less per pound in the more concentrated fertilizers than in those containing less, though the former costs more per ton: A pound of plant food cost most in the 10-2-2 fertilizer, the 8-3-3 came next and the 12-2-2 third.

The use of sulphur or gypsum as a fertilizer is not recommended for Texas.

Green sand marl does not contain enough plant food to be sold as a fertilizer, though some of it could be used locally if it could be mined and applied at a cost of about a dollar a ton.

Most of the fertilizer sold next year will be of the following analyses: 8-3-3, 8-3-5, 8-4-4, 8-4-6, 9-6-3, 10-2-2, 10-3-3, 10-3-8, 10-4-2, 10-4-7, 10-6-7, 12-0-4, 12-3-3, 12-4-0, 12-4-4, 15-0-6, 15-5-5, 18-6-6.

Information is given regarding fertilizers, and suggestions are made for the fertilization of various crops in Texas.

The 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 for the season of 1925-26.

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent	Valuation—Per Ton
	American Agricultural Chemical Co., St. Louis, Mo.—				
	A. A. 16% Acid Phosphate—Guarantee	16.00			\$19.20
31911	Analysis	15.68			18.82
31937	Analysis	16.12			19.34
31827	Analysis	16.37			19.64
31872	Analysis	15.96			19.15
	A. A. 18% Acid Phosphate—Guarantee	18.00			21.60
32261	Analysis	18.75			22.50
31873	Analysis	18.05			21.66
	A. A. 20% Acid Phosphate—Guarantee	20.00			24.00
31910	Analysis	20.22			24.26
	A. A. Coon Brand Fertilizer—Guarantee	10.00	3.00	3.00	30.60
31875	Analysis	9.17	2.74	2.84	28.11
	A. A. Sickle Fertilizer—Guarantee	12.00	3.00	3.00	33.00
31826	Analysis	11.99	2.75	2.76	31.45
31870	Analysis	11.86	2.62	3.22	31.19
31874	Analysis	11.74	2.58	3.01	30.60
	A. A. Triumph Fertilizer—Guarantee	12.00	4.00	4.00	39.20
31829	Analysis	11.18	3.78	3.83	36.92
31869	Analysis	11.41	3.69	4.20	37.18
31871	Analysis	11.22	3.72	4.34	37.27
31936	Analysis	11.90	3.97	3.87	38.77
32262	Analysis	10.42	3.87	3.62	36.19
	Kainit—Guarantee			12.40	14.88
31828	Analysis			15.32	18.38
	Arkansas Fertilizer Co., Little Rock, Arkansas—				
	White Diamond Acid Phosphate—Guarantee	16.00			19.20
31951	Analysis	16.31			19.57
31963	Analysis	16.02			19.22
31965	Analysis	15.80			18.96
	White Diamond Blood and Bone—Guarantee	10.00	2.00	2.00	24.40
31952	Analysis	10.31	1.86	1.84	23.88
31966	Analysis	11.98	2.48	1.84	28.99
	White Diamond Bove-All Acid Phosphate—Guarantee	18.00			21.60
31843	Analysis	18.12			21.74
31959	Analysis	17.71			21.25
31962	Analysis	18.04			21.65
	White Diamond Cottonseed Meal Fertilizer—Guarantee				32.90
31721	Analysis		6.58		32.30
31960	Analysis		6.46		33.10
31964	Analysis		6.62		33.80
	White Diamond Crop Getter—Guarantee	12.00	4.00	4.00	39.20
31841	Analysis	11.58	3.57	4.31	36.92
31953	Analysis	11.38	3.88	3.98	37.84
31973	Analysis	11.58	3.83	4.29	38.20
	White Diamond Early Boll—Guarantee	10.00	3.00	3.00	30.60
31842	Analysis	10.99	2.42	2.17	27.89
31968	Analysis	10.04	3.05	3.04	30.95
32178	Analysis	10.62	3.16	2.96	32.09
	White Diamond Jack Rabbit—Guarantee	8.00	4.00	6.00	36.80
31954	Analysis	8.81	2.85	7.16	33.41
	White Diamond Moore's Special Mixture—Guarantee	10.00	4.00	2.00	34.40
31972	Analysis	9.84	4.32	2.44	36.34
	White Diamond Old Reliable—Guarantee	8.00	4.00	4.00	34.40
31971	Analysis	7.96	3.76	5.92	35.45
	Armour Fertilizer Works, Houston, Ft. Worth, Texas, and New Orleans, La.—				
	Armour's Big Crop African Cotton Grower—Guarantee	10.00	3.00	3.00	30.60
31640	Analysis	10.77	2.58	3.37	29.86
31648	Analysis	10.16	2.77	2.92	29.54
31744	Analysis	10.47	2.76	2.93	29.88
31867	Analysis	10.56	2.94	3.07	31.05
31945	Analysis	9.87	2.92	3.11	30.17
31981	Analysis	10.16	3.28	3.28	32.53
32200	Analysis	9.92	3.03	3.25	30.95

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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, Ft. Worth, Texas, and New Orleans, La.—Continued.				
	Armour's Big Crop Best Phosphate—Guarantee.....	18.00			\$21.60
31691	Analysis.....	18.89			22.67
31741	Analysis.....	19.02			22.82
31760	Analysis.....	19.93			23.92
31789	Analysis.....	17.82			21.38
31978	Analysis.....	18.51			22.21
32103	Analysis.....	18.31			21.97
32146	Analysis.....	18.25			21.90
32158	Analysis.....	18.67			22.40
32223	Analysis.....	19.94			23.93
32230	Analysis.....	18.82			22.58
	Armour's Big Crop Extra High Analysis—Guarantee..	15.00	4.11	5.00	44.55
31517	Analysis.....	14.81	3.95	5.00	43.52
31528	Analysis.....	14.78	3.98	5.06	43.71
31639	Analysis.....	15.39	3.86	5.21	44.02
31761	Analysis.....	14.71	4.21	5.21	44.95
31946	Analysis.....	15.17	4.12	5.04	44.85
31996	Analysis.....	15.28	4.41	5.06	46.46
32157	Analysis.....	14.63	4.57	4.85	46.23
32197	Analysis.....	15.02	4.20	4.89	44.89
32222	Analysis.....	14.47	4.24	4.90	44.44
	Armour's Big Crop Farmers' Favorite—Guarantee.....	10.00	2.00	2.00	24.40
31868	Analysis.....	10.03	1.91	2.26	24.30
31995	Analysis.....	10.43	2.20	2.42	26.42
32155	Analysis.....	12.18	2.26	2.27	28.64
32196	Analysis.....	9.74	2.03	2.10	24.31
32217	Analysis.....	10.90	2.78	2.48	29.96
	Armour's Big Crop Fertilizer No. 1042—Guarantee.....	10.00	4.00	2.00	34.40
31555	Analysis.....	10.73	3.88	2.12	34.82
	Armour's Big Crop Fertilizer No. 1226—Guarantee.....	12.00	2.00	6.00	31.60
31433	Analysis.....	12.27	2.15	5.72	32.33
	Armour's Big Crop Fertilizer No. 8334—Guarantee.....	8.00	3.30	4.00	30.90
31436	Analysis.....	8.76	3.37	4.20	32.40
	Armour's Big Crop Fertilizer No. 104948—Guarantee.....	10.00	4.94	8.00	46.30
31438	Analysis.....	10.96	4.69	8.10	46.32
31451	Analysis.....	11.50	5.53	5.78	48.39
	Armour's Big Crop General Crop Maker—Guarantee.....	8.00	4.00	4.00	34.40
31980	Analysis.....	8.99	3.71	3.64	33.71
32138	Analysis.....	8.46	3.83	4.26	34.41
	Armour's Big Crop Nitrate of Soda—Guarantee.....	14.81			74.05
31443	Analysis.....	15.67			78.35
31788	Analysis.....	15.20			76.00
32224	Analysis.....	15.40			77.00
	Armour's Big Crop Onion Fertilizer—Guarantee.....	8.00	3.30	6.00	33.30
31439	Analysis.....	8.38	3.22	5.73	33.04
31460	Analysis.....	8.49	3.10	6.03	32.93
	Armour's Big Crop Phosphate and Nitrogen—Guarantee.....	12.00	3.00		29.40
31554	Analysis.....	12.77	3.00		30.32
	Armour's Big Crop Raw Bone Meal—Guarantee.....	*22.00	3.10		36.10
32154	Analysis.....	*24.53	3.87		38.97
	Armour's Big Crop Star Phosphate—Guarantee.....	16.00			19.20
31728	Analysis.....	17.18			20.62
31743	Analysis.....	16.91			20.29
31905	Analysis.....	16.38			19.66
32084	Analysis.....	17.56			21.07
32134	Analysis.....	16.95			20.34
32135	Analysis.....	17.34			20.81
32140	Analysis.....	16.44			19.73
	Armour's Big Crop Sulphate of Ammonia—Guarantee.....		20.58		102.90
31442	Analysis.....		20.64		103.20
31467	Analysis.....		19.76		98.80
	Armour's Big Crop Sunny South Special—Guarantee.....	12.00	2.00	2.00	26.90
31626	Analysis.....	12.81	2.27	2.74	30.01

*Total Phosphoric Acid.

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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, Ft. Worth, Texas, and New Orleans, La.—Continued.					
	Armour's Big Crop Sunshine Special—Guarantee.....	12.00	3.00	3.00	\$33.00
31503	Analysis.....	12.36	2.77	3.39	32.75
31694	Analysis.....	12.34	2.54	2.91	31.00
	Armour's Big Crop Superphosphate—Guarantee.....	20.00			24.00
31450	Analysis.....	22.66			27.19
31468	Analysis.....	22.01			26.41
31692	Analysis.....	20.26			24.31
31704	Analysis.....	21.71			26.05
31906	Analysis.....	21.00			25.20
	Armour's Big Crop Texas High Analysis—Guarantee.....	12.00	4.00	4.00	39.20
31504	Analysis.....	12.57	3.86	4.40	39.66
31527	Analysis.....	12.92	3.99	4.42	40.75
31553	Analysis.....	12.43	3.82	4.43	39.34
31693	Analysis.....	11.85	3.61	4.56	37.74
31759	Analysis.....	12.14	3.86	4.14	38.84
31979	Analysis.....	12.52	4.08	4.15	40.40
32102	Analysis.....	11.98	4.12	4.27	40.10
32139	Analysis.....	12.09	4.12	4.07	39.99
32153	Analysis.....	12.56	3.96	4.06	39.74
32201	Analysis.....	12.60	4.04	4.02	40.14
32260	Analysis.....	12.41	4.02	4.03	39.83
	Armour's Big Crop Texas Trucker—Guarantee.....	8.00	3.00	3.00	28.20
31462	Analysis.....	10.01	2.61	2.79	28.41
31556	Analysis.....	8.99	2.85	2.88	29.50
31742	Analysis.....	8.65	2.74	2.98	27.66
32133	Analysis.....	8.48	3.39	2.73	30.41
32136	Analysis.....	9.09	2.98	3.22	29.67
	Armour's Big Crop Truck Special—Guarantee.....	8.00	4.00	6.00	36.80
31466	Analysis.....	8.50	4.15	6.22	38.41
31516	Analysis.....	8.54	3.75	6.10	36.32
31529	Analysis.....	8.22	3.92	5.73	36.25
32137	Analysis.....	8.50	3.99	5.85	37.17
	Armour's Kainit—Guarantee.....			12.40	14.88
32104	Analysis.....			12.51	15.01
Guy Ater, Bertram, Texas—					
	Bat Guano Compost—Guarantee.....	8.00	2.00	2.00	22.00
32120	Analysis.....	12.29	2.50	3.01	30.86
Geo. L. Barber, Jacksonville, Texas—					
	Barber's Nitrate of Soda—Guarantee.....		15.00		75.00
32071	Analysis.....		15.77		78.85
32076	Analysis.....		15.13		75.65
Barrett Co., Sales Agents, New York, N. Y.—					
	Sulphate of Ammonia—Guarantee.....		20.50		102.50
31465	Analysis.....		20.92		104.60
Berryman Fertilizer Works, Palestine, Texas—					
	Bo's Best—Guarantee.....	12.00	4.00	4.00	39.20
32088	Analysis.....	13.30	4.01	3.74	40.50
	Bo's Corn and Truck Special—Guarantee.....	8.00	4.00	4.00	34.40
32087	Analysis.....	10.18	3.98	4.43	37.44
	Bo's Sandy Land Special—Guarantee.....	10.00	4.00	2.00	34.40
32086	Analysis.....	11.75	4.15	2.55	37.92
	Bo's Texas King—Guarantee.....	10.00	3.00	3.00	30.60
31628	Analysis.....	11.32	3.00	3.76	33.09
32085	Analysis.....	11.37	3.02	3.40	32.82
32208	Analysis.....	10.76	2.79	2.96	30.41

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 & Fertilizer Co., Bryan, Texas—					
	Star Brand Acid Phosphate—Guarantee.....	16.00			\$19.20
31890	Analysis.....	17.26			20.71
31892	Analysis.....	18.38			22.06
	Star Brand Cotton and Corn Fertilizer—Guarantee.....	10.00	2.00	2.00	24.40
31889	Analysis.....	11.64	2.06	2.36	27.10
	Star Brand Potato Fertilizer—Guarantee.....	12.00	3.00		29.40
31888	Analysis.....	13.03	3.03		30.79
	Star Brand Special Fertilizer—Guarantee.....	12.00	3.00	3.00	33.00
31891	Analysis.....	12.17	2.82	3.48	32.88
Farmers' Cotton Oil Co., Winnsboro, Texas—					
	Sixteen Per Cent Acid Phosphate—Guarantee.....	16.00			19.20
31605	Analysis.....	18.13			21.76
	Eighteen Per Cent Acid Phosphate—Guarantee.....	18.00			21.60
32332	Analysis.....	18.88			22.66
	Meal Mixture Fertilizer No. 755—Guarantee.....	7.00	5.00	5.00	39.40
31604	Analysis.....	8.44	4.63	5.01	39.28
32008	Analysis.....	8.10	4.93	5.60	41.09
32263	Analysis.....	8.05	4.61	5.12	38.85
	Meal Mixture Fertilizer No. 844—Guarantee.....	8.00	4.00	4.00	34.40
31603	Analysis.....	9.51	3.86	5.12	36.85
32011	Analysis.....	8.84	3.92	5.21	36.46
32265	Analysis.....	8.86	4.16	4.55	36.89
	Meal Mixture Fertilizer No. 846—Guarantee.....	8.00	4.00	6.00	36.80
31602	Analysis.....	9.12	3.71	6.36	37.12
32010	Analysis.....	8.91	4.20	7.25	40.39
	Meal Mixture Fertilizer No. 1033—Guarantee.....	10.00	3.00	3.00	30.60
31601	Analysis.....	11.57	2.81	3.81	32.62
32009	Analysis.....	11.21	3.14	3.92	33.85
32264	Analysis.....	10.39	3.28	3.83	33.47
	Meal Mixture Fertilizer No. 1244—Guarantee.....	12.00	4.00	4.00	39.20
32012	Analysis.....	12.00	4.07	4.67	40.35
32266	Analysis.....	12.10	3.83	4.33	38.87
Fidelity Chemical Corporation, Houston, Texas—					
	Fidelity 8-4-6 Fertilizer—Guarantee.....	8.00	4.00	6.00	36.80
31453	Analysis.....	10.05	2.83	6.70	34.25
31455	Analysis.....	10.06	3.33	5.52	35.34
	Fidelity 10-3-3 Fertilizer—Guarantee.....	10.00	3.00	3.00	30.60
31458	Analysis.....	10.19	2.94	3.69	31.36
	Fidelity 10-4-2 Fertilizer—Guarantee.....	10.00	4.00	2.00	34.40
31454	Analysis.....	10.55	4.05	2.26	35.62
32128	Analysis.....	10.21	3.88	2.63	34.81
	Fidelity 10-6-7 Fertilizer—Guarantee.....	10.00	6.00	7.00	50.40
32124	Analysis.....	10.86	6.00	5.30	49.39
	Fidelity 12-2-2 Fertilizer—Guarantee.....	12.00	2.00	2.00	26.80
32130	Analysis.....	11.34	2.06	2.48	26.57
	Fidelity 12-3-3 Fertilizer—Guarantee.....	12.00	3.00	3.00	33.00
31457	Analysis.....	12.11	2.96	3.02	32.95
	Fidelity 12-4-4 Fertilizer—Guarantee.....	12.00	4.00	4.00	39.20
31456	Analysis.....	12.30	4.09	4.06	40.08
32127	Analysis.....	12.08	4.08	4.00	39.70
32165	Analysis.....	11.96	4.34	4.54	41.50
	Fidelity 16% Acid Phosphate—Guarantee.....	16.00			19.20
31751	Analysis.....	16.40			19.68
	Fidelity 18% Acid Phosphate—Guarantee.....	18.00			21.60
31636	Analysis.....	19.56			23.47
31752	Analysis.....	18.40			22.08
32097	Analysis.....	18.04			21.65
32126	Analysis.....	16.83			20.20
32131	Analysis.....	18.39			22.07
	Fidelity 20% Acid Phosphate—Guarantee.....	20.00			24.00
31750	Analysis.....	19.36			23.23

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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—Con'td.				
31658	Fidelity Cotton Special Fertilizer—Guarantee.....	10.00	2.00	2.00	\$24.40
32129	Analysis.....	10.43	2.42	2.02	27.04
	Analysis.....	11.38	2.23	2.75	28.11
32125	Fidelity Peerless Trucker Fertilizer—Guarantee.....	8.00	3.00	5.00	30.60
	Analysis.....	8.39	2.91	5.91	31.71
	Ford Motor Co., Detroit, Michigan—				
31449	Ford Ammonium Sulphate—Guarantee.....		20.80		104.00
31459	Analysis.....		21.00		105.00
31904	Analysis.....		20.85		104.25
32192	Analysis.....		20.84		104.20
32305	Analysis.....		20.84		104.20
			21.00		105.00
	Gate City Fertilizer Co., Little Rock, Arkansas—				
32289	Red Ball 20% Acid Phosphate—Guarantee.....	20.00			24.00
	Analysis.....	20.53			24.64
	Hope Fertilizer Co., Hope, Arkansas—				
32000	Stork Brand 10-4-4—Guarantee.....	10.00	4.00	4.00	36.80
	Analysis.....	9.66	4.12	3.71	36.64
32001	Stork Brand 16% Acid Phosphate—Guarantee.....	16.00			19.20
32294	Analysis.....	16.47			19.76
	Analysis.....	20.18			24.22
31961	Stork Brand 18% Acid Phosphate—Guarantee.....	18.00			21.60
32298	Analysis.....	20.02			24.02
	Analysis.....	15.94			19.13
32299	Stork Brand Eight Four Four—Guarantee.....	8.00	4.00	4.00	34.40
	Analysis.....	7.83	4.02	4.01	34.31
31992	Stork Brand Muriate of Potash—Guarantee.....			50.00	60.00
32275	Analysis.....			50.89	61.07
	Analysis.....			50.84	61.01
32273	Stork Brand Nine Six Three—Guarantee.....	9.00	6.00	3.00	44.40
	Analysis.....	9.06	5.05	3.18	39.94
31994	Stork Brand Nitrate of Soda—Guarantee.....			15.00	75.00
	Analysis.....			14.56	72.80
31927	Stork Brand Ten Two Two—Guarantee.....	10.00	2.00	2.00	24.40
32002	Analysis.....	8.96	2.02	2.52	23.87
	Analysis.....	8.79	2.21	2.08	24.10
31976	Stork Brand Ten Three Three—Guarantee.....	10.00	3.00	3.00	30.60
	Analysis.....	10.01	2.88	3.26	30.32
31982	Stork Brand Ten Four Two—Guarantee.....	10.00	4.00	2.00	34.40
32274	Analysis.....	10.12	4.10	2.26	35.35
	Analysis.....	9.59	3.85	2.24	33.45
31999	Stork Brand Twelve Three Three—Guarantee.....	12.00	3.00	3.00	33.00
	Analysis.....	12.37	2.94	3.56	33.81
31928	Stork Brand Twelve Four Four—Guarantee.....	12.00	4.00	4.00	39.20
31991	Analysis.....	12.10	3.82	4.26	38.73
32297	Analysis.....	12.36	3.88	4.35	39.45
	Analysis.....	21.41	4.03	3.38	39.10
	Jefferson Oil Co., Jefferson, Texas—				
32308	Cottonseed Meal Fertilizer—Guarantee.....	1.50	6.58	1.00	35.90
	Analysis.....	2.15	6.80	1.19	38.01
	Kelly Weber & Co., Ltd., Lake Charles, La.—				
32151	18% Acid Phosphate—Guarantee.....	18.00			21.60
	Analysis.....	9.97	3.90	6.45	39.20
	Kerens Cotton Oil Co., Kerens, Texas—				
31674	Navarro Cotton Maker—Guarantee.....	10.00	3.00	3.00	30.60
	Analysis.....	10.40	2.43	4.34	29.84
31673	Navarro General Crop Maker—Guarantee.....	12.00	4.00	4.00	39.20
32229	Analysis.....	12.35	3.54	4.34	37.73
	Analysis.....	12.62	3.87	4.49	39.88
31672	Navarro Sandy Land Fertilizer—Guarantee.....	8.00	4.00	4.00	34.40
	Analysis.....	8.29	3.72	4.01	33.36

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 Co., Longview, Texas—					
	Fertilizer Cottonseed Meal—Guarantee.....	1.00	6.88	1.00	\$36.80
31785	Analysis.....	2.21	7.16	1.52	40.07
31967	Analysis.....	2.23	7.16	1.24	39.97
	Longview 15% Nitrate of Soda—Guarantee.....		15.00		75.00
31811	Analysis.....		15.25		76.25
	Longview 18% Acid Phosphate—Guarantee.....	18.00			21.60
31585	Analysis.....	18.52			22.22
31777	Analysis.....	18.82			22.58
31784	Analysis.....	18.75			22.50
31797	Analysis.....	19.00			22.80
	Longview Corn and Potato Special Fertilizer—Guarantee.....	8.00	3.00	3.00	28.20
31581	Analysis.....	8.83	2.88	4.84	30.81
31587	Analysis.....	8.86	2.83	4.82	30.56
31776	Analysis.....	9.01	3.02	4.33	31.11
32058	Analysis.....	8.94	2.90	4.09	30.14
	Longview Cotton and Corn Special Fertilizer—Guarantee.....	12.00	4.00	4.00	39.20
31583	Analysis.....	11.85	3.74	6.95	41.26
31786	Analysis.....	11.84	3.18	4.52	35.53
31809	Analysis.....	11.41	3.94	4.52	38.81
	Longview Cotton Special Fertilizer—Guarantee.....	10.00	3.00	3.00	33.00
31787	Analysis.....	10.51	2.84	5.57	30.49
31793	Analysis.....	10.66	2.55	5.15	31.72
31813	Analysis.....	10.48	2.77	5.42	32.93
	Longview East Texas Cotton Special Fertilizer—Guarantee.....	10.00	2.00	2.00	24.40
31580	Analysis.....	11.30	1.97	4.13	27.37
31775	Analysis.....	11.25	2.10	3.92	28.70
31794	Analysis.....	11.12	2.16	4.05	29.00
32059	Analysis.....	11.10	2.27	3.37	28.71
32167	Analysis.....	11.03	2.30	3.55	29.00
	Longview Gravelly Special Fertilizer—Guarantee.....	10.00	4.00		32.00
31810	Analysis.....	12.41	3.55		32.64
	Longview Special Fertilizer—Guarantee.....	12.00	3.00	3.00	33.00
31584	Analysis.....	12.75	2.79	4.78	34.99
	Longview Supreme Cotton Grower Fertilizer—Guarantee.....	10.00	4.00	2.00	34.40
31582	Analysis.....	10.66	3.68	4.53	36.63
31774	Analysis.....	10.91	3.34	5.46	36.34
	Longview Truck Special Fertilizer—Guarantee.....	8.00	4.00	6.00	36.80
31586	Analysis.....	8.67	4.35	7.36	40.98
32060	Analysis.....	9.43	4.12	5.40	38.40
Mar-Ater Fertilizer Co., Bertram, San Antonio, Texas—					
	Bat Guano Compost—Guarantee.....	12.00	3.50	3.50	36.10
32121	Analysis.....	12.22	2.99	2.58	32.71
32122	Analysis.....	8.91	3.05	2.71	29.19
Marshall Cotton Oil Co., Marshall, Texas—					
	Marshall Corn and Potato Special—Guarantee.....	8.00	3.00	3.00	28.20
31620	Analysis.....	8.46	2.67	4.31	28.67
32049	Analysis.....	9.75	3.18	3.30	31.56
	Marshall Eclipse Fertilizer—Guarantee.....	10.00	3.00	3.00	30.60
31588	Analysis.....	10.76	2.83	3.85	31.68
32048	Analysis.....	10.47	2.74	3.79	30.81
32314	Analysis.....	10.65	3.34	3.07	33.16
	Marshall Elite Fertilizer—Guarantee.....	12.00	2.00	2.00	26.80
32313	Analysis.....	12.54	1.76	2.39	26.72
	Marshall Garden Fertilizer—Guarantee.....	8.00	4.00	6.00	36.80
31621	Analysis.....	9.08	3.83	7.39	38.92
31625	Analysis.....	8.81	3.68	7.60	38.09

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 Co., Marshall, Texas—Continued.					
	Marshall Regal Fertilizer—Guarantee.....	10.00	2.00	2.00	\$24.40
31589	Analysis.....	10.75	2.30	2.83	27.80
32050	Analysis.....	10.52	2.67	2.68	29.19
	Muriate of Potash—Guarantee.....			50.00	60.00
31939	Analysis.....			48.60	58.32
	Nitrate of Soda—Guarantee.....		15.00		75.00
31619	Analysis.....		14.78		73.90
31940	Analysis.....		15.12		75.60
	Quick Producer Fertilizer—Guarantee.....	10.00	4.00	2.00	34.40
31590	Analysis.....	10.50	3.91	3.33	36.15
31618	Analysis.....	10.55	3.78	4.19	36.59
32047	Analysis.....	10.45	4.02	2.54	35.69
32312	Analysis.....	10.37	4.02	2.06	35.01
	Supreme Acid Phosphate—Guarantee.....	18.00			21.60
31941	Analysis.....	18.25			21.90
	Tucker's Delight—Guarantee.....	8.00	4.00	4.00	34.40
31591	Analysis.....	8.65	3.68	5.26	35.09
Meridian Fertilizer Factory, Shreveport, La.—					
	Kainit—Guarantee.....			12.40	14.88
31756	Analysis.....			12.42	14.90
31818	Analysis.....			12.02	14.42
31924	Analysis.....			12.78	15.34
32061	Analysis.....			12.76	15.31
	Meridian Caddo Mixture—Guarantee.....	10.00	2.00	2.00	24.40
31925	Analysis.....	11.10	1.78	3.03	25.86
	Meridian Golden West—Guarantee.....	12.00	2.00	2.00	26.00
32108	Analysis.....	12.44	1.89	2.67	27.58
	Meridian Great Western—Guarantee.....	12.00	3.00	3.00	33.00
31524	Analysis.....	14.34	2.94	3.90	36.59
31595	Analysis.....	12.86	3.00	3.96	35.18
31655	Analysis.....	12.61	2.84	3.94	34.06
31659	Analysis.....	12.48	2.94	3.46	33.83
31687	Analysis.....	12.07	2.86	3.36	32.82
31779	Analysis.....	11.81	1.96	3.00	27.57
31852	Analysis.....	13.17	2.82	3.49	34.09
31922	Analysis.....	12.77	3.06	3.42	34.72
32045	Analysis.....	12.08	3.36	3.30	35.26
32309	Analysis.....	13.22	2.78	3.88	34.42
	Meridian Home Mixture—Guarantee.....	10.00	2.00	2.00	24.40
31512	Analysis.....	11.56	1.97	2.68	26.94
31564	Analysis.....	11.43	2.10	2.27	26.94
31594	Analysis.....	11.53	2.41	3.15	29.67
31641	Analysis.....	10.91	1.79	2.85	25.46
31660	Analysis.....	10.92	2.02	3.20	27.04
31668	Analysis.....	11.19	1.88	2.88	26.29
31686	Analysis.....	10.47	2.48	2.39	27.83
31746	Analysis.....	10.83	1.69	2.52	24.47
31758	Analysis.....	10.70	1.87	2.42	25.09
31782	Analysis.....	10.05	1.56	2.99	23.45
31801	Analysis.....	10.93	1.64	2.89	24.79
31832	Analysis.....	11.43	2.14	2.61	27.55
31860	Analysis.....	11.46	2.00	2.55	26.91
32030	Analysis.....	13.91	1.27	1.71	25.09
32046	Analysis.....	11.66	1.84	2.52	26.21
32092	Analysis.....	11.60	2.01	2.58	27.07
32109	Analysis.....	11.38	1.48	2.47	24.02
32160	Analysis.....	11.89	2.00	2.33	27.04
32311	Analysis.....	12.71	2.28	2.62	29.79
	Meridian Improved Acid Phosphate—Guarantee.....	20.00			24.00
31487	Analysis.....	20.79			24.95
31689	Analysis.....	20.05			24.06
32234	Analysis.....	18.78			22.54

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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, La.—Continued.				
	Meridian Magnolia State Formula—Guarantee.....	8.00	4.00	4.00	\$34.40
31800	Analysis.....	10.51	3.00	6.29	35.16
32029	Analysis.....	10.91	3.35	5.08	35.94
32123	Analysis.....	9.73	3.76	4.56	35.95
	Meridian Perfect Guano—Guarantee.....	10.00	3.00	3.00	30.60
31532	Analysis.....	13.14	3.35	4.80	38.28
31698	Analysis.....	10.64	2.88	3.46	31.32
31745	Analysis.....	10.57	2.66	3.18	29.80
31768	Analysis.....	11.16	2.71	4.22	32.00
31817	Analysis.....	11.26	2.86	3.32	31.79
31835	Analysis.....	10.64	2.79	3.67	31.12
32031	Analysis.....	11.48	3.00	3.44	32.91
32077	Analysis.....	11.23	3.00	3.42	32.58
32171	Analysis.....	11.00	3.13	3.58	33.15
32323	Analysis.....	11.09	3.40	3.06	33.98
	Meridian Perfection Acid Phosphate—Guarantee.....	18.00			21.60
31507	Analysis.....	19.05			22.86
31578	Analysis.....	20.14			24.17
31688	Analysis.....	18.90			22.68
31780	Analysis.....	18.30			21.96
32032	Analysis.....	18.77			22.52
32062	Analysis.....	18.65			22.38
32159	Analysis.....	18.82			22.58
32190	Analysis.....	18.09			21.71
32321	Analysis.....	19.06			22.87
	Meridian Perfection Compound—Guarantee.....	12.00	4.00	4.00	39.20
31491	Analysis.....	13.33	3.93	4.02	41.26
31510	Analysis.....	12.97	3.58	4.26	38.57
31522	Analysis.....	13.12	3.11	3.21	35.14
31533	Analysis.....	12.43	3.53	3.48	36.75
31697	Analysis.....	12.25	3.46	4.00	36.80
31709	Analysis.....	12.45	3.59	4.34	38.10
31781	Analysis.....	12.42	3.79	3.56	38.12
31799	Analysis.....	13.65	3.63	4.10	39.45
31819	Analysis.....	12.70	3.57	4.14	38.06
31833	Analysis.....	13.00	3.66	4.22	38.96
31859	Analysis.....	13.29	4.03	4.12	41.04
32075	Analysis.....	11.72	3.13	4.16	34.70
32100	Analysis.....	11.85	3.26	3.60	34.84
32189	Analysis.....	13.04	3.52	4.20	38.29
32206	Analysis.....	12.15	4.28	3.77	40.50
32220	Analysis.....	12.22	3.69	3.88	37.77
32325	Analysis.....	12.90	3.67	5.01	39.84
	Meridian Raw Bone Mixture—Guarantee.....	10.00	2.00	2.00	24.40
31534	Analysis.....	12.51	2.11	2.83	28.96
31778	Analysis.....	10.67	1.80	2.72	25.06
	Meridian Southern Standard—Guarantee.....	10.00	4.00	2.00	34.40
31508	Analysis.....	12.35	3.66	2.65	36.30
31523	Analysis.....	11.97	3.40	2.79	34.71
31535	Analysis.....	12.58	3.27	3.45	35.59
31563	Analysis.....	11.43	3.70	2.07	34.70
31579	Analysis.....	10.54	4.09	2.85	36.52
31657	Analysis.....	11.21	3.75	2.56	35.27
31699	Analysis.....	11.82	3.85	2.52	36.45
31710	Analysis.....	10.36	3.74	4.21	36.18
31802	Analysis.....	11.03	3.56	3.03	34.68
31834	Analysis.....	11.31	3.85	2.88	36.28
31923	Analysis.....	10.95	3.92	2.98	36.32
32043	Analysis.....	10.61	3.63	3.40	34.96
	Meridian Special Mixture—Guarantee.....	10.00	4.00		32.00
31711	Analysis.....	11.41	3.66		31.99

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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, La.—Continued.					
	Meridian Truckers Special—Guarantee.....	8.00	4.00	6.00	\$36.80
31461	Analysis.....	9.89	3.94	7.24	40.26
31511	Analysis.....	10.33	4.10	6.57	40.78
31593	Analysis.....	10.16	3.55	6.34	37.55
31656	Analysis.....	10.67	3.41	7.02	38.27
31783	Analysis.....	9.83	3.73	6.02	37.67
31856	Analysis.....	10.66	3.55	5.44	37.07
31857	Analysis.....	9.97	3.51	6.02	36.73
32150	Analysis.....	10.30	3.75	4.30	36.27
32184	Analysis.....	11.53	3.62	3.88	36.60
	Meridian Union Special Acid Phosphate—Guarantee.....	16.00			19.20
31492	Analysis.....	17.10			20.52
31577	Analysis.....	19.05			22.86
31690	Analysis.....	18.07			21.68
31769	Analysis.....	17.85			21.42
31861	Analysis.....	19.90			23.88
32074	Analysis.....	18.25			21.90
32191	Analysis.....	19.12			22.94
32235	Analysis.....	20.35			24.42
32310	Analysis.....	17.68			21.22
32324	Analysis.....	19.09			22.91
	Nitrate of Soda—Guarantee.....		15.00		75.00
31596	Analysis.....		15.52		77.60
32329	Analysis.....		15.79		78.95
Munger Oil and Cotton Co., Mexia, Texas—					
	Munger Fertilizer Cottonseed Meal—Guarantee.....	2.00	6.88	1.25	38.30
32225	Analysis.....	2.45	7.36	1.25	41.24
Nitrate Agencies Co., New Orleans, La.—					
	Nitrate of Potash and Soda—Guarantee.....		14.00	12.40	84.88
31638	Analysis.....		14.82	14.02	90.92
	Nitrate of Soda—Guarantee.....		15.00		75.00
31444	Analysis.....		15.87		79.35
31853	Analysis.....		15.27		76.35
31956	Analysis.....		15.54		77.70
31998	Analysis.....		15.44		77.20
32003	Analysis.....		15.67		78.35
32006	Analysis.....		15.10		75.50
32035	Analysis.....		15.12		75.60
32163	Analysis.....		15.44		77.20
32176	Analysis.....		15.11		75.55
32185	Analysis.....		15.46		77.30
32296	Analysis.....		15.88		79.40
32301	Analysis.....		15.67		78.35
Oil Mill and Fertilizer Works, Henderson, Texas—					
	Henderson Acid Phosphate—Guarantee.....	16.00			19.20
31569	Analysis.....	16.14			19.37
	Henderson Best Phosphate—Guarantee.....	20.00			24.00
31566	Analysis.....	19.51			23.41
	Henderson Corn Grower—Guarantee.....	10.00	4.00	2.00	34.40
32065	Analysis.....	10.08	4.18	2.56	36.07
	Henderson Favorite Phosphate—Guarantee.....	18.00			21.60
31567	Analysis.....	18.13			21.76
32069	Analysis.....	17.68			21.22
	Henderson Nitrate of Soda—Guarantee.....		15.00		75.00
32319	Analysis.....		15.13		75.65
	Henderson Potato Grower—Guarantee.....	8.00	4.00	6.00	36.80
31568	Analysis.....	9.00	3.81	6.24	37.34
	Henderson Sandy Land—Guarantee.....	12.00	4.00	4.00	39.20
32068	Analysis.....	12.25	4.06	4.94	40.93

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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—Cont'd.				
	Henderson Special—Guarantee.....	10.00	3.00	3.00	\$30.60
31565	Analysis.....	10.37	3.10	3.79	32.49
32064	Analysis.....	10.40	3.22	3.18	32.40
32318	Analysis.....	11.31	2.87	3.12	31.66
32322	Analysis.....	10.96	3.10	3.37	32.69
	Henderson Standard—Guarantee.....	10.00	2.00	2.00	24.40
32067	Analysis.....	10.35	2.10	2.50	25.92
32320	Analysis.....	9.59	2.25	2.34	25.57
	Henderson Truck—Guarantee.....	8.00	4.00	4.00	34.40
32066	Analysis.....	8.87	3.33	4.33	32.49
32317	Analysis.....	8.87	3.88	4.19	35.07
	Palestine Oil Mill and Fertilizer Co., Palestine, Texas—				
	Corn and Cotton Special—Guarantee.....	10.00	4.00	2.00	34.40
31538	Analysis.....	11.09	3.79	2.99	35.85
31548	Analysis.....	10.76	3.53	2.93	34.08
31753	Analysis.....	10.48	3.73	2.38	34.09
31822	Analysis.....	10.78	4.02	2.82	36.42
31839	Analysis.....	11.10	3.62	2.59	34.53
31914	Analysis.....	10.44	3.76	3.22	35.19
31935	Analysis.....	10.60	3.80	2.81	35.09
32004	Analysis.....	10.93	4.11	2.71	36.92
32083	Analysis.....	10.44	3.32	2.08	31.63
32212	Analysis.....	10.81	3.70	2.60	34.59
32219	Analysis.....	10.14	4.04	2.58	35.47
32326	Analysis.....	10.37	4.08	2.28	35.58
	Cottonseed Meal Fertilizer—Guarantee.....	1.00	6.88	1.00	36.80
31486	Analysis.....	2.08	7.01	1.27	39.07
32204	Analysis.....	2.08	7.00	1.06	38.77
	Garden Special—Guarantee.....	8.00	3.00	5.00	30.60
31916	Analysis.....	8.48	2.94	3.86	29.51
	New Ground Special—Guarantee.....	12.00	3.00	.....	29.40
31549	Analysis.....	12.31	2.91	.....	29.32
	Palestine Cotton Producer—Guarantee.....	10.00	2.00	2.00	24.40
31537	Analysis.....	10.33	2.23	2.52	26.57
31545	Analysis.....	9.46	2.26	3.59	26.96
31650	Analysis.....	10.56	2.42	2.79	28.12
31652	Analysis.....	10.66	2.42	2.47	27.85
31703	Analysis.....	10.45	2.09	2.69	26.22
31731	Analysis.....	9.36	2.20	2.62	25.37
32079	Analysis.....	10.32	2.43	2.37	27.37
32091	Analysis.....	12.07	2.30	2.58	29.08
32116	Analysis.....	9.32	2.37	2.52	26.05
	Palestine Deep Sandy—Guarantee.....	12.00	4.00	4.00	39.20
31631	Analysis.....	12.64	3.95	4.55	40.38
31670	Analysis.....	13.18	4.13	4.22	41.53
31702	Analysis.....	12.39	3.54	4.68	38.19
31717	Analysis.....	12.62	3.63	4.72	38.95
31733	Analysis.....	12.01	4.04	4.05	39.47
31736	Analysis.....	12.01	3.66	4.96	38.66
31821	Analysis.....	12.16	4.03	4.21	39.79
31840	Analysis.....	13.42	3.76	4.53	40.34
31919	Analysis.....	12.99	3.89	3.63	39.40
32078	Analysis.....	13.74	4.00	4.75	42.19
32089	Analysis.....	12.19	4.18	4.43	40.85
32101	Analysis.....	12.22	4.06	5.10	41.08
32115	Analysis.....	11.59	3.61	4.12	36.90
32205	Analysis.....	12.09	3.84	3.78	38.25
32214	Analysis.....	12.23	4.09	5.39	41.60
32228	Analysis.....	12.99	3.96	3.96	40.14
	Palestine Jumbo Fertilizer—Guarantee.....	18.00	6.00	6.00	58.80
31632	Analysis.....	17.61	6.46	6.35	61.05

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 Mill and Fertilizer Co., Palestine, Texas—Continued.					
	Palestine Low Land Fertilizer—Guarantee.....	12.00	3.00	3.00	\$33.00
31651	Analysis.....	10.93	2.96	3.65	32.30
31653	Analysis.....	11.49	2.75	3.48	31.72
32106	Analysis.....	10.56	3.32	3.78	33.81
	Palestine Muriate of Potash—Guarantee.....			50.00	60.00
31546	Analysis.....			55.35	66.42
31629	Analysis.....			56.15	67.38
	Palestine Nitrate of Soda—Guarantee.....		15.00		75.00
31485	Analysis.....		14.91		74.55
32215	Analysis.....		15.08		75.40
	Palestine Perfection—Guarantee.....	9.00	6.00	3.00	44.40
31920	Analysis.....	11.10	4.97	3.92	42.87
	Palestine Prolific Fertilizer—Guarantee.....	12.00	2.00	2.00	26.80
31934	Analysis.....	12.14	2.36	2.38	29.23
	Palestine Queen Fertilizer—Guarantee.....	15.00	4.11	5.00	44.55
31633	Analysis.....	17.06	5.03	6.55	53.48
32218	Analysis.....	13.51	3.77	5.66	41.85
	Palestine Sandy Land—Guarantee.....	10.00	3.00	3.00	30.60
31634	Analysis.....	10.89	3.22	3.53	33.41
31642	Analysis.....	9.39	2.98	3.78	30.71
31643	Analysis.....	8.73	2.73	3.82	28.71
31644	Analysis.....	9.48	3.32	3.54	32.23
31645	Analysis.....	9.20	2.63	3.63	28.55
31723	Analysis.....	10.15	2.84	3.28	30.32
31730	Analysis.....	9.55	2.81	3.40	29.59
31732	Analysis.....	9.87	2.99	3.50	30.99
31734	Analysis.....	9.17	3.23	4.08	32.05
31754	Analysis.....	10.39	2.82	3.34	30.58
31757	Analysis.....	10.08	3.08	3.51	31.71
31858	Analysis.....	10.60	2.71	3.18	30.09
31915	Analysis.....	10.48	3.08	3.75	32.48
31933	Analysis.....	10.45	3.00	3.31	31.91
32211	Analysis.....	10.88	2.73	2.96	30.26
	Palestine Sixteen Per Cent Phosphate—Guarantee.....	16.00			19.20
31536	Analysis.....	16.00			19.20
31547	Analysis.....	16.40			19.68
31649	Analysis.....	17.22			20.66
31762	Analysis.....	18.67			22.40
31823	Analysis.....	16.37			19.64
32216	Analysis.....	16.16			19.39
32221	Analysis.....	16.14			19.37
	Palestine Sulphate of Ammonia—Guarantee.....		20.00		100.00
32199	Analysis.....		20.46		102.30
	Palestine Superior Fertilizer—Guarantee.....	16.00	8.00	12.00	73.60
31718	Analysis.....	14.93	7.50	12.42	70.32
	Palestine Tomato and Cabbage Special—Guarantee.....	8.00	4.00	4.00	34.40
31539	Analysis.....	7.86	3.63	4.89	33.45
31671	Analysis.....	9.09	3.30	4.85	34.31
31720	Analysis.....	9.12	3.70	4.23	34.52
31735	Analysis.....	8.15	3.76	3.91	33.27
31737	Analysis.....	8.52	3.85	4.37	34.71
31912	Analysis.....	10.07	4.18	4.36	38.21
32213	Analysis.....	8.27	4.00	4.16	34.91
	Palestine Trucker—Guarantee.....	7.00	5.00	5.00	39.40
32005	Analysis.....	9.32	4.36	4.95	38.92
	Palestine Vegetable Fertilizer—Guarantee.....	8.00	3.00	3.00	28.20
31544	Analysis.....	7.91	3.25	3.95	30.48
31719	Analysis.....	9.19	3.21	3.31	31.05
	Palestine Watermelon Special—Guarantee.....	8.00	4.00	6.00	36.80
31543	Analysis.....	8.57	4.02	5.59	37.09
31654	Analysis.....	8.24	3.43	5.71	33.89
31755	Analysis.....	8.42	3.92	6.30	37.26
31913	Analysis.....	8.16	3.78	6.86	36.92
32090	Analysis.....	8.84	3.50	4.12	33.05

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 Mill and Fertilizer Co., Palestine, Texas—Continued.					
	Phosphate and Potash Mixture—Guarantee.....	12.00		4.00	\$19.20
31918	Analysis.....	12.95		4.29	20.69
	Potash and Phosphate Mixture—Guarantee.....	15.00		6.00	25.20
31917	Analysis.....	15.45		5.71	25.39
32203	Analysis.....	15.20		5.73	25.08
	Ribbon Cane Special—Guarantee.....	8.00	7.00		44.60
31630	Analysis.....	9.82	5.27		38.13
	Sandy Land Vegetable—Guarantee.....	10.00	6.00	7.00	50.40
31921	Analysis.....	8.82	5.60	6.41	46.27
Pate Brothers, Sulphur Springs, Texas—					
	Pate's 7-5-5—Guarantee.....	7.00	5.00	5.00	39.40
31617	Analysis.....	8.76	4.70	5.50	40.61
31887	Analysis.....	7.90	4.77	6.40	41.01
	Pate's 8-3-3—Guarantee.....	8.00	3.00	3.00	28.20
31885	Analysis.....	11.01	2.94	3.64	32.28
31943	Analysis.....	10.12	3.04	3.15	31.22
32269	Analysis.....	9.22	3.09	3.67	30.91
	Pate's 8-3-5—Guarantee.....	8.00	3.00	5.00	30.60
31611	Analysis.....	9.31	3.22	4.90	33.25
	Pate's 8-4-4—Guarantee.....	8.00	4.00	4.00	34.40
31610	Analysis.....	8.77	4.04	5.00	36.72
31880	Analysis.....	8.49	3.84	5.49	35.98
31907	Analysis.....	8.12	3.60	4.54	33.27
32026	Analysis.....	7.10	3.81	4.96	33.52
	Pate's 8-4-6—Guarantee.....	8.00	4.00	6.00	36.80
31609	Analysis.....	8.71	4.02	6.47	38.31
31944	Analysis.....	10.63	4.08	6.46	40.91
31983	Analysis.....	7.69	4.34	6.83	39.33
	Pate's 10-2-2—Guarantee.....	10.00	2.00	2.00	24.40
31615	Analysis.....	11.96	2.25	2.48	28.58
31879	Analysis.....	10.81	2.16	3.08	27.47
32270	Analysis.....	11.72	2.16	2.46	27.81
	Pate's 10-3-3—Guarantee.....	10.00	3.00	3.00	30.60
31614	Analysis.....	11.38	2.90	3.68	32.58
31876	Analysis.....	10.04	3.17	3.78	32.44
31883	Analysis.....	10.58	2.80	3.86	31.33
31898	Analysis.....	12.01	2.76	3.59	32.52
31942	Analysis.....	11.35	3.07	3.23	32.85
32271	Analysis.....	11.21	3.22	3.75	34.05
	Pate's 10-4-2—Guarantee.....	10.00	4.00	2.00	34.40
31608	Analysis.....	10.75	3.82	3.50	36.20
31886	Analysis.....	10.34	3.50	3.28	33.85
31984	Analysis.....	11.10	4.14	3.11	37.75
31989	Analysis.....	10.94	3.68	2.85	34.95
31990	Analysis.....	10.44	4.15	3.37	37.32
	Pate's 12-2-2—Guarantee.....	12.00	2.00	2.00	26.80
31613	Analysis.....	12.88	1.96	2.78	28.60
	Pate's 12-3-3—Guarantee.....	12.00	3.00	3.00	33.00
31616	Analysis.....	12.98	2.81	3.22	33.49
31884	Analysis.....	12.12	2.98	3.54	33.69
	Pate's 12-4-4—Guarantee.....	12.00	4.00	4.00	39.20
31612	Analysis.....	13.07	3.75	3.86	39.06
31878	Analysis.....	12.68	3.82	5.52	40.94
31987	Analysis.....	11.11	4.70	4.07	41.71
32023	Analysis.....	12.30	3.94	4.25	39.56
	Pate's Acid Phosphate—Guarantee.....	16.00			19.20
31877	Analysis.....	17.69			21.23
	Pate's 18% Acid Phosphate—Guarantee.....	18.00			21.60
31830	Analysis.....	19.59			23.51
31985	Analysis.....	20.04			24.05
32272	Analysis.....	19.38			23.26
	Pate's Kainit—Guarantee.....			14.00	16.80
31831	Analysis.....			14.75	17.70
	Pate's Sulphate of Ammonia—Guarantee.....		20.00		100.00
32333	Analysis.....		20.76		103.80

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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, Shreveport, La.—				
31666	Pelican Compound—Guarantee.....	10.00	4.00	2.00	\$34.40
	Analysis.....	11.05	3.83	2.94	35.94
31665	Pelican Perfect Formula—Guarantee.....	10.00	3.00	3.00	30.60
	Analysis.....	11.61	3.10	4.00	34.23
31667	Pelican Star Formula—Guarantee.....	10.00	2.00	2.00	24.40
	Analysis.....	10.75	2.06	2.67	26.40
	Pick Fertilizer Service, Inc., New Orleans, La.—				
32162	Bull Dog Special No. 1244-N—Guarantee.....	12.00	4.00	4.00	39.20
	Analysis.....	11.01	3.08	4.92	34.51
32161	Bull Dog Special No. 1866-N—Guarantee.....	18.00	6.00	6.00	58.80
	Analysis.....	18.38	5.74	6.44	58.49
32164	Muriate of Potash—Guarantee.....			50.00	60.00
	Analysis.....			50.28	60.34
	Pittsburg Cotton Oil Co., Pittsburg, Texas—				
31600	18% Acid Phosphate—Guarantee.....	18.00			21.60
31714	Analysis.....	20.66			24.79
32025	Analysis.....	18.23			21.88
32259	Analysis.....	18.95			22.74
	Analysis.....	18.09			21.71
32016	Half Meal and Half Phosphate—Guarantee.....	9.00	3.00		25.80
32281	Analysis.....	10.02	3.57		29.87
	Analysis.....	9.98	3.67		30.33
32277	Manure Salts—Guarantee.....			20.00	24.00
	Analysis.....			18.94	22.73
31599	Meal and Phosphate Fertilizer No. 844—Guarantee.....	8.00	4.00	4.00	34.40
31724	Analysis.....	9.34	3.82	3.90	34.99
31903	Analysis.....	9.44	3.70	4.02	34.65
32015	Analysis.....	9.25	3.68	5.17	35.70
32250	Analysis.....	9.25	4.16	4.48	37.28
32256	Analysis.....	9.19	3.94	4.25	35.83
	Analysis.....	8.58	4.24	3.72	35.96
31597	Meal and Phosphate Fertilizer No. 1033—Guarantee.....	10.00	3.00	3.00	30.60
31902	Analysis.....	11.54	3.12	3.76	33.96
31948	Analysis.....	11.67	2.62	3.02	30.72
32013	Analysis.....	10.91	2.70	3.28	30.98
32021	Analysis.....	10.95	3.04	3.47	32.50
32024	Analysis.....	10.61	3.00	2.06	31.28
32174	Analysis.....	10.48	2.72	2.68	29.40
32182	Analysis.....	10.07	2.92	3.62	31.02
32251	Analysis.....	9.84	3.04	3.17	30.81
32292	Analysis.....	9.71	3.01	3.34	30.71
32279	Analysis.....	10.98	2.80	3.15	30.96
	Analysis.....	8.74	3.49	3.52	32.16
32019	Meal and Phosphate Fertilizer No. 1042—Guarantee.....	10.00	4.00	2.00	34.40
32175	Analysis.....	10.17	3.86	2.43	34.42
32177	Analysis.....	11.41	3.85	2.73	36.22
32254	Analysis.....	10.44	3.94	2.39	35.10
32282	Analysis.....	11.14	3.74	2.13	34.63
	Analysis.....	11.57	4.12	3.23	38.36
32020	Meal and Phosphate Fertilizer No. 1233—Guarantee.....	12.00	3.00	3.00	33.00
32179	Analysis.....	11.50	2.89	2.87	31.69
32276	Analysis.....	12.42	2.94	2.82	32.98
	Analysis.....	11.50	3.18	3.07	33.38
31598	Meal and Phosphate Fertilizer No. 1244—Guarantee.....	12.00	4.00	4.00	39.20
31713	Analysis.....	12.44	4.02	4.30	40.19
31901	Analysis.....	12.02	3.93	4.00	38.87
32014	Analysis.....	12.62	3.92	4.26	39.85
32018	Analysis.....	12.07	4.10	4.04	40.31
32022	Analysis.....	11.68	4.00	4.36	39.25
32252	Analysis.....	12.31	3.67	4.21	38.17
32280	Analysis.....	10.83	3.98	4.04	37.75
	Analysis.....	12.11	4.04	4.02	39.55

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 Co., Pittsburg, Texas—Continued.					
	Nitrate of Soda—Guarantee.....		15.00		\$75.00
31715	Analysis.....		15.35		76.75
32255	Analysis.....		15.16		75.80
32258	Analysis.....		15.32		76.60
32278	Analysis.....		15.34		76.70
	One Meal and Two Phosphate—Guarantee.....	11.00	2.00		23.20
32253	Analysis.....	11.80	2.64		27.36
	Prime Cottonseed Meal Fertilizer—Guarantee.....	2.00	6.88	1.00	38.00
31947	Analysis.....	2.04	6.68	1.54	37.70
32017	Analysis.....	2.32	7.20	1.32	40.36
	Sixteen Per Cent Acid Phosphate—Guarantee.....	16.00			19.20
31722	Analysis.....	16.67			20.00
31900	Analysis.....	17.70			21.24
32257	Analysis.....	17.52			21.02
	Slightly Off Cottonseed Meal Fertilizer—Guarantee.....	1.00	6.50	1.00	34.90
31490	Analysis.....	2.65	6.84	1.62	39.32
31747	Analysis.....	2.49	6.52	1.24	37.08
Planters Fertilizer and Chemical Co., Houston, Fort Worth, Texas, and New Orleans, La.—					
	Planters' Plow Brand African Cotton Grower—Guarantee.....	10.00	3.00	3.00	30.60
32039	Analysis.....	10.44	3.07	2.97	31.44
31845	Planters' Plow Brand Best Phosphate—Guarantee.....	18.00			21.60
	Analysis.....	18.88			22.66
31974	Planters' Plow Brand Extra High Analysis—Guarantee.....	15.00	4.11	5.00	44.55
32040	Analysis.....	15.30	4.14	4.55	44.52
	Analysis.....	15.81	3.98	4.78	44.61
	Planters' Plow Brand Farmers' Favorite—Guarantee.....	10.00	2.00	2.00	24.40
32207	Analysis.....	10.28	2.06	2.04	25.09
	Planters' Plow Brand Nitrate of Soda—Guarantee.....		14.81		74.05
32300	Analysis.....		15.61		78.05
	Planters' Plow Brand Star Phosphate—Guarantee.....	16.00			19.20
31515	Analysis.....	17.28			20.74
31836	Analysis.....	17.92			21.50
31997	Analysis.....	17.22			20.66
32041	Analysis.....	17.52			21.02
32132	Analysis.....	18.05			21.66
32195	Analysis.....	16.60			19.92
	Planters' Plow Brand Sulphate of Ammonia—Guarantee.....		20.58		102.90
31844	Analysis.....		20.13		100.65
	Planters' Plow Brand Superphosphate—Guarantee.....	20.00			24.00
31509	Analysis.....	20.78			24.94
31894	Analysis.....	20.67			24.80
	Planters' Plow Brand Texas High Analysis—Guarantee.....	12.00	4.00	4.00	39.20
31975	Analysis.....	12.16	4.17	4.12	40.38
Thomas Self, Crockett, Texas—					
	Crockett Cotton Standard—Guarantee.....	12.00	3.00	3.00	33.00
32096	Analysis.....	11.46	3.05	3.21	32.85
	Crockett 18% Acid Phosphate—Guarantee.....	18.00			31.60
31637	Analysis.....	19.07			22.88
Shreveport Fertilizer Works, Shreveport, La.—					
	Lion Corn Food—Guarantee.....	8.00	3.00	3.00	28.20
31795	Analysis.....	9.23	3.34	1.51	28.59
	Lion Cottonseed Meal Mixture—Guarantee.....	10.00	2.00	2.00	24.40
31531	Analysis.....	10.86	2.05	2.16	25.87
31748	Analysis.....	10.52	1.76	2.35	24.24
31796	Analysis.....	11.37	3.22	2.85	33.16
32028	Analysis.....	10.92	2.93	1.66	29.74
32149	Analysis.....	10.71	2.48	3.24	29.14
	Lion Superfine Acid Phosphate—Guarantee.....	18.00			21.60
31502	Analysis.....	17.56			21.07
32147	Analysis.....	19.44			23.33

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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, La.—Continued					
	Lion Superior Cotton Grower—Guarantee	12.00	4.00	4.00	\$39.20
31530	Analysis	13.26	3.72	4.34	39.72
31695	Analysis	12.15	3.60	3.61	36.91
	Lion Superior Meal Formula—Guarantee	10.00	3.00	3.00	30.60
32027	Analysis	7.24	3.39	2.80	29.00
32042	Analysis	10.01	3.26	4.61	33.84
	Lion Superphos Potash—Guarantee	15.00	.....	6.00	25.20
32148	Analysis	14.25	.....	7.18	25.72
	Lion Tomato Special—Guarantee	8.00	4.00	6.00	36.80
31551	Analysis	11.17	3.45	4.05	35.51
31696	Analysis	8.54	3.32	4.75	32.55
	Lion Xtrafine Mixture—Guarantee	10.00	4.00	2.00	34.40
31552	Analysis	10.62	4.05	3.35	37.01
31749	Analysis	12.23	3.23	3.33	34.83
	Lion Xtragood Acid Phosphate—Guarantee	16.00	.....	.....	19.20
31550	Analysis	17.23	.....	.....	20.68
31926	Analysis	14.07	.....	.....	16.88
32007	Analysis	16.68	.....	.....	20.02
32283	Analysis	18.82	.....	.....	22.58
32295	Analysis	18.64	.....	.....	22.37
Swift & Co., Harvey, Shreveport, La., Houston, Texas—					
	Atlantic 10-3-3—Guarantee	10.00	3.00	3.00	30.60
32172	Analysis	10.70	3.19	3.04	33.04
	Atlantic 12-4-4—Guarantee	12.00	4.00	4.00	39.20
32173	Analysis	12.61	4.15	4.16	40.87
	Swift's High Grade Acid Phosphate Fertilizer 16%—Guarantee	16.00	.....	.....	19.20
31514	Analysis	17.29	.....	.....	20.75
31540	Analysis	16.76	.....	.....	20.11
31764	Analysis	18.58	.....	.....	22.30
31770	Analysis	17.38	.....	.....	20.86
31798	Analysis	17.84	.....	.....	21.41
31931	Analysis	17.80	.....	.....	21.36
32107	Analysis	17.51	.....	.....	21.01
32227	Analysis	16.99	.....	.....	20.39
32288	Analysis	17.22	.....	.....	20.66
	Swift's Kainit—Guarantee	.....	.....	12.40	14.88
31708	Analysis	.....	.....	12.90	15.48
31766	Analysis	.....	.....	12.75	15.30
31790	Analysis	.....	.....	15.85	19.02
32169	Analysis	.....	.....	15.48	18.58
32286	Analysis	.....	.....	13.82	16.58
	Swift's Muriate of Potash—Guarantee	.....	.....	50.00	60.00
31957	Analysis	.....	.....	50.11	60.13
	Swift's Nitrate of Soda—Guarantee	.....	14.81	.....	74.05
31791	Analysis	.....	15.64	.....	78.20
31814	Analysis	.....	15.78	.....	78.99
31932	Analysis	.....	15.28	.....	76.40
	Swift's Onion Grower—Guarantee	7.00	3.70	3.00	30.50
31437	Analysis	7.31	3.77	3.27	31.54
31447	Analysis	7.01	3.52	3.30	29.97
	Swift's Red Steer 7-5-5—Guarantee	7.00	5.00	5.00	39.40
31771	Analysis	7.93	4.46	5.18	38.04
	Swift's Red Steer 8-3-3—Guarantee	8.00	3.00	3.00	28.20
31481	Analysis	8.43	3.02	3.52	29.44
31488	Analysis	8.76	3.01	3.50	29.76
32142	Analysis	8.92	3.25	3.16	30.74
	Swift's Red Steer 8-3.29-6—Guarantee	8.00	3.29	6.00	33.25
31446	Analysis	8.20	3.28	6.48	34.02

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(continued)

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid—Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent	Valuation—Per Ton
	Swift & Co., Harvey, Shreveport, La., Houston, Texas—Continued.				
	Swift's Red Steer 8-4-4—Guarantee.	8.00	4.00	4.00	\$34.40
31463	Analysis.	8.88	3.83	4.37	35.05
31499	Analysis.	9.16	4.08	4.24	36.48
31573	Analysis.	9.44	3.58	3.82	35.81
31676	Analysis.	8.58	3.89	3.87	34.29
31706	Analysis.	9.18	3.65	4.29	34.42
31792	Analysis.	8.33	3.94	4.13	34.66
31807	Analysis.	8.38	3.96	4.53	35.30
31881	Analysis.	8.15	4.05	4.16	35.02
	Swift's Red Steer 8-4-6—Guarantee.	8.00	4.00	6.00	36.80
31469	Analysis.	8.78	3.88	6.14	37.31
31470	Analysis.	8.37	3.91	5.68	36.41
31473	Analysis.	8.94	3.61	6.92	37.08
31474	Analysis.	8.78	3.80	6.23	37.02
31478	Analysis.	8.77	3.91	5.55	36.73
31479	Analysis.	8.41	4.04	6.48	38.07
32141	Analysis.	8.46	3.75	6.06	36.19
	Swift's Red Steer 10-2-2—Guarantee.	10.00	2.00	2.00	24.40
31675	Analysis.	10.03	1.93	2.25	24.39
31767	Analysis.	10.95	2.10	2.10	26.16
31938	Analysis.	9.95	2.44	2.43	27.06
32052	Analysis.	11.82	1.75	2.11	25.46
32093	Analysis.	10.08	2.52	2.23	27.38
32114	Analysis.	10.49	2.08	2.34	25.80
32145	Analysis.	10.66	2.16	2.07	26.07
32226	Analysis.	10.33	2.20	2.50	26.40
32240	Analysis.	10.81	2.21	2.38	26.88
32246	Analysis.	10.04	2.06	2.90	25.83
32287	Analysis.	10.25	2.21	2.35	26.17
32316	Analysis.	11.04	2.04	2.14	26.02
	Swift's Red Steer 10-3-3—Guarantee.	10.00	3.00	3.00	30.60
31480	Analysis.	10.16	2.99	3.44	31.27
31482	Analysis.	10.59	3.00	3.29	31.66
31542	Analysis.	10.78	2.84	3.51	31.35
31576	Analysis.	10.95	3.13	3.32	32.77
31624	Analysis.	10.04	2.87	3.04	30.05
31646	Analysis.	10.95	2.90	3.16	31.43
31661	Analysis.	10.52	3.00	3.20	31.46
31707	Analysis.	10.37	2.94	3.21	30.99
31866	Analysis.	11.40	2.85	3.36	31.96
31899	Analysis.	10.44	2.92	3.50	31.33
31930	Analysis.	10.36	2.88	3.30	30.79
32038	Analysis.	10.87	2.90	3.29	31.49
32094	Analysis.	10.30	3.13	3.28	31.95
32170	Analysis.	10.68	2.96	3.26	31.53
32239	Analysis.	10.33	3.13	3.38	31.11
32247	Analysis.	10.53	3.00	3.39	31.71
32291	Analysis.	10.38	3.04	3.35	31.68
32307	Analysis.	10.37	3.00	3.26	31.35
32328	Analysis.	10.44	3.28	3.27	32.85
32330	Analysis.	10.67	3.08	3.05	31.86
	Swift's Red Steer 10-4-0—Guarantee.	10.00	4.00	.....	32.00
31541	Analysis.	8.52	4.16	.....	31.02
	Swift's Red Steer 10-4-2—Guarantee.	10.00	4.00	2.00	34.40
31489	Analysis.	11.13	2.27	2.40	27.59
31560	Analysis.	11.57	3.46	1.96	33.53
31812	Analysis.	10.74	3.79	2.42	34.74
31988	Analysis.	10.05	4.05	2.56	35.58
32306	Analysis.	10.17	4.05	2.66	35.64
32327	Analysis.	10.54	3.81	2.47	34.66
	Swift's Red Steer 10-5.75-7—Guarantee.	10.00	5.75	7.00	49.15
31434	Analysis.	10.23	5.27	7.80	47.99
31448	Analysis.	10.45	5.89	7.00	50.39

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(continued)

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid—Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent	Valuation—Per Ton
Swift & Co., Harvey, Shreveport, La., Houston, Texas—Continued.					
	Swift's Red Steer 10-6-7—Guarantee.	10.00	6.00	7.00	\$50.40
31464	Analysis.	10.53	5.62	7.30	49.50
31475	Analysis.	10.42	5.60	7.09	49.01
31622	Analysis.	10.90	5.89	7.30	51.29
31664	Analysis.	10.29	4.88	6.72	44.81
32143	Analysis.	10.62	5.65	7.44	49.92
32210	Analysis.	10.36	5.62	6.72	48.59
	Swift's Red Steer 12-0-4—Guarantee.	12.00	3.00	4.00	19.20
31929	Analysis.	13.36	3.16	4.18	21.05
	Swift's Red Steer 12-2-2—Guarantee.	12.00	2.00	2.00	26.80
31472	Analysis.	12.51	2.10	2.42	28.41
31476	Analysis.	12.12	1.96	2.48	27.32
31680	Analysis.	12.21	1.94	2.45	27.29
32118	Analysis.	12.31	2.36	2.35	29.39
	Swift's Red Steer 12-3-0—Guarantee.	12.00	3.00	3.00	29.40
31498	Analysis.	12.22	3.17	3.17	30.51
31513	Analysis.	12.19	3.16	3.16	30.43
	Swift's Red Steer 12-3-3—Guarantee.	12.00	3.00	3.00	33.00
31483	Analysis.	11.83	3.06	3.20	33.34
31518	Analysis.	12.17	3.16	3.51	34.61
31663	Analysis.	12.10	3.05	3.35	33.79
31678	Analysis.	11.46	3.08	3.47	33.31
32105	Analysis.	12.07	3.00	4.66	35.07
32231	Analysis.	12.67	3.12	3.51	35.01
	Swift's Red Steer 12-4-4—Guarantee.	12.00	4.00	4.00	39.20
31452	Analysis.	12.22	4.02	4.17	39.76
31477	Analysis.	12.04	3.88	4.70	39.49
31484	Analysis.	12.03	4.00	3.92	39.14
31500	Analysis.	10.87	4.47	5.02	41.41
31561	Analysis.	12.35	3.88	4.18	39.24
31571	Analysis.	12.23	3.95	4.26	39.54
31572	Analysis.	12.32	3.75	4.39	38.80
31574	Analysis.	12.69	3.75	4.39	39.25
31592	Analysis.	12.64	3.89	4.25	39.72
31623	Analysis.	12.98	3.73	3.84	38.84
31647	Analysis.	12.41	3.79	3.76	38.35
31662	Analysis.	11.97	3.82	4.32	38.64
31677	Analysis.	12.46	3.79	4.13	37.86
31705	Analysis.	12.00	3.87	4.52	39.17
31765	Analysis.	11.79	3.73	4.97	38.76
31772	Analysis.	12.71	3.87	4.31	39.77
31808	Analysis.	12.52	4.13	4.19	40.70
31816	Analysis.	12.96	3.49	3.88	37.66
31882	Analysis.	12.59	4.10	4.38	40.87
31896	Analysis.	12.71	3.83	3.98	39.18
31955	Analysis.	12.96	4.11	4.04	40.95
31986	Analysis.	12.46	4.18	4.09	40.76
32037	Analysis.	12.14	3.92	4.21	39.22
32051	Analysis.	12.77	4.07	4.02	40.49
32070	Analysis.	12.28	4.18	4.56	41.11
32095	Analysis.	11.64	4.70	4.61	43.00
32113	Analysis.	12.18	4.02	4.31	39.89
32119	Analysis.	12.62	4.10	3.59	39.95
32198	Analysis.	12.42	4.16	5.03	41.74
32202	Analysis.	11.99	3.89	5.41	40.33
32209	Analysis.	12.48	3.90	4.01	39.29
32241	Analysis.	12.25	3.97	4.14	39.42
32248	Analysis.	12.27	4.26	4.54	41.47
32267	Analysis.	12.74	3.90	3.76	38.30
32290	Analysis.	11.59	4.06	4.06	39.08
32331	Analysis.	12.69	4.00	3.82	39.81

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(continued.)

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid—Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent	Valuation—Per Ton
	Swift & Co., Harvey, Shreveport, La., Houston, Texas—Continued.				
31471	Swift's Red Steer 15-0-6—Guarantee.....	15.00		6.00	\$25.20
	Analysis.....	16.38		5.72	26.52
	Swift's Red Steer 18% Acid Phosphate Fertilizer—Guarantee.....	18.00			21.60
31562	Analysis.....	18.62			22.34
31575	Analysis.....	19.60			23.52
31679	Analysis.....	19.17			23.00
31763	Analysis.....	19.64			23.57
31773	Analysis.....	18.93			22.72
31815	Analysis.....	19.57			23.48
31865	Analysis.....	20.25			24.30
31958	Analysis.....	19.71			23.65
32245	Analysis.....	18.26			21.91
32268	Analysis.....	17.30			20.76
32304	Analysis.....	18.68			22.42
31441	Analysis.....	19.83			23.80
	Swift's Red Steer 20% Acid Phosphate Fertilizer—Guarantee.....	20.00			24.00
32249	Analysis.....	20.95			25.14
	Swift's Red Steer Truck Grower—Guarantee.....	8.00	3.29	4.00	30.85
31432	Analysis.....	8.41	3.74	4.00	33.59
31440	Analysis.....	9.16	3.10	3.55	30.75
31445	Analysis.....	8.52	3.46	4.53	32.96
	Swift's Sulphate of Ammonia—Guarantee.....		20.56		102.80
32315	Analysis.....		20.34		101.70
	Temple Cotton Oil Co., North Little Rock, Ark.—				
	Quapaw 10-4-4—Guarantee.....	10.00	4.00	4.00	36.80
31949	Analysis.....	10.29	3.35	3.75	33.60
32284	Analysis.....	9.44	3.26	3.19	31.46
	Quapaw 12-2-2—Guarantee.....	12.00	2.00	2.00	26.80
32285	Analysis.....	10.80	2.12	1.94	25.89
	Quapaw Muriate of Potash—Guarantee.....			50.00	60.00
31950	Analysis.....			48.03	57.64
	Terrell Oil and Refining Co., Wills Point, Texas—				
	Cottonseed Fertilizer (5.76)—Guarantee.....		5.76		28.80
31897	Analysis.....		6.41		32.05
32242	Analysis.....		5.94		29.70
	"Cotton Seed Fertilizer"—Guarantee.....		6.88		34.40
32236	Analysis.....		6.14		30.70
	Semper-Fidelis 8-4-4 Fertilizer—Guarantee.....	8.00	4.00	4.00	34.40
31847	Analysis.....	9.98	3.59	4.02	34.75
	Semper Fidelis 12-3-3 Fertilizer—Guarantee.....	12.00	3.00	3.00	33.00
31855	Analysis.....	12.87	3.06	3.62	35.08
	Semper Fidelis 12-4-4—Guarantee.....	12.00	4.00	4.00	39.20
31854	Analysis.....	11.69	4.23	2.47	38.14
32243	Analysis.....	11.48	4.56	3.88	41.24
	Semper Fidelis 16% Acid Phosphate—Guarantee.....	16.00			19.20
31850	Analysis.....	18.01			21.61
	Semper Fidelis 18% Acid Phosphate—Guarantee.....	18.00			21.60
31851	Analysis.....	18.05			21.66
	Semper Fidelis "Extra Good"—Guarantee.....	10.00	4.00	2.00	34.40
31849	Analysis.....	11.05	3.94	3.30	36.92
	Semper Fidelis "Special"—Guarantee.....	10.00	2.00	2.00	24.40
31848	Analysis.....	11.70	2.12	2.79	27.99
32244	Analysis.....	10.93	2.36	2.08	27.42
	Semper Fidelis "Sure Crop"—Guarantee.....	10.00	3.00	3.00	30.60
31846	Analysis.....	11.68	3.02	2.90	32.60

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(continued)

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid—Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent	Valuation—Per Ton
	Louis Tobian & Co., Dallas, Texas—				
	Tobian Brand Fertilizer Cottonseed Meal—Guarantee		6.88		\$34.40
31501	Analysis		6.90		34.50
31627	Analysis		7.75		38.75
31712	Analysis		7.45		37.25
31716	Analysis		7.78		38.90
31893	Analysis		7.84		39.20
32063	Analysis		5.52		27.60
32144	Analysis		5.24		26.20
32233	Analysis		5.58		27.90
	Tri-State Fertilizer Co., Shreveport, La.—				
	Red Diamond 10-4-2 Fertilizer—Guarantee	10.00	4.00	2.00	34.40
32056	Analysis	9.24	3.41	3.02	31.76
	Red Diamond 16% Acid Phosphate—Guarantee	16.00			19.20
32188	Analysis	16.25			19.50
32193	Analysis	15.87			19.04
	Red Diamond 18% Acid Phosphate—Guarantee	18.00			21.60
31970	Analysis	17.48			20.98
32036	Analysis	17.49			20.97
32073	Analysis	17.29			20.75
32080	Analysis	18.07			21.68
32186	Analysis	16.64			19.97
	Red Diamond Big Boll Prolific—Guarantee	12.00	2.00	2.00	26.80
32293	Analysis	9.76	2.00	2.60	24.83
	Red Diamond Cotton and Corn Grower—Guarantee	10.00	3.00	3.00	30.60
31969	Analysis	10.65	2.52	2.94	28.91
32033	Analysis	10.37	2.32	2.86	27.47
32057	Analysis	10.18	2.33	3.30	27.83
32072	Analysis	10.59	2.34	2.57	27.49
32187	Analysis	9.69	2.50	3.43	28.25
	Red Diamond Cotton and Corn Special—Guarantee	12.00	4.00	4.00	39.20
32034	Analysis	12.36	2.86	4.08	34.03
32166	Analysis	13.24	2.37	3.68	32.16
32194	Analysis	12.20	3.04	2.92	33.34
	Virginia-Carolina Chemical Co., Shreveport, La.—				
	B. B. B. Beef, Blood and Bone—Guarantee	10.00	2.00	2.00	24.40
31526	Analysis	10.59	1.94	2.49	25.39
31725	Analysis	9.44	1.84	2.34	23.34
32053	Analysis	9.43	1.91	2.21	23.52
	Muriate of Potash—Guarantee			50.00	60.00
31993	Analysis			52.74	63.29
	Nitrate of Soda—Guarantee		14.81		74.05
31729	Analysis		14.65		73.25
	Royal Vegetable Fertilizer—Guarantee	8.00	3.00	3.00	28.20
31505	Analysis	9.07	3.01	3.21	29.78
31804	Analysis	8.89	2.72	3.47	28.43
	Scott's Gossypium Phospho Special—Guarantee	10.00	2.00	2.00	24.40
32112	Analysis	9.52	2.04	2.24	24.31
	V. C. 16% Acid Phosphate—Guarantee	16.00			19.20
31506	Analysis	16.81			20.17
31740	Analysis	15.49			18.59
31837	Analysis	15.16			18.19
32156	Analysis	16.29			19.55
	V. C. 18% Acid Phosphate—Guarantee	18.00			21.60
31685	Analysis	19.00			22.80
31838	Analysis	16.04			19.25
32054	Analysis	16.81			20.17
32237	Analysis	18.79			22.55
	V. C. 20% Acid Phosphate—Guarantee	20.00			24.00
31864	Analysis	17.17			20.60
32232	Analysis	19.73			23.68
	V. C. Special 8-3-3 Fertilizer—Guarantee	8.00	3.00	3.00	28.20
31726	Analysis	7.90	3.00	3.02	28.10
32055	Analysis	9.27	2.83	2.71	28.52

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(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 Co., Shreveport, La.—Cont'd.					
32302	V. C. Special 8-4-6 Fertilizer—Guarantee	8.00	4.00	6.00	\$36.80
	Analysis	9.31	4.58	5.09	40.18
31635	V. C. Special 10-2-2 Fertilizer—Guarantee	10.00	2.00	2.00	24.40
31681	Analysis	9.14	2.04	2.40	24.05
31738	Analysis	9.41	2.12	2.29	24.64
31806	Analysis	9.75	1.98	2.39	24.47
31863	Analysis	8.96	2.06	2.50	24.05
32044	Analysis	9.66	1.96	2.38	24.25
32098	Analysis	9.84	1.89	2.06	23.73
32238	Analysis	9.57	2.04	2.16	23.27
	V. C. Special 10-3-3 Fertilizer—Guarantee	10.00	2.14	2.24	24.55
31669	Analysis	10.40	3.00	3.00	30.60
31701	Analysis	10.40	3.08	3.52	32.10
31739	Analysis	9.76	2.88	3.42	30.21
31862	Analysis	10.38	3.10	2.94	31.49
	V. C. Special 10-4-0 Fertilizer—Guarantee	10.86	2.92	3.30	31.59
31493	Analysis	10.00	4.00	.....	32.00
	V. C. Special 10-4-2 Fertilizer—Guarantee	10.49	4.12	.....	33.19
31805	Analysis	10.00	4.00	2.00	34.40
	V. C. Special 12-2-2 Fertilizer—Guarantee	9.92	3.61	3.03	33.59
31525	Analysis	12.00	2.00	2.00	26.80
31683	Analysis	12.48	2.00	2.51	27.99
32110	Analysis	11.78	2.18	2.50	28.04
	V. C. Special 12-3-3 Fertilizer—Guarantee	11.40	2.30	2.11	27.71
31684	Analysis	12.00	3.00	3.00	33.00
32111	Analysis	12.39	2.84	3.39	33.14
32117	Analysis	11.05	3.73	4.23	36.99
	V. C. Special 12-4-4 Fertilizer—Guarantee	11.87	2.90	3.15	32.52
31682	Analysis	12.00	4.00	4.00	39.20
31700	Analysis	12.62	3.69	4.42	38.89
31727	Analysis	11.83	3.88	4.67	39.20
31820	Analysis	12.22	3.79	4.38	38.87
31895	Analysis	11.44	3.91	4.63	38.84
31997	Analysis	11.25	4.21	4.74	40.24
32168	Analysis	11.69	4.00	4.67	39.63
32303	Analysis	11.45	3.74	4.43	37.76
	V. C. Super-Thirty Fertilizer—Guarantee	11.75	4.15	4.40	40.13
31803	Analysis	18.00	6.00	6.00	58.80
32099	Analysis	18.16	5.63	6.26	57.45
	Analysis	16.44	6.04	6.12	57.27
Waldo Fertilizer Co., Waldo, Ark.—					
	Victory 16% Acid Phosphate—Guarantee	16.00	.....	.....	19.20
31495	Analysis	18.15	.....	.....	21.78
31520	Analysis	16.87	.....	.....	20.24
31908	Analysis	16.56	.....	.....	19.87
	Victory 18% Acid Phosphate—Guarantee	18.00	.....	.....	21.60
31494	Analysis	18.64	.....	.....	22.37
31521	Analysis	19.17	.....	.....	23.00
31557	Analysis	18.11	.....	.....	21.73
31607	Analysis	18.07	.....	.....	21.68
32183	Analysis	18.67	.....	.....	22.40
	Victory Brand 8-4-4—Guarantee	8.00	4.00	4.00	34.40
31496	Analysis	8.32	3.81	5.55	35.69
	Victory Brand 10-2-2—Guarantee	10.00	2.00	2.00	24.40
31497	Analysis	10.76	1.74	2.95	25.15
31909	Analysis	10.07	2.05	2.58	25.43
	Victory Brand 10-3-3—Guarantee	10.00	3.00	3.00	30.60
31559	Analysis	9.36	3.14	3.78	31.47
31825	Analysis	11.27	2.68	3.27	30.84
32082	Analysis	10.47	3.23	3.55	32.97
32181	Analysis	11.05	3.46	3.33	34.56

Table 7—Analysis of Commercial Fertilizer, Season 1925-1926—(continued)

Laboratory Number	Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent	Valuation—Per Ton
	Waldo Fertilizer Co., Waldo, Ark.—Continued.				
31606	Victory Brand 10-4-0—Guarantee.....	10.00	4.00	.....	\$32.00
	Analysis.....	9.10	4.13	.....	31.57
31519	Victory Brand 12-4-4—Guarantee.....	12.00	4.00	4.00	39.20
	Analysis.....	11.82	4.00	4.36	39.41
31558	Analysis.....	11.91	3.67	4.95	38.58
31824	Analysis.....	11.28	3.92	4.67	38.74
32081	Analysis.....	12.00	4.04	4.35	39.82
	Victory Brand 15-4.11-5—Guarantee.....	15.00	4.11	5.00	44.55
32180	Analysis.....	15.09	4.12	5.52	45.33

Table 8—Registration of Commercial Fertilizers, Season 1925-1926

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
American Agricultural Chemical Co., St. Louis, Mo.—			
A. A. 16% Acid Phosphate.....	16.00	.....	.....
A. A. 18% Acid Phosphate.....	18.00	.....	.....
A. A. 20% Acid Phosphate.....	20.00	.....	.....
A. A. Big Compound.....	10.00	4.00	.....
A. A. Challenge Fertilizer.....	7.00	5.00	5.00
A. A. Coon Brand Fertilizer.....	10.00	3.00	3.00
A. A. Early Bird Fertilizer.....	12.00	2.00	2.00
A. A. Golden Crown Fertilizer.....	10.00	2.00	2.00
A. A. Laurel Fertilizer.....	10.00	6.00	7.00
A. A. Liberty Bell Fertilizer.....	8.00	3.00	3.00
A. A. Resolute Fertilizer.....	8.00	4.00	6.00
A. A. Sickle Fertilizer.....	12.00	3.00	3.00
A. A. Special Fertilizer.....	8.00	4.00	4.00
A. A. Success Fertilizer.....	10.00	4.00	2.00
A. A. Triumph Fertilizer.....	12.00	4.00	4.00
Agrico Fertilizer for Cotton.....	12.00	4.00	4.00
Ammonium Sulphate.....	.....	20.75	.....
Kainit.....	.....	.....	12.40
Nitrate of Soda.....	.....	15.00	.....
Arkansas Fertilizer Co., Little Rock, Ark.—			
White Diamond 7-5-5.....	7.00	5.00	5.00
White Diamond 8-3-5.....	8.00	3.00	5.00
White Diamond 8-3-3.....	8.00	3.00	3.00
White Diamond 8-7-0.....	8.00	7.00	.....
White Diamond 9-6-3.....	9.00	6.00	3.00
White Diamond 10-4-0.....	10.00	4.00	.....
White Diamond 12-3-0.....	12.00	3.00	.....
White Diamond 15-0-6.....	15.00	.....	6.00
White Diamond 15-4.11-5.....	15.00	4.11	5.00
White Diamond 16-8-12.....	16.00	8.00	12.00
White Diamond 18-6-6.....	18.00	6.00	6.00
White Diamond Acid Phosphate.....	16.00	.....	.....
White Diamond Blood and Bone.....	10.00	2.00	2.00
White Diamond Bove-All Acid Phosphate.....	18.00	.....	.....
White Diamond Cotton Seed Meal Fertilizer.....	.....	6.58	.....
White Diamond Crop Getter.....	12.00	4.00	4.00
White Diamond Early Boll.....	10.00	3.00	3.00
White Diamond Eclipse Acid Phosphate.....	20.00	.....	.....
White Diamond Jack Rabbit.....	8.00	4.00	6.00
White Diamond Kainit.....	.....	.....	14.00
White Diamond Kali Superphosphate.....	12.00	.....	4.00
White Diamond Moore's Special Mixture.....	10.00	4.00	2.00
White Diamond Muriate Potash.....	.....	.....	50.00
White Diamond Nitrate Soda.....	.....	15.00	.....
White Diamond Old Reliable.....	8.00	4.00	4.00
White Diamond Pioneer 10-6-7.....	10.00	6.00	7.00
White Diamond Pure Raw Bone Meal.....	*23.00	3.70	.....
White Diamond Safety First.....	12.00	3.00	3.00
White Diamond Southern King.....	12.00	2.00	2.00
White Diamond Sulphate of Ammonia.....	.....	20.50	.....
Armour Fertilizer Works, Houston, Fort Worth, Texas, and New Orleans, La.—			
Armour's Big Crop African Cotton Grower.....	10.00	3.00	3.00
Armour's Big Crop Best Phosphate.....	18.00	.....	.....
Armour's Big Crop Burns Special.....	12.00	3.00	3.00
Armour's Big Crop Extra High Analysis.....	15.00	4.11	5.00
Armour's Big Crop Farmers' Favorite.....	10.00	2.00	2.00
Armour's Big Crop Fertilizer No. 835.....	8.00	3.00	5.00
Armour's Big Crop Fertilizer No. 87.....	8.00	7.00	.....
Armour's Big Crop Fertilizer No. 1042.....	10.00	4.00	2.00
Armour's Big Crop General Crop Maker.....	8.00	4.00	4.00
Armour's Big Crop Manure Salts.....	.....	.....	20.00

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Armour Fertilizer Works, Houston, Fort Worth, Texas, and New Orleans, La.—Continued.			
Armour's Big Crop Muriate of Potash.....			50.00
Armour's Big Crop New Mixture.....	10.00	3.00	3.00
Armour's Big Crop Nitrate of Soda.....		14.81	
Armour's Big Crop Phosphate and Nitrogen.....	12.00	3.00	
Armour's Big Crop Phosphate and Potash No. 124.....	12.00		4.00
Armour's Big Crop Phosphate and Potash No. 1506.....	15.00		6.00
Armour's Big Crop Raw Bone Meal.....	*22.00	3.70	
Armour's Big Crop Star Phosphate.....	16.00		
Armour's Big Crop Sulphate of Ammonia.....		20.58	
Armour's Big Crop Sulphate of Potash.....			48.00
Armour's Big Crop Sunny South Special.....	12.00	2.00	2.00
Armour's Big Crop Sunshine Special.....	12.00	3.00	3.00
Armour's Big Crop Superphosphate.....	20.00		
Armour's Big Crop Texas High Analysis.....	12.00	4.00	4.00
Armour's Big Crop Texas Trucker.....	8.00	3.00	3.00
Armour's Big Crop Truck Producer.....	10.00	6.00	7.00
Armour's Big Crop Truck Special.....	8.00	4.00	6.00
Armour's Kainit.....			12.40
Armour's Tankage.....	*4.58	8.23	
Guy Ater, Bertram, Texas—			
Bat Guano Compost.....	8.00	2.00	2.00
Geo. L. Barber, Jacksonville, Texas—			
Barber's Acid Phosphate.....	16.00		
Barber's Nitrate of Soda.....		15.00	
The Barrett Co., Sales Agents, New York, N. Y.—			
Arcadian Sulphate of Ammonia.....		20.75	
Sulphate of Ammonia.....		20.50	
Berryman Fertilizer Works, Palestine, Texas—			
Bo's Best.....	12.00	4.00	4.00
Bo's Corn and Truck Special.....	8.00	4.00	4.00
Bo's 18% Acid Phosphate.....	18.00		
Bo's Lowland Special.....	12.00	3.00	3.00
Bo's Sandy Land Special.....	10.00	4.00	2.00
Bo's Texas King.....	10.00	3.00	3.00
Bryan Cotton Oil and Fertilizer Co., Bryan, Texas—			
Star Brand Acid Phosphate 16%.....	16.00		
Star Brand Acid Phosphate 18%.....	18.00		
Star Brand Cotton and Corn Fertilizer.....	10.00	2.00	2.00
Star Brand Nitrate Soda.....		15.00	
Star Brand Phospho Special Fertilizer.....	11.00	2.00	
Star Brand Potato Fertilizer.....	12.00	3.00	
Star Brand Special Fertilizer.....	12.00	3.00	3.00
Commercial Fertilizer Co., North Little Rock, Ark.—			
Commercial 7-5-5.....	7.00	5.00	5.00
Commercial 8-3-3.....	8.00	3.00	3.00
Commercial 8-3-5.....	8.00	3.00	5.00
Commercial 8-4-4.....	8.00	4.00	4.00
Commercial 8-4-6.....	8.00	4.00	6.00
Commercial 8-7-0.....	8.00	7.00	
Commercial 9-6-3.....	9.00	6.00	3.00
Commercial 10-2-2.....	10.00	2.00	2.00
Commercial 10-3-3.....	10.00	3.00	3.00
Commercial 10-4-0.....	10.00	4.00	
Commercial 10-4-2.....	10.00	4.00	2.00
Commercial 10-6-7.....	10.00	6.00	7.00
Commercial 12-0-4.....	12.00		4.00
Commercial 12-2-2.....	12.00	2.00	2.00

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Commercial Fertilizer Co., North Little Rock, Ark.—Continued.			
Commercial 12-3-0.....	12.00	3.00	.....
Commercial 12-3-3.....	12.00	3.00	3.00
Commercial 12-4-4.....	12.00	4.00	4.00
Commercial 15-0-6.....	15.00	.....	6.00
Commercial 15-4-11-5.....	15.00	4.11	5.00
Commercial 16-8-12.....	16.00	8.00	12.00
Commercial 18-6-6.....	18.00	6.00	6.00
Commercial 16% Acid Phosphate.....	16.00	.....	.....
Commercial 18% Acid Phosphate.....	18.00	.....	.....
Commercial 20% Acid Phosphate.....	20.00	.....	.....
Commercial Kainit.....	.....	.....	14.00
Commercial Muriate of Potash.....	.....	.....	50.00
Commercial Nitrate of Soda.....	.....	15.00	.....
Commercial Sulphate of Ammonia.....	.....	20.50	.....
The Cudahy Packing Co., Chicago, Ill.—			
Bigwin High Grade Fertilizer 16% Acid Phosphate.....	16.00	.....	.....
Bigwin Standard Grade Fertilizer Steamed Bone Meal.....	*24.00	2.47	.....
Douglass Fertilizer Co., Little Rock, Ark.—			
4-Brand 7-5-5.....	7.00	5.00	5.00
4-Brand 8-3-3.....	8.00	3.00	3.00
4-Brand 8-3-5.....	8.00	3.00	5.00
4-Brand 8-4-4.....	8.00	4.00	4.00
4-Brand 8-4-6.....	8.00	4.00	6.00
4-Brand 8-7-0.....	8.00	7.00	.....
4-Brand 9-6-3.....	9.00	6.00	3.00
4-Brand 10-2-2.....	10.00	2.00	2.00
4-Brand 10-3-3.....	10.00	3.00	3.00
4-Brand 10-4-0.....	10.00	4.00	.....
4-Brand 10-4-2.....	10.00	4.00	2.00
4-Brand 10-6-7.....	10.00	6.00	7.00
4-Brand 12-0-4.....	12.00	.....	4.00
4-Brand 12-2-2.....	12.00	2.00	2.00
4-Brand 12-3-0.....	12.00	3.00	.....
4-Brand 12-3-3.....	12.00	3.00	3.00
4-Brand 12-4-4.....	12.00	4.00	4.00
4-Brand 15-0-6.....	15.00	.....	6.00
4-Brand 15-4-11-5.....	15.00	4.11	5.00
4-Brand 16-8-12.....	16.00	8.00	12.00
4-Brand 18-6-6.....	18.00	6.00	6.00
4-Brand 16% Acid Phosphate.....	16.00	.....	.....
4-Brand 18% Acid Phosphate.....	18.00	.....	.....
4-Brand 20% Acid Phosphate.....	20.00	.....	.....
4-Brand Kainit.....	.....	.....	14.00
4-Brand Muriate of Potash.....	.....	.....	50.00
4-Brand Nitrate Soda.....	.....	15.00	.....
4-Brand Sulphate of Ammonia.....	.....	20.50	.....
Earp-Thomas Cultures Corporation, Long Island City, N. Y.—			
Stimulant Fertilizer.....	12.00	11.00	15.00
Farmers Cotton Oil Co., Winnsboro, Texas—			
16% Acid Phosphate.....	16.00	.....	.....
18% Acid Phosphate.....	18.00	.....	.....
Meal Mixture Fertilizer No. 755.....	7.00	5.00	5.00
Meal Mixture Fertilizer No. 844.....	8.00	4.00	4.00
Meal Mixture Fertilizer No. 846.....	8.00	4.00	6.00
Meal Mixture Fertilizer No. 1033.....	10.00	3.00	3.00
Meal Mixture Fertilizer No. 1244.....	12.00	4.00	4.00
Muriate of Potash.....	.....	.....	50.00
Nitrate of Soda.....	.....	15.00	.....

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid—Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Fidelity Chemical Corporation, Houston, Texas—			
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	8.00	7.00	.....
Fidelity 10-2-2	10.00	2.00	2.00
Fidelity 10-3-3 Fertilizer	10.00	3.00	3.00
Fidelity 10-4-0 Fertilizer	10.00	4.00	.....
Fidelity 10-4-2 Fertilizer	10.00	4.00	2.00
Fidelity 10-6-7 Fertilizer	10.00	6.00	7.00
Fidelity 12-0-4 Fertilizer	12.00	.....	4.00
Fidelity 12-2-2 Fertilizer	12.00	2.00	2.00
Fidelity 12-3-0 Fertilizer	12.00	3.00	.....
Fidelity 12-3-3 Fertilizer	12.00	3.00	3.00
Fidelity 12-4-4 Fertilizer	12.00	4.00	4.00
Fidelity 15-0-6 Fertilizer	15.00	.....	6.00
Fidelity 15-4.11-5 Fertilizer	15.00	4.11	5.00
Fidelity 16% Acid Phosphate	16.00	.....	.....
Fidelity 18% Acid Phosphate	18.00	.....	.....
Fidelity 20% Acid Phosphate	20.00	.....	.....
Fidelity 14% Kainit	.....	.....	14.00
Fidelity Cotton Special Fertilizer	10.00	2.00	2.00
Fidelity Kainit	.....	.....	12.40
Fidelity Manure Salts	.....	.....	20.00
Fidelity Muriate of Potash	.....	.....	50.00
Fidelity Nitrate of Soda	.....	15.00	.....
Fidelity Peerless Trucker Fertilizer	8.00	3.00	5.00
Fidelity Sulphate of Ammonia	.....	.....	20.00
Fidelity Sulphate of Potash	.....	.....	48.00
Ford Motor Co., Detroit, Mich.—			
Ford Ammonium Sulphate	.....	20.80	.....
Gate City Fertilizer Co., Little Rock, Ark.—			
Red Ball 7-5-5	7.00	5.00	5.00
Red Ball 8-3-3	8.00	3.00	3.00
Red Ball 8-3-5	8.00	3.00	5.00
Red Ball 8-4-4	8.00	4.00	4.00
Red Ball 8-4-6	8.00	4.00	6.00
Red Ball 8-7-0	8.00	7.00	.....
Red Ball 9-6-3	9.00	6.00	3.00
Red Ball 10-2-2	10.00	2.00	2.00
Red Ball 10-3-3	10.00	3.00	3.00
Red Ball 10-4-0	10.00	4.00	.....
Red Ball 10-4-2	10.00	4.00	2.00
Red Ball 10-6-7	10.00	6.00	7.00
Red Ball 12-0-4	12.00	.....	4.00
Red Ball 12-2-2	12.00	2.00	2.00
Red Ball 12-3-0	12.00	3.00	.....
Red Ball 12-3-3	12.00	3.00	3.00
Red Ball 12-4-0	12.00	4.00	.....
Red Ball 12-4-4	12.00	4.00	4.00
Red Ball 15-0-6	15.00	.....	6.00
Red Ball 15-4.11-5	15.00	4.11	5.00
Red Ball 16-8-12	16.00	8.00	12.00
Red Ball 18-6-6	18.00	6.00	6.00
Red Ball 16% Acid Phosphate	16.00	.....	.....
Red Ball 18% Acid Phosphate	18.00	.....	.....
Red Ball 20% Acid Phosphate	20.00	.....	.....
Red Ball Cottonseed Meal Fertilizer	.....	6.58	.....
Red Ball Kainit	.....	.....	14.00
Red Ball Muriate of Potash	.....	.....	50.00
Red Ball Nitrate Soda	.....	15.00	.....
Red Ball Pure Raw Bone Meal	23.00	3.70	.....
Red Ball Sulphate of Ammonia	.....	20.50	.....

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
W. R. Grace & Co., New Orleans, La.—			
Nitrate of Soda.....		15.00	
Hope Fertilizer Co., Hope, Ark.—			
Foster's Favorite Formula.....	8.00	4.00	6.00
Hope Fertilizer No. 44.....	12.00	2.00	2.00
Stork Brand 16% Acid Phosphate.....	16.00		
Stork Brand 18% Acid Phosphate.....	18.00		
Stork Brand 20% Acid Phosphate.....	20.00		
Stork Brand Eight Three Three.....	8.00	3.00	3.00
Stork Brand Eight Three Five.....	8.00	3.00	5.00
Stork Brand Eight Four Four.....	8.00	4.00	4.00
Stork Brand Eight Four Six.....	8.00	4.00	6.00
Stork Brand Eight Seven Naught.....	8.00	7.00	
Stork Brand Eighteen Six Six.....	18.00	6.00	6.00
Stork Brand Fifteen Naught Six.....	15.00		6.00
Stork Brand Fifteen Four Eleven Five.....	15.00	4.11	5.00
Stork Brand Kainit.....			12.50
Stork Brand Muriate of Potash.....			50.00
Stork Brand Nine Six Three.....	9.00	6.00	3.00
Stork Brand Nitrate of Soda.....		15.00	
Stork Brand Raw Bone Meal.....	*23.83	4.85	
Stork Brand Sixteen Eight Twelve.....	16.00	8.00	12.00
Stork Brand Seven Five Five.....	7.00	5.00	5.00
Stork Brand Ten Naught Four.....	10.00		4.00
Stork Brand Ten Two Two.....	10.00	2.00	2.00
Stork Brand Ten Three Three.....	10.00	3.00	3.00
Stork Brand Ten Four Naught.....	10.00	4.00	
Stork Brand Ten Four Two.....	10.00	4.00	2.00
Stork Brand Ten Six Seven.....	10.00	6.00	7.00
Stork Brand Twelve Naught Four.....	12.00		4.00
Stork Brand Twelve Two Two.....	12.00	2.00	2.00
Stork Brand Twelve Three Naught.....	12.00	3.00	
Stork Brand Twelve Three Three.....	12.00	3.00	3.00
Stork Brand Twelve Four Four.....	12.00	4.00	4.00
Trucker No. 25.....	8.00	3.00	3.00
Houston Packing Co., Houston, Texas—			
Blood and Bone.....	*14.50	5.60	
Ground Raw Bone.....	*23.00	3.70	
Houston's B. and B. Fertilizer.....	*15.50	4.70	
International Agricultural Corporation, Memphis, Tenn.—			
International 8-4-4 Crop Producer.....	8.00	4.00	4.00
International 10-2-2 Crackerjack Fertilizer.....	10.00	2.00	2.00
International 10-3-3 Old Hickory Guano.....	10.00	3.00	3.00
International 10-4-0 Ammoniated Compound.....	10.00	4.00	
International 10-4-2 Premium Guano.....	10.00	4.00	2.00
International 10-4-4 Rainbow Cotton Fertilizer.....	10.00	4.00	4.00
International 12-0-4 Phosphate and Potash.....	12.00		4.00
International 12-2-2 Jumbo Guano.....	12.00	2.00	2.00
International 12-3-3 Complete Guano.....	12.00	3.00	3.00
Liberty 12-4-4 Cotton Grower.....	12.00	4.00	4.00
International 16% Acid Phosphate.....	16.00		
International 18% Acid Phosphate.....	18.00		
International 20% Acid Phosphate.....	20.00		
Jefferson Oil Co., Jefferson, Texas—			
Cottonseed Meal Fertilizer.....	1.50	6.58	1.00
Jefferson Acid Phosphate.....	18.00		

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Kelly, Weber & Co., Ltd., Lake Charles, La.—			
16% Acid Phosphate.....	16.00		
18% Acid Phosphate.....	18.00		
20% Acid Phosphate.....	20.00		
Nitrate of Soda.....		15.00	
Weber King Brand Fertilizer Special No. 833.....	8.00	3.00	3.00
Weber King Brand Fertilizer Special No. 1022.....	10.00	2.00	2.00
Weber King Brand Fertilizer Special No. 1204.....	12.00		4.00
Weber King Brand Fertilizer Special No. 1222.....	12.00	2.00	2.00
Weber King Brand Fertilizer Special No. 1244.....	12.00	4.00	4.00
Kerens Cotton Oil Co., Kerens, Texas—			
Acid Phosphate.....	18.00		
Navarro Cotton Maker.....	10.00	3.00	3.00
Navarro Crop Special.....	10.00	2.00	4.00
Navarro General Crop Maker.....	12.00	4.00	4.00
Navarro Sandy Land Fertilizer.....	8.00	4.00	4.00
Nitrate of Soda.....		15.00	
Longview Cotton Oil Co., Longview, Texas—			
Fertilizer Cottonseed Meal.....	10.00	6.88	1.00
Longview 12.4 Kainit.....			12.40
Longview 15% Nitrate of Soda.....		15.00	
Longview 18% Acid Phosphate.....	18.00		
Longview 50% Muriate of Potash.....			50.00
Longview Corn and Potato Special Fertilizer.....	8.00	3.00	3.00
Longview Cotton and Corn Special Fertilizer.....	12.00	4.00	4.00
Longview Cotton Special Fertilizer.....	10.00	3.00	3.00
Longview East Texas Cotton Special Fertilizer.....	10.00	2.00	2.00
Longview Gravelly Special Fertilizer.....	10.00	4.00	
Longview New Ground Special Fertilizer.....	12.00		4.00
Longview Special Fertilizer.....	12.00	3.00	3.00
Longview Supreme Cotton Grower Fertilizer.....	10.00	4.00	2.00
Longview Truck Special Fertilizer.....	8.00	4.00	6.00
Louis Rosenthal Packing Co., Galveston, Texas—			
Blood and Bone Tankage.....	12.28	5.91	
Mar-Ater Fertilizer Co., Bertram, San Antonio, Texas—			
Bat Guano Compost.....	12.00	3.50	3.50
High Grade Bat Guano.....		9.50	
Marshall Cotton Oil Co., Marshall, Texas—			
Cotton Seed Meal Fertilizer.....	1.50	6.58	1.00
Farmers Potash Compound.....	12.00		4.00
Marshall Acid Phosphate.....	16.00		
Marshall Cane Grower.....	8.00	7.00	
Marshall Corn and Potato Special.....	8.00	3.00	3.00
Marshall Eclipse Fertilizer.....	10.00	3.00	3.00
Marshall Elite Fertilizer.....	12.00	2.00	2.00
Marshall Fertilizer.....	12.00	3.00	3.00
Marshall Garden Fertilizer.....	8.00	4.00	6.00
Marshall Flower Special.....	10.00	2.00	10.00
Marshall Kainit.....			14.00
Marshall M. M. Fertilizer.....	12.00	3.00	
Marshall Nursery Special Fertilizer.....	10.00	4.00	
Marshall Nut Producer Fertilizer.....	9.00	6.00	3.00
Marshall Regal Fertilizer.....	10.00	2.00	2.00
Marshall Special Kainit.....			12.40
Marshall Wonder Fertilizer.....	12.00	4.00	4.00
Muriate of Potash.....			50.00
Nitrate of Soda.....		15.00	
Our Acid Phosphate.....	20.00		
Quick Producer Fertilizer.....	10.00	4.00	2.00
Supreme Acid Phosphate.....	18.00		
Truckers Delight.....	8.00	4.00	4.00

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Meridian Fertilizer Factory, Shreveport, La.—			
Kainit.....			12.40
Manure Salts.....			20.00
Meridian Caddo Mixture.....	10.00	2.00	2.00
Meridian Cane Special.....	8.00	7.00	
Meridian Golden West.....	12.00	2.00	2.00
Meridian Great Western.....	12.00	3.00	3.00
Meridian Home Mixture.....	10.00	2.00	2.00
Meridian Improved Acid Phosphate.....	20.00		
Meridian Magnolia State Formula.....	8.00	4.00	4.00
Meridian Perfect Guano.....	10.00	3.00	3.00
Meridian Perfection Acid Phosphate.....	18.00		
Meridian Perfection Compound.....	12.00	4.00	4.00
Meridian Perfection Potash Formula.....	12.00		4.00
Meridian Rawbone Mixture.....	10.00	2.00	2.00
Meridian Southern Standard.....	10.00	4.00	2.00
Meridian Special Mixture.....	10.00	4.00	
Meridian Truck Grower.....	8.00	3.00	3.00
Meridian Truckers Special.....	8.00	4.00	6.00
Meridian Union Special Acid Phosphate.....	16.00		
Muriate of Potash.....			50.00
Nitrate of Soda.....		15.00	
Sulphate of Ammonia.....		20.00	
H. K. Mulford Company, Philadelphia, Pa.—			
Mulford Cultures for Legumes.....			
Munger Oil and Cotton Co., Mexia, Texas—			
Munger Fertilizer Cotton Seed Meal.....	2.00	6.88	1.25
Nitrate Agencies Company, New Orleans, La.—			
Nitrate of Potash and Soda.....		14.00	12.40
Nitrate of Soda.....		15.00	
Oil Mill and Fertilizer Works, Henderson, Texas—			
Henderson Acid Phosphate.....	16.00		
Henderson Best Cane.....	8.00	7.00	
Henderson Best Phosphate.....	20.00		
Henderson Corn Grower.....	10.00	4.00	2.00
Henderson Favorite Phosphate.....	18.00		
Henderson Fertilizer Cotton Seed Meal.....	1.00	6.88	1.00
Henderson Manure Salts.....			20.00
Henderson Muriate of Potash.....			50.00
Henderson Nitrate of Soda.....		15.00	
Henderson Nursery Special.....	9.00	6.00	3.00
Henderson Potato Grower.....	8.00	4.00	6.00
Henderson Red Land.....	10.00	4.00	
Henderson Sandy Land.....	12.00	4.00	4.00
Henderson Special.....	10.00	3.00	3.00
Henderson Standard.....	10.00	2.00	2.00
Henderson Sulphate of Ammonia.....		20.00	
Henderson Tomato Grower.....	10.00	6.00	7.00
Henderson Truck.....	8.00	4.00	4.00
Palestine Oil Mill and Fertilizer Co., Palestine, Texas—			
Corn and Cotton Special.....	10.00	4.00	2.00
Cotton Seed Meal Fertilizer.....	1.00	6.88	1.00
Garden Special.....	8.00	3.00	5.00
New Ground Special.....	12.00	3.00	
Palestine Cotton Producer.....	10.00	2.00	2.00
Palestine Deep Sandy.....	12.00	4.00	4.00
Palestine Eighteen Per Cent Phosphate.....	18.00		
Palestine Fourteen Per Cent Kainit.....			14.00
Palestine Jumbo Fertilizer.....	18.00	6.00	6.00
Palestine Low Land Fertilizer.....	12.00	3.00	3.00

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Palestine Oil Mill and Fertilizer Co., Palestine, Texas—Continued.			
Palestine Manure Salts			20.00
Palestine Muriate of Potash			50.00
Palestine Nitrate of Soda		15.00	
Palestine Perfection	9.00	6.00	3.00
Palestine Phosphate	20.00		
Palestine Prolific Fertilizer	12.00	2.00	2.00
Palestine Queen Fertilizer	15.00	4.11	5.00
Palestine Sandy Land	10.00	3.00	3.00
Palestine Sixteen Per Cent Phosphate	16.00		
Palestine Sulphate of Ammonia		20.00	
Palestine Superior Fertilizer	16.00	8.00	12.00
Palestine Tomato and Cabbage Special	8.00	4.00	4.00
Palestine Trucker	7.00	5.00	5.00
Palestine Twelve Per Cent Kainit			12.00
Palestine Vegetable Fertilizer	8.00	3.00	3.00
Palestine Watermelon Special	8.00	4.00	6.00
Patton Cold Frame Special	12.00	4.00	4.00
Phosphate and Nitrogen Mixture	10.00	4.00	
Phosphate and Potash Mixture	12.00		4.00
Potash and Phosphate Mixture	15.00		6.00
Ribbon Cane Special	8.00	7.00	
Sandy Land Vegetable	10.00	6.00	7.00
Pate Brothers, Sulphur Springs, Texas—			
Cotton Seed Meal Fertilizer	1.00	6.88	1.00
Pate's 7-5-5	7.00	5.00	5.00
Pate's 8-3-3	8.00	3.00	3.00
Pate's 8-3-5	8.00	3.00	5.00
Pate's 8-4-4	8.00	4.00	4.00
Pate's 8-4-6	8.00	4.00	6.00
Pate's 9-6-3	9.00	6.00	3.00
Pate's 10-2-2	10.00	2.00	2.00
Pate's 10-3-3	10.00	3.00	3.00
Pate's 10-4-0	10.00	4.00	
Pate's 10-4-2	10.00	4.00	2.00
Pate's 12-2-2	12.00	2.00	2.00
Pate's 12-3-0	12.00	3.00	
Pate's 12-3-3	12.00	3.00	3.00
Pate's 12-4-4	12.00	4.00	4.00
Pate's Acid Phosphate	16.00		
Pate's 18% Acid Phosphate	18.00		
20% Acid Phosphate	20.00		
Pate's Kainit			14.00
Pate's Muriate of Potash			50.00
Pate's Nitrate of Soda		15.00	
Pate's Sulphate of Ammonia		20.00	
Pelican Fertilizer Works, Shreveport, La.—			
Kainit			12.40
Muriate of Potash			50.00
Nitrate of Soda		15.00	
Pelican Compound	10.00	4.00	2.00
Pelican Improved Guano	8.00	4.00	4.00
Pelican Perfect Acid Phosphate	18.00		
Pelican Perfect Formula	10.00	3.00	3.00
Pelican Perfection Formula	12.00	4.00	4.00
Pelican Prolific Wonder	12.00	2.00	2.00
Pelican Special Acid Phosphate	16.00		
Pelican Star Formula	10.00	2.00	2.00
Pelican Truckers Special	8.00	4.00	6.00
Sulphate of Ammonia		20.00	

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Pick Fertilizer Service, Inc., New Orleans, La.—			
Bull Dog Acid Phosphate No. 16.....	16.00		
Bull Dog Acid Phosphate No. 18.....	18.00		
Bull Dog Acid Phosphate No. 20.....	20.00		
Bull Dog Blood and Bone No. 2.....	10.00	2.00	2.00
Bull Dog Special No. 755-N.....	7.00	5.00	5.00
Bull Dog Special No. 833-N.....	8.00	3.00	3.00
Bull Dog Special No. 835-N.....	8.00	3.00	5.00
Bull Dog Special No. 844-N.....	8.00	4.00	4.00
Bull Dog Special No. 846-N.....	8.00	4.00	6.00
Bull Dog Special No. 870-N.....	8.00	7.00	
Bull Dog Special No. 963-N.....	9.00	6.00	3.00
Bull Dog Special No. 1022-N.....	10.00	2.00	2.00
Bull Dog Special No. 1033-N.....	10.00	3.00	3.00
Bull Dog Special No. 1040-N.....	10.00	4.00	
Bull Dog Special No. 1042-N.....	10.00	4.00	2.00
Bull Dog Special No. 1067-N.....	10.00	6.00	7.00
Bull Dog Special No. 1204.....	12.00		4.00
Bull Dog Special No. 1222-N.....	12.00	2.00	2.00
Bull Dog Special No. 1230-N.....	12.00	3.00	
Bull Dog Special No. 1233-N.....	12.00	3.00	3.00
Bull Dog Special No. 1244-N.....	12.00	4.00	4.00
Bull Dog Special No. 1506.....	15.00		6.00
Bull Dog Special No. 16812-N.....	16.00	8.00	12.00
Bull Dog Special No. 1866-N.....	18.00	6.00	6.00
Cyanamid.....		20.00	
Goldsmith's Improved Mixture No. 2.....	10.00	2.00	2.00
Kainit No. 12.....			12.00
Kainit No. 14.....			14.00
Manure Salts.....			20.00
Muriate of Potash.....			50.00
Nitrate of Soda.....		15.00	
Sulphate of Ammonia.....		20.00	
Sulphate of Potash.....			48.00
Pittsburg Cotton Oil Co., Pittsburg, Texas—			
18% Acid Phosphate.....	18.00		
Manure Salts.....			20.00
Meal and Phosphate Fertilizer No. 844.....	8.00	4.00	4.00
Meal and Phosphate Fertilizer No. 846.....	8.00	4.00	6.00
Meal and Phosphate Fertilizer No. 1022.....	10.00	2.00	2.00
Meal and Phosphate Fertilizer No. 1033.....	10.00	3.00	3.00
Meal and Phosphate Fertilizer No. 1042.....	10.00	4.00	2.00
Meal and Phosphate Fertilizer No. 1222.....	12.00	2.00	2.00
Meal and Phosphate Fertilizer No. 1233.....	12.00	3.00	3.00
Meal and Phosphate Fertilizer No. 1244.....	12.00	4.00	4.00
Muriate of Potash.....			50.00
Nitrate of Soda.....		15.00	
Prime Cottonseed Meal Fertilizer.....	2.00	6.88	1.00
Sixteen Per Cent Acid Phosphate.....	16.00		
Slightly Off Cottonseed Meal Fertilizer.....	1.00	6.50	1.00
Sulphate of Ammonia.....		20.80	
Planters Fertilizer and Chemical Co., Houston, Fort Worth, Texas, and New Orleans, La.—			
Planters' Plow Brand African Cotton Grower.....	10.00	3.00	3.00
Planters' Plow Brand Best Phosphate.....	18.00		
Planters' Plow Brand Extra High Analysis.....	15.00	4.11	5.00
Planters' Plow Brand Farmers' Favorite.....	10.00	2.00	2.00
Planters' Plow Brand Fertilizer No. 87.....	8.00	7.00	
Planters' Plow Brand Fertilizer No. 835.....	8.00	3.00	5.00
Planters' Plow Brand Fertilizer No. 1042.....	10.00	4.00	2.00
Planters' Plow Brand Fertilizer No. 1044.....	10.00	4.00	4.00
Planters' Plow Brand General Crop Maker.....	8.00	4.00	4.00
Planters' Plow Brand Kainit.....			12.40

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Planters Fertilizer and Chemical Co., Houston, Fort Worth, Texas, and New Orleans, La.—Continued.			
Planters' Plow Brand Manure Salts.....			20.00
Planters' Plow Brand Muriate of Potash.....			50.00
Planters' Plow Brand New Mixture.....	10.00	3.00	3.00
Planters' Plow Brand Nitrate of Soda.....		14.81	
Planters' Plow Brand Phosphate and Nitrogen.....	12.00	3.00	
Planters' Plow Brand Phosphate and Potash No. 124.....	15.00		4.00
Planters' Plow Brand Phosphate and Potash No. 1506.....	15.00		6.00
Planters' Plow Brand Raw Bone Meal.....	*22.00	3.70	
Planters' Plow Brand Star Phosphate.....	16.00		
Planters' Plow Brand Sulphate of Ammonia.....		20.58	
Planters' Plow Brand Sulphate of Potash.....			48.00
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 Superphosphate.....	20.00		
Planters' Plow Brand Texas High Analysis.....	12.00	4.00	4.00
Planters' Plow Brand Truck Producer.....	10.00	6.00	7.00
Planters' Plow Brand Truck Special.....	8.00	4.00	6.00
Planters' Plow Brand Texas Trucker.....	8.00	3.00	3.00
The Pulverized Manure Co., Union Stock Yards, Chicago, Ill.—			
Wizard Brand Sheep Manure.....	1.25	2.00	2.00
Thos. Self, Crockett, Texas—			
Crockett 18% Acid Phosphate.....	18.00		
Crockett Cotton Standard.....	12.00	3.00	3.00
Crockett High Grade Fertilizer.....	12.00	4.00	4.00
Shreveport Fertilizer Works, Shreveport, La.—			
Kainit.....			12.00
Lion Allen's Choice.....	9.00	6.00	3.00
Lion Blood and Bone.....	10.00	2.00	2.00
Lion Cane Producer.....	7.00	5.00	5.00
Lion Cane Special.....	8.00	7.00	
Lion Corn Food.....	8.00	3.00	3.00
Lion Cotton Seed Meal Mixture.....	10.00	2.00	2.00
Lion La-Tex Special.....	10.00	6.00	7.00
Lion Manure Salts.....			20.00
Lion Muriate of Potash.....			50.00
Lion Non-Potassic.....	12.00	3.00	
Lion Potato Producer.....	8.00	4.00	4.00
Lion Prolific Fruiter.....	12.00	2.00	2.00
Lion Superfine Acid Phosphate.....	18.00		
Lion Superior Acid Phosphate.....	20.00		
Lion Superior Blood and Bone.....	10.00	3.00	3.00
Lion Superior Cotton Grower.....	12.00	4.00	4.00
Lion Superior Meal Formula.....	10.00	3.00	3.00
Lion Superior Potash.....	12.00		4.00
Lion Superphos Potash.....	15.00		6.00
Lion Texas Special.....	10.00	4.00	
Lion Tomato Special.....	8.00	4.00	6.00
Lion Truck Grower.....	8.00	3.00	5.00
Lion Veribest.....	12.00	3.00	3.00
Lion Xtrafine Mixture.....	10.00	4.00	2.00
Lion Xtragoood Acid Phosphate.....	16.00		
Nitrate of Soda.....		15.00	
Southwest Fertilizer Co., Dallas, Texas—			
Pulverized Sheep Manure.....	1.00	2.20	1.40

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Swift & Co., Harvey, Shreveport, La., Houston, Texas—			
Atlantic 8-4-4	8.00	4.00	4.00
Atlantic 8-4-6	8.00	4.00	6.00
Atlantic 10-3-3	10.00	3.00	3.00
Atlantic 10-4-2	10.00	4.00	2.00
Atlantic 10-6-7	10.00	6.00	7.00
Atlantic 12-2-2	12.00	2.00	2.00
Atlantic 12-3-3	12.00	3.00	3.00
Atlantic 12-4-4	12.00	4.00	4.00
Atlantic High Grade Acid Phosphate 16%	16.00		
Atlantic 18% Acid Phosphate Fertilizer	18.00		
Atlantic Muriate of Potash			50.00
Atlantic Nitrate of Soda		14.81	
Atlantic Sulphate of Potash			49.00
Pioneer 7-5-5	7.00	5.00	5.00
Pioneer 8-3-3	8.00	3.00	3.00
Pioneer 8-4-6	8.00	4.00	6.00
Pioneer 10-2-2	10.00	2.00	2.00
Pioneer 10-3-3	10.00	3.00	3.00
Pioneer 10-4-0	10.00	4.00	0.00
Pioneer 10-4-2	10.00	4.00	2.00
Pioneer 10-6-7	10.00	6.00	7.00
Pioneer 12-0-4	12.00		4.00
Pioneer 12-2-2	12.00	2.00	2.00
Pioneer 12-3-0	12.00	3.00	
Pioneer 12-3-3	12.00	3.00	3.00
Pioneer 12-4-4	12.00	4.00	4.00
Pioneer 15-0-6	15.00		6.00
Pioneer 18% Acid Phosphate Fertilizer	18.00		
Pioneer High Grade Acid Phosphate Fertilizer	16.00		
Pioneer Muriate of Potash			50.00
Pioneer Nitrate of Soda		14.81	
Pioneer Raw Bone Meal Fertilizer	*24.00	2.47	
Pioneer Cotton Seed Meal Fertilizer		6.58	
Pioneer High Grade Acid Phosphate Fertilizer 16%	16.00		
Pioneer Kainit			12.40
Pioneer Kainit			15.70
Pioneer Muriate of Potash			50.00
Pioneer Nitrate of Soda		14.81	
Pioneer Raw Bone Meal Fertilizer	*22.90	3.70	
Pioneer Red Steer 7-5-5	7.00	5.00	5.00
Pioneer Red Steer 8-3-3	8.00	3.00	3.00
Pioneer Red Steer 8-3-5	8.00	3.00	5.00
Pioneer Red Steer 8-4-4	8.00	4.00	4.00
Pioneer Red Steer 8-4-6	8.00	4.00	6.00
Pioneer Red Steer 8-7-0	8.00	7.00	
Pioneer Red Steer 10-2-2	10.00	2.00	2.00
Pioneer Red Steer 10-3-3	10.00	3.00	3.00
Pioneer Red Steer 10-4-0	10.00	4.00	
Pioneer Red Steer 10-4-2	20.00	4.00	2.00
Pioneer Red Steer 10-6-7	10.00	6.00	7.00
Pioneer Red Steer 12-0-4	12.00		4.00
Pioneer Red Steer 12-2-2	12.00	2.00	2.00
Pioneer Red Steer 12-3-0	12.00	3.00	
Pioneer Red Steer 12-3-3	12.00	3.00	3.00
Pioneer Red Steer 12-4-4	12.00	4.00	4.00
Pioneer Red Steer 15-0-6	15.00		6.00
Pioneer Red Steer 15-4.11-5	15.00	4.11	5.00
Pioneer Red Steer 18% Acid Phosphate Fertilizer	18.00		
Pioneer Red Steer 20% Acid Phosphate Fertilizer	20.00		
Pioneer Special Bone Meal Fertilizer	*22.90	3.00	
Pioneer Steamed Bone Meal Fertilizer	*29.00	1.86	
Pioneer Steamed Bone Meal Fertilizer	*29.00	1.03	

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Swift & Co., Harvey and Shreveport, La., Houston, Texas—Continued.			
Swift's Sulphate of Ammonia.....		20.56	.....
Swift's Sulphate of Potash.....		49.00	.....
Vigoro.....	12.00	4.00	4.00
Temple Cotton Oil Company, North Little Rock, Ark.—			
Quapaw 8-4-4.....	8.00	4.00	4.00
Quapaw 8-4-6.....	8.00	4.00	6.00
Quapaw 10-2-2.....	10.00	2.00	2.00
Quapaw 10-3-3.....	10.00	3.00	3.00
Quapaw 10-4-0.....	10.00	4.00	.....
Quapaw 10-4-2.....	10.00	4.00	2.00
Quapaw 12-0-4.....	12.00	.....	4.00
Quapaw 12-2-2.....	12.00	2.00	2.00
Quapaw 12-4-4.....	12.00	4.00	4.00
Quapaw 16% Acid Phosphate.....	16.00	.....	.....
Quapaw 18% Acid Phosphate.....	18.00	.....	.....
Quapaw Kainit.....	.....	.....	14.00
Quapaw Muriate of Potash.....	.....	.....	50.00
Quapaw Nitrate of Soda.....	.....	15.00	.....
Terrell Oil and Refining Co., Wills Point, Texas—			
Cotton Seed Fertilizer (5.76).....	.....	5.76	.....
"Cotton Seed Fertilizer".....	.....	6.88	.....
Semper Fidelis 8-4-4 Fertilizer.....	8.00	4.00	4.00
Semper Fidelis 12-3-3 Fertilizer.....	12.00	3.00	3.00
Semper Fidelis 12-4-4.....	12.00	4.00	4.00
Semper Fidelis 16% Acid Phosphate.....	16.00	.....	.....
Semper Fidelis 18% Acid Phosphate.....	18.00	.....	.....
Semper Fidelis "Extra Good".....	10.00	4.00	2.00
Semper Fidelis Manure Salts.....	.....	.....	20.00
Semper Fidelis Muriate of Potash.....	.....	.....	50.00
Semper Fidelis Nitrate of Soda.....	.....	15.00	.....
Semper Fidelis "Phospho Meal".....	8.00	3.00	3.00
Semper Fidelis Sulphate of Ammonia.....	.....	20.00	.....
Semper Fidelis "Special".....	10.00	2.00	2.00
Semper Fidelis "Sure Crop".....	10.00	3.00	3.00
Tennessee Coal, Iron and Railroad Co., Birmingham, Ala.—			
Sixteer Per Cent Duplex Basic Phosphate.....	*16.00	.....	.....
Texas Chemical Co., Houston, Texas—			
T. C. C. Brand Raw Bone Meal.....	*22.00	3.70	.....
Louis Tobian & Company, Dallas, Texas—			
Tobian Brand Fertilizer Cotton Seed Meal.....	.....	6.88	.....
Tri-State Fertilizer Co., Shreveport, La.—			
Red Diamond 8-3-3 Fertilizer.....	8.00	3.00	3.00
Red Diamond 10-2-2 Fertilizer.....	10.00	2.00	2.00
Red Diamond 10-4-2 Fertilizer.....	10.00	4.00	2.00
Red Diamond 12-0-4 Fertilizer.....	12.00	.....	4.00
Red Diamond 16% Acid Phosphate.....	16.00	.....	.....
Red Diamond 18% Acid Phosphate.....	18.00	.....	.....
Red Diamond Big Boll Prolific.....	12.00	2.00	2.00
Red Diamond Cotton & Corn Grower.....	10.00	3.00	3.00
Red Diamond Cotton and Corn Special.....	12.00	4.00	4.00
Red Diamond Nitrate of Soda.....	.....	14.81	.....
Virginia-Carolina Chemical Co., Shreveport, La.—			
BBB Beef, Blood and Bone.....	10.00	2.00	2.00
Eureka Complete Fertilizer.....	12.00	2.00	2.00
Georgia State Grange.....	10.00	2.00	2.00
Kainit.....	.....	.....	12.40

*Total Phosphoric Acid.

Table 8—Registration of Commercial Fertilizers, Season 1925-1926—(continued)

Manufacturer, Place of Business and Brand	Phosphoric Acid— Available Per Cent	Nitrogen—Per Cent	Potash—Per Cent
Virginia-Carolina Chemical Co., Shreveport, La.—Continued.			
Mobile Double Eagle Guano	10.00	2.00	2.00
Mobile Soluble Guano	12.00	3.00	
Muriate of Potash			50.00
Nitrate of Soda		14.81	
Royal Blood, Bone and Potash	10.00	12.00	2.00
Royal Cotton Boll Guano	10.00	2.00	2.00
Royal Fruit Grower	8.00	3.00	5.00
Royal High Grade Guano	10.00	2.00	2.00
Royal Potash Compound	12.00		4.00
Royal Tomato Formula	12.00	2.00	2.00
Royal Vegetable Fertilizer	8.00	3.00	3.00
Scott's Gossypium Phospho Special	10.00	2.00	2.00
Scott's High Grade Acid Phosphate	16.00		
Scott's Potasso Phospho	12.00		4.00
Scott's State Standard Guano	10.00	2.00	2.00
Sulphate of Potash			48.00
V. C. 16% Acid Phosphate	16.00		
V. C. 18% Acid Phosphate	18.00		
V. C. 20% Acid Phosphate	20.00		
V. C. Fruit and Truck Special	10.00	6.00	7.00
V. C. High Grade Champion Compound	10.00	3.00	3.00
V. C. High Grade Dixie Special	10.00	4.00	2.00
V. C. High Grade Guano	10.00	2.00	2.00
V. C. High Grade Potash Compound	12.00		4.00
V. C. High Grade Top Dresser	9.00	6.00	3.00
V. C. Plant Food (for vegetables, lawns and flowers)	8.00	4.92	3.00
V. C. Rice Special	10.00	2.00	2.00
V. C. Special 7-5-5 Fertilizer	7.00	5.00	5.00
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	
V. C. Special 10-2-2 Fertilizer	10.00	2.00	2.00
V. C. Special 10-3-3 Fertilizer	10.00	3.00	3.00
V. C. Special 10-4-0 Fertilizer	10.00	4.00	
V. C. Special 10-4-2 Fertilizer	10.00	4.00	2.00
V. C. Special 12-2-2 Fertilizer	12.00	2.00	2.00
V. C. Special 12-3-0 Fertilizer	12.00	3.00	
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 15-0-6 Fertilizer	15.00		6.00
V. C. Soluble Guano	12.00	3.00	
V. C. Super-Thirty Fertilizer	18.00	6.00	6.00
V. C. Tomato Special	12.00	2.00	2.00
V. C. Truck Grower	8.00	4.00	6.00
V. C. XXX Special	10.00	4.00	2.00
Waldo Fertilizer Co., Waldo, Ark.—			
Cotton Seed Meal Fertilizer		7.00	
Kainit			14.00
Muriate of Potash			50.00
Nitrate of Soda		14.50	
Victory 16% Acid Phosphate	16.00		
Victory 18% Acid Phosphate	18.00		
Victory Brand 8-3-3	8.00	3.00	3.00
Victory Brand 8-4-4	8.00	4.00	4.00
Victory Brand 8-4-6	8.00	4.00	6.00
Victory Brand 10-2-2	10.00	2.00	2.00
Victory Brand 10-3-3	10.00	3.00	3.00
Victory Brand 10-4-0	10.00	4.00	0.00
Victory Brand 12-0-4	12.00		4.00
Victory Brand 12-4-0	12.00	4.00	
Victory Brand 12-4-4	12.00	4.00	4.00
Victory Brand 15-4.11-5	15.00	4.11	5.00
Victory Brand 18-6-6	18.00	6.00	6.00
Western Packing Co., Amarillo, Texas—			
Wespak Tankage Fertilizer	9.00	4.00	

*Total Phosphoric Acid.