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ANALYSES OF OFFICIAL FERTILIZER SAMPLES

by the

FEED AND FERTILIZER DEPARTMENT

KENTUCKY AGRICULTURAL EXPERIMENT STATION

Semi-Annual Report

January-June, 1952



UNIVERSITY OF KENTUCKY, LEXINGTON

28224

TABLE 1 - Analyses of Inspection Samples of Mixed Fertilizers,
Superphosphate, and Fertilizer Salts,
January - June 1952

Analyses deficient by more than one-fourth of one percent and relative values deficient by more than \$1.00 per ton are underlined. Footnotes are given when the guarantee for sulfate was not met.

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
ALLIED CHEMICAL & DYE CORPORATION, Solvay Process Division, New York, N. Y.					
16% Nitrate of Soda					
8880 M. C. Roberts Coal & Feed Co., South Irvine	16.12	....	....	48.0	48.4
ALLIED CHEMICAL & DYE CORPORATION, The Barrett Division, New York, N. Y.					
16% Nitrate of Soda					
9479 Julius and Carl Fister, Lexington	16.40	....	....	48.0	49.2
32% Nitrogen Solution					
0048 Bartlett & O'Bryan, Owensboro	32.99	....	....	64.0	66.0
THE AMERICAN AGRICULTURAL CHEMICAL CO., Cincinnati, Ohio					
6-10-4 (Muriate)					
9341 J. H. Fedders and Son, Covington	6.04	<u>9.65</u>	4.54	36.0	36.2 ^a
6-8-6 (Sulfate)					
8823 J. M. Milling Co., Frankfort	5.89	8.80	6.04	35.6	36.4
8862 Bradley's Grocery, Moorefield	5.97	8.30	5.78	35.6	35.7
9031 Douglas McLoney, Cynthiana	5.92	8.73	6.06	35.6	36.4
9138 Bedford and Tuttle, Winchester	5.97	8.80	6.25	35.6	36.8
9221 Lebanon Carriage & Implement Co., Lebanon	5.87	8.60	6.36	35.6	36.4
9222 Anderson Ice Co., Lawrenceburg	<u>5.70</u>	8.60	6.64 ^a	35.6	36.4
9223 Woodson Lewis, Greensburg	<u>5.79</u>	8.30	5.99	35.6	35.5
9342 Roberts Brothers, Burlington	5.78	8.90	5.88	35.6	36.1
9467 J. W. Davidson, Science Hill	5.94	9.00	6.15	35.6	36.8
9733 Weisenberger Flour Mills, Midway	<u>5.54</u>	9.00	<u>5.62</u>	35.6	35.5
9791 Bedford and Tuttle, Winchester	<u>5.90</u>	8.40	<u>5.96</u>	35.6	35.8
6-8-6 (Muriate 3, Sulfate 3)					
9224 Lander Hardware Co., LaFayette	6.04	8.40	6.07	35.6	36.2
9343 Rowland Hdwe. & Feed Co., Owensboro	6.08	8.30	6.26	35.6	36.4
5-10-10 (Muriate)					
9636 L. F. Wellman, Louisa	4.97	10.50	10.56	40.0	41.1

a. Excess muriate equivalent to 0.55 percent potash

11530

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
THE AMERICAN AGRICULTURAL CHEMICAL CO., (Cont'd)					
4-12-8 (Muriate)					
9225 Lander Hardware Co., LaFayette	4.55	<u>11.28</u>	8.02	38.4	38.7
9226 Lebanon Carriage & Implement Co., Lebanon	3.88	12.00	7.82	38.4	38.0
9344 Rowland Hdwe. & Feed Store, Owensboro	4.27	12.00	8.26	38.4	39.2
4-12-8 (Sulfate)					
8824 J. M. Milling Company, Frankfort	4.05	<u>11.30</u>	8.36	38.4	38.0
4032 Millersburg Coal & Lumber Co., Millersburg	3.97	<u>11.60</u>	8.26	38.4	38.1
9033 Crab Orchard Lbr. Co., Crab Orchard	3.95	<u>11.48</u>	8.30	38.4	38.0
9139 Bedford and Tuttle, Winchester	3.93	<u>12.30</u>	8.28	38.4	39.0
9345 John A. Sheehan, Falmouth	3.91	12.20	8.26 ^b	33.4	38.8
9346 A. T. Hayes & Son, Glendale	3.89	12.20	8.00	38.4	38.4
9520 Ravenna Grocery Co., Ravenna	3.95	12.10	8.30	38.4	38.7
9637 Mayes & Helm, Perryville	3.96	12.00	8.35	38.4	38.7
9792 Bedford and Tuttle, Winchester	4.04	<u>11.55</u>	7.99	38.4	37.9
0053 Henderson and Hardy, Shepherdsville	4.01	<u>11.50</u>	8.57	38.4	38.4
4-12-4 (Muriate)					
9347 Rowland Hdw. & Seed Store, Owensboro	4.19	12.20	4.35	34.4	35.4
4-8-12 (Sulfate)					
8863 Bradley's Grocery, Moorefield	4.12	8.10	12.18	37.6	38.1
8985 Baughman Milling Co., Stanford	4.18	8.60	<u>11.74</u>	37.6	38.4
9034 Douglas McLoney, Cynthiana	4.03	8.60	<u>12.26</u>	37.6	38.6
9227 Anderson Ice Co., Lawrenceburg	3.87	8.28	12.17	37.6	37.9
9734 Weisenberger Flour Mill, Midway	4.11	8.70	12.34	37.6	39.0
0054 Walters and Thompson, Shelbyville	3.95	8.30	12.34	37.6	38.2
3-12-12 (Muriate)					
9348 Rowland Hdw. & Feed Store, Owensboro	3.05	12.00	12.01	40.4	40.5
9521 Ravenna Grocery Co., Ravenna	3.04	12.10	12.14	40.4	40.7
0055 Johnson Brothers, Lexington	2.95	12.30	11.80	40.4	40.5
9956 Walters & Thompson, Shelbyville	3.05	12.00	11.90	40.4	40.4
3-9-6 (Muriate 3, Sulfate 3)					
9349 John A Sheehan, Falmouth	2.94	9.70	5.79	30.8	31.3
2-12-6 (Muriate)					
9228 Lebanon Carriage & Implement Co., Lebanon	2.03	<u>11.67</u>	5.98	32.4	32.1
9350 Rowland Hdw. & Feed Store, Owensboro	2.06	<u>11.60</u>	6.16	32.4	32.2
9351 Henderson and Hardy, Shepherdsville	1.99	<u>11.93</u>	5.82	32.4	32.1
9468 McDonald Hardware Co., Eubanks	2.03	11.93	6.24	32.4	32.6
9638 L. F. Wellman, Louisa	1.89	12.30	6.72	32.4	33.3
0-12-12 (Muriate)					
9229 Lebanon Carriage and Implement Co., Lebanon	....	12.13	12.72	32.4	35.3

b: Excess muriate equivalent to 0.39 percent potash

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
THE AMERICAN AGRICULTURAL CHEMICAL CO., (Cont'd) Cincinnati, Ohio					
18% Superphosphate					
8811 Walters & Thompson, Shelbyville	.....	18.90	....	23.4	24.6 ^a
8929 Coifey Store, Yosemite,	.....	<u>17.40</u>	....	23.4	22.6
9230 Lebanon Carriage & Implement Co., Lebanon	.....	18.30	....	23.4	23.8
AMERICAN CYANAMID CO., New York, N. Y.					
33.50% Ammonium Nitrate "Aeroprills"					
8986 Harralson Seed Company, Owensboro	33.96	.....	....	67.0	67.9
9793 Mt. Vernon Produce Co., Mt. Vernon	33.76	.....	....	67.0	67.5
ARMOUR FERTILIZER WORKS, Cincinnati, O., Nashville, Tenn., Jeffersonville, Ind.					
12-12-12(Muriate) "Big Crop Brand"					
8864 Land-O'Nan Warehouse, Sturgis	<u>10.72</u>	11.90	<u>11.37</u>	58.4	<u>55.1</u> ^a
9522 Harralson Seed Company, Owensboro	<u>11.12</u>	12.40	<u>11.72</u>	58.4	<u>56.8</u>
6-8-6 (Muriate) "Big Crop Brand"					
8865 Birmingham Milling Co., Benton	<u>5.64</u>	8.40	6.58	35.6	35.9 ^a
8987 Harralson Seed Company, Owensboro	<u>5.73</u>	8.90	6.29	35.6	36.4
9523 H. B. McCleary, Auburn	<u>5.86</u>	8.90	6.73	35.6	37.1
6-8-6 (Sulfate) Armour's					
8803 Anderson and Spilman, Danville	<u>5.72</u>	8.50	6.39 ^c	35.6	36.0
8825 H. L. Sparks, North Pleasureville	<u>5.84</u>	8.10	6.17	35.6	35.6
8826 Sphar and Co., Winchester	<u>5.82</u>	8.00	6.19	35.6	35.4
8827 Watkins Brothers, Smithfield	<u>6.04</u>	8.00	6.21	35.6	35.9 ^a
8866 Hester & Porter Motor Co., Hustonville	<u>5.86</u>	7.75	6.47	35.6	35.5
8988 Harralson Seed Co., Owensboro	<u>5.67</u>	8.60	6.36	35.6	36.0
9036 Willoughby Supply Co., Richmond	<u>5.99</u>	8.70	5.99	35.6	36.3
9037 Irvington Truck Lines, Irvington	<u>5.77</u>	8.00	6.58	35.6	35.7 ^a
9038 Neal B. Whittaker, Richmond	<u>5.78</u>	8.20	6.34	35.6	35.7
9141 Eldon Welch, Park City	<u>4.58</u>	9.45	6.17 ^d	35.6	34.7
9142 The Farmers Service Store, Jamestown	<u>5.97</u>	9.03	6.36	35.6	37.1
9143 D. H. Tate, Monticello	<u>6.06</u>	8.10	6.32	35.6	36.2 ^a
9144 Yopp Seed Company, Paducah	<u>6.21</u>	11.10	6.16	35.6	39.9
9232 The Peoples Store, Owingsville	<u>6.05</u>	8.00	5.96	35.6	35.7
9233 Globmyer Lumber and Coal Co., Carrollton	<u>5.67</u>	8.20	6.34	35.6	35.5 ^a

c. Excess muriate equivalent to 0.87 percent potash

d. Excess muriate equivalent to 1.95 percent potash

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers,
Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS, (Cont'd) Cincinnati, Ohio					
6-8-6 (Sulfate) Armour's (Cont'd)					
9352 Harold Bailey, Corinth	6.08	8.10	6.06	35.6	35.9
9469 Farmers Supply Company, Whitesburg	5.70	9.20	6.70	35.6	37.1
9470 Howard Wholesale Co., Allen	5.77	9.20	6.04	35.6	36.6
9471 Salyersville Wholesale Grocery Salyersville	6.12	8.60	5.90	35.6	36.5
9524 Hatter Hardware Co., Frankfort	5.98	8.60	6.55	35.6	36.8
9125 Farmers Supply Company, Eminence	5.92	8.50	6.37	35.6	36.4
5-10-16 (Sulfate) Armour's					
8774 S. A. Hill, Danville	4.87	9.95	16.46	46.0	46.1
8775 Sphar and Company, Winchester	5.05	10.35	15.44	46.0	46.0
8867 Carlisle Mill & Supply Co., Carlisle	5.00	10.40	15.68	46.0	46.2
8868 Sphar and Company, Winchester	5.03	9.90	16.01	46.0	46.0
8930 D. C. Norris, McKinney	4.77	9.75	16.30	46.0	45.5
8989 Saufley and Bell, Stanford	4.79	9.80	16.76	46.0	46.1
9234 Smith and Barnett, Campbellsburg	4.61	10.20	15.59	46.0	45.1
9235 Farmers Supply Company, Eminence	4.70	10.13	15.71	46.0	45.3
9353 Sam Ryle, Burlington	4.92	10.68	15.22	46.0	45.9
9472 Marattay Brothers, Taylorsville	4.68	10.50	15.34	46.0	45.3
9525 Bryant and Bodkin, Berea	4.87	10.10	16.26	46.0	46.1
9735 Farmers Union Supply, Versailles	4.85	9.90	15.68	46.0	45.3
5-10-10 (Muriate) "Vertagreen Brand"					
8804 Anderson and Spilman, Danville	4.81	10.40	9.97	40.0	40.1
8812 R. E. Young, Providence	5.01	10.10	9.93	40.0	40.1
8990 Harralson Seed Company, Owensboro	4.95	10.25	9.53	40.0	39.7
9039 Irvington Truck Lines, Irvington	4.85	10.10	10.24	40.0	40.1
9526 H. B. McCleary, Auburn	4.95	10.10	10.34	40.0	40.4
9639 Anderson and Spilman, Danville	4.92	10.40	10.33	40.0	40.7
5-10-10 (Sulfate) Armour's "Vertagreen"					
8776 S. A. Hill, Danville	4.93	10.00	10.54	40.0	40.4
8828 Watkins Brothers, Smithfield	4.88	10.20	10.27	40.0	40.3
8869 Carlisle Mill & Supply Co., Carlisle	4.66	10.40	9.89	40.0	39.7
8870 T. G. Smither, Bagdad	4.91	10.00	10.57	40.0	40.4
8931 W. C. Blair, Russell Springs	5.07	9.90	10.07	40.0	40.1
9040 J. C. Everett and Co., Maysville	5.11	10.30	9.98 ^e	40.0	40.6
9041 J. T. Beard Feed Store, Croton	4.95	10.30	9.99	40.0	40.3
9145 Garlen Roy, Font Hill	5.17	10.40	9.92	40.0	40.7
9146 Thomerson Milling Co., Glasgow	5.23	10.10	10.05 ^f	40.0	40.6

e. Excess muriate equivalent to 4.33 percent potash

f. Excess muriate equivalent to 1.78 percent potash

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS (Cont'd)					
5-10-10 (Sulfate) Armour's "Vertagreen" (Cont'd)					
9236 W. A. Herrick, Simpsonville	5.20	10.20	9.08	40.0	39.7
9237 Forbes Hardware Co., Hopkinsville	5.14	9.85	10.46 ^g	40.0	40.6 ⁱ
9354 Sam Ryle, Burlington	5.01	10.20	9.98	40.0	40.2
9736 Elkins and Rose, Stillwater	4.99	10.60	9.96	40.0	40.7
0058 D.H. Tate, Monticello	5.16	10.00	10.94	40.0	41.3 ⁱ
0059 Roy Burris, Zula	4.96	9.90	9.88	40.0	39.7
5-10-5 (Muriate) "Vertagreen"					
8871 Hall Seed Company, Louisville	4.95	9.65	5.53	35.0	35.0 ⁱ
9147 Camargo Farmers Supply, Camargo	5.19	10.30	5.45	35.0	36.2
4-24-12 (Muriate) "Big Crop Brand"					
9042 H. P. Smith, Hodgenville	4.32	23.53	11.37	56.8	56.3
4-16-16 (Muriate) "Big Crop Brand"					
9355 Sam Ryle, Burlington	4.06	16.20	15.39	51.2	51.0
4-12-8 (Muriate) "Big Crop Brand"					
8872 Birmingham Milling Co., Benton	3.68	12.00	8.07	38.4	37.8
8991 Harralson Seed Co., Owensboro	3.63	12.00	7.93	38.4	37.6
9356 Big Four Feed & Implement Co., Scottsville	3.85	11.90	8.09	38.4	38.1 ⁱ
9527 G. C. Cornett, Cumberland	3.85	12.10	8.36	38.4	38.6
9794 G. W. Bowling and Sons, Catlettsburg	4.07	11.90	8.59	38.4	39.0
4-12-8 (Sulfate) Armour's					
8829 London Hardware Co., London	3.84	12.00	8.33	38.4	38.4
8873 Camargo Farmers Supply, Camargo	3.87	12.20	8.24	38.4	38.6
8874 T. G. Smither, Bagdad	3.96	12.00	8.57	38.4	38.9
8932 B. C. Norris, McKinney	3.87	12.00	8.32	38.4	38.5 ⁱ
9148 Cave City Ice and Coal Co., Cave City	3.89	12.60	8.32	38.4	39.2
9149 Bale Hardware & Implement Co., Horse Cave	4.08	11.88	8.08	38.4	38.5
9238 Forbes Hdwe. Co., Hopkinsville	3.82	12.30	8.30	38.4	38.7 ⁱ
9357 Webster Hardware Co., Jonesville	4.03	12.10	8.10	38.4	38.7
9473 Jasper Produce Company, Science Hill	3.93	12.50	8.10	38.4	39.0
9640 F. B. Marksby, Lancaster	3.80	12.08	8.35 ^h	38.4	38.5
9795 Keith and Lykins, Springdale	3.94	12.00	8.31	38.4	38.6 ⁱ
0060 Roy Burris, Zula	3.82	11.45	8.24 ⁱ	38.4	37.6
0061 Carlisle Mill & Supply Co., Carlisle	4.08	12.05	8.03 ^j	38.4	38.7
0126 H. L. Sparks, North Pleasureville	3.99	12.08	8.69	38.4	39.1

g. Excess muriate equivalent to 0.47 percent potash

h. " " " " 0.32 " "

i. " " " " 0.50 " "

j. " " " " 0.55 " "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Sales---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS, (Cont'd)					
4-12-4 (Muriate) "Big Crop Brand"					
8992 Harralson Seed Co., Owensboro	3.99	12.00	4.22	34.4	34.6
9043 Douglas McLoney, Cynthiana	4.08	12.00	4.45	34.4	35.0
9044 Wallace Hardware Co., Central City	3.77	12.00	4.27	34.4	34.2
9358 Truman Hollinsworth, Tompkinsville	3.68	12.00	4.45	34.4	34.2
9528 Owen Ayers, Morgantown	4.04	12.10	4.68	34.4	35.3
3-12-12 (Muriate) "Big Crop Brand"					
8777 Camargo Farmers Supply, Camargo	3.00	11.83	12.80	40.4	41.0
8813 M. F. Bryant and Sons, Sebree	3.10	12.20	11.82	40.4	40.7
8875 Birmingham Milling Co., Benton	3.29	11.85	11.62	40.4	40.4
9359 Sam Ryle, Burlington	3.01	11.90	12.09	40.4	40.4
9360 Henderson and Hardy Co., Shepherds- ville	2.89	11.40	11.98	40.4	39.4
9474 Farmers Supply Company, Whitesburg	2.99	12.30	12.24	40.4	41.0
9529 Ravenna Grocery Co., Ravenna	2.97	11.73	12.16	40.4	40.2
3-12-12 (Sulfate) Armour's					
8993 Harralson Seed Company, Owensboro	2.82	12.20	11.67	40.4	40.0
9045 Kent Miller's Store, Sacramento	2.89	12.10	11.81	40.4	40.1
0062 Farmers Service Store, Jamestown	3.28	12.20	12.01 ^k	40.4	41.2
3-12-6 (Muriate) Old Black Joe					
8814 M. F. Bryant and Sons, Sebree	3.11	12.00	6.03	34.4	34.7
8876 Sphar and Co., Winchester	3.00	11.60	6.40	34.4	34.3
8933 H. B. McCleary, Auburn	3.30	11.85	6.37	34.4	35.2
8934 B. C. Norris, McKinney	3.02	11.90	6.25	34.4	34.6
9046 Willoughby Supply Company, Richmond	2.95	12.08	6.01	34.4	34.4
9150 E. M. Love, Elihu	2.93	12.10	6.02	34.4	34.4
9151 Gibson Produce Co., Monticello	3.12	12.10	6.07	34.4	35.8
9152 Thomerson Milling Co., Glasgow	3.01	12.03	5.91	34.4	34.4
9153 D. H. Tate, Monticello	3.13	12.20	6.11	34.4	35.0
9239 Macon Thompson, Dunmor	3.12	11.50	7.45	34.4	35.5
9240 The Peoples Store, Owingsville	2.74	12.10	6.17	34.4	34.2
9361 A. C. Roberts, Scottsville	3.13	12.00	6.13	34.4	34.8
9362 J. L. Wilson, Canmer	3.08	11.83	6.50	34.4	34.9
9475 Marattay Brothers, Taylorsville	3.16	11.80	6.36	34.4	34.8
9530 Camargo Farmers Supply, Camargo	3.20	12.80	4.60	34.4	34.4
9531 Ravenna Grocery Co., Ravenna	2.98	11.90	6.81	34.4	35.1
9737 Elkins and Rose, Stillwater	2.94	12.20	6.09	34.4	34.6
0063 Wallace Hardware Co., Carrollton	3.06	11.25	6.19	34.4	33.8
0064 W. C. Blair, Russell Springs	3.04	12.05	6.26	34.4	34.8

^k Excess muriate equivalent to 6.22 percent potash

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS, (Cont'd)					
3-9-6 (Muriate) "Big Crop Brand"					
8815 M. F. Bryant & Sons, Sebree	2.90	9.40	5.96	30.8	31.0
8830 D. S. Barnett, Keavy	3.05	9.50	6.21	30.8	31.7
9154 Thomerson Milling Co., Glasgow	3.12	9.30	6.58	30.8	32.0
9241 The Peoples Store, Owingsville	3.19	9.20	6.73	30.8	32.2
9363 P. L. Poynter, Livingston	3.07	9.20	5.95	30.8	31.1
9364 S. D. Harlan Company, Gamalie	3.05	9.38	5.96	30.8	31.3
9365 W. D. Bryant, Williamsburg	3.25	8.78	7.32	30.8	32.4
9476 Howard Wholesale Co., Allen	3.43	10.38	6.62	30.8	33.9
9477 Salyersville Wholesale Grocery Co., Salyersville	3.17	9.00	6.98	30.8	32.1
9532 Southern Mining Co., Insull	2.79	9.20	6.32	30.8	30.9
9533 T. E. Gabbard, Tyner	3.19	9.40	6.58	30.8	32.2
9534 Harralson Seed Company, Owensboro	3.10	9.00	5.92	30.8	30.9
9641 Williams Grocery Co., Paintsville	2.85	8.88	5.91	30.8	30.3
3-9-6 (Sulfate) Armour's					
9155 Cave City Ice & Coal Co., Cave City	3.08	8.63	6.63	30.8	31.2
9242 The Peoples Store, Owingsville	3.20	9.50	6.65 ¹	30.8	32.5
9243 R. C. Pennington, Sharkey	3.21	9.20	6.22	30.8	31.7
9366 Mt. Sherman Hdwe. Co., Mt. Sherman	2.87	8.38	6.27	30.8	30.1
9642 Irvington Truck Lines, Irvington	3.23	9.40	6.05	30.8	31.8
9643 Loyd Yates & Son, Maud	3.18	9.00	5.96	30.8	31.7
9644 Green's Department Store, Sandy Hook	3.32	9.15	6.14	30.8	31.8
9796 Keith and Lykins, Springdale	3.17	9.20	6.21	30.8	31.6
2-12-6 (Muriate) "Big Crop Brand"					
8797 Jasper Produce Company, Science Hill	2.23	11.95	6.91	32.4	33.7
8816 R. E. Young, Providence	2.22	12.30	5.74	32.4	32.9
8831 Watkins Brothers, Smithfield	2.00	12.00	5.98	32.4	32.4
8832 Virgil Stallard, Olive Hill	2.08	12.00	6.75	32.4	33.3
9047 Farmers Supply Co., Hodgenville	2.26	12.10	6.21	32.4	33.3
9048 J. C. Everett and Co., Maysville	2.17	12.00	6.80	32.4	33.5
9049 Irvington Truck Lines, Irvington	2.07	12.00	5.85	32.4	32.4
9156 Eldon Welch, Park City	2.05	11.90	6.84	32.4	33.2
9244 H. L. Sparks, North Pleasureville	2.13	11.30	6.22	32.4	32.0
9245 Forbes Hardware Co., Hopkinsville	2.15	12.60	6.00	32.4	33.4
9246 R. C. Pennington, Sharkey	2.20	12.40	6.24	32.4	33.5
9247 F. C. Henry, Sulphur Well	2.04	11.68	6.11	32.4	32.2
9478 Coots and Girkey, Nancy	1.67	12.30	6.19	32.4	32.3
9535 Camargo Farmers Supply, Camargo	2.11	12.00	6.33	32.4	33.0
9536 Wilders Store, Pineville	2.02	11.62	6.26	32.4	32.2
9537 Hatter Hardware Co., Franklin	2.09	11.75	6.49	32.4	32.8

1. Excess muriate equivalent to 1.97 percent potash

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers,
Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS, (Cont'd)					
0-20-20 (Muriate) "Big Crop Brand"					
8778 Coffey Store, Yosemite	19.75	18.54	50.0	48.3
8995 Harralson Seed Co., Owensboro	18.00	23.16	50.0	50.8
9157 Liberty Hardware Co., Liberty	20.20	19.48	50.0	49.7
9158 Yopp Seed Company, Paducah	18.60	21.84	50.0	50.2
9065 Farmers Service Store, Jamestown	21.80	18.72	50.0	50.9
0-14-14 (Muriate) "Big Crop Brand"					
9066 J. R. Wallace, Cromwell	13.20	17.34	36.8	39.2
0-14-7 (Muriate) "Big Crop Brand"					
8833 Virgil Stallard, Olive Hill	14.00	7.43	29.8	30.2
9050 H. P. Smith, Hodgenville	13.68	7.72	29.8	30.1
9248 H. L. Sparks, North Pleasureville	13.95	6.75	29.8	29.5
9249 U. C. Janes and Son, Gradyville	14.00	7.14	29.8	29.9
9250 Forbes Hardware Co., Hopkinsville	14.80	7.65	29.8	31.4
9367 T. H. Coffey, Bond	14.00	7.95	29.8	30.8
9368 S. D. Harlan Co., Gamaliel	13.90	7.22	29.8	29.9
9538 Wilson Farm Supply, Trenton	13.70	7.01	29.8	29.5
9539 M. G. Pruitt Impl. Co., Bowling Green	14.90	7.51	29.8	31.4
9645 Caneyville Roller Mills, Caneyville	14.10	7.78	29.8	30.7
9646 Allen Coal Service, Brandenburg	14.00	7.25	29.8	30.1
9797 Keith and Lykins, Springdale	13.90	7.00	29.8	29.7
9798 C. E. Herrin, Willailla	14.00	6.87	29.8	29.7
0-12-12 (Muriate) "Big Crop Brand"					
8817 R. E. Young, Providence	12.60	11.78	32.4	32.9
9159 Yopp Seed Company, Paducah	12.90	11.56	32.4	33.0
9369 L. H. Gilley's Grocery, Lecta	11.85	11.86	32.4	32.1
9540 Ravenna Grocery Co., Ravenna	12.00	12.54	32.4	32.9
9541 M. G. Pruitt Implement Co. Bowling Green	13.40	13.61	32.4	35.7
9647 Caneyville Roller Mills, Caneyville	12.25	11.87	32.4	32.6
9799 Check-R-Board, Ashland	12.00	12.75	32.4	33.2
9800 Bale Hardware & Implement Co. Horse Cave	11.95	12.40	32.4	32.7
45% Superphosphate Armour's					
9160 McWhorter Produce Co., Albany	45.10	.....	58.5	58.6
20% Superphosphate "Big Crop Brand"					
8779 Coffey Store, Yosemite	20.00	.....	26.0	26.0
8818 J. E. Collins, Clay	20.00	.....	26.0	26.0
8834 H. L. Sparks, North Pleasureville	19.55	.....	26.0	25.4
8835 D. S. Barnett, Keavy	19.20	.....	26.0	25.0
8836 Virgil Stallard, Olive Hill	19.80	.....	26.0	25.7

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS, (Cont'd)					
20% Superphosphate "Big Crop Brand"					
8877 Thompson Feed and Farm Supply, Sharpsburg	<u>19.60</u>	.....	26.0	25.5
8878 Camargo Farmers Supply, Camargo	<u>19.70</u>	.....	26.0	25.6
8935 Jewell & Hayden Hardware Co., Bardstown,	20.00	.....	26.0	26.0
8996 Harralson Seed Company, Owensboro	20.40	.....	26.0	26.5
9051 H. P. Smith, Hodgenville	<u>19.70</u>	.....	26.0	25.6
9052 Hester and Porter Motor Co., Hustonville	19.90	.....	26.0	25.9
9053 J. T. Beard Feed Store, Crofton	<u>19.70</u>	.....	26.0	25.6
9161 Glasgow Trading Center, Glasgow	<u>20.43</u>	.....	26.0	26.6
9162 E. M. Love, Elihu	20.20	.....	26.0	26.3
9251 Globmyer Lumber & Coal Co., Carrollton	20.40	.....	26.0	26.5
9370 Hulett Hardware Co., Williamstown	20.30	.....	26.0	26.4
9648 F. B. Marksby, Lancaster	20.10	.....	26.0	26.1
9649 Anderson & Spilman, Danville	19.80	.....	26.0	25.7
18% Superphosphate					
9738 Henderson Feed & Commission Co., Henderson	18.80	.....	23.4	24.4
16% Nitrate of Soda					
9055 Wallace Hardware Co., Central City	16.24	.....	.....	48.0	48.7
0127 Farmers Supply Co., Whitesburg	16.28	.....	.....	48.0	48.8
33.50% Ammonium Nitrate					
9054 J. T. Beard Feed Store, Crofton	33.32	.....	.....	67.0	66.6
9252 Forbes Hardware Co., Hopkinsville	33.64	.....	.....	67.0	67.3
50% Muriate of Potash					
8997 Harralson Seed Company, Owensboro	<u>49.40</u>	45.0	44.5
8998 Saufley and Bell, Stanford	<u>51.88</u>	45.0	46.7
48% Sulfate of Potash					
8879 Hester and Porter Motor Co., Hustonville	51.24	52.8	56.4
8999 Harralson Seed Company, Owensboro	51.52 ^m	52.8	56.7
9056 Walker Supply Co., Richmond	51.92	52.8	57.1
9542 N. T. Nuckols, Elkton	51.08	52.8	56.2

m. Excess muriate equivalent to 1.22 percent potash

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
ASSOCIATED COOPERATIVES, INC., Sheffield, Alabama					
62% Calcium Metaphosphate					
9650 Southern States Cooperative Elizabethtown	....	62.35	.....	80.6	81.1
0067 Major's Poultry House, Central City	....	62.33	.....	80.6	81.0
48% Superphosphate					
9371 Bray and Co., Gamaliel	....	48.00	.....	62.4	62.4
9739 City Coal Co., Fulton	....	48.70	.....	62.4	63.3
47% Superphosphate					
9543 Southern States Cooperative, Carlisle	....	47.10	.....	61.1	61.2
9740 Graves County Soil Associated, Mayfield	....	47.15	.....	61.1	61.3
46% Superphosphate					
9651 W. C. Turner, Greensburg	....	46.60	.....	59.8	60.6
33% Ammonium Nitrate					
9544 Gibson Farm and Home Service Barbourville	33.44	.....	.....	66.00	66.9
0068 Major's Poultry House, Central City	33.84	.....	.....	66.0	67.7
20.50% Nitro-Lime Fertilizer					
9373 Graves County Soil Associated, Mayfield	20.64	.....	.....	49.2	49.5
0128 Calloway County Soil Improvement Association, Murray	20.52	.....	.....	49.2	49.3
BLUE GRASS PLANT FOODS Cynthiana					
6-8-12 (Muriate 3, Sulfate 9)					
9374 W. C. Gayle, Frankfort	6.04	9.00	11.91	41.6	42.8

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
BLUE GRASS PLANT FOODS, (Cont'd)					
Cynthiana					
6-8-6 (Muriate)					
8780 Ravenna Grocery, Ravenna	5.91	8.50	6.39	35.6	36.4
8881 Morris Allison, Bagdad	5.98	8.43	6.30	35.6	36.4
9480 Julius and Carl Fister, Lexington	5.88	7.90	6.60	35.6	35.8
6-8-6 (Sulfate)					
8781 Ravenna Grocery, Ravenna	5.92	8.30	6.39	35.6	36.2
8882 Morris Allison, Bagdad	5.81	8.20	6.54	35.6	36.0
9059 Mountain Dew Coal Co., Lexington	6.25	<u>7.43</u>	6.62	35.6	36.0
9060 W. E. Martin, Mt. Olivet	<u>5.73</u>	<u>8.40</u>	6.27	35.6	35.8
9653 Sandy Valley Grocery Co., Paintsville	<u>6.12</u>	8.10	6.62	35.6	36.6
0069 Tracy Trigg, Frankfort	6.00	8.03	6.86	35.6	36.5
4-8-16 (Muriate 4, Sulfate 12)					
9375 Orville Moore, Frankfort	4.05	8.80	<u>15.26</u>	41.6	41.9
0070 Tracy Trigg, Frankfort	3.93	8.20	<u>16.38</u>	41.6	42.1
0071 Little Rock Farm Supply, Little Rock	4.20	7.93	16.64	41.6	42.6
4-8-12 (Muriate 3, Sulfate 9)					
9163 Wells Produce Company, Carlisle	4.00	8.60	11.95	37.6	38.3
0072 Tracy Trigg, Frankfort	3.75	8.10	12.04	37.6	37.3
9481 Julius and Carl Fister, Lexington	4.13	8.60	<u>11.61</u>	37.6	38.2
3-12-12 (Muriate)					
9482 Julius and Carl Fister, Lexington	3.28	<u>10.98</u>	12.58	40.4	40.3
3-12-12 (Muriate 3, Sulfate 9)					
9000 Tracy Trigg, Frankfort	3.23	12.30	12.06	40.4	41.3
9376 W. C. Gayle, Frankfort	3.35	12.20	11.98	40.4	41.3
9483 Julius and Carl Fister, Lexington	3.25	<u>11.28</u>	12.74*	40.4	40.8
3-9-6 (Sulfate)					
9253 The Peoples Store, Owingsville	3.19	9.40	6.80	30.8	32.5
0-12-12 (Muriate)					
0073 Tracy Trigg, Frankfort	....	<u>11.30</u>	12.03	32.4	31.6
50% Sulfate of Potash					
9377 Orville Moore, Frankfort	....	.....	50.80	55.0	55.9
21.50% Sulfate of Potash Magnesia					
9484 Julius and Carl Fister, Lexington	22.78	43.0	45.6
0074 Wells Produce, Carlisle	21.78	43.0	43.6

* All potash from muriate

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers,
Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
BUHNER FERTILIZER CO., Seymour, Indiana					
6-8-6 (Muriate)					
9254 Hancock Feed Store, Middletown	5.80	8.80	6.33	35.6	36.5
9378 J. L. Wilson, Canmer	5.78	8.40	6.03	35.6	35.7
9654 Rizer Brothers, Bardstown	5.95	8.20	6.61	35.6	36.4
6-8-6 (Sulfate)					
9255 J. W. Settle Feed Store, Frankfort	<u>5.39</u>	8.70	7.50 ⁿ	35.6	36.7
9485 Edgewood Feed & Hardware Co. Louisville	5.76	9.20	6.60 ^o	35.6	37.2
9655 Rizer Brothers, Bardstown	<u>5.71</u>	8.00	7.95 ^p	35.6	37.0
4-12-8 (Muriate)					
9256 Hancock Feed Store, Middletown	4.06	12.00	8.43	38.4	39.0
0075 Fern Creek Feed and Hardware Co., Fern Creek	3.80	12.00	8.92	38.4	38.9
4-12-8 (Sulfate)					
0076 Shepherdsville Feed Mill, Shepherds- ville	4.31	12.20	8.61	38.4	39.9
4-4-16 (Sulfate)					
8937 Springfield Feed & Grain Co., Springfield	<u>3.74</u>	4.80	16.14	36.8	37.4
3-12-12 (Muriate)					
9257 J. W. Dawson, Lawrenceburg	2.84	12.00	12.72	40.4	40.8
3-12-12 (Sulfate)					
9258 Allison Shipp, Campbellsville	2.99	11.80	<u>11.08^q</u>	40.4	<u>39.2</u>
9741 J. W. Settle Feed Store, Frankfort	2.89	12.60	<u>11.95</u>	40.4	<u>40.9</u>
3-9-6 (Muriate)					
9486 Edgewood Feed & Hardware Co., Louisville,	2.96	9.10	5.13	30.8	30.0
0077 Felty Produce Company, Beaver Dam	2.99	9.00	<u>5.04</u>	30.8	29.8
0078 Shepherdsville Feed Mill, Shepherdsville	3.29	<u>8.65</u>	6.73	30.8	31.7
2-12-6 (Muriate)					
8938 D. L. Jesse, Columbia	2.14	11.80	6.22	32.4	32.7
9259 J. W. Dawson, Lawrenceburg	2.04	12.00	6.27	32.4	32.8
9487 Fern Creek Feed & Hardware Co., Fern Creek	2.05	11.80	6.91	32.4	33.2

n. Excess muriate equivalent to 1.44 percent potash

o. " " " " 1.29 " "

p. " " " " 1.13 " "

q. " " " " 0.26 " "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts ---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
BUHNER FERTILIZER CO., (Cont'd)					
2-12-6 (Muriate) Cont'd					
9656 Allison Shipp, Campbellsville	2.23	11.25	7.32	32.4	33.3
0001 J. W. Dawson, Lawrenceburg	2.10	12.00	7.17	32.4	31.8
0-15-15 (Muriate)					
9379 Shepherdsville Feed Mill, Shepherdsville	....	13.48	15.85	39.0	38.0
9488 Fern Creek Feed & Hardware Co., Fern Creek	....	14.10	15.32	39.0	38.2
0-12-12 (Muriate)					
8837 Fern Creek Feed and Hardware Co., Fern Creek	....	12.00	11.36	32.4	31.8
9380 Milton Edwards, Hardyville	....	11.70	12.32	32.4	32.4
BURLEY BELT PLANT FOOD WORKS, Lexington, Kentucky					
6-8-12 (Sulfate)					
9732 Judge W. J. Baxter, Nicholasville	5.98	8.20	12.04 ^r	41.6	41.8
0079 Southern States Cooperative, Carlisle	6.26	7.90	12.06 ^s	41.6	42.1
6-8-6 (Sulfate)					
8883 Southern States Cooperative, Carlisle	6.16	8.00	6.48	35.6	36.4
8939 Brack Noble, Jackson	6.01	8.20	6.08	35.6	35.9
9015 Ervin Smith, Hartford	5.95	8.30	6.06	35.6	35.9
9061 Richmond Farm Service, Richmond	6.05	8.00	6.05	35.6	35.8
9260 Southern States Cooperative, Frankfort	6.08	8.20	6.15	35.6	36.2
9657 L. F. Wellman, Louisa	6.14	8.05	6.37	35.6	36.3
0002 Southern States Cooperative, Flemingsburg	5.96	8.40	6.58	35.6	36.6
0129 Keeton Wholesale Co., Grassy Creek	5.97	8.00	6.18	35.6	35.7
5-10-16 (Sulfate)					
9001 Southern States Cooperative, Frankfort	4.95	10.20	16.24 ^t	46.0	46.4
9062 Southern States Cooperative, Cynthiana	4.96	9.85	16.21	46.0	46.0
9545 Southern States Cooperative, Carlisle	4.95	10.40	16.02 ^u	46.0	46.4
0130 Elwood Hulette, Frankfort	4.94	9.90	16.06 ^v	46.0	45.8

r. Excess muriate equivalent to 0.52 percent potash
s. " " " " 0.53 " "
t. " " " " 0.47 " "
u. " " " " 0.53 " "
v. " " " " 0.39 " "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
BURLEY BELT PLANT FOOD WORKS (Cont'd)					
4-12-8 (Sulfate)					
8782 A. C. Bogie, Winchester	4.17	<u>11.60</u>	8.33	38.4	38.6
9261 Peck Farmers Supply, Sharpsburg	4.57	<u>11.33</u>	7.20	38.4	37.9
9546 A. C. Bogie, Winchester	4.09	<u>11.70</u>	8.40	38.4	38.6
4-8-12 (Sulfate)					
9016 Ervin Smith, Hartford	3.89	8.20	12.70	37.6	40.9
9547 Southern States Cooperative, Carlisle	4.35	9.00	11.93	37.6	39.4
3-9-6 (Muriate)					
9017 Ervin Smith, Hartford	3.17	8.88	6.11	30.8	31.1
9658 L. F. Wellman, Louisa	3.24	<u>8.50</u>	6.35	30.8	31.0
9742 Brack Noble, Jackson	3.27	<u>8.90</u>	6.66	30.8	31.9
3-9-6 (Sulfate)					
9262 Peck Farmers Supply, Sharpsburg	3.11	9.10	6.27	30.8	31.4
9548 Jackson County Farm Service, McKee	3.23	8.75	6.53	30.8	31.5
9659 E. J. Vanhook, Moreland	3.09	8.88	6.24 ^w	30.8	31.1
9743 Cogar-Runley Co., Midway	3.23	9.30	6.44 ^x	30.8	32.1
60% Muriate of Potash					
9002 Southern States Cooperative, Frankfort	.....	.....	61.72	54.0	55.5
50% Sulfate of Potash "Burley Belt Brand"					
8783 C. T. Ashley and Co., Nicholasville	.....	.....	50.04	55.0	55.0
CHEMICAL FORMULATORS, N. Charleston, West Virginia					
3-9-6 (Muriate) "Chemform Brand"					
9381 Ashland Grocery Co., Ashland	2.87	<u>8.33</u>	7.92	30.8	31.7
9660 Guy Blair, Isonville	2.84	<u>8.45</u>	7.18	30.8	31.0
0131 Carter & Sadler Wholesale Co., Pikeville	2.87	10.10	<u>5.51</u>	30.8	31.4
CHILEAN NITRATE SALES CORPORATION, New York, N. Y.					
16% Nitrate of Soda, Chilean "Champion Brand"					
9164 Roscoe Morris, Somerset	16.16	.....	.....	48.0	48.5
0080 Farmers Supply Company, Somerset	16.20	.....	.....	48.0	48.6

w. Excess muriate equivalent to 2.58 percent potash

x. " " " " 2.03 " "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
COMMONWEALTH FERTILIZER COMPANY					
Russellville, Kentucky					
6-8-6 (Muriate) Indian Head Brand					
9549 Manufacturer's Warehouse	5.81	8.80	6.42	35.6	36.6
9744 M. G. Williams Implement Co., Hopkinsville	6.08	8.90	6.08	35.6	36.9
6-8-6 (Sulfate) Indian Head Brand					
9550 Jewell Jennings, Russellville	6.09	8.80	6.30	35.6	37.0
5-10-10 (Sulfate) Indian Head Brand					
8940 Manufacturer's Warehouse	5.08	10.20	9.99	40.0	40.4
4-12-8 (Muriate) Indian Head Brand					
9551 Manufacturer's Warehouse	4.25	12.00	7.92	38.4	38.8
9745 M. G. Williams Implement Co., Hopkinsville	4.23	12.60	8.13	38.4	39.7
3-9-6 (Muriate) Indian Head Brand					
8941 Manufacturer's Warehouse	3.01	9.10	5.94	30.8	30.9
9746 M. G. Williams Implement Co., Hopkinsville,	3.10	9.50	5.90	30.8	31.5
0081 Ruby Distributing Co., Central City	3.11	9.40	6.07	30.8	31.6
2-12-6 (Muriate)					
9747 M. G. Williams Implement Co., Hopkinsville	2.10	12.75	5.91	32.4	33.4
48% Sulfate of Potash "Indian Head Brand"					
0132 Arvin McCain, Hopkinsville	.....	.....	51.32	52.8	56.5
CONSOLIDATED CHEMICAL CORPORATION, Div. Price Chem. Co.					
Louisville, Kentucky					
6-8-8 (Muriate)					
9382 Henderson, Underwood Impl. Co., Hopkinsville	6.02	9.00	8.18	37.6	39.0
9489 Valley Farm Store, Valley Station	6.73	8.80	7.87	37.6	39.9
6-8-8 (Sulfate)					
9661 Charles & Willard Mann, Wellington	7.04	8.40	10.24 ^y	37.6	42.4
9662 Farmers Exchange, Lancaster	6.36	8.40	11.23 ^z	37.6	42.0
4-8-12 (Sulfate)					
9663 Burnette Implement Co., Vine Grove	4.08	9.50	11.80	37.6	39.4

y. Excess muriate equivalent to 0.90 percent potash
z. " " " " 0.47 " "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value		
				Guar.	Found	
CONSOLIDATED CHEMICAL CO., Div. Price Chem. Co., (Cont'd)						
3-9-6 (Muriate) Camel Brand						
9664 Chas. & Willard Mann, Wellington	3.24	9.10	6.79	30.8	32.2	
9665 Farmers Supply Center, Leitchfield	3.06	9.80	5.98	30.8	31.9	
2-12-6 (Muriate)						
9383 Stout's Feed Store, Mt. Washington	2.41	<u>11.07</u>	8.28	32.4	34.4	
COOPERATIVE FERTILIZER SERVICE Winchester, Kentucky						
6-8-6 (Sulfate) "Service Quality Brand" Open Formula						
8805 Southern States Cooperative, Danville	6.12	8.10	6.16	35.6	36.1	
8838 Clay County Farm Service, Manchester	5.81	8.90	6.50 ^a	35.6	36.8	
8884 Southern States Cooperative, Harrodsburg	6.13	8.10	6.26	35.6	36.2	
8885 Southern States Cooperative, Winchester	6.25	8.13	6.13	35.6	36.4	
8942 Johnson's Farm Supply, Lewisburg	6.12	8.80	6.42	35.6	37.2	
9063 Southern States Cooperative, Hopkinsville	6.13	8.20	6.24	35.6	36.4	
9263 Southern States Cooperative, LaGrange	6.28	8.40	6.08	35.6	36.7	
9666 Rowan Farmers Supply, Morehead	6.23	8.20	6.24	35.6	36.5	
9667 Farmers Supply Company, Paintsville	6.16	8.60	6.17	35.6	36.8	
0082 Major's Poultry House, Central City	6.17	8.70	6.41	35.6	37.2	
5-10-10 (Muriate) "Quality Super Brand" Open Formula						
8943 Shewmaker and Nally, Springfield	5.13	10.40	10.20	40.0	40.9	
8944 Southern States Cooperative, Bardstown	5.27	10.60	10.12	40.0	41.4	
8945 Pike County Hatchery, Pikeville	5.21	10.70	10.25	40.0	41.5	
9165 Southern States Cooperative, Paducah	5.22	10.90	10.57	40.0	42.1	
9668 Farmers Service Store, Hardinsburg	5.32	10.70	10.57	40.0	42.1	
9669 Rowan Farmers Supply, Morehead	5.32	10.60	10.60	40.0	42.0	
0003 Stinson Farm Supply, Horse Cave	5.15	10.20	10.28	40.0	40.8	
5-10-5 (Muriate) "Quality Brand" Open Formula						
9384 Farmers Supply, Harlan	5.07	10.40	5.69	35.0	36.3	
9552 Fields Grain and Feed Co., Cumberland	5.11	10.80	5.30	35.0	36.5	
4-16-8 (Muriate) "Service Quality Brand" Open Formula						
8839 Clay County Farm Service, Manchester	4.06	16.00	8.54	43.2	43.9	
8946 Southern States Cooperative, Lebanon	4.09	16.10	8.26	43.2	43.8	
9553 Slaughters Merchantile Co., Slaughters	4.11	16.40	8.57	43.2	44.5	
9670 Rowan Farmers Supply, Morehead	4.15	16.00	8.48	43.2	45.0	

a. Excess muriate equivalent to 0.28 percent potash

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)					
4-12-8 (Muriate) "Quality Super Brand" Open Formula					
9064 Richmond Farm Service, Richmond	4.41	12.60	8.57	38.4	40.5
9065 Morrison & Wallace, Hodgenville	4.49	12.50	8.72	38.4	40.7
9066 Southern States Cooperative, Hopkinsville	4.49	12.40	8.49	38.4	40.4
9166 Edmonson County Cooperative, Brownsville	4.14	11.45	8.29	38.4	38.3
9264 Southern States Cooperative, LaGrange	4.50	12.60	8.41	38.4	40.5
9385 Southern States Cooperative, Ashland	4.23	11.38	7.99	38.4	38.1
9671 T. L. Alley, Louisa	4.28	12.50	8.30	38.4	39.9
0004 Southern States Cooperative, London	4.16	11.95	8.54	38.4	39.2
0083 Major's Poultry House, Central City	4.18	12.30	8.59	38.4	39.7
0084 Farmers Supply Co., Monticello	4.30	11.70	8.38	38.4	39.0
0133 Perry County Farm Supply, Hazard	4.41	12.10	8.72	38.4	40.1
4-8-12 (Sulfate) Open Formula					
8840 Barnett's Farm Supply, North Pleasureville	4.02	8.00	12.12	37.6	37.8
8886 Southern States Cooperative, Winchester	4.10	8.40	11.98	37.6	38.3
8887 Southern States Cooperative, Campbellsville	3.99	8.30	12.21	37.6	38.2
8947 Adair Farmers Service, Columbia	4.04	8.20	12.01	37.6	37.9
9067 Harrison Brothers Farm Supply, Berea	3.96	8.60	12.29	37.6	38.5
9068 Bourbon Farm Service, Paris	3.98	8.10	12.32	37.6	38.0
9265 Southern States Cooperative, Owenton	3.91	8.68	12.26	37.6	38.5
9386 Womack Brothers, Grayson	4.10	8.50	12.62	37.6	39.0
9490 Southern States Cooperative, Louisville	4.20	8.60	12.03	37.6	38.8
9554 Southern States Cooperative, Russellville	4.18	8.80	12.27	37.6	39.2
9672 Farmers Supply Co., Paintsville	4.08	8.30	11.80	37.6	37.9
9748 Stanton Farmers Supply, Stanton	4.13	8.38	11.99	37.6	38.3
0134 Calloway County Soil Improvement Association, Murray	3.98	8.30	12.38	37.6	38.3
3-12-12 (Muriate) Open Formula					
8798 Allen County Farmers Service, Scottsville	2.95	11.45	12.47	40.4	40.1
8841 Henry County Farm & Home Service, Eminence	2.90	11.90	12.22	40.4	40.3
9069 Harrison Brothers Farm Supply, Richmond	2.95	11.80	12.54	40.4	40.6
9070 Southern States Cooperative, Elizabethtown	3.05	11.83	12.28	40.4	40.6
9167 Southern States Cooperative, Paducah	2.92	12.20	12.30	40.4	40.8
9168 Southern States Cooperative, Somerset	3.08	12.50	12.14	40.4	41.3

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)					
3-12-12 (Muriate) Open Formula (Cont'd)					
9169 Farmers Supply Company, Monticello	3.09	12.50	11.75	40.4	40.9
9387 Womack Brothers, Grayson	3.11	12.00	11.89	40.4	40.5
9388 Southern States Cooperative, Ashland	3.20	12.60	12.35	40.4	41.9
9555 Southern States Cooperative, Carlisle	3.34	12.60	12.00	40.4	41.8
9556 Southern States Cooperative, Russellville	3.11	12.80	12.38	40.4	42.0
9749 Stanton Farmers Supply, Stanton	3.32	12.00	11.80	40.4	40.8
3-12-6 (Muriate) "Quality Super Brand" Open Formula					
8948 Pike County Hatchery, Pikeville	3.12	12.30	6.39	34.4	35.4
8949 Southern States Cooperative, Lebanon	3.10	12.30	6.55	34.4	35.5
9170 Clinton Farmers Supply, Albany	3.12	11.90	6.47	34.4	35.0
9266 Henry County Farm & Home Service, Eminence	3.07	12.20	5.93	34.4	34.7
9267 Southern States Cooperative, Campbellsville	3.17	11.90	6.29	34.4	34.9
9389 Farmers Service Store, Tompkinsville	3.11	12.50	6.38	34.4	35.6
9750 Stanton Farmers Supply, Stanton	3.08	12.50	6.45	34.4	35.6
9751 Southern States Cooperative, Frankfort	2.97	12.60	6.50	34.4	35.6
0135 Perry County Farm Supply, Hazard	3.40	<u>11.60</u>	7.12	34.4	35.8
0-14-14 (Muriate) "Quality Brand"					
8888 Ralph Hovious, Hustonville	....	14.00	15.16	36.8	38.0
9072 Bourbon Farm Service, Paris	....	14.25	14.58	36.8	37.7
9171 Farmers Cash Store, Liberty	....	14.53	14.48	36.8	37.9
9557 Southern States Cooperative, Bowling Green	....	14.40	14.69	36.8	38.0
9558 Southern States Cooperative, Hopkinsville	....	14.20	15.38	36.8	38.4
9752 Stanton Farmers Supply, Stanton	....	14.10	14.56	36.8	37.5
0-14-14 (Muriate) with 3# Borax per 100# "Super Brand"					
9071 Southern States Cooperative, Georgetown (1)	....	14.63	14.69	36.8	38.3
9390 Farmers Service Store, Tompkinsville (2)	....	14.20	14.77	36.8	37.8
60% Muriate of Potash					
8806 Southern States Cooperative, Danville	....	.....	<u>59.36</u>	54.0	53.4
9268 Southern States Cooperative, Hopkinsville	....	.....	60.60	54.0	54.5
9559 Southern States Cooperative, Franklin	....	.....	60.48	54.0	54.4
9673 Southern States Cooperative, Campbellsville	....	.....	60.52	54.0	54.5

1. Boron guaranteed 0.34 percent - found 0.29 percent

2. " " 0.34 " - " 0.29 "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
COOPERATIVE FERTILIZER SERVICE (Cont'd)					
60% Muriate of Potash (Cont'd)					
0085 Southern States Cooperative, Shelbyville	....	.....	60.16	54.0	54.1
50.50% Sulfate of Potash					
8842 Southern States Cooperative, Frankfort	....	.....	50.36	55.6	55.4
8889 Southern States Cooperative, Carlisle	....	.....	50.40	55.6	55.4
8950 Farmers Exchange, Burkesville	....	.....	51.20	55.6	56.3
9073 Southern States Cooperative, Madisonville	....	.....	51.12	55.6	56.2
9560 Southern States Cooperative, Franklin	....	.....	50.76	55.6	55.8
COVINGTON FERTILIZER CO., Covington, Tennessee					
82% Anhydrous Ammonia					
0049 Covington Fertilizer Co., Morganfield	82.00	.....	.....	123.0	123.0
0050 Shaker Feed & Seed Co., South Union	81.75	.....	.....	123.0	122.6
CUMBERLAND CHEMICAL CO., Hopkinsville, Kentucky					
6-8-6 (Muriate)					
9391 Robinson Implement Co., Princeton	6.48	8.10	6.77	35.6	37.5
9561 Smith & Reynolds Co., Slaughters	6.05	9.10	6.75	35.6	37.8
6-8-6 (Muriate 3, Sulfate 3)					
9074 M. G. Williams Implement Company, Hopkinsville	6.64	8.50	6.50	35.6	38.0
4-12-8 (Muriate)					
9392 Robinson Implement Co., Princeton	4.26	<u>11.60</u>	9.26	38.4	39.7
9562 Smith and Reynolds Co., Slaughters	4.24	12.20	8.44	38.4	39.6
0136 Pyles & Goodwin, Crofton	3.95	11.83	8.85	38.4	39.0
3-12-12 (Muriate)					
9563 Smith and Reynolds, Slaughters	2.96	<u>11.70</u>	12.86	40.4	40.8
0137 Pyles and Goodwin, Crofton	3.21	<u>11.50</u>	12.67	40.4	40.9
2-12-6 (Muriate)					
9393 Robinson Implement Co., Princeton	2.23	<u>11.43</u>	6.50	32.4	32.7
0086 Ruby Distributing Company, Central City	2.00	12.30	6.81	32.4	33.6

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
CUMBERLAND CHEMICAL COMPANY (Cont'd)					
0-12-12 (Muriate)					
9075 M. G. Williams Implement Co., Hopkinsville	....	<u>11.25</u>	13.34	32.4	33.8
0138 Pyles and Goodwin, Crofton	....	<u>11.80</u>	12.77	32.4	32.9
50% Sulfate of Potash					
9564 Todd County Implement Company, Elkton	....	.....	50.24 ^b	55.0	55.3
THE DAVISON CHEMICAL CORPORATION, Hopkins Fertilizer Division, New Albany, Indiana					
6-8-6 (Muriate) "Old Time Brand"					
8843 D. C. Estill, Frankfort	5.84	8.00	6.45	35.6	35.7
8844 Buechel Produce Exchange, Buechel	<u>5.65</u>	8.30	6.60	35.6	35.9
9076 Summerhayes Lumber & Coal Co., Paris	<u>5.54</u>	9.20	6.81	35.6	36.9
9018 Henderson Feed and Commission Co., Henderson	5.91	8.80	6.24	35.6	36.6
9491 Buechel Produce Exchange, Buechel	5.98	8.80	6.52	35.6	37.0
6-8-6 (Sulfate) "Old Time Brand"					
8784 W. S. Allen Company, Liberty	5.84	8.50	7.00	35.6	36.9
8785 Wells Produce, Carlisle	5.83	8.30	6.87	35.6	36.5
8786 John Underwood & Son, Nicholasville	5.88	7.95	6.83	35.6	36.1
8890 J. H. Young, Bagdad	5.96	8.50	6.62	35.6	36.7
8891 The Big Store, Harrodsburg	5.91	8.70	6.67	35.6	36.9
9077 Summerhayes Coal & Lbr. Co., Paris	5.94	8.50	6.57	35.6	36.7
9172 Ward's Grocery, Munfordville	6.01	8.50	6.63	35.6	36.9
9269 Warsaw Hardware Store, Warsaw	6.13	8.60	6.39	35.6	37.0
9395 G. C. McPhetridge, London	<u>5.69</u>	8.30	7.93 ^c	35.6	37.3
0005 D. C. Estill, Frankfort	6.24	8.40	6.44	35.6	37.0
9753 Thompson's General Merchandise, Rosine	<u>5.09</u>	8.60	8.23 ^d	35.6	36.7
3-12-12 (Muriate) "Old Time Brand"					
8951 Springfield Feed & Grain Co., Springfield	3.13	12.10	12.65	40.4	41.4
0087 Buechel Produce Exchange, Buechel	3.21	12.00	12.06	40.4	40.9
9754 Thompson's General Merchandise, Rosine	3.45	<u>11.60</u>	<u>11.74</u>	40.4	40.6

b. Excess muriate equivalent to 0.56 percent potash

c. " " " " 1.05 " "

d. " " " " 3.20 " "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
THE DAVISON CHEMICAL CORPORATION, (Cont'd)					
Hopkins Fertilizer Division					
3-9-6 (Muriate) "Old Time Brand"					
9396 Brashear Market, Corbin	2.98	9.20	6.14	30.8	31.1
9565 Beckham Garland, Bimble	3.31	10.00	6.66	30.8	33.3
9755 Thompson's General Merchandise, Rosine	3.21	9.73	6.55	30.8	32.7
2-12-6 (Muriate) "Old Time Brand"					
8787 W. S. Allen Company, Liberty	1.97	11.90	7.66	32.4	33.9
8892 The Big Store, Harrodsburg	1.94	11.73	6.32	32.4	32.4
9173 Ward's Store, Munfordville	2.00	11.90	6.45	32.4	32.7
9270 Duncan-Hughes and Co., LaGrange	3.85	10.93	6.77	32.4	35.6
9397 A. E. Davis, Annville	2.23	12.20	6.46	32.4	33.6
9674 The Hoskins Store, Campbellsville	2.12	12.20	6.83	32.4	33.7
0088 Buechel Produce Exchange, Buechel	2.11	12.40	6.57	32.4	33.7
0-12-12 (Muriate) "Old Time Brand"					
9398 C. T. Barton, Williamsburg	....	12.30	12.03	32.4	32.8
9399 Southern States Cooperative, London	....	12.20	11.91	32.4	32.6
9492 Oscar Buis, Eubanks	....	12.40	12.70	32.4	33.6
20.50% Nitro Lime					
8893 The Big Store, Harrodsburg	20.72	.....	.....	49.2	49.7
60% Muriate of Potash					
9675 Jewell & Hayden Hardware Store, Bardstown	....	.....	60.40	54.0	54.4
50% Sulfate of Potash "Old Time Brand"					
9676 Jewell & Hayden Hardware Store, Bardstown	....	.....	50.96	55.0	56.1
THE DAVISON CHEMICAL CORPORATION, Nashville, Tennessee					
8-8-8 (Muriate) Davo "Quality"					
9756 C. T. Ashley and Co., Nicholasville	<u>7.48</u>	8.60	8.64	41.6	41.9
6-12-12 (Muriate) Davco "Quality"					
8819 W. I. Smith, Sebree	6.02	12.00	<u>11.62</u>	46.4	46.1
8894 Graves County Soil Association, Mayfield	6.10	11.90	12.11	46.4	46.6
9019 Guenther Hardware Co., Owensboro	5.82	11.85	11.75	46.4	45.6
9400 Farmers Cooperative, Madisonville	5.81	11.80	11.97	46.4	45.8

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
THE DAVISON CHEMICAL CORPORATION, (Cont'd)					
6-8-6 (Muriate) Davco "Quality"					
8820 W. I. Smith, Sebree	5.95	8.00	6.24	35.6	35.7
9020 Guenther Hardware Co., Owensboro	5.88	8.30	6.46	35.6	36.2
9174 Stewart and Company, Munfordville	5.86	8.20	6.85	35.6	36.4
9271 Penn Mercantile Co., Mannsville	5.40	8.20	6.91	35.6	35.6
9566 Farmers Cooperative, Madisonville	5.82	8.40	6.36	35.6	36.1
6-8-6 (Sulfate) Davco "Quality"					
8788 E. S. Ferrill and Son Hdwe. Co., Buffalo	5.66	8.85	6.92 ^e	35.6	36.9
8821 W. I. Smith, Sebree	5.35	8.70	6.91 ^f	35.6	36.1
8895 Buckhorn Coal Company, Campbellsville	5.76	8.48	6.27 ^g	35.6	36.0
8896 Cayce-Yost Company, Hopkinsville	5.71	8.00	6.17	35.6	35.2
8952 U. L. Rogers, Columbia	5.69	8.40	6.37	35.6	35.8
9078 C. S. Brent and Co., Lexington	5.59	8.80	6.36	35.6	36.1
9175 Stewart and Company, Munfordville	5.85	8.30	6.13	35.6	35.8
9176 Thomerson Milling Co., Glasgow	5.76	8.20	6.66	35.6	36.0
9567 Farmers Cooperative, Madisonville	5.91	8.50	6.27	35.6	36.3
9568 Frank Snodgrass, Morgantown	4.47	9.30	8.20 ^h	35.6	36.3
5-10-15 (Sulfate) Davco "Quality"					
9079 E. S. Ferrill Hdwe. Co., Buffalo	4.87	10.50	15.12	45.0	45.5
5-10-10 (Muriate) Davco "Quality"					
9569 Allegre Milling Co., Allegre	5.26	8.78	10.97	40.0	40.0
9677 Southern States Cooperative, Elizabethtown	4.57	9.77	8.96	40.0	37.9
4-12-8 (Muriate) Davco "Quality"					
8897 Graves County Soil Association, Mayfield	4.02	11.80	8.25	38.4	38.5
9080 R. M. Miller Seed & Popcorn Co., Murray	3.96	12.00	8.40	38.4	38.7
9570 Farmers Cooperative, Madisonville	4.12	11.40	8.39	38.4	38.3
4-12-8 (Sulfate) Davco "Quality"					
8898 Cayce-Yost Company, Hopkinsville	4.08	11.90	8.29	38.4	38.7
8953 Henry Durham, Greensburg	4.15	11.78	7.96	38.4	38.4
9081 E. S. Ferrill Hdwe. Co., Buffalo	3.76	12.70	7.90 ⁱ	38.4	38.7
9272 Young Seed House, Campbellsville	4.09	11.80	8.21	38.4	38.6
9401 Howe, Hilliard and Butterworth, Mayfield	4.34	11.85	8.55	38.4	39.5
9571 Farmers Cooperative, Madisonville	3.96	12.00	8.32	38.4	38.6
9572 Dewey Strickler, Franklin	4.00	12.20	8.02	38.4	38.7

e. Excess muriate equivalent to 1.82 percent potash

f. " " " " 1.27 " "

g. " " " " 0.55 " "

h. " " " " 3.66 " "

i. " " " " 0.63 " "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
THE DAVISON CHEMICAL CORPORATION (Cont'd)					
4-12-4 (Muriate) Davco "Quality"					
9082 C. S. Brent & Co., Lexington	3.99	12.00	4.41	34.4	34.8
9083 E. S. Ferrill Hdwe. Co., Buffalo	3.78	12.00	4.23	34.4	34.2
9573 Frank Snodgrass, Morgantown	4.00	11.80	5.10	34.4	35.3
4-8-12 (Sulfate) Davco "Quality"					
9084 C. S. Brent & Co., Lexington	3.97	8.10	11.95	37.6	37.6
9177 Stewart and Co., Munfordville	3.89	12.70	<u>7.74</u>	37.6	38.8
3-12-12 (Muriate) "Quality"					
9085 C. S. Brent & Co., Lexington	3.08	11.50	12.04	40.4	40.0
9021 Guenther Hardware Co., Owensboro	3.17	<u>11.38</u>	<u>11.68</u>	40.4	39.7
9574 J. B. Lucas Feed & Seed Co., Franklin	3.30	11.35	12.41	40.4	40.6
9575 Farmers Cooperative, Madisonville	3.26	11.75	8.29	40.4	36.9
8899 Cayce-Yost Company, Hopkinsville	2.98	11.80	<u>11.73</u>	40.4	39.9
0007 Wells Brothers, Glasgow	3.31	<u>10.75</u>	<u>11.17</u>	40.4	38.7
3-9-6 (Muriate) Davco "Quality"					
8900 Cayce-Yost Company, Hopkinsville	2.96	9.40	6.27	30.8	31.5
8954 Metcalfe Farmers Supply, Edmonton	3.22	9.40	6.68	30.8	32.4
9086 C. S. Brent & Co., Lexington	3.01	9.30	6.57	30.8	31.8
9178 Farmers Supply Co., Upton	3.09	9.40	7.38	30.8	32.8
0008 E. S. Ferrill Hardware Co., Buffalo	3.13	9.10	6.44	30.8	31.6
0009 Bartlett & O'Bryan, Owensboro	3.10	<u>8.55</u>	6.52	30.8	31.0
0089 W. D. Cunningham, Webbs Cross Rds.	2.91	9.20	5.86	30.8	30.7
2-12-6 (Muriate) Davco "Quality"					
8789 E. S. Ferrill Hdwe. Co., Buffalo	1.83	12.50	6.83	32.4	33.5
8901 Cayce-Yost Co., Hopkinsville	2.25	11.70	6.42	32.4	33.0
8955 U. L. Rogers, Columbia	2.37	<u>11.65</u>	6.73	32.4	33.5
9179 Bishop, Patterson & Gray Bros., Glasgow	2.61	<u>11.68</u>	6.94	32.4	34.2
9273 Buckhorn Coal Co., Campbellsville	2.22	<u>11.73</u>	6.44	32.4	33.0
9274 I. K. Miller, Campbellsville	2.28	<u>11.03</u>	6.47	32.4	32.3
9402 Fulkerson Brothers, Sonora	2.27	11.80	6.50	32.4	33.2
9576 Farmers Cooperative, Madisonville	2.25	11.60	5.94	32.4	32.4
9577 J. B. Lucas Feed and Seed Co., Franklin	2.23	<u>11.43</u>	6.13	32.4	32.3
0-14-7 (Muriate) Davco "Quality"					
8956 U. L. Rogers, Columbia	<u>12.75</u>	8.33	29.8	29.6
9180 Thomerson Milling Co., Glasgow	<u>13.23</u>	7.76	29.8	29.6

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
THE DAVISON CHEMICAL CORPORATION (Cont'd)					
0-14-7 (Muriate) Davco "Quality" (Cont'd)					
9275 I. K. Miller & Son, Campbellsville	....	14.20	6.87	29.8	29.9
9578 Frank Snodgrass, Morgantown	....	14.10	6.89	29.8	29.8
9678 Conn's Feed Store, Clarkson	....	11.70	8.41	29.8	28.5
9679 U. L. Rogers, Columbia	....	<u>13.60</u>	7.08	29.8	<u>29.4</u>
0-12-12 (Muriate) Davco "Quality"					
9403 Howe, Hilliard & Butterworth, Mayfield	....	12.30	12.00	32.4	35.2
9579 Hughes Hardware Co., Franklin	....	11.20	13.03	32.4	32.5
9580 Farmers Cooperative, Madisonville	....	<u>11.60</u>	12.44	32.4	32.4
9680 Metcalfe County Farmers Supply, Edmonton	....	<u>11.70</u>	12.97	32.4	33.0
20% Superphosphate, Davco Granulated					
8822 W. I. Smith, Sebree	....	20.50	.....	26.0	26.7
8902 Cayce-Yost Co., Hopkinsville	....	20.10	.....	26.0	26.1
9087 E. S. Ferrill Hdwe. Co., Buffalo	....	20.10	.....	26.0	26.1
9181 J. B. Hatcher Co., Park City	....	20.50	.....	26.0	26.7
9581 Smith & Reynolds Co., Slaughters	....	20.90	.....	26.0	27.2
9681 Metcalfe Farmers Supply, Edmonton	....	20.13	.....	26.0	26.2
9010 Wells Brothers, Glasgow	....	19.78	.....	26.0	25.7
60% Muriate of Potash					
0011 Stewart & Company, Munfordville	....	.....	60.28	54.0	54.3
0012 Bartlett & O'Bryan, Owensboro	....	.....	60.60	54.0	54.5
50% Sulfate of Potash					
9182 J. B. Hatcher Co., Park City	....	.....	50.96	55.0	56.1
9582 Farmers Cooperative, Madisonville	....	.....	<u>49.52</u>	55.0	54.5
33.50% Ammonium Nitrate					
9583 Farmers Cooperative, Madisonville	34.00	.....	.....	67.0	68.0
THE DAVISON CHEMICAL CORPORATION Columbus, Ohio					
3-10-10 (Sulfate) Granulated					
0013 Franklin Wholesale Co., Ashland	<u>4.74</u>	10.20	11.14	40.0	40.9
3-12-12 (Muriate) Davco Granulated					
9404 Elwood Logan, Greenup	3.16	<u>10.95</u>	12.26	40.4	39.7
4-12-8 (Muriate 4, Sulfate 4) "Welch Higrade"					
0014 Elwood Logan, Greenup	4.26	12.25	8.69	38.4	39.9

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
THE DAVISON CHEMICAL CORPORATION (Cont'd) Columbus, Ohio					
3-12-12 (Muriate) Granulated					
0015 Franklin Wholesale Co., Ashland	3.18	<u>11.70</u>	12.91	40.4	41.3
0-12-12 (Muriate) "Quality"					
0006 Franklin Wholesale Co., Ashland	....	<u>11.35</u>	12.40	32.4	32.0
0016 Elwood Logan, Greenup	....	<u>11.70</u>	11.83	32.4	31.9
FEDERAL CHEMICAL CO., Louisville, Kentucky					
8-8-8 (Muriate)					
8957 Shaker Seed & Feed Co., South Union	<u>7.25</u>	8.80	7.82	41.6	40.9
9276 Lewis J. Burke, Lexington	<u>6.20</u>	8.60	11.02	41.6	41.7
9277 Arvin McCain, Hopkinsville	<u>7.38</u>	8.20	7.96	41.6	40.6
9584 Allensville Grain Co., Allensville	<u>7.29</u>	8.70	7.77	41.6	40.8
6-12-12 (Muriate)					
9278 J. M. Adams & Son, Hopkinsville	<u>5.49</u>	<u>11.40</u>	<u>11.17</u>	46.4	<u>43.8</u>
9585 Allensville Grain Co., Allensville	<u>5.96</u>	<u>11.40</u>	<u>11.90</u>	46.4	<u>45.5</u>
6-8-6 (Muriate)					
8845 Roy C. Hardesty, Eminence	<u>4.83</u>	9.00	8.07	35.6	36.5
9493 Faulkner's Supermarket, Pikeville	<u>5.80</u>	8.60	6.05	35.6	36.0
9586 Corbin-Bennett Farm Supply, Providence	6.10	8.40	6.03	35.6	36.3
0090 Edward C. Bryant Co., Rumsey	6.04	8.30	6.47	35.6	36.5
0091 Hickory Bill's Farm Store, Sacramento	6.21	8.40	6.11	35.6	36.6
0139 Lynn Flood Feed Store, Finchville	6.23	8.00	6.50	35.6	36.6
0140 Jackson Wholesale Co., Praise	6.12	8.60	6.75	35.6	37.3
6-8-6 (Sulfate)					
8790 A. C. Bogie, Winchester	6.03	8.30	6.24	35.6	36.3
8799 Lovett Brothers, Somerset	5.92	8.60	7.25 ^j	35.6	37.4
8846 Lynn Flood Feed Store, Finchville	5.86	7.90	7.19	35.6	36.4
8903 Berryman Coal & Feed Co., Winchester	5.84	8.00	7.69 ^k	35.6	37.0
9088 Floyd G. Barlow, Cynthiana	6.23	8.20	6.55	35.6	36.9
9089 Richmond Coal & Feed Co., Richmond	6.28	9.00	6.32	35.6	37.7
9183 Thomerson Milling Company, Glasgow	<u>5.63</u>	8.50	6.58	35.6	36.0
9279 L. & R. Feed Store, Owenton	<u>6.11</u>	8.00	6.27	35.6	36.1
9405 Black Brothers, Greenmount	<u>4.71</u>	9.60	7.87 [*]	35.6	36.8

j. Excess muriate equivalent to 0.28 percent potash

k. " " " " 0.70 " "

*. " " " " 2.55 " "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
FEDERAL CHEMICAL COMPANY (Cont'd)					
6-8-6 (Sulfate) Cont'd					
9682 Grayson County Supply Co., Leitchfield	5.75	8.30	6.04	35.6	35.5
9683 Penn Mercantile Co., Mannsville	5.89	8.20	6.05	35.6	35.7
0141 Arvin McCain, Hopkinsville	5.24	8.80	7.45 ^l	35.6	36.5
0142 Ellis Popcorn Company, Murray	5.90	8.30	7.01	35.6	36.8
5-10-15 (Sulfate)					
8847 Lynn Flood Feed Store, Finchville	5.25	9.65	14.73	45.0	44.8
8904 Levi Goff, Jr., Winchester	5.26	10.00	14.93	45.0	45.5
9090 Floyd G. Barlow, Cynthiana	5.10	9.90	15.22	45.0	45.3
9184 Ira S. Edwards, Somerset	5.22	10.70	13.12	45.0	44.4
9280 Benson Valley Milling Co., Frankfort	5.08	10.60	13.45 ^m	45.0	44.3
9281 Lewis J. Burke, Lexington	4.73	10.80	13.41 ⁿ	45.0	43.8
9684 Lynn Flood Feed Store, Finchville	3.95	11.20	12.91 ^o	45.0	42.3
9757 Levi Goff, Jr., Winchester	5.11	10.82	14.24	45.0	45.5
5-10-10 (Muriate)					
9091 Vine Street Feed Store, Lexington	4.91	9.80	10.89	40.0	40.5
0143 Arvin McCain, Hopkinsville	5.00	9.50	10.07	40.0	39.5
5-10-10 (Sulfate)					
8791 A. C. Bogie, Winchester	4.95	9.75	10.46	40.0	40.1
8800 Noah Hall's Feed Store, Morehead	5.11	10.13	10.38 ^p	40.0	40.8
8848 R. C. Hardesty, Eminence	4.76	9.63	10.05	40.0	39.1
8905 M. C. Roberts Coal & Feed Co., South Irvine	5.01	10.00	10.32	40.0	40.3
8906 Levi Goff, Jr., Winchester	5.42	9.85	11.75	40.0	42.4
9092 Vine Street Feed Store, Lexington	5.04	10.10	10.35	40.0	41.6
9093 Floyd G. Barlow, Cynthiana	5.03	9.65	9.52 ^q	40.0	39.2
9185 Thomerson Milling Company, Glasgow	5.07	10.30	9.92 ^r	40.0	40.4
9282 Estes & Shirley, Edmonton	4.89	10.10	10.02	40.0	39.9
9587 Allensville Grain Co., Allensville	5.15	10.00	9.60	40.0	39.9
9588 Norton Garth, Trenton	4.98	10.13	10.52 ^s	40.0	40.6
9685 Garrard Mills, Lancaster	5.01	9.90	10.43 ^t	40.0	40.3
9686 Lynn Flood Feed Store, Finchville	5.15	10.30	12.41	40.0	43.1
0017 L. M. Wilson, Cave City	4.40	10.40	9.92 ^u	40.0	39.2

l. Excess muriate equivalent to 1.89 percent potash

m.	"	"	"	0.72	"	"
n.	"	"	"	0.56	"	"
o.	"	"	"	5.10	"	"
p.	"	"	"	0.38	"	"
q.	"	"	"	0.38	"	"
r.	"	"	"	0.26	"	"
s.	"	"	"	0.98	"	"
t.	"	"	"	1.69	"	"
u.	"	"	"	2.74	"	"

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
FEDERAL CHEMICAL COMPANY, (Cont'd)					
4-12-8 (Muriate)					
9283 Solon Hendricks Gen. Mdse., Brewers	4.28	12.10	8.07	38.4	39.2
9406 Ford Richardson & Son, Mayfield	4.18	<u>11.70</u>	8.28	38.4	38.7
0144 Parker Seed Co., Murray	4.07	<u>12.10</u>	8.38	38.4	39.0
4-12-8 (Sulfate)					
9407 Youngblood Brothers, Mayfield	4.13	<u>11.65</u>	7.99	38.4	38.2
4-12-4 (Muriate)					
0145 Pyles and Goodwin, Crofton	4.14	<u>11.40</u>	4.79	34.4	34.8
3-12-12 (Muriate)					
9186 Ira S. Edwards, Somerset	2.80	12.30	12.31	40.4	40.7
9408 Farmers Supply, Catlettsburg	3.20	<u>11.70</u>	12.17	40.4	40.6
9409 J. Mack Brown, Glendale	3.25	<u>11.60</u>	12.32	40.4	40.7
9687 Lynn Flood Feed Store, Finchville	3.07	<u>12.00</u>	<u>11.23</u>	40.4	39.8
0146 Shoemaker Seed Company, Murray	3.32	12.10	<u>12.27</u>	40.4	41.4
0147 Lynn Flood Feed Store, Finchville	3.12	<u>11.60</u>	12.88	40.4	41.0
0148 Ellis Popcorn Co., Murray	3.22	<u>12.20</u>	12.47	40.4	41.6
3-9-6 (Muriate)					
8801 Lovett Brothers, Somerset	3.36	8.90	6.84	30.8	32.2
8849 Lynn Flood Feed Store, Finchville	3.02	9.40	7.18	30.8	32.5
9187 Thomerson Milling Co., Glasgow	3.55	9.30	6.01	30.8	32.3
9284 Floyd Dudgeon, Cane Valley	3.14	9.50	6.08	30.8	31.8
9410 Youngblood Brothers, Mayfield	3.23	9.00	6.01	30.8	31.3
9494 Faulkner's Supermarket	2.94	9.20	7.11	30.8	32.0
3-9-6 (Muriate)					
9589 Berryman Coal & Feed Co., Winchester	3.20	<u>8.68</u>	6.38	30.8	31.2
9688 Louisa Supply Co., Louisa	3.32	9.60	6.55	30.8	32.7
0092 Hancock Feed Store, Middletown	3.64	9.20	6.66	30.8	33.0
0149 W. D. Shoemaker Seed Co., Murray	3.25	8.80	6.63	30.8	31.7
2-12-6 (Muriate)					
9285 Arvin McCain, Hopkinsville	2.42	<u>11.58</u>	5.90	32.4	32.6
9590 Carver Smithson, Hopkinsville	2.51	<u>12.15</u>	6.21	32.4	33.8
9591 Allen and Jenkins, Bowling Green	2.30	<u>11.60</u>	6.25	32.4	32.8
9592 Morgantown Feed Mill, Morgantown	2.92	<u>11.25</u>	6.36	32.4	33.7
9689 Penn Mercantile Co., Mannsville	2.62	<u>11.08</u>	6.45	32.4	33.0
0-12-12 (Muriate)					
8850 R. C. Hardesty, Eminence	....	11.28	12.28	32.4	31.8
8958 Grayson County Supply Co., Leitchfield	....	<u>11.50</u>	<u>11.69</u>	32.4	31.5
9286 Farmers Supply Company, Shelbyville	....	<u>12.10</u>	<u>11.51</u>	32.4	32.0
9287 Estes & Shirley, Edmonton	....	12.00	<u>11.64</u>	32.4	32.0
9411 Elwood Logan, Greenup	....	11.80	<u>11.41</u>	32.4	31.6
0018 D. W. Karp, New Haven	....	11.83	<u>11.86</u>	32.4	32.1
0019 Williamsburg Hardware Co., Williamsburg	....	12.00	12.11	32.4	32.5

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
FEDERAL CHEMICAL COMPANY, (Cont'd)					
16% Nitrate of Soda 9292 Lander Hardware Co., LaFayette	16.24	.....	.....	48.0	48.7
33.50% Ammonium Nitrate 9291 Ellis Boley, Elkton	33.92	.....	.....	67.0	67.8
20.50% Nitrolime 9290 J. M. Adams and Son, Hopkinsville	20.68	.....	.....	49.2	49.6
44% Compound Nitrogen "Nugreen Fertilizer" 0093 H. A. Allen, Hustonville	44.76	.....	.....	79.2	80.6
50% Muriate of Potash 9288 Ellis Boley, Elkton	....	.....	52.16	45.0	46.9
50% Sulfate of Potash 8851 Carter Supply Company, Forks of Elkhorn	....	.....	50.64	55.0	55.7
9188 Thomerson Milling Co., Glasgow	....	.....	50.00	55.0	55.0
9289 Ellis Boley, Elkton	....	.....	51.92	55.0	57.1
9412 Carey Sheets, Frankfort	....	.....	52.12	55.0	57.3
HUTSON CHEMICAL COMPANY Murray, Kentucky					
4-12-8 (Muriate) 9758 Douthitt and Spillman Feed Mill, Wingo	4.12	12.40	8.36	38.4	39.5
9094 Manufacturer's warehouse	4.19	12.15	8.88	38.4	39.8
0150 Ellis Popcorn Company, Murray	4.15	<u>11.70</u>	8.87	38.4	39.2
4-12-8 (Sulfate) 0151 Shoemaker Seed Company, Murray	4.10	11.95	7.82	38.4	38.4
INTERNATIONAL MINERALS & CHEMICAL CORP., Cincinnati 15, Ohio					
10-10-10(Muriate) 9690 Wright Implement Company, Hardinsburg	10.06	10.20	10.32	50.0	50.7
6-12-12 (Muriate) 9003 Farmers Cooperative Store, Owensboro	<u>5.74</u>	12.60	12.58	46.4	47.2
6-12-12 (Muriate 3, Sulfate 9) 8959 Woodson Lewis, Greensburg	6.08	<u>11.60</u>	12.91	46.4	47.0

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
INTERNATIONAL MINERALS & CHEMICAL CORP. (Cont'd)					
6-12-12 (Muriate 3, Sulfate 9) Cont'd					
9189 Walker Greer, Camargo	5.96	12.35	12.64	46.4	47.4
9190 W. S. Allen, & Company, Liberty	6.08	12.00	12.43	46.4	47.0
9293 A. M. Honaker, Port Royal	5.95	<u>11.63</u>	12.91	46.4	46.8
9691 Cooper Brothers Feed Store, Elizabethtown	<u>5.52</u>	13.00	<u>11.13</u>	46.4	45.8
9692 Wright Implement Co., Hardinsburg	<u>5.63</u>	12.00	11.80	46.4	45.5
6-8-16 (Sulfate)					
9095 Douglas McLoney, Cynthiana	5.85	8.90	15.90 ^v	45.6	46.3
9759 Rainbow Coal Co., Versailles	<u>5.57</u>	9.15	<u>15.45^w</u>	45.6	45.6
6-8-6 (Sulfate)					
8907 Ralph Hovious, Hustonville	5.83	8.80	6.46	35.6	36.7
9004 Farmers Cooperative Store, Owensboro	6.29	8.60	6.63	32.5	37.5
9096 Cooper Brothers Feed Store, Elizabethtown	6.04	8.30	6.35	35.6	36.4
9191 Kaufman's Feed Store, Rineyville	<u>5.66</u>	8.70	6.44	35.6	36.2
9192 Walker Greer, Camargo	<u>5.89</u>	8.80	6.56	35.6	36.9
9413 Lawson Hardware Co., Greenup	<u>5.69</u>	8.50	6.19	35.6	35.8
9593 Willoughby Supply Co., Richmond	<u>5.46</u>	9.20	7.32 ^x	35.6	37.3
9693 Carl J. Hagman, Cloverport	<u>6.17</u>	8.80	6.70	35.6	37.6
9760 M. G. Williams Implement Co., Hopkinsville	6.10	9.40	6.00	35.6	37.5
0094 Robinson Milling Company, Somerset	5.93	8.80	6.44	35.6	36.9
5-10-5 (Muriate)					
9414 Harlan Fruit Company, Harlan	5.17	10.20	5.54	35.0	36.1
0020 Cornett-Lewis Coal Co., Louellen	5.14	10.10	5.88	35.0	30.4
4-12-8 (Muriate)					
9415 Tony Bezold, Newport	4.22	11.80	8.57	38.4	39.2
9594 J. B. Adams, Barbourville	3.91	12.10	8.77	38.4	39.1
0095 Claude Beck Service Station, Jamestown	<u>3.73</u>	12.25	8.34	38.4	38.5
4-12-8 (Sulfate)					
9097 Cooper Brothers Feed Store, Elizabethtown	4.18	11.90	7.79	38.4	38.4

v. Excess muriate equivalent to 0.50 percent potash
w. " " " " 1.30 " "
x. " " " " 0.94 " "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
INTERNATIONAL MINERALS & CHEMICAL CORP., (Cont'd)					
4-12-8 (Sulfate) Cont'd					
9098 Richardson Mercantile Co., Berea	4.01	12.10	8.10	38.4	38.6
9193 Stanley Galbraith and Son, Carlisle	3.88	12.70	7.90	38.4	38.9
9416 Baker and Hulley, Alexandria	4.16	11.90	8.01	38.4	38.6
9417 Lawson Hardware Co., Greenup	4.13	11.85	8.77 ^y	38.4	39.3
9694 Lear & Ballard, Lancaster	4.03	12.20	8.33	38.4	39.0
9695 Brunette Feed Store, Vine Grove	4.12	11.90	8.30	38.4	38.8
0021 Cass and Cash, Brodhead	3.75	13.00	8.09	38.4	39.2
0096 Irving's Market, Greenville	4.33	11.90	8.07	38.4	39.0
3-12-12 (Muriate)					
9005 Roy Boone's Feed Store, Stanford	3.00	12.50	12.51	40.4	41.5
9194 Walker Greer, Camargo	3.09	12.20	12.33	40.4	41.2
9418 Lawson Hardware Co., Greenup	3.19	12.10	11.91	40.4	40.8
9419 Masden Lumber Co., Lebanon Junction	3.08	12.10	12.92	40.4	41.6
9696 J. A. Murphy General Store, Clements ville	3.03	12.50	12.49	40.4	41.6
0097 Claude Beck Service Station, Jamestown	2.95	12.30	12.64	40.4	41.3
3-9-6 (Muriate)					
9495 Lewis Wholesale Company, Whitesburg	3.04	9.00	6.41	30.8	31.3
2-12-6 (Muriate)					
9099 Cooper Brothers Feed Store, Elizabethtown	2.25	11.83	6.23	32.4	32.9
9195 Kaufman's Feed Store, Rineyville	2.11	11.80	6.77	32.4	33.2
9294 Squires and Cunditt, Cane Valley	2.04	12.10	6.16	32.4	32.8
9420 Lawson Hardware Co., Greenup	2.40	12.00	7.04	32.4	34.2
9421 Masden Lumber Co., Lebanon Junction	2.24	12.00	6.70	32.4	33.6
9761 M. G. Williams Implement Co., Hopkinsville,	2.04	12.20	6.35	32.4	33.1
0098 W. S. Allen Company, Liberty	2.11	12.65	6.52	32.4	33.9
0099 J. W. Davidson, Science Hill	2.04	12.50	6.53	32.4	33.6
0100 Irving's Market, Greenville	2.20	11.85	6.09	32.4	32.7
0-20-20 (Muriate)					
8908 Ralph Hovious, Hustonville	....	19.90	19.90	50.0	49.8
9006 Farmers Cooperative Store, Owensboro	....	19.90	19.94	50.0	49.8
0-14-7 (Muriate)					
8960 Springfield Feed & Grain Co., Springfield	....	14.20	7.63	29.8	30.7
9697 Cooper Brothers Feed Store, Elizabethtown	....	14.20	7.35	29.8	30.4
0101 Ralph Hovious, Hustonville	....	14.50	7.89	29.8	31.3

y. Excess muriate equivalent to 0.77 percent potash

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
INTERNATIONAL MINERALS & CHEMICAL CORP., (Cont'd)					
0-12-12 (Muriate)					
9007 Farmers Cooperative Store, Owensboro	....	11.60	12.53	32.4	32.5
9196 Dunagan & Dunagan, Horse Cave	....	<u>11.70</u>	11.88	32.4	31.9
9197 Kaufman's Feed Store, Rineyville	....	<u>12.10</u>	11.99	32.4	32.5
9698 U. L. Rogers, Columbia	....	12.80	12.04	32.4	33.4
20% Superphosphate					
8961 Jack Shirley, Edmonton	....	20.10	.....	26.0	26.1
9100 C. C. Hackley, Millerstown	....	20.30	.....	26.0	26.4
9198 G. H. Bowles and Son, Glasgow	....	20.10	.....	26.0	26.1
9595 Ruark Truck Lines, Morganfield	....	20.40	.....	26.0	26.5
9762 M. G. Williams Implement Co., Hopkinsville	....	21.40	.....	26.0	27.8
50% Muriate of Potash					
9008 Farmers Cooperative Store, Owensboro	....	.....	51.64	45.0	46.5
48% Sulfate of Potash					
0022 Hiatt and Parsons, Wildie	....	.....	51.96	52.8	57.2
INTERSTATE FERTILIZER COMPANY, Cairo, Illinois					
8-8-8 (Muriate)					
9763 City Coal Company, Fulton	<u>7.64</u>	9.20	8.44	41.6	42.8
6-12-12 (Muriate)					
9199 Ballard County Cooperative, LaCenter	6.03	11.90	12.06	46.4	46.4
5-10-10 (Sulfate)					
9200 Ballard County Cooperative, LaCenter	4.99	10.10	10.79	40.0	40.9
9422 Mayfield Sweet Feed Mill, Mayfield	4.82	<u>9.70</u>	9.93	40.0	39.2
4-16-16 (Muriate)					
9764 City Coal Co., Fulton	4.06	16.80	16.60	51.2	52.9
4-12-8 (Muriate)					
8909 Graves County Soil Association, Mayfield	4.08	12.00	8.16	38.4	38.7
9101 Marshall County Soil Imp. Asso., Benton	4.06	12.10	8.41	38.4	39.1
3-12-12 (Muriate)					
9201 Ballard County Cooperative, LaCenter	3.13	12.00	12.01	40.4	40.7

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
INTERSTATE FERTILIZER COMPANY, (Cont'd)					
3-9-18 (Muriate) 9765 City Coal Company, Fulton	3.08	10.00	17.82	42.8	44.0
60% Muriate of Potash 9766 City Coal Co., Fulton	....	.....	60.36	54.0	54.3
50% Sulfate of Potash 8910 Graves County Soil Association, Mayfield	....	.....	50.88	55.0	56.0
9102 Marshall County Soil Imp. Asso., Benton	....	.....	51.08	55.0	56.2
KENTUCKY FERTILIZER WORKS, Winchester, Kentucky					
8-8-8 (Muriate) "P. P. F. Brand" 0023 Estes Brothers, Winchester	7.86	<u>6.80</u>	8.33	41.6	40.2
6-12-12 (Muriate) 0024 Estes Brothers, Winchester	5.76	12.00	12.60	46.4	46.5
6-8-12 (Muriate 3, Sulfate 9) "P. P. F. Brand" 9423 Davis Gillespie, Flemingsburg	6.26	8.60	<u>11.00</u>	41.6	41.8
9596 Robinson and Turley, Richmond	6.01	8.50	<u>11.10</u>	41.6	41.3
6-8-6 (Sulfate) "P. P. F. Brand" 9103 Robinson & Turley, Richmond	6.05	8.50	5.85	35.6	36.2
9104 Dean and Dean, Augusta	5.84	8.50	5.62	35.6	35.5
9424 Franklin Wholesale Co., Ashland	5.95	8.60	5.96	35.6	36.2
9496 May Grocery Company, West Liberty	<u>5.52</u>	8.60	6.54	35.6	35.9
9767 Farmers Supply Company, Danville	<u>5.87</u>	8.30	6.44	35.6	36.1
0025 Estes Brothers, Winchester	5.79	8.10	6.36	35.6	35.7
5-10-5 (Sulfate) "P. P. F. Brand" 9425 Manufacturer's warehouse	4.83	<u>9.65</u>	6.01	35.0	35.3
9497 Whitesburg Farm Service, Whitesburg	<u>4.68</u>	10.40	<u>4.68</u>	35.0	34.5
4-12-12 (Sulfate) "P. P. F. Brand" 8808 Farmers Supply Co., Danville	4.10	<u>11.45</u>	12.54	42.4	42.5
9426 Davis Gillespie, Winchester	4.05	<u>11.40</u>	12.24	42.4	42.0
0026 Estes Brothers, Winchester	4.20	12.00	11.78	42.4	42.6
4-6-15 (Sulfate) "P. P. F. Brand" 8807 Farmers Supply Company, Danville	3.82	6.10	14.84	38.2	37.8
9427 Davis Gillespie, Flemingsburg	4.03	6.10	15.26	38.2	38.6
0027 Estes Brothers, Winchester	4.24	6.30	14.94	38.2	39.0
0102 Southern States Cooperative, Shelbyville	4.10	5.90	15.34	38.2	38.6

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
KENTUCKY FERTILIZER WORKS, (Cont'd)					
3-9-6 (Muriate) "P. P. F. Brand"					
9428 Davis Gillespie, Flemingsburg	3.20	<u>8.38</u>	<u>5.70</u>	30.8	30.2
0-12-12 (Muriate) with 2# Borax per 100# "P. P. F. Brand"					
8911 M. C. Roberts Coal & Feed Co., South Irvine (2)	....	12.10	12.96	32.4	33.5
20% Superphosphate "P. P. F. Brand"					
9616 Robinson & Turley, Richmond	....	20.20	.....	26.0	26.3
50% Sulfate of Potash "P. P. F. Brand"					
8912 Farmers Supply, Harrodsburg	....	.....	50.16	55.0	55.2
8913 Southern States Cooperative, Carlisle	....	.....	51.36	55.0	56.5
9768 Elkhorn Supply Co., Frankfort	....	.....	51.52	55.0	56.7
KNOXVILLE FERTILIZER CO., Knoxville & Nashville, Tenn., London, Kentucky					
6-12-12 (Muriate) Pulverized					
9597 T. L. Harris, Elkton	<u>5.64</u>	<u>11.43</u>	11.97	46.4	<u>45.0</u>
9769 Butterworth Seed Co., Mayfield	<u>5.56</u>	<u>12.00</u>	12.05	46.4	<u>45.6</u>
6-8-6 (Sulfate) Pulverized					
8914 Barnett & Sullivan, Harrodsburg	6.26	8.40	6.68	35.6	37.3*
9009 Frankfort Grocery Co., Frankfort	6.29	8.10	6.64	35.6	36.9
9105 Fayette Seed Company, Lexington	6.24	8.40	6.42	35.6	37.0
9106 James W. McKinney, Moberly	6.46	8.10	6.53	35.6	37.2
9202 Hobart and Milton Roberts, Monticello	6.22	8.30	6.52	35.6	36.9*
9295 McCauley Brothers Seed Co., Versailles	6.48	12.00	6.86	35.6	42.2
9429 Wyndall's Farm Store, Owensboro	<u>5.38</u>	8.60	6.00 ^z	35.6	35.1
9498 Arnold Weddle, Nancy	<u>6.06</u>	8.60	6.92	35.6	37.4*
9598 W. H. Brock and Co., Winchester	6.46	8.40	6.83	35.6	37.8
9599 Amburgey's Farm Supply, Mt. Sterling	6.36	8.20	6.65	35.6	37.2
9770 Butterworth Seed Company, Mayfield	<u>5.36</u>	8.60	6.55 ^a	35.6	35.6
5-10-5 (Muriate) Pulverized					
9430 H. & H. Wholesale Co., Hyden	5.11	10.30	5.21	35.0	35.8
0028 Rock's Farm Center, Munfordville	4.84	10.20	5.88	35.0	35.8
4-12-12 (Sulfate) Pulverized					
9296 Barnett & Sullivan, Harrodsburg	4.08	12.20	12.01	42.4	42.8

2. Boron guaranteed 0.22 percent-found .022 percent

z. Excess muriate equivalent to 0.66 percent potash

a. " " " " 0.63 " "

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
KNOXVILLE FERTILIZER CO., (Cont'd)					
4-12-8 (Muriate) Pulverized					
9601 T. L. Harris, Elkton	4.00	<u>11.60</u>	8.83	38.4	38.8
0103 W. H. Brock and Company, Winchester	4.18	12.15	8.49	38.4	39.4
0104 Wyndall's Farm Store, Owensboro	4.44	<u>11.10</u>	10.32	38.4	40.5
4-12-8 (Sulfate) Pulverized					
9297 Barnett & Sullivan, Harrodsburg	4.20	<u>11.33</u>	8.52	38.4	38.5
9499 Marvin May, Eubanks	4.21	<u>12.00</u>	9.04	38.4	39.9
9600 Amburgey's Farm Supply, Mt. Sterling	4.31	<u>11.65</u>	9.06	38.4	39.7
9602 W. H. Brock and Co., Winchester	4.34	<u>11.70</u>	9.08	38.4	39.8
0029 Stagg Brothers, Vanceburg	4.32	<u>11.90</u>	8.82	38.4	39.7
4-12-4 (Muriate)					
9203 Ellis Brothers Grocery, Glasgow	3.95	12.30	4.25	34.4	34.9
9204 Hobart and Milton Roberts, Monticello	4.14	11.80	4.37	34.4	34.8
9298 Barnett and Sullivan, Harrodsburg	4.03	12.00	4.45	34.4	34.9
9500 Fayette Seed Company, Lexington	4.21	12.00	4.66	34.4	35.5
4-8-16 (Sulfate)					
9771 McCauley Brothers Seed Co., Versailles	4.23	9.10	16.64	41.6	44.0
9299 Barnett & Sullivan, Harrodsburg	4.24	8.10	<u>15.68</u>	41.6	41.9
4-8-12 (Sulfate)					
9603 T. L. Harris, Elkton	3.71	8.48	<u>11.10</u>	37.6	36.7
8915 Barnett and Sullivan, Harrodsburg	4.19	8.70	12.44	37.6	39.3
8962 Haydon Coal and Oil Co., Springfield	4.26	9.00	9.98 ^b	37.6	37.3
9300 W. C. Watson, Frankfort	4.19	8.30	12.22	37.6	38.6
9501 Powell-Hackney Grocery, Beattyville	4.12	8.80	12.01	37.6	37.1
9502 Fayette Seed Company, Lexington	4.13	8.50	12.54	37.6	39.0
4-6-15 (Sulfate) Pulverized					
9301 W. C. Watson, Frankfort	3.94	8.00	<u>14.45</u>	38.2	39.9
9772 McCauley Brothers Seed Company, Versailles	4.22	7.10	15.31	38.2	40.3
3-12-12 (Sulfate)					
9604 Amburgey's Farm Supply, Mt. Sterling	3.07	12.05	12.40 ^c	40.4	41.0

b. Excess muriate equivalent to 1.13 percent potash

c. " " " " 0.29 " "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos-phoric Acid Avail-able	Potash	Index of Relative Value	
				Guar.	Found
KNOXVILLE FERTILIZER COMPANY, (Cont'd)					
3-9-6 (Muriate)					
9107 Estes Brothers, Richmond	3.07	9.60	6.91	30.8	32.6
9205 Peoples Feed Mill, Cave City	2.93	9.10	5.76	30.8	30.5
9431 Princeton Mills, Princeton	2.93	10.60	5.93	30.8	32.5
9432 Jellico Grocery, Harlan	3.23	9.30	6.66	30.8	32.3
9503 Powell-Hackney Grocery, Beattyville	3.28	9.60	6.38	30.8	32.5
9605 Farmers Feed Market, Bowling Green	3.01	9.55	6.61	30.8	32.1
9699 Inez Wholesale Grocery, Inez	3.20	9.60	6.60	30.8	32.5
9700 Paintsville Grocery, Paintsville	3.30	9.80	7.02	30.8	33.4
0030 Clay & Johnson, Fountain Run	3.03	9.00	6.47	30.8	31.3
3-9-6 (Sulfate)					
9701 Grayson County Supply Co., Leitchfield	3.09	9.20	6.38	30.8	31.6
0031 Ellis Brothers, Glasgow	3.17	8.90	6.24 ^d	30.8	31.3
3-9-6 (Muriate 4, Sulfate 2)					
9433 Princeton Mills, Princeton	3.42	9.30	6.34	30.8	32.3
3-9-6 (Muriate 3, Sulfate 3)					
9206 Ellis Brothers Grocery, Glasgow	2.83	10.00	6.05	30.8	31.7
9434 Clay County Farm Service, Manchester	3.25	9.10	6.76	30.8	32.2
9435 Princeton Mills, Princeton	3.26	9.60	6.38	30.8	32.4
9436 Farmers Feed & Supply Co., London	3.19	9.00	6.46	30.8	31.6
9504 Powell-Hackney Grocery, Beattyville	3.32	8.80	6.70	30.8	31.9
9505 Fayette Seed Co., Lexington	3.46	9.00	6.70	30.8	32.4
9606 Jellico Grocery, Barbourville	3.31	9.10	6.45	30.8	32.0
2-12-12 (Muriate) Pulverized					
9207 Hobart & Milton Roberts, Monticello	2.21	11.90	12.17	38.4	38.9
9506 Fayette Seed Company, Lexington	2.49	13.00	11.92	38.4	40.5
0032 Rock's Farm Center, Munfordville	3.59	12.25	10.09	38.4	40.0
2-12-12 (Muriate) with 60# Borax per ton					
9507 Roscoe Morris, Somerset (3)	4.10	12.00	11.48	38.4	42.1
9607 Madison Farmers Supply, Richmond (4)	4.08	11.90	11.95	38.4	42.4
9773 Elkhorn Supply Co., Frankfort (5)	3.16	11.90	11.75	38.4	40.4

- d. Excess muriate equivalent to 0.34 percent potash
 3. Boron guaranteed 0.34 percent - found 0.47 percent
 4. " " 0.34 " " 0.38 "
 5. " " 0.34 " " 0.43 "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
KNOXVILLE FERTILIZER CO. (Cont'd)					
2-12-6 (Muriate)					
8963 Farmers Feed Market, Bowling Green	2.32	12.50	6.14	32.4	33.8
9108 Robert Ridner, Ruth	2.12	12.20	5.68	32.4	32.6
9208 Peoples Feed Mill, Cave City	2.69	12.90	5.56	32.4	34.4
9302 Oldham Feed & Supply Co., Buckner	2.39	12.20	6.15	32.4	33.6
9437 J. R. Nicholson, Greenmount	2.15	12.00	6.29	32.4	33.0
9608 Amburgey's Farm Store, Mt. Sterling	2.20	12.05	6.57	32.4	33.4
9609 Farmers Feed Market, Bowling Green	2.20	12.25	6.29	32.4	33.4
9610 Cole-Hughes and Co., Barbourville	2.17	12.00	6.13	32.4	32.9
0-14-7 (Muriate)					
9611 Amburgey's Farm Supply, Mt. Sterling	....	14.10	8.34	29.8	31.3
0-12-12 (Muriate)					
8964 Farmers Feed Market, Bowling Green	....	11.30	10.45	32.4	30.0
9438 Wyndall's Farm Store, Owensboro	....	12.00	11.90	32.4	32.3
9439 Amon Jackson Store, Tyn	....	12.80	11.86	32.4	33.2
9508 A. P. Vaught and Co., Science Hill	....	12.60	12.40	32.4	33.5
9612 Harris Feed Co., Franklin	....	11.70	11.20	32.4	31.2
9613 Farmers Feed Market, Bowling Green	....	12.40	11.16	32.4	32.0
9614 Gray Hardware, Gray	....	12.60	10.23	32.4	31.4
0033 Creech and Son, Corbin	....	12.90	11.95	32.4	33.4
0105 A. P. Vaught and Company, Science Hill	....	12.45	12.56	32.4	33.5
47% Superphosphate					
9303 City Supply Co., Columbia	....	47.50	.....	61.1	61.8
9615 T. L. Harris, Elkton	....	48.15	.....	61.1	62.6
20% Calcium Ammonium Nitrate					
0106 Hobart and Milton Roberts, Monticello	20.36	.....	.....	40.0	40.7
48% Sulfate of Potash					
9010 Frankfort Grocery Co., Frankfort	....	.....	49.28	52.8	54.2
9109 James W. McKinney, Moberly	....	.....	50.60	52.8	55.7
9441 Princeton Mills, Princeton	....	.....	49.64	52.8	54.6
9509 Fayette Seed Company, Lexington	....	.....	52.12	52.8	57.3
LION OIL CO., El Dorado, Arkansas					
33.50% Ammonium Nitrate					
9304 Clinton Hatchery, Clinton	33.72	.....	.....	67.0	67.4

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
MID-SOUTH CHEMICAL COMPANY, Memphis, Tennessee					
82% Anhydrous Ammonia					
0051 Elbert Houston & Sons, Murray	82.00	.....	.....	123.0	123.0
0052 Bartlett and O'Bryan, Owensboro	82.00	.....	.....	123.0	123.0
NORTH AMERICAN FERTILIZER COMPANY, Louisville, Kentucky					
8-8-8 (Muriate)					
9442 Glendale Baptist Orphanage, Glendale	8.08	<u>7.33</u>	8.49	41.6	41.5
9617 Marvin D. Ebelen, Henderson	8.02	<u>7.60</u>	8.69	41.6	41.9
6-8-6 (Muriate)					
8916 Hardware & Supply Company, North Middletown	5.95	7.90	5.93	35.6	35.3
9110 Ira Pence, Summit	6.12	8.20	6.80	35.6	36.9
9510 I. L. Hancock Feed Store, Louisville	6.09	8.13	6.57	35.6	36.5
9702 J. E. McGahan and Co., Paintsville	5.78	8.10	7.22	35.6	36.5
9774 Thompson's General Merchandise, Rosine	5.84	8.20	6.91	35.6	36.4
6-8-6 (Sulfate)					
8852 J. W. Settle, Frankfort	<u>5.73</u>	7.80	7.01 ^e	35.6	35.8
8853 Pleasureville Lumber Co., Pleasureville	5.97	8.40	6.78	35.6	36.8
8917 Hardware & Supply Co., North Middletown	6.07	8.00	6.63	35.6	36.4
8966 Frank Ballard, Springfield	5.84	8.00	6.75	35.6	36.0
8967 Henry Durham, Greensburg	6.03	8.30	6.42	35.6	36.4
8968 W. D. Cunningham, Webbs Cross Roads	5.86	<u>7.60</u>	6.71	35.6	35.6
9011 Yancey Estes Store, Frankfort	6.03	8.10	6.34	35.6	36.1
9111 Laswell Milling Co., Brodhead	6.07	8.00	6.65	35.6	36.4
9112 W. E. Martin, Mt. Olivet	<u>5.63</u>	<u>7.15</u>	7.48	35.6	35.3
9113 Ira Pence, Summit	<u>6.06</u>	<u>8.30</u>	6.52	35.6	36.6
9209 R. N. Bridges, Park City	6.15	8.20	6.58	35.6	36.7
0034 The Mitchell Company, Corbin	<u>5.68</u>	<u>7.70</u>	7.82	35.6	36.4
4-12-12 (Muriate)					
9305 Central State Hospital, Lakeland	4.18	<u>11.05</u>	12.53	42.4	42.2
4-12-8 (Muriate)					
9306 Central State Hospital, Lakeland	4.03	<u>11.50</u>	9.10	38.4	39.0

e. Excess muriate equivalent to 0.44 percent potash

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers,
Superphosphate, and Fertilizer Sales---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
NORTH AMERICAN FERTILIZER CO., (Cont'd)					
4-12-8 (Sulfate)					
9307 Carroll County Farm Bureau, Carrollton	<u>3.52</u>	11.98	8.91	38.4	38.3
9443 J. H. Myers, Ewing	<u>3.59</u>	<u>11.73</u>	9.00	38.4	38.3
4-8-12 (Sulfate)					
8854 Pleasureville Lumber Company, Pleasureville	4.14	7.80	12.40	37.6	38.0
8855 P. K. Donovan, Carlisle	4.02	7.80	11.93	37.6	37.3
9114 Laswell Milling Co., Brodhead	4.27	7.83	11.78	37.6	37.7
9115 W. E. Martin, Mt. Olivet	<u>3.47</u>	8.10	12.74 ^f	37.6	37.4
9308 J. W. Settle Feed Store, Frankfort	<u>4.02</u>	8.40	<u>11.59^g</u>	37.6	37.7
9309 Young Seed House, Campbellsville	4.08	<u>7.50</u>	12.69	37.6	37.9
9444 J. H. Myers, Ewing	<u>3.63</u>	<u>7.45</u>	13.26	37.6	37.5
9775 Fletcher Taylor & Sons, Nicholasville	4.28	7.80	12.43	37.6	38.4
9776 J. M. Milling Co., Frankfort	4.22	8.00	12.40	37.6	38.4
4-6-15 (Sulfate)					
9310 J. E. Kriegel, Georgetown	4.23	<u>5.65</u>	<u>14.30</u>	38.2	37.5
9777 Rainbow Coal Co., Versailles	4.14	<u>6.00</u>	<u>15.23</u>	38.2	38.7
9778 Fletcher Taylor & Sons, Nicholasville	3.82	6.20	16.42	38.2	39.5
9779 J. W. Settle Feed Store, Frankfort	3.76	6.50	16.21	38.2	39.5
8-12-12 (Muriate)					
9116 Eastern State Hospital, Lexington	3.17	<u>11.20</u>	12.49	40.4	40.3
3-12-12 (Muriate 6, Sulfate 6)					
9780 Kentucky Training Home, Frankfort	3.21	12.00	12.75 ^h	40.4	41.6
3-9-6 (Muriate)					
8856 Martin's Grocery, Manchester	3.80	<u>8.28</u>	6.89	30.8	32.4
9210 R. D. Reynolds, Cave City	3.66	<u>8.38</u>	7.04	30.8	32.4
9311 E. T. & Ralph Smith, Campbellsville	3.16	<u>8.03</u>	5.90	30.8	29.9
9445 Manchester Grocery, Manchester	3.31	<u>7.72</u>	7.98	30.8	31.9
9511 Bunton Seed Company, Louisville	3.01	<u>7.83</u>	6.46	30.8	29.9
9512 I. L. Hancock Feed Store, Louisville	3.47	<u>8.50</u>	6.36	30.8	31.5
9618 Amburgey's Farm Supply, Mt. Sterling	3.87	<u>7.95</u>	6.97	30.8	32.3
9781 Thompson's General Merchandise, Rosine	3.79	9.00	6.73	30.8	33.1

f. Excess muriate equivalent to 0.46 percent potash

g. " " " " 0.36 " "

h. " " " " 5.50 " "

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
NORTH AMERICAN FERTILIZER CO. (Cont'd)					
2-12-6 (Muriate)					
9782 Thompson's General Merchandise, Rosine	2.36	<u>11.30</u>	6.97	32.4	33.3
20% Superphosphate					
8792 Fletcher Taylor and Sons, Nicholasville	....	<u>19.50</u>	.....	26.0	25.4
60% Muriate of Potash					
9312 Central State Hospital, Lakeland	....	.....	<u>58.32</u>	54.0	<u>52.5</u>
9313 Carroll County Farm Bureau, Carrollton	....	.....	<u>59.48</u>	54.0	53.5
48% Sultate of Potash					
8793 Fletcher Taylor & Sons, Nicholasville	....	.....	48.68	52.8	53.6
8802 Allen County Farmers Service, Scottsville	....	.....	<u>47.24</u>	52.8	52.0
8918 Buckhorn Coal Co., Campbellsville	....	.....	<u>50.40</u>	52.8	55.9
8857 P. K. Donovan, Carlisle	....	.....	50.48	52.8	55.9
9314 J. M. Milling Co., Frankfort	....	.....	50.68	52.8	55.8
9703 H. & H. Farm Store, Lancaster	....	.....	48.76	52.8	53.6
OHIO VALLEY CHEMICAL CORPORATION, Rockport, Indiana					
20-21% Nitramonical Calcium Nitrate					
0107 The T. J. Turley Co., Owensboro	20.44	.....	.....	48.0	49.1
PRICE CHEMICAL COMPANY, Louisville, Kentucky					
6-8-8 (Muriate)					
0108 St. Matthews Produce Exchange, St. Matthews	5.99	8.20	8.52	37.6	38.3
6-8-8 (Sulfate)					
8794 Monarch Milling Co., Mt. Sterling	5.77	10.83	8.30	37.6	40.8
8795 Elkhorn Supply Company, Frankfort	<u>5.74</u>	11.13	<u>7.58ⁱ</u>	37.6	40.4
8919 Fox Brothers, Winchester	<u>6.46</u>	10.23	<u>7.10</u>	37.6	40.3
9446 Henderson, Underwood Implement Co., Hopkinsville	6.90	8.10	9.50	37.6	41.0
9619 Kenneth Stewart, North Middletown	6.90	8.10	9.87	37.6	41.4
9704 Farmers Feed Mill, Cloverport	6.61	8.40	8.77	37.6	40.1

i. Excess muriate equivalent to 0.67 percent potash

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
PRICE CHEMICAL COMPANY, (Cont'd)					
6-8-8 (Sulfate) Cont'd					
09705 G. T. Kasey, Irvington	6.37	9.30	8.41	37.6	40.3
0109 Stockton Brothers, Albany	6.32	8.70	9.11	37.6	40.2
4-8-12 (Sulfate)					
9315 Walters and Thompson, Shelbyville	4.08	9.20	12.48	37.6	39.7
9447 Henderson Underwood Implement Co., Hopkinsville	4.12	9.00	13.47	37.6	40.5
9620 Monarch Milling Co., Mt. Sterling	4.32	8.80	12.58	37.6	39.8
9621 Fox Brothers, Winchester	4.55	8.90	12.54	37.6	40.3
9706 Raymond House, Carlisle	4.10	9.43	12.53	37.6	40.1
0035 C. E. Lowe, Austin	4.04	10.85	<u>9.80</u>	37.6	38.9
3-12-12 (Muriate)					
9316 St. Matthews Produce Exchange, St. Matthews	3.23	12.30	12.74	40.4	42.0
8858 R. J. Jones, Tyner	2.95	12.80	12.93	40.4	42.2
9448 Henderson Underwood Implement Co., Hopkinsville	3.33	12.20	13.14	40.4	42.4
9707 Brown's Supply Co., Vine Grove	3.52	<u>11.70</u>	12.62	40.4	41.7
0110 St. Matthews Produce Exchange, St. Matthews	3.46	12.00	12.19	40.4	41.5
3-12-12 (Sulfate)					
8809 Fox Brothers, Winchester	2.83	13.00	12.43	40.4	41.7
8859 R. J. Jones, Tyner	<u>2.45</u>	13.05	12.60	40.4	41.2
9449 Sherman Bengé, London	<u>2.99</u>	13.50	<u>11.20</u>	40.4	41.4
9622 Fox Brothers, Winchester	3.31	12.20	<u>12.46</u>	40.4	41.7
9623 Monarch Milling Co., Mt. Sterling	3.29	12.30	12.26	40.4	41.6
3-9-6 (Muriate)					
9211 Monarch Milling Co., Mt. Sterling	3.31	9.80	7.04	30.8	33.4
9212 Burnette Implement Co., Vine Grove	3.25	9.40	7.12	30.8	32.9
9450 Henderson Implement Co., Hopkinsville	3.11	10.00	7.55	30.8	33.8
9513 Valley Farm Store, Valley Station	3.27	9.00	7.06	30.8	32.4
9624 Kenneth Stewart, North Middletown	3.31	<u>8.30</u>	8.02	30.8	32.6
0036 C. E. Lowe, Austin	3.25	<u>8.70</u>	6.39	30.8	31.3
2-12-6 (Muriate)					
9117 G. T. Kasey, Irvington	2.32	12.00	6.98	32.4	34.0
9317 Jack Shirley Hdwe. Co., Edmonton	1.95	12.20	6.16	32.4	32.7
9451 Henderson Underwood Implement Co., Henderson	2.24	12.80	6.66	32.4	34.5

j. Excess muriate equivalent to 0.32 percent potash

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
PRICE CHEMICAL COMPANY, (Cont'd)					
2-12-6 (Muriate) Cont'd					
9708 Brown's Supply Co., Vine Grove	2.26	12.00	6.57	32.4	33.57
0111 Valley Farm Store, Valley Station	2.47	11.80	8.03	32.4	35.1
0112 Fox Brothers, Winchester	2.04	11.80	<u>5.64</u>	32.4	31.9
0-12-12 (Muriate) with 200# tobacco stems					
9318 St. Matthews Produce Exchange, St. Matthews	....	12.80	12.30	32.4	33.7
9452 Henderson Underwood Implement Co., Hopkinsville	....	12.80	12.86	32.4	34.2
9709 Raymond House, Carlisle	....	13.10	<u>10.54</u>	32.4	32.3
45% Superphosphate					
9453 Stout's Feed Store, Mt. Washington	....	45.60	.....	58.5	59.3
50% Muriate of Potash					
9319 St. Matthews Produce Exchange, St. Matthews	....	.....	52.24	45.0	47.07
48% Sulfate of Potash					
9454 Henderson Underwood Implement Co., Hopkinsville	....	.....	49.64	52.8	54.6
9783 Woodford Feed Co., Versailles	....	.....	50.48	52.8	55.5
MIDWESTERN PHOSPHATE CORPORATION, Madison, Wisconsin					
20% Superphosphate					
8796 Monarch Milling Co., Mt. Sterling	....	19.98	.....	26.0	26.0
NATIONAL TUBE DIVISION, Lorain Works, Lorain, Ohio					
20.60% Ammonium Sulfate					
9320 Floyd Dudgeon, Cane Valley	21.12	.....	.....	41.2	42.2
A. F. PRINGLE AND CO., Charleston, South Carolina					
20% Superphosphate					
8969 Southern States Cooperative, Russellville	<u>19.35</u>	26.0	25.2

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
SPENCER CHEMICAL COMPANY, Pittsburg, Kansas					
33.50% Ammonium Nitrate					
8921 Trigg County Trading Company, Cadiz	33.76	.....	.....	67.0	67.5
SWIFT & COMPANY PLANT FOOD DIVISION, National Stock Yards, Illinois					
3-8-8 (Muriate) "Red Steer Brand"					
9625 Morganfield Hardware Co., Morganfield	7.85	8.78	8.36	41.6	42.6
6-10-4 (Muriate) "Vigoro Brand"					
8810 Farmers Supply Company, Danville	5.98	10.23	4.58	36.0	36.8
8922 Cayce-Yost Co., Hopkinsville	6.07	9.90	4.28	36.0	36.3
8970 Allen and Jenkins, Bowling Green	6.14	10.40	4.08	36.0	36.8
9022 Farmers Cooperative Store, Owensboro	5.86	12.90	5.03	36.0	40.2
9321 Dudgeon and Robinson, Campbellsville	6.16	10.00	4.47	36.0	36.8
9514 Hall Seed Company, Louisville	6.02	11.70	4.59	36.0	38.7
2-8-6 (Sulfate) "Blenn Brand"					
0113 Monarch Milling Co., Mt. Sterling	6.01	8.60	6.05 ^k	35.6	36.4
4-24-12 (Muriate) "Red Steer Brand"					
9784 Reed Brothers Feed & Seed Company, Fulton	4.00	<u>22.10</u>	11.75	56.8	<u>54.3</u>
4-12-8 (Sulfate) "Vigoro Brand"					
8860 J. W. Settle, Frankfort	4.05	<u>11.70</u>	8.26	38.4	38.4
8861 T. W. Duncan Hdwe. Co., LaGrange	4.06	<u>11.70</u>	8.36	38.4	38.5
8923 Bunton Seed Co., Louisville	3.99	<u>12.00</u>	8.07	38.4	38.5
8924 Monarch Milling Co., Mt. Sterling	4.01	<u>11.70</u>	9.26	38.4	39.3
8971 Farmers Feed Market, Bowling Green	4.23	<u>12.00</u>	8.67	38.4	39.5
8972 J. H. McClute and Son, Springfield	4.17	11.90	8.30	38.4	38.9
8973 Haydon Coal & Oil Co., Springfield	3.87	11.80	8.34	38.4	38.2
9118 Spears-Kiser Co., Paris	4.46	12.00	8.11	38.4	39.4
9012 Farmers Cooperative Store, Owensboro	4.14	<u>11.70</u>	8.61	38.4	38.9
9119 Stanley Penn, Lexington	4.13	<u>12.10</u>	8.67 ^l	38.4	39.5
9322 Caulke Hardware Co., Campbellsville	3.97	12.50	8.34 ^m	38.4	39.3
9627 Brown Seed Cleaning Co., Bowling Green	4.16	11.90	8.30	38.4	38.9
9785 Hunter Hardware Co., Nicholasville	4.23	12.60	8.69 ⁿ	38.4	40.3

k. Excess muriate equivalent to 0.29 percent potash

l.	"	"	"	"	0.46	"	"
m.	"	"	"	"	0.66	"	"
n.	"	"	"	"	0.68	"	"

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
SWIFT & COMPANY PLANT FOOD DIVISION, (Cont'd)					
4-12-4 (Muriate) "Red Steer Brand"					
9120 Spears-Kiser Co., Paris	<u>3.70</u>	12.10	4.41	34.4	34.3
9626 Morganfield Hardware Co., Morganfield	4.14	11.75	4.32	34.4	34.7
3-12-12 (Muriate) "Red Steer Brand"					
8925 Graves County Soil Association, Mayfield	3.05	<u>11.50</u>	12.11	40.4	40.0
9786 Morganfield Hardware Co., Morganfield	3.18	12.20	<u>11.64</u>	40.4	40.6
3-9-18 (Muriate) "Red Steer Brand"					
9628 Morganfield Hardware Co., Morganfield,	3.25	10.03	<u>17.48</u>	42.8	44.0
TENNESSEE CHEMICAL COMPANY, Div. Armour Fertilizer Works Nashville, Tennessee					
12-12-12(Muriate) "Ox Guano Brand"					
9013 Harralson Seed Store, Owensboro	<u>10.28</u>	12.20	<u>10.94</u>	58.4	<u>54.1</u>
8-8-8 (Muriate) "Ox Guano Brand"					
9787 Henderson Feed & Commission Co., Henderson	7.84	8.00	7.90	41.6	41.2
TENNESSEE CORPORATION, Cincinnati, Ohio, New Albany, Indiana					
6-8-6 (Sultate) "Superior Quality"					
8974 W. C. Blair, Russell Springs	5.75	8.20	6.64	35.6	36.0
8975 Ice Produce Co., Bardstown	6.02	7.80	6.73	35.6	36.1
9121 Spears-Kiser Co., Paris	6.03	8.50	6.55	35.6	36.8
9456 Davis Gillespie, Flemingsburg	5.90	8.20	6.93	35.6	36.6
9457 Bi-County Farm Bureau Cooperative, Erlanger	5.97	8.40	6.91	35.6	36.9
9515 W. C. Dulin Feed Store, Taylorsville	5.90	8.40	6.71	35.6	36.6
9710 H. T. Roberts, Frenchburg	5.91	8.40	6.73	35.6	36.6
0037 Lester L. Lynd & Sons, Ashland	<u>5.47</u>	8.60	6.76 ^o	35.6	36.0
0038 D. B. Saylor, Mt. Vernon	<u>5.56</u>	8.60	6.60	35.6	36.0
5-10-15 (Sultate) "Superior Quality Brand"					
8976 Haydon Mill & Grain Co., Lebanon	4.99	9.90	15.77	45.0	45.6
8977 Elliott Grocery, Middleburg	5.02	10.20	15.20	45.0	45.5
9122 Spears-Kiser Co., Paris	<u>4.73</u>	10.20	14.98P	45.0	44.7
9323 B. F. Weaver, Georgetown	<u>4.73</u>	10.20	<u>14.21</u>	45.0	<u>43.9</u>
0039 D. B. Saylor, Mt. Vernon	<u>4.76</u>	10.00	<u>14.85</u>	45.0	<u>44.4</u>
0114 Walters & Thompson, Shelbyville	4.80	10.00	<u>14.58</u>	45.0	44.2

o. Excess muriate equivalent to 0.46 percent potash
p. " " " " 0.33 " "

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
TENNESSEE CORPORATION, (Cont'd)					
5-10-10 (Sulfate) "Superior Quality Brand"					
8978 Haydon Mill & Grain Co., Lebanon	4.86	10.20	10.42	40.0	40.4
8979 Elliott Grocery, Middleburg	4.96	10.70	10.58	40.0	41.3
9123 Spears-Kiser Co., Paris	4.81	10.80	10.26	40.0	40.8
9324 Walters and Thompson, Shelbyville	4.93	10.40	10.30	40.0	40.6
9458 Davis Gillespie, Flemingsburg	4.91	10.30	10.28	40.0	40.5
9459 Bi-County Farm Bureau Cooperative, Erlanger	4.92	10.60	10.35 ^q	40.0	40.9
9711 Ice's Produce, Bardstown	5.07	10.30	10.75	40.0	41.3
9712 H. T. Roberts, Frenchburg	4.87	10.80	10.21	40.0	40.9
4-24-12 (Muriate) "Superior Quality Brand"					
8980 Ice's Produce, Bardstown	3.99	<u>23.33</u>	12.68	56.8	56.7
9516 Somerset Seed Company, Somerset	4.00	<u>24.00</u>	12.18	56.8	57.0
4-12-8 (Sulfate) "Superior Quality Brand"					
8981 Ice's Produce, Bardstown	3.79	<u>11.70</u>	8.67	38.4	38.3
8982 Elliott Store, Middleburg	3.93	<u>12.10</u>	9.09 ^r	38.4	39.5
9124 D. B. Saylor, Mt. Vernon	<u>3.55</u>	12.10	8.61	38.4	38.2
9125 Frazier Massey, Mt. Olivet	4.09	12.20	8.61	38.4	39.4
9126 Farmers Feed mill, Lexington	4.09	12.00	8.54 ^s	38.4	39.1
9127 Spears-Kiser Co., Paris	4.07	12.30	8.95 ^t	38.4	39.9
9213 Dorsey Brothers & Fisher, Carlisle	4.09	11.83	8.44 ^u	38.4	38.8
9325 I. K. Miller and Son, Campbellsville	3.96	12.30	8.48	38.4	39.2
9713 Fay Bell & Son, Clarkson	3.86	12.40	8.57	38.4	39.2
4-12-8 (Muriate 4, Sulfate 4) "Superior Quality Brand"					
9460 Union Grocery Company, Morehead	3.96	12.10	8.70	38.4	39.1
3-18-9 (Muriate) "Superior Quality Brand"					
8983 Ice Produce Co., Bardstown	3.03	18.00	9.39	44.6	45.1
9714 Ice Produce Co., Bardstown	3.07	18.40	9.54	44.6	45.8
9715 Milton Meers, Vine Grove	3.12	18.20	9.71	44.6	45.8
0040 Lester L. Lynd & Sons, Ashland	2.99	<u>17.25</u>	9.40	44.6	44.1
3-12-12 (Muriate) "Superior Quality Brand"					
9716 Ice's Produce Co., Bardstown	3.13	12.70	12.27	40.4	41.8
0041 Harley Williams, Upton	3.10	12.05	12.31	40.4	41.0

q. Excess muriate equivalent to 1.69 percent potash

r.	"	"	"	0.51	"	"
s.	"	"	"	0.34	"	"
t.	"	"	"	0.77	"	"
u.	"	"	"	0.26	"	"

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
TENNESSE CORPORATION, (Cont'd)					
2-12-6 (Muriate)					
8984 W. C. Blair, Russell Springs	2.10	11.80	6.54	32.4	32.9
9214 Farmers Cash Store, Liberty	2.13	11.80	6.24	32.4	32.7
9215 Farmers Supply Co., Monticello	2.23	11.90	6.31	32.4	33.1
9216 Harley Williams, Upton	2.37	11.80	6.19	32.4	33.1
9461 Union Grocery, Morehead	2.51	12.20	7.29	32.4	35.0
9517 Paul Boyd, Eubanks	2.19	12.00	6.40	32.4	33.2
9717 I. K. Miller and Son, Campbellsville	2.01	12.30	6.42	32.4	33.2
0042 Lester Lynd & Sons, Ashland	2.26	12.00	6.52	32.4	33.5
0-20-20 (Muriate) "Superior Quality Brand"					
9217 Somerset Seed Co., Somerset	....	19.30	19.92	50.0	49.1
9326 Walters and Thompson, Shelbyville	....	19.70	20.86	50.0	50.5
9518 Henry T. Roberts, Frenchburg	....	20.00	19.06	50.0	49.1
9718 Southern States Cooperative, Leitchfield	....	20.60	19.00	50.0	49.7
20% Superphosphate "Superior Quality Brand"					
9327 G. G. Wood, Carrollton	....	19.73	.....	26.0	25.6
9328 Walters and Thompson, Shelbyville	....	19.58	.....	26.0	25.5
9462 Davis Gillespie, Flemingsburg	....	19.80	.....	26.0	25.2
U. S. PHOSPHORIC PRODUCTS COMPANY, Division Tennessee Corporation, Tampa, Florida, Cincinnati, Ohio					
46% Florida Superphosphate					
9218 Farmers Supply Company, Somerset	....	46.10	.....	59.8	59.9
0115 Somerset Seed Company, Somerset	....	45.90	.....	59.8	59.7
TENNESSEE PLANT FOOD CO., Clarksville, Tennessee					
20% Phosphate					
9023 G. B. Leach, Hustonville	....	14.50	.....	26.0	18.9
9024 Fred Richardson, Ruth	....	16.50	.....	26.0	21.5
9025 Robinson Milling Co., Somerset	....	19.28	.....	26.0	25.1
9026 Ralph Hovious, Hustonville	....	18.30	.....	26.0	23.8
9027 Cleve Simpson, Frazier	....	20.55	.....	26.0	26.7
9028 Robinson Milling Co., Somerset	....	19.10	.....	26.0	24.8
9029 Robinson Milling Co., Somerset	....	16.38	.....	26.0	21.3
9030 G. M. Sandige and Son, Eubanks	....	19.83	.....	26.0	25.8
9140 City Supply Co., Columbia	....	17.40	.....	26.0	22.6
9336 Allen and Jenkins, Bowling Green	....	19.08	.....	26.0	24.8
9337 McCarley & Richardson, Russellville	....	21.05	.....	26.0	27.4
9338 Thomas Warren, Guthrie	21.75	26.0	28.3
9339 H. J. Meador, Bowling Green	20.73	26.0	27.0

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
TENNESSEE PLANT FOOD COMPANY, (Cont'd)					
20% Phosphate (Cont'd)					
9340 G. H. Field, Bowling Green	....	19.03	.....	26.0	24.7
9464 Loren Foley, Stanford	....	19.50	.....	26.0	25.4
9465 Glenn Shearer, Hustonville	....	20.23	.....	26.0	26.3
9466 Miss Bessie Baughman, Hustonville	....	21.95	.....	26.0	28.5
9719 J. A. Murphy General Store, Clements ville	....	23.30	.....	26.0	30.3
9720 D. B. Sutherland and Sons, Bloomfield	....	21.70	.....	26.0	28.2
VALLEY COUNTIES OF KENTUCKY COOPERATIVE, Murray, Kentucky					
62% Calcium Metaphosphate					
9128 Marshall County Soil Improvement Asso., Benton	....	63.10	.....	80.6	82.0
48% Superphosphate					
9129 Southern States Cooperative, Hopkinsville	....	48.03	.....	62.4	62.4
47% Superphosphate					
8926 Graves County Soil Association, Mayfield	....	46.90	.....	61.1	61.0
9329 Southern States Cooperative, Hopkinsville	....	47.00	.....	61.1	61.1
46% Superphosphate					
9630 Southern States Cooperative, Hopkinsville	....	47.45	.....	59.8	61.7
55% Ammonium Nitrate					
8928 Graves County Soil Association, Mayfield	33.24	.....	.....	66.0	66.5
VIRGINIA-CAROLINA CHEMICAL CORPORATION, Cincinnati, Ohio, Augusta, Ga., Mt. Pleasant, Tenn.					
8-8-8 (Muriate)					
9631 Farmers Supply Co., Morganfield	7.91	8.20	8.19	41.6	41.9
6-8-6 (Muriate)					
9463 Robinson Implement Company, Princeton	5.87	8.60	6.57	35.6	36.6
0116 E. M. Osborne, Beech Grove	5.85	8.50	6.05	35.6	36.0

Analyses of Official Fertilizer Samples

Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Values	
				Guar.	Found
VIRGINIA-CAROLINA CHEMICAL CORP., (Cont'd)					
3-12-12 (Muriate) Cont'd					
9730 Dudgeon and Robinson, Campbellsville	2.92	12.80	12.91	40.4	42.1
0121 Elford Hayes, Russell Springs	2.92	12.35	12.56	40.4	41.2
3-9-6 (Muriate)					
9134 Woodford Spears & Sons, Paris	3.06	9.20	6.08	30.8	31.2
9332 Anderson Ice Co., Lawrenceburg	3.17	8.83	6.50	30.8	31.4
0122 Young Lumber Company, Beaver Dam	3.12	9.20	6.18	30.8	31.5
2-12-6 (Muriate)					
9135 Hardin County Mills, Elizabethtown	2.02	12.50	6.37	32.4	33.4
9333 Barnette Farm Supply, North Pleasureville	2.06	12.90	6.25	32.4	33.9
9334 U. L. Rogers, Columbia	2.17	12.00	6.33	32.4	33.1
9394 Robinson Implement Co., Princeton	2.08	12.00	6.64	32.4	33.2
0045 Greenup Milling Co., Greenup	2.19	11.60	6.52	32.4	32.8
0046 Farmers Supply Company, Upton	2.17	12.00	6.34	32.4	33.1
0047 Paul Crabtree, Summershade	2.16	12.30	6.50	32.4	33.6
0123 E. M. Osborne, Beech Grove	2.19	11.95	6.75	32.4	33.5
0-12-12 (Muriate)					
9136 Hardin County Mills, Elizabethtown	.....	12.60	11.93	32.4	33.1
20% Superphosphate					
9137 Hardin County Mills, Elizabethtown	.....	20.60	.....	26.0	26.8
9220 Elford Hayes, Russell Springs	.....	20.40	.....	26.0	26.5
9335 Barnett Farm Supply, North Pleasureville	.....	20.75	.....	26.0	27.0
0124 Monarch Milling Company, Mt. Sterling	.....	20.35	.....	26.0	26.5
48% Sulfate of Potash					
9731 Hardin County Mills, Elizabethtown	52.48	52.8	57.7

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Table 1 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts---Continued

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
VIRGINIA-CAROLINA CHEMICAL CORPORATION, (Cont'd)					
6-8-6 (Sulfate)					
9130 Woodford Spears & Sons, Paris	5.94	8.60	6.58	35.6	36.8
9330 U. L. Rogers, Columbia	6.03	8.30	6.47	35.6	36.5
9722 Mayes and Helm, Perryville	<u>5.70</u>	8.40	7.17	35.6	36.7
9723 Hardin County Mills, Elizabethtown	5.76	8.15	6.63	35.6	35.9
9788 Dodd's Corner, Nicholasville	6.05	8.20	6.14	35.6	36.1
0043 Paul Crabtree, Summershade	6.14	8.80	6.55	35.6	37.4
0044 Stagg Brothers, Vanceburg	<u>5.57</u>	9.00	6.56	35.6	36.5
0117 Young Lumber Co., Beaver Dam	<u>5.79</u>	8.50	6.46	35.6	36.2
4-12-8 (Muriate)					
9633 Farmers Supply Company, Morgantfield	4.26	12.60	8.28	38.4	39.9
0118 E. M. Osborne, Beech Grove	4.03	12.15	8.46	38.4	39.1
4-12-8 (Sulfate)					
9219 R. D. Reynolds, Cave City	4.13	12.03	8.15	38.4	38.9
9632 A. C. Bogie, Winchester	4.07	13.23	<u>7.61</u>	38.4	39.6
9634 Sam Nahm & Co., Bowling Green	4.29	12.30	<u>8.72</u>	38.4	40.1
9724 Mayes & Helm, Perryville	4.06	12.90	8.64	38.4	40.2
9725 Grigsby and Company, Bardstown	4.02	13.00	8.38	38.4	40.0
9726 H. T. Roberts, Frenchburg	3.99	13.05	8.30	38.4	39.9
9727 Sanders Supply Co., Lancaster	4.06	12.80	8.57	38.4	40.1
4-12-8 (Muriate 2, Sulfate 6)					
9131 Lexington Seed Co., Lexington	4.14	<u>11.03</u>	8.54	38.4	38.1
4-8-16 (Sulfate)					
9132 Woodford Spears and Sons, Paris	3.95	8.50	15.98	42.1	42.1
9331 Anderson Ice Company, Lawrenceburg	3.88	<u>7.73</u>	16.60	41.6	41.6
9728 Sanders Supply Co., Lancaster	<u>3.69</u>	9.00	16.06	41.6	42.2
9789 Jett Coal Supply Co., Jett	3.86	8.60	15.79	41.6	41.8
9790 John Underwood and Son, Nicholasville	3.85	8.00	16.62	41.6	41.9
0119 Shelby Feed and Seed Co., Shelbyville	4.18	<u>7.65</u>	16.30	41.6	41.8
4-8-12 (Sulfate)					
9133 Lexington Seed Company, Lexington	3.96	8.40	12.46	37.6	38.5
9729 Mayes & Helm, Perryville	3.97	9.00	12.17	37.6	38.9
0120 Shelby Feed & Seed Co., Shelbyville	3.83	8.00	12.41	37.6	37.7
3-12-12 (Muriate)					
9635 Farmers Supply Company, Morganfield	2.97	12.60	11.87	40.4	40.9

TABLE 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tri-Calcium Phosphate

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Phosphoric Acid				Index of Relative Value	
	Available		Total		Guar.	Found
	Guar.	Found	Guar.	Found		
AMERICAN CYANAMID COMPANY, New York, N. Y.						
Florida Natural Phosphate "Aero-Phos Brand"						
9035 Wayne Stewart, Mt. Vernon	3.00	3.60	33.00	33.20	16.50	16.60
9231 Metcalf County Farmers Supply Edmonton	3.00	3.00	33.00	33.60	16.50	16.80
THE AMERICAN AGRICULTURAL CHEMICAL CO., Cincinnati, Ohio						
Ground Phosphate Rock						
9014 Farmers Cooperative Store, Owensboro	3.00	3.25	30.00	30.65	15.00	15.33
0057 R. H. Johnson, Beaver Dam	3.00	3.00	30.00	31.35	15.00	15.68
ASSOCIATED COOPERATIVES, Sheffield, Alabama						
16% Fused Tricalcium Phosphate						
8936 Metcalf County Farmers Supply, Edmonton	16.00	17.25	28.00	28.40	25.6	26.9
9057 C. C. Hackley, Millerstown	16.00	16.10	28.00	28.60	25.6	25.9
9058 Southern States Cooperative, Cynthiana	16.00	15.65	28.00	28.55	25.6	25.4
9372 Farmers Service Store, Tompkinsville	16.00	16.95	28.00	28.40	25.6	26.6
9652 Southern States Cooperative, Campbellsville	16.00	17.28	28.00	27.90	25.6	26.7
KNOXVILLE FERTILIZER COMPANY, London, Kentucky, Knoxville and Nashville, Tenn.						
16% Fused Tricalcium Phosphate						
8965 Jewell and Hayden Hardware, Bardstown	16.00	15.90	28.00	28.10	25.6	25.6
9440 Sherman Bengé, London	16.00	17.33	28.00	28.15	25.6	26.2
ROBIN JONES PHOSPHATE CO., Nashville, Tenn.						
Rock Phosphate "Arrow Brand"						
9455 Graves County Soil Ass'n., Mayfield	2.00	2.25	30.00	30.85	15.0	15.4
RUHM PHOSPHATE AND CHEMICAL CO., Mt. Pleasant, Tenn.						
Red Seal Phosphate Rock						
8920 Farmers Supply Co., Morganfield	.....	.....	30.00	30.25	15.0	15.1

TABLE 2 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tri-Calcium Phosphate (Continued)

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Phosphoric Acid				Index of Relative Value	
	Available		Total		Guar.	Found
	Guar.	Found	Guar.	Found		

TENNESSEE COAL, IRON AND RAILROAD CO.,
Birmingham, Alabama

Low Grade Open Hearth Basic Slag

9519	Somerset Seed Company, Somerset	8.00	11.25	8.0	11.3
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THOMSON PHOSPHATE COMPANY,
Chicago, Illinois

Powdered Rock Phosphate "Four Leaf Brand"

9529	M. F. Bryant & Sons Milling Co., Sebree	30.00	29.95	15.0	15.0
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Powdered Rock Phosphate (Florida) "Four Leaf Brand"

9521	Louisa Supply Co., Louisa	33.00	<u>32.70</u>	16.5	16.4
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VALLEY COUNTIES OF KENTUCKY COOPERATIVE,
Murray, Kentucky

16% Fused Tricalcium Phosphate

8927	Hadden Farm and Home Serv., Elkton	16.00	16.08	28.00	<u>27.50</u>	25.6	25.5
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TABLE 3- Analyses of Inspection Samples of Dried Manurers

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Total Nitrogen	Total Phosphoric Acid	Potash	Index of Relative Value	
				Guar.	Found

ARMOUR FERTILIZER WORKS,
Nashville, Tennessee

1. 50-1-2. 50 Sheep Manure

8994 Harralson Seed Co.,
Owensboro

1.35

1.20

3.81

12.5

13.1