

Commercial Fertilizers in Kentucky, 1951

Including a Report on Official Fertilizer Samples
Analyzed

July — December, 1951



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REGULATORY BULLETIN NO. 96

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COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

This bulletin contains analyses of official samples of commercial fertilizers made between July 1 and December 31, 1951. Analyses of samples made between January 1, 1951 and June 30, 1951 were published in Regulatory Bulletin 93.

Manufacturers reported that 564,204 tons of commercial fertilizer were sold in Kentucky in 1951. This was an increase of about 1.8 percent over the tonnage reported for 1950. In addition, 5,320 tons of 20-percent superphosphate, or equivalent, were distributed in Kentucky under the "Contractual Plan" by the Production and Marketing Administration, Field Service Branch.

SALES BY GRADE, 1951

A summary of fertilizer sales by grade, as reported by manufacturers, is given in Table 1. Fertilizer Sold in Kentucky, by grade, Jan. 1 to Dec. 31, 1951

(As reported by the manufacturers)

Grade	Tons	Materials	Tons
6-8-6	95,036	20 % Superphosphate	41,033
2-12-6	92,249		
3-9-6	51,366	Ammonium Nitrate	35,182
4-12-8	48,716		
		Rock Phosphate	20,964
3-12-12	29,797		
0-12-12	24,995	Triple Superphosphate	10,609
4-8-12	12,535	18 % Superphosphate	5,222
3-12-6	11,358		
0-14-7	10,515	Sulfate of Potash	5,148
5-10-10	9,092		
4-12-4	6,931	Calcium Metaphosphate	4,941
5-10-16	5,816	Muriate of Potash	3,229
4-16-8	3,939		
0-14-14	3,412	Florida Waste Pond Phosphate	3,073
0-20-20	3,013		
		Calcium Cyanamid	2,099
6-12-12	2,910		
6-8-12	2,593	Nitrate of Soda	1,924
4-12-12	1,167		
2-12-12	1,107	Sulfate of Ammonia	1,853
6-10-4	1,087		
6-8-16	998	Tricalcium Phosphate	1,310
		Sulfate of Potash-Magnesia	1,084
4-6-15	824		
3-9-18	754	Basic Slag	825
5-10-15	696		
4-8-8	645	Anhydrous Ammonia	590
5-10-5	644		
		Dried Manures & Sludge	292
8-8-8	491		
4-8-16	327	Miscel.	55
4-24-12	303		
0-20-10	272		139,433
3-18-9	154		
5-20-20	129		
4-16-0	113		
9-7-4	105		
Miscel.	682		

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PLANT FOODS OR NUTRIENTS

The minimum percentages of guaranteed plant foods, or nutrients, present in commercial fertilizer are printed on the state tag as nitrogen, available phosphoric acid, and potash. These are the nutrients needed by plants in largest amounts and also those in which the soil is most likely to be deficient. The element corresponding to phosphoric acid is phosphorus and the element corresponding to potash is potassium. Boron may also be guaranteed.

FERTILIZER GRADE

Grade designates the minimum percentage of nitrogen, available phosphoric acid, and potash in the fertilizer. A 4-16-8 grade means that the fertilizer contains 4 percent nitrogen, 16 percent available phosphoric acid, and 8 percent potash. The nutrients are always listed in this order. A 0-20-0 grade refers to a superphosphate fertilizer containing 20 percent available phosphoric acid. A 0-0-60 grade refers to a potash fertilizer containing 60 percent potash.

NUMBER OF GRADES NEEDED IN KENTUCKY

The Departments of Agronomy and Horticulture of the Kentucky Agricultural Experiment Station consider that eleven ratios and minimum grades of mixed fertilizer, together with superphosphate, nitrogen, and potash salts will answer the present needs of Kentucky agriculture.

A list of the nine ratios and minimum grades recommended by the Agronomy Department for field crops is shown below:

<u>Ratio</u>	<u>Minimum grade</u>	<u>Ratio</u>	<u>Minimum grade</u>
0-1-2	0-10-20	1-3-2	4-12-8
0-1-1	0-12-12	1-2-2	5-10-10
0-2-1	0-14-7	1-1-1	8-8-8
1-4-4	3-12-12	1-2-3	4-8-12
1-4-2	4-16-8		

Two additional grades, recommended by the Horticultural Department for truck crops and ornamental plants, are 5-10-5 and 10-6-4.

Higher grades of any ratio also are both recommended and encouraged. None of the recommended minimum grades of mixed fertilizer contain less than 20 units of plant food. Low grade fertilizers are less economical because costs of mixing, bags, freight and other incidental costs are the same per bag regardless of analysis.

There also is a distinct advantage to the manufacturer to hold the number of grades to a minimum, since a smaller number of grades can be mixed and distributed more economically.

The Agronomy Department suggests the following cropping uses of the recommended minimum grades:

For general field crops, meadows and pastures, 4-12-8, 4-16-8, 8-8-8, 3-12-12, 0-14-7, 0-12-12 and 0-10-20.

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For tobacco 8-8-8, 5-10-10, 4-8-12.

It is further recommended that in fertilizers for tobacco three-fourths of the potash be from sulfate and not over one-fourth from muriate.

More detailed suggestions for fertilizing field crops, using the above ratios and minimum grades, are contained in the new Circular 70 from this Station.

REFUNDS

When a sample of fertilizer is below the guaranteed analysis to such an extent that the relative value index is deficient by more than \$1.00 per ton, the manufacturer of the fertilizer and the dealer from whom the sample was obtained are given a special notice.

When such a deficiency occurs it is suggested to the manufacturer that a proportionate refund be made to all purchasers of the stock of fertilizer whose names can be obtained from the dealer. If names of purchasers can not be obtained the refund may be made to a charity in the county where the fertilizer was sold.

Refunds are also suggested on potash results when the guarantee is from sulfate and there is an excess of muriate present of more than \$1.00 a ton in relative value.

FARMERS' SAMPLES

Anyone in Kentucky who buys commercial fertilizer for his own use may submit samples for free analysis to the Department of Feed and Fertilizer, Agricultural Experiment Station, Lexington 29, Kentucky.

1. Samples taken according to provisions of K. R. S. No. 250.360 through No. 250.480 (Kentucky Fertilizer Law). - To make the sample official it should be taken according to Section No. 250.440 of the statute referred to above. This section of the statute requires that witnesses be present when the sample is taken. Copies of the statute may be obtained from the Department of Feed and Fertilizer.

2. Unofficial samples. - If an analysis is wanted for the purchaser's information only, samples of fertilizer may be taken in the following manner:

Take portions (each about a handful) from 10 percent of the bags, unless this requires portions from more than 20 bags. If there are less than 10 bags, sample all. Take samples from as far down in the bags as possible. Place all portions on a clean paper and mix well. Place about one quart in a tight container, include a tag from one of the bags, mark the container with name and address of the sender and send to the Department of Feed and Fertilizer, Agricultural Experiment Station, University of Kentucky, Lexington 29, Kentucky.

State in a letter the amount of fertilizer on hand, the number of bags sampled, and the reason for wanting analysis. If analysis is materially below guaranty, a representative of the Feed and Fertilizer Department may be setnt to take an inspector's sample.

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INFORMATION ON GUARANTY TAG

A state guaranty tag issued by the Kentucky Agricultural Experiment Station, showing the manufacturer's guaranty, must be attached to each bag of fertilizer before it can be lawfully offered for sale in Kentucky. It is a violation of the law to change the tag in any manner, either by addition or erasure. Purchasers of fertilizer should be guided by the information printed on the guaranty tag in selecting a fertilizer. If the fertilizer is not tagged with a state guaranty tag, or if the tag has been changed in any manner, it should be reported to the Agricultural Experiment Station immediately. The following information is printed on the guaranty tag:

Brand name of fertilizer
Name and address of manufacturer
Guaranteed analysis showing:
Minimum nitrogen percent
Minimum available phosphoric acid, percent
Minimum potash, from muriate or sulfate, percent
Estimated value per 100 pounds

Total phosphoric acid, in place of available phosphoric acid, is guaranteed in bone, dried manures, basic slag, and rock phosphate. Official fertilizer labels are required by law to carry the estimated value index per 100 pounds. The estimated value index is used for comparing values of fertilizers of different grades. An additional use of this value is in determining the relationship of the guaranteed analysis and the actual analysis. This relationship is shown in the last two columns of Tables 3, 4, and 5.

The estimated value index should not be confused with the selling price. Selling price is determined by those offering the fertilizer for sale.

PENALTIES FOR VIOLATING THE FERTILIZER LAW

Any manufacturer, firm, dealer, or vendor who sells or exposes for sale in Kentucky commercial fertilizer without complying with the provisions of the fertilizer law is subject to a fine of from \$100.00 to \$500.00 for each offense. Furthermore, if a fertilizer is short in net weight or short in the essential plant-food nutrients, a manufacturer, firm or dealer may not only be fined \$100.00 to \$500.00 for violating the fertilizer law, but "shall be liable for reasonable damages sustained by the purchaser of such fertilizer."

It is important therefore that the dealer should protect himself by purchasing from reliable firms who comply with the law. Otherwise, he will lay himself liable for selling fertilizers in violation of the law.

EXPLANATION OF TABLES 2, 3, 4 and 5

The standings of manufacturers as determined by the results of analysis of official samples are given in Table 2. Purchasers of fertilizer can learn through a study of this table, how well any manufacturer met his guarantee on the samples analyzed.

It should be noted that the first 3 columns of figures in Table 2 refer to number of samples and that the last 3 columns refer to number of analyses of nitrogen phosphoric acid and potash. Attention is directed to the third column of figures which gives for each manufacturer the percentage of samples which are equal to guaranty in all respects, and to column 6, which gives the percentage of analyses which are equal to guarantee or within the tolerance of $1/4$ of 1 percent (the

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tolerance of the Kentucky Fertilizer Law).

In some samples a deficiency in one nutrient is accompanied by an over-run in another nutrient. This is evidence of improper mixing or weighing by the manufacturer. Extreme variations of this kind cannot be attributed to separation of materials (segregation), though this may be a minor factor. Excess of one nutrient cannot compensate for deficiency of another nutrient. The purchaser is entitled to receive the full guaranty in all nutrients as expressed by the manufacturer on the tag.

The results of analyses of all inspection samples are given in Tables 3, 4 and 5. If an analysis shows a deficiency of more than one-fourth of 1 percent below the amount claimed for nitrogen, phosphoric acid, or potash, or if the relative value is more than \$1.00 below the guaranty, the result is indicated in the tables by underlining the figures.

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Table 2A - Samples Equal to Guaranty in All Respects, And Analyses Within Tolerance, by Companies Selling Chiefly Mixed Fertilizers, 1951*

	Number of inspection samples	Equal to guaranty in all respects		Nitrogen, Phosphoric acid & potash		
		Number	Percent**	Number of analyses made	Equal to guaranty or within tolerance***	
					Number	Percent**
American Agri. Chem. Co.	90	46	51	234	210	90
Armour Fertilizer Works	356	215	61	914	823	90
Louisville Fertilizer Co.	2	1	-	6	4	-
Blue Grass Plant Food Co.	31	26	84	88	86	97
Buhner Fertilizer Co.	39	10	26	110	88	80
Burley Belt Plant Food Works	23	10	43	63	52	83
Chemical Formulators	3	0	-	9	4	-
Commonwealth Fertilizer Co.	21	16	76	59	55	93
Cooperative Fertilizer Serv.	163	134	82	432	418	97
Cumberland Chemical Co.	40	30	75	105	98	93
Davison Chemical Corp.						
Hopkins Fert. Div.	54	32	59	147	140	95
Nashville Div.	136	83	61	328	290	88
Welch Div.	10	2	20	28	24	86
Ellis Chemical Co.	19	6	32	57	48	84
Federal Chemical Co.	146	84	58	394	347	88
Hutson Chemical Co.	10	8	80	28	26	93
International Min. & Chem. Corp.	135	87	64	333	301	90
Interstate Fertilizer Co.	28	11	39	74	62	84
Kentucky Fertilizer Works	49	26	53	110	100	91
Knoxville Fertilizer Co.	161	110	68	421	379	90
North American Fert. Co.	96	22	23	265	201	76
Price Chemical Co.	66	36	55	181	166	92
Consolidated Chemical Co.	14	13	93	41	40	98
F. S. Royster Guano Co.	1	1	-	3	3	-
O. M. Scott & Sons Co.	4	4	-	12	12	-
Swift & Co., Plant Food Div.	54	22	41	157	135	86
Tennessee Corporation	125	68	54	323	278	86
Va. -Carolina Chem. Co.	128	88	69	330	304	92
Totals, Table 2A	2004	1191	59	5252	4694	90

* All samples of the above companies are in this table.

** Percent is not indicated when number of samples is less than 5.

*** "Tolerance" is 1/4 of 1 percent.

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Table 2B - Samples Equal to Guaranty in All Respects, And Analyses Within Tolerance, By Companies Selling Chiefly Straight Fertilizers, 1951*

	Number of inspection samples	Equal to guaranty in all respects		Nitrogen, phosphoric acid & Potash		
		Number	Percent**	Number of analyses made	Equal to guaranty or within tolerance***	
					Number	Percent**
American Cyanamid Co.	23	21	91	28	27	96
Associated Cooperatives	24	18	75	25	20	80
Barrett Div., Allied Dye & Chem. Corp.	2	2	-	2	2	-
Chilean Nitrate Sales	3	3	-	3	3	-
Commercial Solvents Corp.	1	1	-	1	1	-
Covington Fertilizer Co.	2	2	-	2	2	-
Ford Motor Co.	1	1	-	1	1	-
Lion Oil Co.	3	1	-	3	2	-
Mathieson Chemical Corp.	1	1	-	1	1	-
Midsouth Chemical Co.	2	2	-	2	2	-
Midwestern Phosphate Corp.	3	2	-	3	3	-
National Tube Co.	1	1	-	1	1	-
Nitrogen Fertilizer Service	1	1	-	1	1	-
Ohio-Karr Chemical Corp.	1	1	-	1	1	-
A. F. Pringle Co.	25	23	92	25	23	92
Robin Jones Phosphate Co.	4	4	-	8	8	-
Ruhm Phosphate & Chem. Co.	9	8	89	9	9	100
Schrock Fertilizer Service	5	4	80	5	4	80
Sewage Commission of City of Milwaukee	1	0	-	2	2	-
Spencer Chemical Co.	1	1	-	1	1	-
Tennessee Coal, Iron & R. R. Co.	2	2	-	2	2	-
Thompson Sales Co.	2	2	-	2	2	-
Thomson Phosphate Co.	11	8	73	16	14	88
U. S. Phosphate Products Co.	4	1	-	4	2	-
Valley Counties of Ky. Co-op	12	9	75	12	9	75
Totals, Table 2B	144	119	83	160	143	89
Totals, Table 2A	2004	1191	59	5252	4694	90
Grand Total	2148	1310	61	5412	4837	89

* All samples of the above companies are in this table.

** Percent is not indicated when number of samples is less than 5.

*** "Tolerance" is 1/4 of 1 percent.

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TABLE 3 - Analyses of Inspection Samples of Mixed Fertilizers, Superphosphate, and Fertilizer Salts, July-December, 1951

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	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
THE AMERICAN AGRICULTURAL CHEMICAL CO. Cincinnati, Ohio					
6-8-6 (Sulfate)					
7960 Wilson Grocery, Parksville	5.77	8.30	6.08	35.6	35.6
7961 Lebanon Carriage & Impl. Co., Lebanon	5.89	8.50	6.32	35.6	36.3
8046 Johnson Brothers, Lexington	5.86	9.00	5.84	35.6	36.4
8213 Bedford & Tuttle, Winchester	5.94	8.20	6.25	35.6	36.0
6-8-6 (Muriate 3, Sulfate 3)					
8173 Norris Hdw. & Seed Co., Henderson	5.75	8.80	6.09	35.6	36.2
4-12-8 (Muriate)					
7863 Hayes Hdw. Co., Dawson Springs	3.88	<u>11.60</u>	8.12	38.4	37.8
4-12-8 (Sulfate)					
7864 J. H. Fedders & Son, Covington	<u>3.74</u>	12.00	8.66 ^a	38.4	38.5
7865 John A. Sheehan, Falmouth	3.97	11.78	8.08	38.4	38.2
7962 Lebanon Carriage & Impl. Co., Lebanon	3.78	12.20	8.08	38.4	38.3
4-12-8 (Muriate 4, Sulfate 4)					
7866 Miller Mill, Lynn Grove	4.05	12.00	7.80	38.4	38.3
3-12-12 (Muriate)					
8047 Millersburg Coal & Lumber Co., Millersburg	3.08	12.00	<u>11.68</u>	40.4	40.2
8533 Johnson Bros., Lexington	2.97	12.10	12.38	40.4	40.8
3-9-6 (Muriate)					
8174 Norris Hdw. & Seed Co., Henderson	2.92	9.80	6.13	30.8	31.7
2-12-6 (Muriate)					
8048 L. F. Wellman, Louisa	1.96	12.40	5.82	32.4	32.6
8482 Lebanon Carriage & Impl. Co., Lebanon	2.05	<u>11.35</u>	6.05	32.4	31.8
8638 Crab Orchard Lumber Co., Crab Orchard	2.02	<u>11.30</u>	6.18	32.4	31.8
8639 Walters & Thompson, Shelbyville	1.94	<u>11.40</u>	6.22	32.4	31.8
8703 Norris Hdw. & Seed Co., Henderson	2.12	12.40	5.67	32.4	32.8

a. Excess Muriate equivalent to 1.20 percent potash

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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)					
0-14-7 (Muriate)					
8128 J. W. Davidson, Science Hill	.....	14.50	7.12	29.8	30.5
0-12-12 (Muriate)					
8049 Millersburg Coal & Lumber Co., Millersburg	.....	12.20	12.76	32.4	33.4
8050 L. F. Wellman, Louisa	.....	12.10	12.32	32.4	32.8
8357 Baughman Milling Co., Stanford	.....	12.20	12.88	32.4	33.5
8534 Johnson Brothers, Lexington	.....	11.90	12.13	32.4	32.4
18 % Superphosphate					
8129 Johnson & Hodges, Halls Gap	.....	19.40	.....	23.4	25.2
8329 Johnson Bros. Service Sta., Lexington	.....	19.00	.....	23.4	24.7
8358 Baughman Milling Co., Stanford	.....	18.40	.....	23.4	23.9
8640 Johnson Bros. Service Sta., Lexington	.....	18.90	.....	23.4	24.6
50 % Sulfate of Potash					
8051 L. F. Wellman, Louisa	.....	.....	50.44	55.0	55.5
THE AMERICAN CYANAMID COMPANY, New York 20, N. Y.					
33.50 % Ammonium Nitrate "Aeroprills"					
8052 Southern States Co-op., Elizabethtown	33.72	.....	.....	67.0	67.4
8176 Southern States Co-op., Henderson	33.28	.....	.....	67.0	66.6
8214 F. W. Rickard, Winchester	33.52	.....	.....	67.0	67.0
8246 Kincaid Gen. Merchandise, Hawesville	33.24	.....	.....	67.0	66.5
8483 Southern States Co-op., Harrodsburg	33.55	.....	.....	67.0	67.0
8535 Anderson & Spilman, Danville	33.52	.....	.....	67.0	67.0
20 % Cyanamid Granular "Aero Brand"					
8247 Southern States Co-op., London	20.36	.....	.....	48.0	48.9
8248 Southern States Co-op., Somerset	20.28	.....	.....	48.0	48.7
8282 Caulk Hardware Co., Campbellsville	20.04	.....	.....	48.0	48.1
8389 Harralson Seed Co., Owensboro	20.36	48.0	48.9
8390 Calloway County Soil Improvement Asso., Murray	20.44	48.0	49.1

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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					
Cincinnati, O., Nashville, Tenn., Jeffersonville, Ind.					
6-8-6 (Muriate) "Big Crop Brand"					
8391 Cadiz Hardware Co., Cadiz	5.81	9.50	6.35	35.6	37.4
8392 Harralson Seed Co., Owensboro	<u>5.59</u>	8.10	7.22	35.6	36.1
8331 Yopp Seed Co., Paducah	<u>5.57</u>	8.60	7.41	35.6	36.9
6-8-6 (Sulfate) Armour					
7963 F. B. Marksbury, Lancaster	6.06	8.50	6.35	35.6	36.7
7964 Willoughby Co., Richmond	5.95	8.60	6.32	35.6	36.5
8053 J. C. Everett & Co., Maysville	6.25	8.40	5.75	35.6	36.3
8359 W. C. Blair, Russell Springs	6.13	8.30	<u>5.67</u>	35.6	35.9
8733 H. L. Sparks, North Pleasureville	<u>5.70</u>	7.95	6.48 ^b	35.6	35.4
8755 Worley & Crain, Perryville	5.84	8.20	6.37	35.6	35.9
5-20-20 (Muriate) "Big Crop Brand"					
8332 Yopp Seed Co., Paducah	4.84	19.90	<u>18.46</u>	62.0	<u>60.0</u>
5-10-16 (Sulfate) Armour's					
7867 Loyd Yates and Son, Maud	4.95	10.30	<u>15.53</u>	46.0	45.8
8215 Carlisle Mill & Supply Co., Carlisle	<u>4.71</u>	10.30	<u>15.99</u>	46.0	45.8
8734 H. L. Sparks, North Pleasureville	4.81	10.15	15.82	46.0	45.6
8735 Watkins Brothers, Smithfield	4.97	10.20	16.60	46.0	46.8
5-10-10 (Muriate) "Vertagreen Brand"					
7965 John Adams, Jeff	<u>4.65</u>	10.60	10.77	40.0	40.8
8333 Louisa Supply Co., Louisa	5.09	10.70	10.52	40.0	41.5
8360 Camargo Farm Supply, Camargo	5.00	10.70	10.67	40.0	41.5
8393 Land-O'Nan Warehouse, Sturgis	4.94	10.10	9.91	40.0	39.9
5-10-10 (Sulfate) Armour's "Vetagreen Brand"					
7868 Loyd Yates & Son, Maud	4.93	10.03	11.08 ^c	40.0	41.0
8216 Carlisle Mill & Supply Co., Carlisle	4.92	10.40	10.27	40.0	40.6
8217 Keeton Wholesale Co., Grassy Creek	4.77	10.40	10.17	40.0	40.2
4-12-8 (Muriate) "Big Crop Brand"					
7869 Lyle's General Store, Brewers	3.81	12.00	<u>7.70</u>	38.4	37.7
8177 G. C. Cornett, Cumberland	<u>3.20</u>	13.25	8.25	38.4	38.6
8218 Birmingham Milling Co., Benton	3.75	11.75	8.38	38.4	38.0
8536 Butterworth Seed Co., Mayfield	4.10	<u>11.70</u>	8.21	38.4	38.5
8666 Youngblood Brothers, Mayfield	3.91	12.00	8.55	38.4	38.8
8720 Ross Feed Co., Murray	3.87	11.98	8.15	38.4	38.3
4-12-8 (Sulfate) Armour's					
8054 J. C. Everett & Co., Maysville	<u>3.55</u>	12.50	8.17	38.4	38.3

b. Excess Muriate equivalent to 0.68 percent potash

c. " " " " 0.74 " "

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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)					
4-12-8 (Sulfate) Armour's (Cont'd)					
8055 Thomerson Milling Co., Glasgow	3.99	11.90	8.07	38.4	38.3
4-12-8 (Sulfate) Armour's "Vertagreen Brand"					
8056 Jerome Glass, Grayson	4.38	12.20	7.99	38.4	39.4
4-12-4 (Muriate) "Big Crop Brand"					
8057 Truman Hollingsworth & Co., Tompkinsville	4.08	<u>11.60</u>	4.35	34.4	34.4
7966 Champion Warehouse 96, Jenkins	3.93	11.90	4.41	34.4	34.6
7967 W. D. Cunningham, Webbs Cross Roads	4.08	12.30	4.25	34.4	35.2
8130 Yopp Seed Company, Paducah	4.06	12.20	4.84	34.4	35.6
8131 Campbell Wholesale Co., Combs	4.05	12.50	4.14	34.4	35.2
8394 H. B. McCleary, Auburn	<u>3.68</u>	12.40	4.22	34.4	34.5
8736 Herschel Wray, Belton	<u>3.52</u>	<u>11.33</u>	5.62	34.4	34.3
4-12-4 (Muriate) "Old Black Joe"					
8641 George Patmor & Son, Marion	<u>3.65</u>	12.40	4.07	34.4	34.3
8704 J. R. Williams Hdw. Co., Beaver Dam	<u>3.56</u>	12.50	4.95	34.4	35.1
4-12-4 (Sulfate) Armour's					
7968 Elkins & Rose, Stillwater	<u>3.51</u>	12.40	8.55 ^d	34.4	38.5
3-12-12 (Muriate) "Big Crop Brand"					
7870 Ross Feed Co., Murray	2.83	11.75	11.83	40.4	39.6
7969 Farmers Supply Co., Whitesburg	3.03	12.00	12.68	40.4	41.1
8058 Gibbs Feed & Hdw. Co., Ashland	3.20	<u>11.55</u>	12.67	40.4	40.9
8334 Yopp Seed Co., Paducah	2.97	<u>12.40</u>	12.17	40.4	41.0
8537 Robert Edgar Young, Providence	3.25	<u>11.18</u>	12.66	40.4	40.6
8538 Butterworth Seed Co., Mayfield	2.97	<u>11.90</u>	11.98	40.4	40.2
8623 McWhorter Produce Co., Albany	3.08	11.88	<u>11.72</u>	40.4	40.1
8667 Slaughters Mercantile Co., Slaughters	2.99	11.90	12.44	40.4	40.7
3-12-12 (Sulfate) Armour's					
8059 Big Four Feed & Impl. Co., Scottsville	3.17	<u>11.70</u>	12.17	40.4	40.6
3-12-6 (Muriate) Old Black Joe					
7871 Ewen & Palmer, Stanton	3.47	12.00	6.88	34.4	36.2
7872 Lyle's General Store, Brewers	3.08	12.30	5.98	34.4	34.9
7970 Hobert Banks, Annville	3.29	12.10	6.48	34.4	35.6
8283 N. T. Nuckols, Elkton	<u>2.68</u>	12.70	6.07	34.4	34.7

d. Approximately half muriate and half sulfate of potash

REGULATORY BULLETIN NO. 96

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)					
3-12-6 (Muriate) Old Black Joe (Cont'd)					
8395 W. H. Arnold & Co., Madisonville	2.84	12.30	6.36	34.4	34.8
8396 Hatter Hardware Co., Franklin	2.89	11.85	6.86	34.4	34.9
8397 H. B. McCleary, Auburn	2.85	12.60	6.35	34.4	35.2
8484 Big Four Feed & Impl. Co., Scottsville	3.06	<u>11.73</u>	5.86	34.4	34.1
8539 Robert Young, Providence	3.04	12.20	5.75	34.4	34.5
8540 Denton Hardware Co., Madisonville	2.94	12.00	5.96	34.4	34.2
8721 Gibson Produce Co., Monticello	2.98	12.20	5.84	34.4	34.4
3-9-6 (Muriate) "Big Crop"					
8060 H. B. McCleary, Auburn	<u>2.67</u>	9.80	6.21	30.8	31.3
7971 Hackney-Jellico Co., Middlesboro	3.12	9.20	6.05	30.8	31.3
8398 The T. J. Turley Co., Owensboro	2.84	8.80	6.47	30.8	30.7
8541 Anderson & Spilman, Danville	3.04	9.50	7.08	30.8	32.6
8737 Herschel Wray, Belton	2.95	9.30	<u>5.44</u>	30.8	30.5
3-9-6 (Sulfate) Armour's					
7972 London Hdw. Co., London	2.91	9.60	6.67	30.8	32.0
7973 Hackney-Jellico Company, Middlesboro	3.05	9.20	6.55	30.8	31.7
2-12-6 (Muriate) "Big Crop"					
7873 Slaughters Mercantile Co., Slaughters	2.26	11.90	6.45	32.4	33.3
7974 London Hdw. Co., London	2.07	12.10	6.65	32.4	33.3
8061 Big Four Feed & Impl. Co., Scottsville	2.07	12.10	6.52	32.4	33.2
8062 T. H. Gilley Grocery, Lecta	2.41	11.85	6.91	32.4	34.0
8219 Wrigley Mercantile Co., Wrigley	3.25	<u>11.40</u>	<u>5.31</u>	32.4	33.5
8284 Forbes Hdw. Co., Hopkinsville	2.06	12.10	<u>6.57</u>	32.4	33.2
8309 G. M. Haycraft & Son, Leitchfield	2.13	12.30	<u>5.61</u>	32.4	32.6
8310 Farmers Supply Co., Hodgenville	2.11	12.05	6.81	32.4	33.5
8399 Hatter Hdw. Co., Franklin	2.20	11.90	6.57	32.4	33.3
8400 Cadiz Hdw. Co., Cadiz	1.99	12.50	6.21	32.4	33.2
8401 Sam Ryle, Burlington	2.08	12.20	6.30	32.4	33.1
8402 H. B. McCleary, Auburn	2.05	12.40	6.31	32.4	33.3
8485 E. M. Bryant, Tollesboro	2.11	12.20	6.18	32.4	33.0
8486 H. W. Duvall, Park City	2.24	12.30	5.88	32.4	33.1
8542 Farmers Supply Co., Eminence	2.14	12.20	6.29	32.4	33.2
8642 Hinch & Co., Marion	2.32	12.00	6.08	32.4	33.1
8668 Slaughters Mercantile Co., Slaughters	2.11	12.10	6.38	32.4	33.1
8705 Bishop, Patterson & Gray Bros. Glasgow	2.04	11.95	6.21	32.4	32.6
0-20-20 (Muriate) "Big Crop"					
8335 Louisa Supply Co., Louisa	....	20.20	19.94	50.0	50.2

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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" (Cont'd)					
8361 Allen Coal Service, Brandenburg	20.10	18.78	50.0	48.9
8362 W. C. Blair, Russell Springs	20.25	18.42	50.0	48.7
8403 The T. J. Turley Co., Ownesboro	20.03	19.36	50.0	49.4
8404 Sam Ryle, Burlington	19.70	21.20	50.0	50.8
8405 Bonnierville Hdw. Co., Bonnierville	19.10	18.70	50.0	47.6
8406 Land-O'Nan Warehouse, Sturgis	19.43	19.92	50.0	49.2
8487 E. M. Bryant, Tollesboro	20.20	22.00	50.0	52.2
8488 Ideal Hdw. Co., Glasgow	20.10	20.88	50.0	51.0
8669 S. E. Hale & Son, Hdw. Co., Greenville	19.10	19.14	50.0	48.1
0-14-7 (Muriate) "Big Crop"					
8063 Farmers Hay & Seed Co., Smiths Grove	14.10	7.28	29.8	30.2
8178 Quality Grocery & Hdw. Co., Greenville	11.08	7.26	29.8	26.8
8220 Camargo Farmers Supply, Camargo	14.40	6.73	29.8	30.0
8285 Forbes Hdw. Co., Hopkinsville	13.60	6.71	29.8	29.0
8311 G. M. Haycraft & Son, Leitchfield	13.45	7.40	29.8	29.5
8363 Irvington Truck Lines, Irvington	13.88	7.98	29.8	30.6
8364 Camargo Farmers Supply, Camargo	13.33	7.42	29.8	29.4
8407 Keith & Lykins, Springdale	13.45	7.41	29.8	29.6
8408 Ratliff Hdw. Co., Princeton	14.40	7.40	29.8	30.7
8409 Hatter Hdw. Co., Franklin	15.20	8.89	29.8	33.1
8489 E. M. Bryant, Tollesboro	14.90	7.09	29.8	31.0
8543 Farmers Supply Co., Eminence	13.40	7.39	29.8	29.5
8644 Hinch & Co., Marion	13.98	7.62	29.8	30.4
8670 G. M. Haycraft & Son, Leitchfield	13.25	7.85	29.8	29.8
8671 Caneyville Mills, Caneyville	14.20	8.19	29.8	31.2
0-12-12 (Muriate)					
7874 Slaughters Mercantile Co., Slaughters	12.80	9.94	32.4	31.3
7875 H. W. Duvall, Park City	12.30	10.27	32.4	31.0
8064 Gibbs Feed & Hdw. Co., Ashland	13.25	6.21	32.4	28.1
8065 Virgie Stallard, Olive Hill	12.20	11.87	32.4	32.5
8286 N. T. Nuckols, Elkton	12.30	11.48	32.4	32.2
8365 Allen Coal Service, Brandenburg	11.95	12.41	32.4	32.8
8410 Upton Hardware Co., Upton	12.40	11.98	32.4	32.9
8491 H. W. Duvall, Park City	12.30	11.16	32.4	31.9
8544 Robert Young, Providence	12.20	11.35	32.4	32.0
8672 Slaughters Mercantile Co., Slaughters	11.90	12.09	32.4	32.4
8673 Allen Coal Service, Brandenburg	12.00	11.16	32.4	31.6
8674 Quality Grocery & Hdw. Co., Greenville	13.00	12.14	32.4	33.7

REGULATORY BULLETIN NO. 96

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)					
0-12-12 (Muriate) "Big Crop" with 3# borax per 100#					
8490 Big Four Feed & Impl. Co., Scottsville (1)	12.90	<u>10.54</u>	32.4	32.0
45 % Superphosphate					
8492 A. C. Roberts, Scottsville	46.40	.....	58.5	60.3
8411 Cadiz Hdw. Co., Cadiz	<u>44.40</u>	.....	58.5	57.8
20 % Superphosphate					
7876 N. T. Nuckols, Elkton	20.80	.....	26.0	27.0
7877 Ross Feed Company, Murray	<u>19.55</u>	.....	26.0	25.4
7975 Ratliff Hdw. Co., Princeton	<u>19.65</u>	.....	26.0	25.6
8249 McWhorter Produce Co., Albany	<u>17.48</u>	.....	26.0	<u>22.7</u>
8287 Thomas Warren, Guthrie	<u>20.20</u>	.....	26.0	<u>26.3</u>
8412 Hatter Hardware Co., Franklin	21.10	.....	26.0	27.4
8413 Cadiz Hdw. Co., Cadiz	20.70	.....	26.0	26.9
8493 Truman Hollingsworth, Tompkinsville	20.60	.....	26.0	26.8
8545 Harralson Seed Co., Owensboro	20.50	.....	26.0	26.7
8546 Anderson and Spilman, Danville	19.80	.....	26.0	25.7
8624 John J. Carter, Waynesburg	<u>19.58</u>	.....	26.0	25.5
8645 Willoughby Supply Co., Richmond	<u>18.70</u>	.....	26.0	<u>24.3</u>
8675 Caneyville Roller Mills, Caneyville	<u>19.30</u>	.....	26.0	25.1
8706 Owen Ayres, Morgantown	20.60	.....	26.0	26.8
8756 Worley & Crain, Perryville	<u>19.40</u>	.....	26.0	25.2
16 % Nitrate of Soda					
8066 C. A. Rouborne & Son, Lawton	16.08	.....	.....	48.0	48.2
20 % "Aero" Cyanamid					
8414 Cadiz Hdw. Co., Cadiz	20.76	.....	.....	48.0	49.8
33.50 % Ammonium Nitrate					
8132 D. H. Tate, Monticello	<u>33.08</u>	.....	.....	67.0	66.2
8676 S. E. Hale & Son, Greenville	<u>33.52</u>	.....	.....	67.0	67.0
60 % Muriate of Potash					
8336 Yopp Seed Company, Paducah	60.32	54.0	54.3
50 % Muriate of Potash					
8337 Yopp Seed Co., Paducah	53.68	45.0	48.3
48 % Sulfate of Potash					
8707 Ideal Hdw. Co., Glasgow	51.76	52.8	56.9
8738 H. L. Sparks, N. Pleasureville	52.24	52.8	57.5

(1) Boron guaranteed 0.34 percent - found 0.37 percent

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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					
8250 Southern States Cooperative, Campbellsville	....	62.30	.....	80.6	81.0
8312 Morrison & Wallace, Hodgenville	....	61.55	.....	80.6	80.0
49 % Superphosphate					
7878 Calloway Co. Soil Imp. Asso., Murray	....	49.00	.....	63.7	63.7
8251 W. C. Turner, Greensburg	....	47.28	.....	63.7	61.5
8677 Glenn Jackson, Kuttawa	....	48.90	.....	63.7	63.6
48 % Superphosphate					
7879 Calloway County Soil Imp. Asso., Murray	....	47.65	.....	62.4	62.0
8221 Pike County Hatchery, Pikeville	....	49.00	.....	62.4	63.7
8494 Stewart and Co., Munfordville	....	47.90	.....	62.4	62.3
8757 Southern States Co-op., Lebanon	....	47.75	.....	62.4	62.1
47 % Superphosphate					
8415 Land-O'Nan Warehouse, Sturgis	....	48.00	.....	61.1	62.4
8495 Allen County Farmers Service, Scottsville	....	47.10	.....	61.1	61.2
8496 Farmers Service Store, Tompkinsville	....	46.90	.....	61.1	61.0
33 % Ammonium Nitrate					
8067 Stanton Farmers Supply, Stanton	33.28	....	.....	66.0	66.6
8547 Southern States Co-op., Fulton	33.44	....	.....	66.0	66.9
8678 Springfield Feed & Grain Co., Springfield	33.32	....	.....	66.0	66.6
THE BARRETT DIVISION, ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.					
16 % Nitrate of Soda - Arcadian, the American					
7976 Steve Rose Market, Campton	16.24	....	....	48.0	48.7
BLUEGRASS PLANT FOODS, Cynthiana, Ky.					
6-8-12 (Muriate 3, Sulfate 9)					
8068 J. R. Prather, Mayslick	6.09	8.50	11.99	41.6	42.4
6-8-6 (Muriate 3, Sulfate 3)					
8069 Louisa Grocery, Louisa	5.54	8.60	6.47	35.6	35.9

REGULATORY BULLETIN NO. 96

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 COMPANY, (Cont'd)					
3-12-12 (Muriate)					
7784 Fern Creek Feed & Hdw. Co., Buechel	2.98	11.83	<u>11.56</u>	40.4	39.7
3-9-6 (Muriate)					
7785 Shepherdsville Feed Mill, Shepherdsville	2.88	<u>8.43</u>	6.83	30.8	30.7
8252 Hancock Feed Store, Middletown	3.03	<u>8.33</u>	6.11	30.8	30.2
8549 Buhner & Co., Louisville	2.96	9.90	10.07	30.8	35.9
2-12-6 (Muriate)					
7786 Shepherdsville Feed Mill, Shepherdsville	2.29	11.90	6.67	32.4	33.5
8253 Buhner & Co., Louisville	2.10	<u>11.60</u>	5.85	32.4	32.0
8416 Shepherdsville Feed Mills, Shepherdsville	2.11	11.88	6.25	32.4	32.7
8497 Allison Shipp, Campbellsville	1.91	<u>11.33</u>	6.08	32.4	31.5
8550 Hancock Feed Store, Middletown	1.90	<u>11.50</u>	6.66	32.4	32.3
8679 D. L. Jesse, Columbia	1.95	<u>11.60</u>	6.78	32.4	32.6
0-12-12 (Muriate)					
7787 Nall Feed Store, Vine Grove	....	<u>11.48</u>	12.88	32.4	32.7
7788 Buhner & Co., Louisville	....	<u>11.60</u>	13.21	32.4	33.1
7978 Cann Feed Store, Clarkson	....	11.90	13.04	32.4	33.3
8254 Buhner & Co., Louisville	....	<u>11.55</u>	12.70	32.4	32.6
8551 Buhner & Co., Louisville	....	<u>11.13</u>	11.99	32.4	<u>31.4</u>
BURLEY BELT PLANT FOOD WORKS, Lexington, Ky.					
6-8-6 (Sulfate)					
7979 Southern States Co-op., Owenton	6.19	8.20	6.24	35.6	36.5
7980 Jackson County Farm Service, McKee	5.93	8.00	6.31	35.6	35.8
5-10-16 (Sulfate)					
8722 A. C. Bogie, Winchester	4.89	10.50	<u>15.30</u>	46.0	45.7
4-12-12 (Sulfate)					
7981 Southern States Co-op., Lebanon	3.92	<u>11.53</u>	11.77	42.4	41.5
4-12-8 (Sulfate)					
8222 Peck Farmers Supply Co., Sharpsburg	4.16	12.00	7.94	38.4	38.7

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty Station No. and From Whom Obtained	Nitrogen	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
BLUEGRASS PLANT FOODS, (Cont'd)					
4-12-8 (Sulfate) 7880 Wells Produce Co., Carlisle	4.22	12.10	8.26	38.4	39.2
4-12-8 (Muriate 4, Sulfate 4) 7881 Winchester Grocery, Winchester	4.33	12.10	8.35	38.4	39.5
3-12-12 (Muriate 3, Sulfate 9) 8070 J. R. Prather, Mayslick	3.35	12.70	12.15	40.4	42.1
3-9-6 (Sulfate) 7780 J. H. Meyers, Ewing	3.15	8.98	6.21	30.8	31.3
2-12-6 (Muriate) 8133 West Liberty Cut Rate Grocery, W. Liberty	2.20	12.00	6.13	32.4	32.9
0-12-12 (Muriate) with 40# Borax per ton 7781 J. H. Meyers, Ewing (2)	....	12.10	12.40	32.4	32.9
21.50 % Sulfate of Potash Magnesia 7882 Wells Produce Co., Carlisle	....	....	21.78	43.0	43.6
8134 Brack Noble, Jackson	....	....	21.64	43.0	43.3
BUHNER FERTILIZER COMPANY, Seymour, Indiana					
6-8-6 (Muriate) 7782 Fern Creek Feed & Hdw. Co., Buechel	5.76	8.00	8.17	35.6	37.3
6-8-6 (Sulfate) 7783 Buhner & Co., Louisville	5.78	7.90	6.83 ^e	35.6	35.9
7977 Cann Feed Store, Clarkson	5.51	8.00	6.41 ^f	35.6	35.0
8179 J. W. Dawson, Stringtown	5.63	8.90	6.21 ^g	35.6	36.3
4-12-8 (Muriate) 8548 Buhner & Co., Louisville	3.65	11.10	7.71	38.4	36.3
4-12-8 (Sulfate) 8071 Milton Edwards, Hardyville	3.85	12.30	8.56 ^h	38.4	39.0

(2) Boron guaranteed 0.23 percent-Found 0.18 percent

e. Excess muriate equivalent to 0.30 percent potash

f. " " " " 0.32 " "

g. " " " " 0.45 " "

h. " " " " 0.87 " "

REGULATORY BULLETIN NO. 96

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)					
4-8-12 (Sulfate)					
8135 Farmers Service Store, Jamestown	4.08	8.20	12.65	37.6	38.7
3-9-6 (Muriate)					
7789 Southern States Co-op., Bowling Green	2.98	9.10	5.96	30.8	30.8
7982 Southern States Co-op., Lebanon	3.22	<u>8.73</u>	6.22	30.8	31.1
7983 Street Supply, Mouth Cord	3.15	8.83	6.44	30.8	31.3
60 % Muriate of Potash					
7883 Farm & Home Store, Irvine	....	....	<u>59.64</u>	54.0	53.7
7984 U. S. Public Health Hospital, Lexington	....	....	59.92	54.0	53.9
8552 Southern States Co-op., Danville	....	....	<u>57.12</u>	54.0	<u>51.4</u>
CHEMICAL FORMULATORS, N. Charleston, W. Va.					
6-8-6 (Muriate)					
7790 Ashland Grocery, Ashland	5.86	<u>7.50</u>	5.88	35.6	34.6
3-9-6 (Muriate)					
8072 Louisa Grocery, Louisa	<u>2.22</u>	<u>6.70</u>	<u>4.79</u>	30.8	<u>25.3</u>
COMMONWEALTH FERTILIZER COMPANY, Russellville, Ky.					
6-8-6 (Muriate)					
7884 Warren Elevator, Guthrie	6.21	8.20	6.66	35.6	36.9
4-12-4 (Muriate)					
8073 J. W. Bond, Russellville	4.28	12.40	5.23	34.4	36.7
3-12-12 (Muriate 3, Sulfate 9)					
8074 Logan County Seed Co., Russellville	3.29	13.00	12.29	40.4	42.5
3-9-6 (Muriate)					
8075 McGehee and Grise Produce Co., Lewisburg'	3.09	10.30	6.42	30.8	33.0
8288 M. G. Williams Impl. Co., Hopkinsville:	3.07	9.90	6.02	30.8	32.0
2-12-6 (Muriate)					
8289 M. B. Williams, Impl. Co., Hopkinsville	2.07	12.53	6.21	32.4	33.4
8290 Thomas Warren, Guthrie	2.01	12.75	5.90	32.4	33.2

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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, (Cont'd)					
2-12-6 (Muriate) (Cont'd)					
8417 Manufacturer's warehouse	2.18	12.10	6.40	32.4	33.3
8708 Young Lumber Co., Beaver Dam	2.13	12.60	6.15	32.4	33.5
0-14-7 (Muriate)					
7791 Twin Oaks No. 2, Scottsville	....	<u>13.65</u>	8.23	29.8	30.6
7885 Warren Elevator, Guthrie	....	13.85	8.10	29.8	30.7
0-12-12 (Muriate)					
8418 Manufacturer's warehouse	....	15.35	<u>11.31</u>	32.4	35.7
CONSOLIDATED CHEMICAL CO., Sub. Price Chemical Company, Louisville, Ky.					
2-12-6 (Muriate)					
7886 Farmers Supply Center, Leitchfield	2.34	12.30	6.24	32.4	33.7
8165 Brewer Grocery, Beattyville	2.36	12.00	6.50	32.4	33.6
8553 Oscar Farmer & Son, Louisville	1.77	12.40	<u>4.94</u>	32.4	31.4
8625 Stockton Bros., Albany	2.38	12.30	<u>6.25</u>	32.4	33.8
0-12-12 (Muriate) with tobacco stems					
8554 Oscar Farmer & Son, Louisville	....	13.15	12.60	32.4	34.4
COOPERATIVE FERTILIZER SERVICE, Winchester, Ky.					
6-8-6 (Sulfate) "Service Quality" Open Formula					
7887 Marshall County Soil Imp. Asso., Benton	6.10	8.30	6.27	35.6	36.4
8076 Southern States Co-op., Ashland	6.03	8.90	6.58	35.6	37.3
8646 Southern States Co-op., London	5.88	8.50	6.46	35.6	36.4
8680 Southern States Co-op., Danville	6.05	8.70	6.32	35.6	36.9
8709 Southern States Co-op., Glasgow	6.04	8.60	6.30	35.6	36.7
8723 Southern States Co-op., Carlisle	6.00	8.38	6.31	35.6	36.4
8724 Southern States Co-op., Somerset	6.09	8.03	6.31	35.6	36.1
8739 Jackson County Farm Service, McKee	5.90	8.03	7.10	35.6	36.5
8740 Barnett Farm Supply, N. Pleasureville	6.12	8.20	6.53	35.6	36.6
8766 Southern States Co-op., Bardstown	6.01	8.25	6.63	35.6	36.6
5-10-10 (Muriate) "Quality Super Brand" Open Formula					
7792 Southern States Co-op., Shelbyville	5.13	10.30	10.17	40.0	40.8
7888 Land-O'Nan Warehouse, Sturgis	5.24	10.40	10.40	40.0	41.4
8077 Southern States Co-op., Elizabethtown	5.12	10.80	10.09	40.0	41.3

REGULATORY BULLETIN NO. 96

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)					
5-10-10 (Muriate) "Quality Super Brand" (Cont'd)					
8180 Southern States Co-op., Henderson	5.16	11.80	10.32	40.0	42.8
8181 Southern States Co-op., Bardstown	5.08	10.90	10.38	40.0	41.6
4-16-8 (Muriate) "Service Quality" Open Formula					
8078 Farmers Service, Tompkinsville	4.05	<u>15.18</u>	8.32	43.2	42.6
8291 J. A. Murphy Gen. Store, Clements ville	4.03	16.20	8.61	43.2	44.1
8338 K. R. McKinney & Son, Smithland	4.10	<u>15.48</u>	8.49	43.2	43.3
8366 Farmers Supply, Monticello	3.99	<u>16.10</u>	8.38	43.2	43.7
8367 Southern States Co-op., Shelbyville	4.00	16.00	9.23	43.2	44.4
8556 Magoffin Farmers Supply, Salyersville	3.86	16.00	8.90	43.2	43.8
8557 Southern States Co-op., Clinton	4.12	16.00	8.72	43.2	44.2
4-16-8 (Muriate) Open Formula					
7193 Leonard Hardware & Farm Supply, Greenville	4.24	<u>15.53</u>	8.60	43.2	43.7
8498 Southern States Co-op., Campbellsville	3.92	15.80	8.31	43.2	43.1
8555 Southern States Co-op., Louisville	3.96	15.80	8.33	43.2	43.2
4-12-8 (Muriate) "Quality Super Brand" Open Formula					
7794 Frank Fulkerson, Owensboro	4.42	12.00	8.61	38.4	39.9
7889 Calloway County Soil Imp. Asso., Murray	4.34	12.00	8.41	38.4	39.5
7890 Graves County Soil Asso., Mayfield	4.42	11.90	8.46	38.4	39.6
7891 Southern States Co-op., Hopkinsville	4.12	12.15	8.33	38.4	39.1
8079 Farmers Supply Co., Paintsville	4.10	12.00	8.67	38.4	39.3
8080 Stanton Farmers Supply, Stanton	4.17	11.90	8.61	38.4	39.2
8339 K. R. McKinney & Son, Smithland	4.09	<u>11.60</u>	8.48	38.4	38.6
8419 Calloway County Soil Imp. Asso., Murray	4.13	<u>11.68</u>	8.59	38.4	38.9
8420 Southern States Co-op., Owensboro	4.09	11.80	8.60	38.4	38.9
8499 Bray & Co., Gamaliel	4.14	<u>11.63</u>	8.44	38.4	38.7
4-8-12 (Sulfate) Open Formula					
7795 Southern States Co-op., Georgetown	4.05	8.00	12.06	37.6	37.8
7796 Bridwell Mill, Mt. Washington	4.02	8.30	12.09	37.6	38.1
7892 Stanton Farmers Supply, Stanton	4.17	8.60	<u>11.70</u>	37.6	38.4
7985 Southern States Co-op., Lexington	4.09	8.50	12.42	37.6	38.8
8081 Farmers Supply Co., Paintsville	4.14	8.20	12.47	37.6	38.6
8082 Bray & Co., Gamaliel	4.24	8.60	12.53	37.6	39.2
8681 Southern States Co-op., Flemingsburg	3.84	8.80	12.19	37.6	38.4

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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)					
4-8-12 (Sulfate) Open Formula (Cont'd)					
8710 Southern States Co-op., Glasgow	3.94	8.10	12.44	37.6	38.0
8741 Farmers Supply Preston Warehouse, Owingsville	4.08	8.40	12.34	37.6	38.6
8742 Henry Co. Farm & Home Service Eminence	3.98	8.10	12.54	37.6	38.2
8758 H. & H. Farm Store, Lancaster	4.15	8.60	11.95	37.6	38.6
8767 Richmond Farm Service, Richmond	3.88	8.50	12.37	37.6	38.3
8768 Southern States Co-op., Bardstown	4.01	8.60	12.34	37.6	38.7
3-12-6 (Muriate) "Quality Super Brand" Open Formula					
7797 Farmers Service Store, Hardinsburg	3.19	12.15	6.42	34.4	35.4
7893 Land-O'Nan Warehouse, Sturgis	3.23	11.75	6.78	34.4	34.7
8083 Stanton Farmers Supply Co., Stanton	3.25	12.10	6.21	34.4	35.2
8084 Farmers Service, Tompkinsville	3.44	12.50	6.47	34.4	36.4
8136 Southern States Co-op., Shelbyville	3.05	12.00	6.57	34.4	35.1
2-12-6 (Muriate) Open Formula					
8085 Stanton Farmers Supply Co., Stanton	2.21	12.30	6.71	32.4	33.9
8086 Southern States Co-op., Maysville	2.18	12.30	6.52	32.4	33.6
8137 Brown & Jones, Shepherdsville	2.28	12.70	6.57	32.4	34.4
8368 Rowan Farmers Supply, Morehead	2.16	12.70	6.25	32.4	33.8
8421 Calloway County Soil Imp. Asso., Murray	2.19	11.88	6.65	32.4	33.3
8422 Edmonson County Cooperative, Brownsville	2.18	13.00	6.47	32.4	34.4
8500 Southern States Co-op., Campbellsville	2.19	12.10	6.39	32.4	33.3
8558 Southern States Co-op., LaGrange	2.14	12.40	6.56	32.4	33.7
8559 Southern States Co-op., Owensboro	2.17	13.18	6.37	32.4	34.5
8647 Crab Orchard Hdw. Store, Crab Orchard	2.14	12.70	6.54	32.4	34.1
8648 Orville Strange, Chaplin	2.07	12.20	6.11	32.4	32.9
0-14-14 (Muriate) "Quality Brand"					
7799 Bourbon Farm Service, Paris	....	14.00	15.33	36.8	38.1
7800 Southern States Co-op., Shelbyville	....	13.98	15.03	36.8	37.8
7801 Farmers Service Store, Hardinsburg	....	14.10	14.84	36.8	37.8
7895 Southern States Co-op., Hopkinsville	....	14.00	14.61	36.8	37.4
8223 Camargo Farmers Supply, Camargo	....	14.30	15.55	36.8	38.7
8255 Southern States Co-op., Shelbyville	....	14.40	14.38	36.8	37.7
8313 Morrison & Wallace, Hodgenville	....	14.10	14.76	36.8	37.7
8369 Rowan Farmers Supply, Morehead	....	14.50	14.68	36.8	38.1
8424 Southern States Co-op., Maysville	....	14.40	14.55	36.8	37.8
8426 Calloway County Soil Imp. Asso., Murray	....	14.40	14.76	36.8	38.0
8560 Southern States Co-op., Louisville	....	14.30	14.11	36.8	37.3

REGULATORY BULLETIN NO. 96

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)					
0-14-14 (Muriate) "Quality Brand" (Cont'd)					
8561 Southern States Co-op., Owensboro	....	14.40	15.04	36.8	38.3
8562 Southern States Co-op., Fulton	....	14.50	14.63	36.8	38.0
8563 Magoffin Farmers Supply, Salyersville	....	13.90	14.63	36.8	37.3
0-14-14 (Muriate) with 3# Borax per 100# "Super Brand"					
8501 Stewart & Co., Munfordville (3)	....	14.80	13.52	36.8	37.3
7798 Southern States Co-op., Shelbyville(4)	....	14.05	14.85	36.8	37.7
7894 Land-O'Nan Warehouse, Sturgis (5)	....	14.00	14.19	36.8	37.0
8087 Stanton Farmers Supply, Stanton (6)	....	14.20	15.20	36.8	38.2
8340 K. R. McKinney & Son, Smithland(7)	....	14.80	14.38	36.8	38.1
8423 Southern States Co-op., Russellville (8)	....	15.00	14.01	36.8	38.0
8425 Southern States Co-op., Georgetown (9)	....	14.90	14.08	36.8	38.0
8564 Southern States Co-op., Paducah(10)	....	14.40	15.34	36.8	38.6
60 % Muriate of Potash					
8256 Southern States Co-op., Shelbyville	....	....	61.00	54.00	54.9
8341 K. R. McKinney & Son, Smithland	....	....	60.36	54.0	54.3
8342 Farmers Supply Co., Paintsville	....	....	60.68	54.0	54.6
8427 Southern States Co-op., Owensboro	....	....	60.20	54.0	54.2
50.50 % Sulfate of Potash					
7802 Farmers Service Store, Hardinsburg	....	....	50.96	55.6	56.1
50 % Sulfate of Potash					
7986 Southern States Co-op., Danville	....	....	50.28	55.0	55.3
COVINGTON FERTILIZER COMPANY, Covington, Tennessee					
82 % Anhydrous ammonia					
8172 Shaker Feed and Seed Co., South Union	82.00	....	....	123.0	123.0
(3) Boron guaranteed 0.34 percent - found 0.33 percent					
(4)	0.34	"	0.26	"	
(5)	0.34	"	0.29	"	
(6)	0.34	"	0.30	"	
(7)	0.34	"	0.32	"	
(8)	0.34	"	0.29	"	
(9)	0.34	"	0.29	"	
(10)	0.34	"	0.33	"	

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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, Hopkinsville, Kentucky					
6-8-6 (Muriate)					
8428 Robinson Implement Co., Princeton	5.94	8.80	6.86	35.6	37.3
8429 Ratliff Hdw. Co., Princeton	5.83	8.40	6.66	35.6	36.4
8649 Nelson Feed Store, Marion	6.10	8.10	6.45	35.6	36.4
6-8-6 (Muriate 3, Sulfate 3)					
7988 Ratliff Hdw. Co., Princeton	6.12	8.10	6.53	35.6	36.5
4-12-8 (Muriate)					
7803 Fox Hdw. Co., Madisonville	4.16	12.00	8.47	38.4	39.2
7989 E. F. Ordway, Fredonia	4.16	12.20	8.15	38.4	39.1
8565 Manufacturer's warehouse	4.08	12.10	8.19	38.4	38.9
8566 Fox Hdw. Co., Madisonville	4.10	12.00	8.25	38.4	38.9
4-12-8 (Sulfate)					
7896 Manufacturer's warehouse	<u>3.69</u>	11.83	8.67 ⁱ	38.4	38.3
3-12-12 (Muriate)					
7804 Fox Hdw. Co., Madisonville	3.30	<u>11.43</u>	13.13	40.4	41.5
7897 McCollum Hdw., Dawson Springs	3.15	<u>11.50</u>	13.18	40.4	41.3
7990 Ratliff Hdw. Co., Princeton	3.37	<u>11.85</u>	13.20	40.4	42.2
8430 Robinson Impl. Co., Princeton	3.15	12.20	13.21	40.4	42.2
8431 Fox Hdw. Co., Madisonville	3.02	12.10	13.62	40.4	42.2
8567 Pyles & Goodwin, Crofton	2.96	12.20	13.30	40.4	41.9
2-12-6 (Muriate)					
7898 Smith & Reynolds, Slaughters	1.96	12.30	6.27	32.4	33.0
7991 W. G. Putman, Nortonville	2.03	12.00	7.17	32.4	33.6
8292 Cayce-Yost Co., Hopkinsville	2.06	<u>11.73</u>	6.81	32.4	33.0
8432 Fox Hdw. Co., Madisonville	1.79	<u>12.40</u>	7.03	32.4	33.5
8433 Robinson Implement & Motor Co., Princeton	1.76	12.10	6.67	32.4	32.7
0-14-7 (Muriate)					
8293 Cayce-Yost Co., Hopkinsville	....	<u>13.15</u>	8.24	29.8	30.0
0-12-12 (Muriate)					
7899 McCollum Hdw. Co., Dawson Springs	....	12.40	12.03	32.4	32.9
7900 Cayce-Yost Co., Hopkinsville	....	12.20	12.96	32.4	33.6
7992 Ruble Grocery & Hdw. Co., Fredonia	....	12.40	13.27	32.4	34.2
7993 Robinson Impl. & Motor Co., Princeton	....	12.30	12.56	32.4	33.3
8294 Cayce-Yost Co., Hopkinsville	....	12.10	12.75	32.4	33.3

i. Excess muriate equivalent to 1.32 percent potash

REGULATORY BULLETIN NO. 96

Manufacturer, Brand Name, Guaranty Station No. and From Whom Obtained	Nitrogen	Phosphoric Acid Available	Potash	Index of Relative Value	
				Guar.	Found
CUMBERLAND CHEMICAL CO., (Cont'd)					
0-12-12 (Muriate) (Cont'd)					
8434 Robinson Impl. & Motor Co., Princeton	....	12.40	12.00	32.4	32.9
8569 Pyles & Goodwin, Crofton	....	12.00	13.04	32.4	33.4
0-12-12 (Muriate) with 5 lbs. Borax per 100 lbs.					
8568 Manufacturer's warehouse (11)	....	<u>11.40</u>	13.43	32.4	33.1
18 % Superphosphate					
7901 Forbes Hdw. Co., Hopkinsville	....	18.70	....	23.4	24.3
THE DAVISON CHEMICAL CORPORATION, Hopkins Fertilizer Division, New Albany, Ind.					
6-8-6 (Muriate) Old Time					
8257 Buechel Produce Exchange, Buechel	5.89	8.70	6.78	35.6	37.0
8258 Buechel Produce Exchange, Buechel	<u>5.72</u>	8.90	6.62	35.6	36.7
8435 Henderson Feed & Com. Co., Henderson	<u>5.70</u>	8.60	6.60	35.6	36.3
6-8-6 (Sulfate) Old Time					
7902 Edmonson County Co-op., Brownsville	5.92	8.40	6.47	35.6	36.4
7994 E. L. Creech, London	5.75	8.50	7.27 ^j	35.6	37.0
8088 W. J. Hulette, Frankfort	<u>5.47</u>	9.00	7.54 ^k	35.6	37.3
8089 Ward General Store, Munfordville	5.93	8.60	6.81	35.6	37.0
3-12-12 (Muriate) Old Time					
8259 Buechel Produce Exchange, Buechel	3.32	12.00	12.46	40.4	41.5
8138 Buechel Produce Exchange, Buechel	3.03	12.40	12.23	40.4	41.2
8182 Jewell & Hayden, Bardstown	3.10	13.00	12.93	40.4	42.7
8650 Jewell & Hayden, Bardstown	3.14	12.30	12.04	40.4	41.1
3-9-6 (Muriate) Old Time					
7995 Homer Martin, London	2.96	9.00	6.17	30.8	30.9
2-12-6 (Muriate) Old Time					
7903 Edmonson County Co-op., Brownsville	2.09	12.00	6.64	32.4	33.2
8183 Jewell & Hayden, Bardstown	2.19	13.20	6.94	32.4	35.2
8184 The Hoskins Store, Campbellsville	2.12	12.80	6.08	32.4	33.7
8185 Henderson Feed & Commission Co., Henderson	2.00	12.40	6.26	32.4	33.1

(11) Boron guaranteed 0.56 percent - found 0.43 percent

j. Excess muriate equivalent to 1.01 percent potash

k. " " " " 1.73 " "

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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 CORP., (Cont'd)					
2-12-6 (Muriate) Old Time (Cont'd)					
8260 Buechel Produce Exchange, Buechel	2.00	12.70	6.66	32.4	33.9
8436 Henderson Feed & Commission Co., Henderson	2.07	12.20	6.67	32.4	33.5
8502 R. D. Reynolds, Cave City	1.93	12.40	6.75	32.4	33.5
8503 Hoskins Store, Campbellsville	2.02	12.30	6.99	32.4	33.8
8570 Ruark Truck Lines, Morganfield	1.97	12.00	6.78	32.4	33.1
8571 Duncan & Hughes Co., LaGrange	1.98	12.00	6.53	32.4	32.9
0-12-12 (Muriate) Old Time					
8295 Owsley Farm Service, Booneville	....	<u>11.70</u>	12.74	32.4	32.8
8370 W. B. Smith & Sons, Yeaman	....	<u>11.80</u>	12.36	32.4	32.5
8437 Henderson Feed & Commission Co., Henderson	....	12.00	12.45	32.4	32.9
8504 Hoskins Store, Campbellsville	....	11.90	13.02	32.4	33.3
8572 Gibson Farm & Home Service, Barbourville	....	11.80	13.12	32.4	33.3
8573 Ruark Truck Lines, Morganfield	....	12.00	13.14	32.4	33.5
8651 Fiechter Hdw. Co., London	....	11.80	12.80	32.4	33.0
60 % Muriate of Potash					
8769 Jewell & Hayden, Bardstown	....	....	61.16	54.0	55.0
50 % Sulfate of Potash					
7805 Duncan & Hughes Co., LaGrange	....	....	49.76	55.0	54.7
THE DAVISON CHEMICAL CORPORATION Nashville, Tennessee					
6-8-6 (Muriate) Davco Red Diamond					
8682 W. I. Smith, Sebree	<u>5.15</u>	9.08	7.12	35.6	36.3
8683 Smith & Reynolds, Slaughters	<u>5.72</u>	8.70	6.45	35.6	36.3
4-12-8 (Muriate) Davco Red Diamond					
7904 Douthitt & Spillman, Wingo	4.26	12.20	8.60	38.4	39.8
7905 Graves County Soil Asso., Mayfield	4.29	12.60	8.33	38.4	40.0
7906 R. M. Miller Seed & Popcorn Co., Murray	4.20	12.60	8.08	38.4	39.6
8438 R. M. Miller Seed & Popcorn Co., Murray	4.00	12.50	8.13	38.4	39.1
8371 Brown Supply Co., Vine Grove	<u>2.92</u>	12.10	<u>7.58</u>	38.4	<u>35.9</u>
8439 L. F. Thurmond, Murray	4.24	<u>11.50</u>	8.47	38.4	38.8
8505 Allen County Farmers Service, Scottsville	<u>3.60</u>	12.30	8.04	38.4	38.0
8574 Graves County Soil Asso., Mayfield	4.04	12.60	8.15	38.4	39.4

REGULATORY BULLETIN NO. 96

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)					
4-12-8 (Sulfate) Davco Red Diamond 8575 Butterworth Seed Co., Mayfield	3.96	12.10	<u>7.35</u> ¹	38.4	37.8
4-12-4 (Muriate) Davco Red Diamond 7806 F. M. Snodgrass, Morgantown	4.24	11.85	4.52	34.4	35.2
3-12-12 (Muriate) Davco Red Diamond 8186 Farmers Cooperative, Madisonville	3.19	12.90	12.62	40.4	42.5
8261 T. W. Moore & Son, Clinton	2.97	12.40	12.52	40.4	41.3
8440 Southern States Co-op., Franklin	3.02	11.83	11.92	40.4	40.2
8441 Land-O'Nan Warehouse, Sturgis	3.06	<u>11.73</u>	<u>11.72</u>	40.4	39.9
8442 Farmers Cooperative, Madisonville	3.01	12.10	12.11	40.4	40.7
3-9-6 (Muriate) Davco Red Diamond 8684 Henry Durham, Greensburg	3.01	9.50	6.39	30.8	31.8
2-12-6 (Muriate) Davco Red Diamond 8090 Bishop, Patterson & Gray Bros., Glasgow	2.25	<u>11.30</u>	6.57	32.4	32.6
8091 Brown Seed Cleaning Co., Bowling Green	2.29	12.30	6.60	32.4	33.9
8092 Farmers Hay & Seed Co., Smiths Grove	2.16	<u>11.65</u>	6.30	32.4	32.6
8296 Thomas Warren, Guthrie	2.30	<u>11.30</u>	6.05	32.4	32.2
8297 Buckhorn Coal Co., Campbellsville	2.20	<u>11.60</u>	6.33	32.4	32.7
8298 Metcali County Farmers Supply, Edmonton	2.13	11.85	6.57	32.4	33.1
8314 E. S. Ferrill Hdw. Co., Buffalo	2.20	11.75	6.56	32.4	33.1
8443 Fulkerson Brothers, Sonora	2.26	12.00	6.58	32.4	33.5
8444 Farmers Cooperative, Madisonville	2.14	12.00	6.71	32.4	33.4
8506 Meador Grocery, Summer Shade	2.44	<u>11.65</u>	6.40	32.4	33.3
8507 Bishop, Patterson & Gray Bros., Glasgow	2.11	12.00	6.48	32.4	33.1
8576 Cayce-Yost Co., Hopkinsville	1.95	12.00	6.42	32.4	32.7
0-20-20 (Muriate) 8445 Land-O'Nan Warehouse, Sturgis	....	20.18	<u>19.56</u>	50.0	49.8
0-14-7 (Muriate) Davco Red Diamond 7807 Brown Supply Co., Vine Grove	....	<u>13.00</u>	7.25	29.8	28.9
8187 U. L. Rogers, Columbia	....	14.10	7.17	29.8	30.1
8315 W. P. Thomason Gen. Store, Clarkson	....	<u>13.50</u>	7.62	29.8	29.8
8446 Leonard Wells, Brownsville	....	<u>13.70</u>	7.31	29.8	29.8

1. Excess muriate equivalent to 1.00 percent potash

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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 Red Diamond (Cont'd)					
8508 Herry Durham, Greensburg	<u>13.52</u>	7.76	29.8	30.0
8577 Cayce-Yost Co., Hopkinsville	<u>13.18</u>	7.12	29.8	28.9
8685 Buckhorn Coal Co., Campbellsville	<u>14.20</u>	7.84	29.8	30.9
8711 Hartford Hardware & Supply Co., Hartford	<u>12.45</u>	9.78	29.8	30.7
8743 Thomas Warren, Guthrie	<u>14.03</u>	7.90	29.8	30.7
8771 C. W. Canns Feed Store, Clarkson	<u>13.90</u>	7.69	29.8	30.4
0-12-12 (Muriate) Davco Red Diamond					
7808 Crafton Brothers Feed Store, Henderson	<u>11.85</u>	12.96	32.4	33.2
7907 Smith & Reynolds Co., Slaughters	<u>12.10</u>	12.13	32.4	32.7
8188 Farmers Cooperative, Madisonville	<u>12.30</u>	12.38	32.4	33.1
8262 T. W. Moore & Son, Clinton	<u>11.85</u>	12.18	32.4	32.4
8299 I. K. Miller & Son, Campbellsville	<u>11.58</u>	12.06	32.4	32.0
8343 Guenther Hdw. Co., Owensboro	<u>11.57</u>	13.14	32.4	33.0
8447 Crafton Brothers, Henderson	<u>11.80</u>	12.91	32.4	33.1
8509 J. B. Hatcher Co., Park City	<u>11.60</u>	12.35	32.4	32.3
8510 I. K. Miller & Son, Campbellsville	<u>11.75</u>	12.80	32.4	32.9
0-12-12 (Muriate) with 80 lbs. borax per ton					
8189 Farmers Cooperative, Madisonville (12)	<u>11.48</u>	16.42	32.4	36.2
20 % Superphosphate, Davco Granulated					
7996 E. L. Creech, London	<u>21.60</u>	....	26.0	28.1
8263 T. W. Moore and Son, Clinton	<u>20.70</u>	....	26.0	26.9
8264 Fiechter Hdw. Co., London	<u>20.00</u>	....	26.0	26.0
8300 Buckhorn Coal Co., Campbellsville	<u>20.10</u>	....	26.0	26.1
8344 Guenther Hdw. Co., Owensboro	<u>20.10</u>	....	26.0	26.1
8372 Brown Supply Co., Vine Grove	<u>20.70</u>	....	26.0	26.9
8448 Crafton Brothers, Henderson	<u>20.50</u>	....	26.0	26.7
8449 Farmers Supply Co., Upton	<u>20.40</u>	....	26.0	26.5
8450 J. W. Edwards, Woodburn	<u>19.90</u>	....	26.0	25.9
8511 I. K. Miller & Son, Campbellsville	<u>21.00</u>	....	26.0	27.3
8770 C. W. Canns Feed Store, Clarkson	<u>20.15</u>	....	26.0	26.2
33.50 % Ammonium Nitrate					
8686 Smith & Reynolds, Slaughters	33.52	....	....	67.0	67.0
60 % Muriate of Potash					
7809 Farmers Cooperative, Madisonville	60.00	54.0	54.0
8345 Guenther Hdw. Co., Owensboro	60.28	54.0	54.3
8451 Crafton Brothers, Henderson	<u>58.96</u>	54.0	53.1
8452 Southern States Co-op., Franklin	<u>58.76</u>	54.0	<u>52.9</u>

(12) Boron guaranteed 0.45 percent - found .037 percent (only)

REGULATORY BULLETIN NO. 96

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)					
60 % Muriate of Potash (Cont'd)					
8512 Stewart and Co., Munfordville	....	....	<u>57.92</u>	54.0	<u>52.1</u>
50 % Sulfate of Potash					
8190 Farmers Cooperative, Madisonville	....	....	36.88	55.0	<u>40.6</u>
THE DAVISON CHEMICAL CORPORATION, Columbus, Ohio					
5-10-10 (Muriate) Davco "Quality" Brand					
7810 Elwood Logan, Greenup	<u>4.58</u>	10.20	10.69	40.0	40.1
4-12-8 (Muriate 4, Sulfate 4) Welch "Higrade"					
8224 Elwood Logan, Greenup	4.15	12.00	8.54	38.4	39.2
3-12-12 (Muriate)					
7811 J. L. O'Bryan, Greenup	3.08	12.30	11.80	40.4	40.7
2-12-6 (Muriate) Welch "Higrade"					
8225 Elwood Logan, Greenup	2.18	<u>11.23</u>	6.78	32.4	32.6
0-12-12 (Muriate)					
8759 Franklin Wholesale Co., Ashland	....	<u>11.23</u>	12.54	32.4	32.0
ELLIS CHEMICAL COMPANY, New Albany, Indiana					
4-12-8 (Sulfate)					
7812 Southern States Co-op., Flemingsburg	3.96	12.30	8.10 ^m	38.4	38.8
8093 Farmers Supply Co., Paintsville	4.69	<u>11.05</u>	8.63 ⁿ	38.4	39.3
3-12-12 (Muriate)					
7813 Southern States Co-op., Flemingsburg	3.06	<u>11.60</u>	12.29	40.4	40.3
8094 Farmers Supply Co., Paintsville	3.16	<u>11.60</u>	12.32	40.4	40.6
FEDERAL CHEMICAL COMPANY, Louisville, Kentucky					
0-12-12 (Muriate)					
7814 Basil M. Brooks, Madisonville	5.96	12.20	11.99	46.4	46.6
8346 Campbell Mill, Kevil	5.96	12.70	11.90	46.4	47.1

m. Excess muriate equivalent to 0.42 percent potash

n. Excess muriate equivalent to 0.79 percent potash

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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 (Muriate)					
7997 Jeff Rowland, London	5.97	8.40	6.55	35.6	36.6
7908 Julius & Carl Fister, Lexington	5.95	8.20	5.96	35.6	35.7
8191 Henderson Farmers Supply Co., Henderson	6.16	8.20	6.37	35.6	36.5
8578 Clinton Hatchery, Clinton	<u>5.66</u>	8.60	6.54	35.6	36.2
8687 Farley Farm Supply, Catlettsburg	<u>5.77</u>	8.30	6.42	35.6	35.9
8712 Henderson Farmers Supply, Henderson	<u>5.67</u>	8.40	6.39	35.6	35.8
6-8-6 (Sulfate)					
7815 Douglas Estill, Frankfort	5.98	8.20	6.95	35.6	36.8
7909 Hadden Farm & Home Service, Elkton	5.95	8.40	5.98	35.6	36.0
7998 Fiechter Hdw. Co., London	5.87	8.20	5.99	35.6	35.6
8688 Carl J. Hagman, Cloverport	<u>5.67</u>	8.60	6.61	35.6	36.3
8744 Carter Supply Co., Forks of Elkhorn	<u>5.55</u>	8.60	7.04 ^o	35.6	36.5
5-10-15 (Sulfate)					
8725 A. C. Bogie, Winchester	5.12	10.05	15.69	45.0	46.0
4-12-8 (Muriate)					
7816 Morris Bros., Hazel Green	3.97	11.80	9.11	38.4	39.2
7910 Dairyman's Feed & Supply Co., Mayfield	4.03	12.10	7.99	38.4	38.6
7911 J. B. Atkinson, Hopkinsville	4.17	12.00	8.04	38.4	38.8
8347 Campbell Mill, Kevil	4.03	12.20	8.52	38.4	39.2
8453 W. D. Shoemaker Seed Co., Murray	4.04	12.00	8.24	38.4	38.7
8454 Ellis Popcorn Co., Murray	4.07	12.05	8.33	38.4	38.9
4-12-8 (Sulfate)					
7999 Jeff Rowland, London	4.41	11.80	8.41	38.4	39.4
8192 Southern States Co-op., Lebanon	4.12	12.20	8.17	38.4	39.1
3-12-12 (Muriate)					
8139 Campbell Mill, Kevil	3.02	12.70	11.99	40.4	41.3
8140 Clinton Hatchery, Clinton	3.27	12.30	11.90	40.4	41.2
8193 Basil M. Brooks, Madisonville	3.08	12.40	12.54	40.4	39.6
8348 Campbell Mill, Kevil	3.13	12.02	12.52	40.4	41.2
8455 Basil M. Brooks, Madisonville	2.95	11.88	12.48	40.4	40.6
8579 Hall Seed Co., Louisville	<u>2.62</u>	<u>11.45</u>	12.77	40.4	39.8
8580 Clinton Hatchery, Clinton	<u>3.16</u>	<u>12.03</u>	12.88	40.4	41.6

^o. Excess muriate equivalent to 0.70 percent potash

REGULATORY BULLETIN NO. 96

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 CO., (Cont'd)					
3-12-12 (Sulfate)					
7817 H. F. Asbury, Lexington	3.34	11.90	12.01	40.4	41.0
7912 Julius & Carl Fister, Lexington	3.57	12.00	<u>10.73</u>	40.4	40.3
3-9-6 (Muriate)					
7818 H. F. Asbury, Lexington	3.09	9.40	6.77	30.8	32.2
7819 I. L. Hancock, Middletown	3.32	9.03	6.42	30.8	31.9
7820 Husa Butler, Dyer	3.36	8.90	6.27	30.8	31.7
8581 Corbin Farm Supply, Providence	3.07	8.80	7.81	30.8	32.5
8652 Cletus Moss, Bardwell	2.96	9.20	6.36	30.8	31.2
8689 Carl J. Hagman, Cloverport	<u>2.51</u>	9.28	6.42	30.8	30.6
8690 Youngblood Brothers, Mayfield	3.11	9.20	6.21	30.8	31.5
8726 A. C. Bogie, Winchester	2.89	9.90	7.01	30.8	32.7
2-12-6 (Muriate)					
7821 Houchens Grocery, Glasgow	1.97	12.00	6.10	32.4	32.4
7822 C. D. Powell & Son, Cecilia	2.50	11.80	6.34	32.4	33.5
8095 J. W. Edwards & Son, Woodburn	2.12	12.20	6.04	32.4	32.9
8194 Basil M. Brooks, Madisonville	2.13	12.20	6.39	32.4	33.3
8195 Bowles Mill, Hanson	2.13	12.68	6.27	32.4	33.8
8265 W. S. Allen Co., Liberty	2.22	11.90	6.71	32.4	33.4
8301 Thomas Warren, Guthrie	2.31	<u>11.73</u>	6.41	32.4	33.1
8316 Grayson County Supply Co., Leitchfield	2.28	11.85	6.96	32.4	33.7
8513 Allen & Jenkins, Bowling Green	2.24	12.00	6.88	32.4	33.8
8582 Corbin Farm Supply, Providence	2.17	<u>11.68</u>	6.24	32.4	32.6
8653 Lynn Flood Feed Store, Finchville	2.27	<u>11.50</u>	6.63	32.4	33.0
8745 Ellis Boley, Elkton	2.35	<u>11.65</u>	6.01	32.4	32.7
0-12-12 (Muriate)					
7823 Bertram & Chapman, Greenup	....	11.75	<u>11.57</u>	32.4	31.7
7824 Basil M. Brooks, Madisonville	....	<u>11.45</u>	12.18	32.4	31.9
8000 Jeff Rowland, London	....	<u>11.63</u>	12.22	32.4	32.2
8196 Basil M. Brooks, Madisonville	....	12.30	11.91	32.4	32.7
8197 Black Brothers, Greenmount	....	12.00	12.57	32.4	33.0
8226 Ellis Popcorn Co., Murray	....	12.20	12.59	32.4	33.2
8266 Hall Seed Co., Louisville	....	<u>11.38</u>	11.91	32.4	31.6
8267 Carl Bryant, Whitley City	....	12.00	12.41	32.4	32.8
8514 Farmers Exchange, Burkesville	....	<u>11.20</u>	12.62	32.4	32.1
8626 M. C. Roberts Coal & Feed Co., Irvine	....	11.80	12.03	32.4	32.2
16 % Nitrate of Soda					
8713 Henderson Farmers Supply, Henderson	16.04	....	....	48.0	48.1

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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 CO., (Cont'd)					
33.50 % Ammonium Nitrate					
7914 The Planters Hdw. Co., Hopkinsville	33.36	....	....	67.0	66.7
8302 Allensville Grain Co., Allensville	33.44	....	....	67.0	66.9
8456 Basil M. Brooks, Madisonville	33.40	....	....	67.0	66.8
8746 Carter Supply Co., Forks of Elkhorn	33.64	....	....	67.0	67.3
20.50 % Sulfate of Ammonia					
8583 Clarence LeBus, Lexington	<u>20.10</u>	....	....	41.0	40.2
50 % Muriate of Potash					
8654 Cletus Moss, Barbourville	....	....	<u>49.16</u>	45.0	44.2
8691 Youngblood Brothers, Mayfield	....	....	<u>49.20</u>	45.0	44.3
50 % Sulfate of Potash					
7913 Dairyman's Feed & Supply, Mayfield	....	....	51.04	55.0	56.1
HUTSON CHEMICAL COMPANY, Murray, Ky.					
4-12-8 (Muriate)					
7915 W. D. Shoemaker Seed Co., Murray	3.99	12.20	8.07	38.4	38.7
8227 W. D. Shoemaker Seed Co., Murray	3.98	<u>11.63</u>	7.90	38.4	37.8
8228 T. W. Moore & Son, Clinton	4.20	<u>11.15</u>	8.57	38.4	38.4
8457 Manufacturer's warehouse	4.08	<u>11.93</u>	7.76	38.4	38.2
8584 Farmers Supply Co., Elva	4.09	11.90	8.58	38.4	39.0
8692 Water Valley Milling Co., Water Valley	4.02	12.30	9.21	38.4	40.0
3-9-18 (Muriate)					
8229 T. W. Moore & Son, Clinton	2.98	9.35	18.98	42.8	44.2
3-9-6 (Muriate)					
8230 Water Valley Milling Co., Water Valley	3.15	9.30	6.44	30.8	31.9
50 % Sulfate of Potash					
8231 W. D. Shoemaker, Murray	....	....	50.36	55.0	55.4
INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Cincinnati, Ohio					
10-10-10 (Muriate)					
8141 Boyd Anderson, Ezel	<u>9.32</u>	11.70	11.16	50.0	51.8
4-12-12 (Muriate 3, Sulfate 9)					
7825 Lawson Hdw. Co., Greenup	<u>5.22</u>	12.00	12.40P	46.4	<u>45.2</u>
d. Excess muriate equivalent to 0.26 percent potash					

REGULATORY BULLETIN NO. 96

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 CORPORATION , (Cont'd)					
6-12-12 (Muriate 3, Sulfate 9) (Cont'd)					
8142 Boyd Anderson, Ezel	<u>5.23</u>	12.40	11.93 ^q	46.4	45.3
8198 Cundiff & Squires, Cane Valley	<u>5.98</u>	12.50	12.54	46.4	47.5
6-8-16 (Sulfate)					
7826 Rainbow Coal Co., Versailles	5.84	8.40	16.92	45.6	46.7
7916 George G. Coy, Kirksville	<u>5.59</u>	8.70	16.66	45.6	46.3
8143 Boyd Anderson, Ezel	<u>5.64</u>	8.20	17.44	45.6	46.6
6-8-6 (Muriate)					
8001 Curtis E. George, Princeton	6.23	8.40	6.26	35.6	36.8
6-8-6 (Sulfate)					
8002 Curtis E. George, Princeton	6.13	8.60	6.30	35.6	36.9
8096 Cooper Brothers Seed Store, Elizabethtown	<u>5.65</u>	9.20	7.66*	35.6	38.0
4-12-8 (Muriate)					
8003 Farmers Feed & Supply Co., London	4.12	11.60	8.55	38.4	38.7
7917 Ruark Truck Lines, Morganfield	<u>3.23</u>	12.00	12.48	38.4	41.3
4-12-8 (Sulfate)					
7918 Baker & Hulley, Alexandria	3.92	12.00	8.57	38.4	38.8
8004 Curtis E. George, Princeton	4.37	12.20	8.16	38.4	39.5
8005 Farmers Feed & Supply Co., London	3.51	12.40	8.98 ^r	38.4	38.9
8006 John Underwood & Son, Nicholasville	<u>3.97</u>	12.00	8.88 ^s	38.4	39.2
8097 Cooper Bros. Feed Store, Elizabethtown	4.48	12.00	8.67	38.4	40.0
8098 J. R. Prather, Mayslick	4.04	12.50	8.32	38.4	39.4
8144 Roy Burris, Zula	4.04	12.20	8.26 ^t	38.4	39.0
3-12-12 (Muriate)					
7919 Stull Brothers, Sebree	3.22	12.00	<u>11.64</u>	40.4	40.5
7920 Baker & Hulley, Alexandria	3.06	12.40	12.57	40.4	41.6
8007 Steve Rose Market, Campton	2.85	12.40	12.89	40.4	41.5
8145 Hovious & Shearer, Hustonville	2.94	12.70	11.92	40.4	41.0
8373 Boone Feed Store, Stanford	<u>2.57</u>	12.60	<u>11.70</u>	40.4	40.0
8585 Ruark Truck Lines, Morganfield	3.21	12.20	12.01	40.4	41.1
8627 Claude Beck Service Station, Jamestown	2.89	12.50	12.42	40.4	41.2
8628 Manufacturer's warehouse	3.01	12.00	13.06	40.4	41.5

q. Excess Muriate equivalent to 1.32 percent potash

* Excess muriate equivalent to 1.56 percent potash

r. Excess muriate equivalent to 0.88 percent potash

s. Excess muriate equivalent to 0.33 percent potash

t. Excess muriate equivalent to 0.82 percent potash

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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)					
2-12-6 (Muriate)					
7921 Frank Hopwood, Clay	2.32	11.90	6.36	32.4	33.3
7922 Baker & Hulley, Alexandria	2.04	12.20	6.66	32.4	33.4
8008 Sutton Supermarket, Williamsburg	2.13	12.10	6.44	32.4	33.2
8268 G. M. Sandidge & Son, Eubank	2.22	12.60	6.61	32.4	34.2
8515 Ralph Hovious, Hustonville	2.09	12.40	6.31	32.4	33.4
8516 Sweet Feed Mills, Bowling Green	2.27	12.30	6.19	32.4	33.5
8517 A. T. Hayes and Son, Glendale	1.96	12.30	6.95	32.4	33.6
8586 M. G. Williams Implement Co., Hopkinsville	2.17	12.20	6.27	32.4	33.3
8587 Cass & Cash, Brodhead	2.01	12.20	6.55	32.4	33.2
8629 W. S. Allen Company, Liberty	2.02	12.30	6.79	32.4	33.6
0-20-20 (Muriate)					
8317 Harlan Fruit Co., Harlan	....	<u>19.70</u>	21.38	50.0	51.0
8349 D. M. Murphy, Ezel	....	19.92	20.64	50.0	50.5
0-14-7 (Muriate)					
7923 Farm Home Store, Irvine	....	<u>13.50</u>	8.46	29.8	30.7
8009 W. S. Allen, Liberty	....	14.20	7.78	29.8	30.8
8010 Harlan Fruit Co., Harlan	....	14.10	7.16	29.8	30.1
8146 Claude Beck Service Station, Jamestown	....	14.20	8.02	29.8	31.1
8318 Harlan Fruit Co., Harlan	....	14.10	8.05	29.8	31.0
8374 Caneyville Roller Mills, Caneyville	....	13.90	6.94	29.8	29.6
8458 Baker & Hulley, Alexandria	....	13.88	7.23	29.8	29.9
8655 Harlan Fruit Co., Harlan	....	14.30	7.22	29.8	30.4
0-12-12 (Muriate)					
8518 Ralph Hovious, Hustonville	....	11.90	12.96	32.4	33.2
8519 Sweet Feed Mills, Bowling Green	....	<u>11.40</u>	11.82	32.4	31.5
8520 Woodson Lewis, Greensburg	....	12.80	<u>9.54</u>	32.4	<u>30.9</u>
8588 M. G. Williams Impl., Co., Hopkinsville	....	12.10	12.21	32.4	32.7
20 % Superphosphate					
8099 Cooper Bros. Feed Store, Elizabethtown	....	19.98	....	26.0	26.0
8269 Willoughby Supply Co., Richmond	....	19.60	....	26.0	25.5
8319 Cooper Brothers, Elizabethtown	....	19.95	....	26.0	25.9
8375 Allen Coal Service, Brandenburg	....	19.90	....	26.0	25.9
8459 John A. Sheehan, Falmouth	....	19.88	....	26.0	25.8
8589 M. G. Williams Impl. Co., Hopkinsville	....	<u>19.40</u>	....	26.0	25.1
8760 Ralph Hovious, Hustonville	....	<u>20.00</u>	....	26.0	26.0

REGULATORY BULLETIN NO. 96

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 & CHEM CORP., (Cont'd)					
18 % Superphosphate					
8521 Sweet Feed Mills, Bowling Green	....	19.80	....	23.4	25.7
16 % Nitrate of Soda					
8011 W. S. Allen, Liberty	15.80	....	....	48.0	47.4
33.50 % Ammonium Nitrate					
7827 Lawson Hdw. Co., Greenup	33.52	....	....	67.0	67.0
50 % Muriate of Potash					
8147 Boyd Anderson, Ezel	....	....	50.16	45.0	45.1
8460 Crafton Bros., Henderson	....	....	52.36	45.0	47.1
8747 Woodford Feed Co., Versailles	....	....	53.08	45.0	47.8
48 % Sulfate of Potash					
8148 Boyd Anderson, Ezel	....	....	51.64	52.8	56.8
INTERSTATE FERTILIZER COMPANY, Cairo, Illinois					
6-8-6 (Muriate)					
7924 Mayfield Sweet Feed Mill, Mayfield	5.82	8.20	6.21	35.6	35.7
8149 Bardwell Sweet Feed Mill, Bardwell	6.25	<u>7.50</u>	6.40	35.6	35.9
5-10-10 (Sulfate)					
8150 Ballard County Co-op., LaCenter	5.01	9.95	10.22	40.0	40.2
4-12-8 (Muriate)					
8151 Bardwell Sweet Feed Mill, Bardwell	3.85	12.00	8.57	38.4	38.7
8232 Mayfield Sweet Feed Mill, Mayfield	4.06	<u>11.50</u>	8.12	38.4	38.1
8590 Marshall County Soil Imp. Asso., Benton	3.80	11.90	9.22	38.4	39.1
8727 Calloway County Soil Imp. Asso., Murray	3.98	11.93	8.08	38.4	38.4
3-12-12 (Muriate)					
8350 Ballard County Co-op., LaCenter	3.04	12.00	12.40	40.4	40.9
8591 Marshall County Soil Imp. Asso., Benton	3.05	12.08	13.03	40.4	41.6
3-9-6 (Muriate)					
8656 Southern States Co-op., Marion	2.88	8.90	6.24	30.8	30.7
0-20-20 (Muriate)					
8351 Ballard County Co-op., LaCenter	....	<u>18.85</u>	<u>19.42</u>	50.0	<u>48.0</u>

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty ation No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
INTERSTATE FERTILIZER COMPANY, (Cont'd)					
60 % Muriate of Potash					
8152 Ballard County Co-op., LaCenter	....	....	<u>57.76</u>	54.0	<u>52.0</u>
KENTUCKY FERTILIZER WORKS, Winchester, Kentucky					
6-12-12 (Muriate) "P. P. F."					
8752 Estes Brothers, Winchester	5.85	12.00	12.15	46.4	46.3
6-8-6 (Muriate) "P. P. F."					
8153 T. E. Alexander, Ravenna	<u>5.71</u>	8.80	5.90	35.6	35.9
6-8-6 (Sulfate) "P. P. F."					
7925 E. C. Tussey, Richmond	5.96	8.50	6.26	35.6	36.4
8012 Home Grocery, Jackson	6.18	8.30	6.07	35.6	36.4
8233 Roy Agee, Frenchburg	<u>5.62</u>	8.50	6.88	35.6	36.3
5-10-5 (Sulfate) "P. P. F."					
7926 Robinson & Turley, Richmond	4.75	10.30	4.95	35.0	34.8
4-12-12 (Sulfate) "P. P. F."					
7927 Robinson and Turley, Richmond	4.03	11.80	12.34	42.4	42.6
4-12-8 (Muriate) "P. P. F."					
8234 Manufacturer's warehouse	4.15	11.80	7.95	38.4	38.4
8592 Farmers Supply Co., Danville	4.31	12.00	<u>7.72</u>	38.4	38.7
4-12-8 (Sulfate) "P. P. F."					
7928 Robinson & Turley, Richmond	3.98	12.30	7.84	38.4	38.6
4-6-15 (Muriate) "P. P. F."					
8630 Estes Brothers, Winchester	3.99	6.10	13.65	38.2	<u>37.0</u>
4-6-15 (Sulfate) "P. P. F."					
7929 E. C. Tussey, Richmond	3.79	6.00	15.49	38.2	38.3
7930 Robinson & Turley, Richmond	3.86	7.10	<u>14.58</u>	38.2	38.8
3-9-6 (Muriate) "P. P. F."					
7931 E. C. Tussey, Richmond	3.15	<u>8.38</u>	5.98	30.8	30.3
8631 Estes Brothers, Winchester	3.14	<u>9.60</u>	5.99	30.8	31.8
0-12-12 (Muriate) "P. P. F."					
8100 Franklin Wholesale Feed & Seed Co., Ashland	....	<u>11.65</u>	12.08	32.4	32.1
8632 Estes Brothers, Winchester	....	<u>12.30</u>	11.80	32.4	32.6

REGULATORY BULLETIN NO. 96

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)					
0-12-12 (Sulfate) "P. P. F."					
8235 Manufacturer's warehouse	....	12.00	12.18	32.4	32.6
20 % Superphosphate "P. P. F."					
8013 Farmers Supply Co., Danville	....	20.90	....	26.0	27.2
7932 Robinson and Turley, Richmond	....	20.50	....	26.0	26.7
8657 Robinson & Turley, Richmond	....	20.10	....	26.0	26.1
8761 Farmers Supply Co., Danville	....	<u>19.70</u>	....	26.0	25.6
33.50 % Ammonium Nitrate "P. P. F."					
8014 The May Grocery Co., West Liberty	33.68	....	....	67.0	67.4
20.50 % Sulfate of Ammonia "P. P. F."					
8236 Manufacturer's warehouse	20.64	....	....	41.0	41.3
60 % Muriate of Potash "P. P. F."					
8015 Steve Rose Market, Campton	....	....	60.52	54.0	54.5
8753 Estes Brothers, Winchester	....	....	60.16	54.0	54.1
50 % Sulfate of Potash "P. P. F."					
8016 Steve Rose Market, Campton	....	....	49.88	55.0	54.9
21 % Sulfate of Potash Magnesia					
7933 Robinson & Turley, Richmond	....	....	22.22	42.0	44.4
KNOXVILLE FERTILIZER COMPANY, Knoxville & Nashville, Tenn., London, Ky.					
6-8-6 (Muriate) Pulverized					
8017 Princeton Mills, Princeton	6.01	9.00	6.02	35.6	36.8
8154 Farmers Feed & Supply Co., Arlington	6.09	9.20	6.16	35.6	37.4
8522 Curtis & McComas, Burkesville	<u>4.91</u>	9.13	5.88	35.6	34.7
6-8-6 (Sulfate) Pulverized					
7828 Peoples Feed Mill, Cave City	<u>5.73</u>	9.20	5.96	35.6	36.5
7934 Grayson County Supply Co., Leitchfield	5.97	8.90	6.39	35.6	37.0
8018 Madison Farmers Supply, Richmond	<u>5.64</u>	8.70	5.85	35.6	35.6
8019 Kennedy Supply Co., Liberty	5.88	8.70	6.48	35.6	36.7
8101 Brock Brothers Grain Co., Maysville	<u>5.56</u>	9.40	6.19	35.6	36.6
8155 Farmers Feed & Supply Co., Arlington	<u>5.54</u>	8.40	6.83 ^u	35.6	36.0

u. Excess muriate equivalent to 1.47 percent potash

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty ation 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					
8461 Princeton Mills, Princeton	3.58	8.38	11.18	38.4	36.4
4-12-8 (Sulfate) Pulverized					
8237 Sherman Bengé, London	4.14	12.00	8.70	38.4	39.4
4-12-4 (Muriate) Pulverized					
8020 Franklin County Hatchery, Frankfort	4.00	10.65	4.37	34.4	33.2
7829 McCauley Brothers Seed Co., Versailles	4.04	10.58	4.17	34.4	33.0
8102 Bray & Co., Gamaliel	3.95	12.40	4.53	34.4	35.3
4-8-12 (Sulfate) Pulverized					
7830 McCauley Bros. Seed Co., Versailles	4.24	8.30	12.49	37.6	38.9
8103 Stanton Farmers Supply, Stanton	4.32	8.50	13.06	37.6	39.9
8156 McCauley Bros. Seed Co., Versailles	4.01	8.60	11.90	37.6	38.2
3-9-6 (Muriate) Pulverized					
8021 Mt. Vernon Produce Co., Mt. Vernon	3.08	9.80	6.36	30.8	32.3
8022 Bullock & Bullock, Mt. Vernon	3.13	11.00	5.35	30.8	32.8
8023 Franklin County Hatchery, Frankfort	2.99	9.60	6.42	30.8	31.9
7831 Farmers Feed Market, Bowling Green	3.05	9.00	5.96	30.8	30.9
7832 Allen County Mills, Scottsville	3.01	9.40	5.90	30.8	31.2
7935 Hal Young & Sons, Hawesville	3.73	9.60	6.73	30.8	33.7
8104 W. J. Hulette, Frankfort	3.28	9.80	6.67	30.8	33.0
8105 Farmers Feed Market, Bowling Green	3.22	9.60	6.24	30.8	32.2
8523 Farmers Feed Market, Bowling Green	2.82	10.13	5.88	30.8	31.7
8658 Creech & Son, South Corbin	3.07	9.40	6.89	30.8	32.3
3-9-6 (Muriate 3, Sulfate 3)					
7833 Ellis Brothers, Glasgow	3.40	8.80	5.83	30.8	31.2
7936 Grayson County Supply Co., Leitchfield	3.47	10.00	6.36	30.8	33.3
8024 Princeton Mills, Princeton	3.31	9.20	6.03	30.8	31.7
8025 Mt. Vernon Produce Co., Mt. Vernon	2.97	9.00	6.01	30.8	30.8
8106 W. J. Hulette, Frankfort	3.09	9.40	6.85	30.8	32.3
8199 Amon Jackson, Tyner	3.15	9.40	6.73	30.8	32.3
2-12-12 (Muriate) Pulverized					
8376 McCauley Bros. Seed Co., Versailles	2.14	11.90	12.77	38.4	39.3
8377 Saufley & Bell, Stanford	2.21	12.20	12.03	38.4	39.1
2-12-6 (Muriate)					
7937 Hal Young & Sons, Hawesville	2.49	12.10	7.32	32.4	34.8

REGULATORY BULLETIN NO. 96

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) (Cont'd)					
8026 Bullock & Bullock, Mt. Vernon	2.12	12.50	6.57	32.4	33.8
8303 City Supply Co., Columbia	2.13	11.55	6.55	32.4	32.7
8320 Sherman Bengé, London	2.13	12.30	6.13	32.4	33.2
8321 Grayson County Supply Co., Leitchfield	2.25	11.65	6.56	32.4	33.0
8378 Caneyville Roller Mills, Caneyville	2.20	11.40	6.47	32.4	32.6
8462 Harris Feed Co., Franklin	1.98	12.90	5.46	32.4	32.9
8634 Roscoe Morris, Somerset	2.18	12.00	6.86	32.4	33.6
8659 Harrison Bros. Farm Supply, Berea	2.10	12.70	6.77	32.4	34.2
8693 Wyndall Farm Store, Owensboro	2.34	12.90	6.40	32.4	34.6
8694 W. C. Turner, Greensburg	2.19	12.20	6.96	32.4	34.0
8762 Jack Shirley Hdw. Co., Edmonton	2.05	12.50	6.08	32.4	33.2
0-14-7 (Muriate)					
8157 Baughman Milling Co., Stanford	....	14.60	7.24	29.8	30.8
0-12-12 (Muriate) Pulverized					
8027 Madison Farmers Supply, Richmond	....	12.30	12.46	32.4	33.2
8270 John J. Carter, Waynesburg	....	10.90	11.88	32.4	31.0
8304 Jack Shirley Hdw. Co., Edmonton	....	11.53	12.34	32.4	32.2
8322 Grayson County Supply Co., Leitchfield	....	11.60	12.61	32.4	32.5
8323 Kidd Brothers, East Bernstadt	....	12.08	12.80	32.4	33.3
8352 Wyndall's Farm Store, Owensboro	....	10.75	13.05	32.4	32.0
8379 Sanders Supply, Lancaster	....	12.10	12.54	32.4	33.1
8463 Harris Feed Co., Franklin	....	11.88	12.40	32.4	32.7
8464 Princeton Mills, Princeton	....	12.00	12.24	32.4	32.6
47 % Superphosphate					
8271 Hobart & Milton Roberts, Monticello	....	45.30	....	61.1	58.9
8714 Clay County Farm Service, Manchester	....	45.75	....	61.1	59.5
33 % Ammonium Nitrate					
8695 Wyndall's Farm Store, Owensboro	33.64	....	....	66.0	67.3
20 % Calcium Ammonium Nitrate					
8200 Manufacturer's warehouse	20.16	....	....	40.0	40.3
48 % Sulfate of Potash					
8158 Cooper Seed & Feed Co., Bandana	....	....	50.64	52.8	55.7
LION OIL COMPANY, El Dorado, Arkansas					
33.50 % Ammonium Nitrate					
8305 N. T. Nuckols, Elkton	33.24	....	....	67.0	66.5

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
MATHIESON CHEMICAL COMPANY, Baltimore, Maryland					
20 % Superphosphate					
8754 Estes Brothers, Winchester	....	20.30	....	26.0	26.4
MIDWESTERN PHOSPHATE CORPORATION, Madison, Wisconsin					
20 % Superphosphate					
8238 Walker Supply Company, Richmond	....	20.00	....	26.0	26.0
8465 Walker Supply Co., Richmond	....	20.10	....	26.0	26.1
8715 Walker Supply Co., Richmond	....	19.80	....	26.0	25.7
NORTH AMERICAN FERTILIZER COMPANY, Louisville, Kentucky					
6-8-6 (Muriate)					
8107 Clinton Jones, Morehead	<u>5.60</u>	8.10	7.15	35.6	36.1
8108 C. F. Howard & Son, New Haven	<u>5.83</u>	<u>7.38</u>	6.41	35.6	34.9
8272 Bunton Seed Co., Louisville	<u>5.71</u>	<u>8.80</u>	6.40	35.6	36.4
8593 Bunton Seed Co., Louisville	<u>5.63</u>	<u>7.70</u>	6.08	35.6	34.6
6-8-6 (Sulfate)					
8239 Dorsey Bros. & Fisher, Carlisle	5.75	8.30	6.23	35.6	35.7
8772 Carl J. Hagman, Cloverport	6.12	8.10	6.79	35.6	36.8
4-12-8 (Sulfate)					
7834 J. H. Meyers, Ewing	<u>3.52</u>	12.30	8.80	38.4	38.6
8728 Edwards Machine Shop, Bryantsville	<u>3.80</u>	12.20	8.34	38.4	38.6
4-8-12 (Sulfate)					
7938 Loyd Yates & Son, Maud	<u>3.32</u>	8.20	12.32	37.6	36.8
8028 J. T. Freeman & Son, Harrodsburg	<u>4.13</u>	7.80	12.59	37.6	38.2
8109 Allen Hulette, Frankfort	<u>3.72</u>	9.00	<u>11.36</u>	37.6	37.6
8240 Dorsey Bros. & Fisher, Carlisle	<u>3.70</u>	7.80	<u>12.37</u>	37.6	37.1
3-12-12 (Muriate)					
8029 J. E. McGohan & Co., Paintsville	2.75	<u>11.60</u>	12.85	40.4	40.3
8635 W. D. Cunningham, Webbs Cross Roads,	3.26	11.90	<u>11.47</u>	40.4	40.3
8716 Laswell Milling Co., Brodhead	3.22	12.20	<u>12.97</u>	40.4	42.1
3-9-6 (Muriate)					
7939 Snyder's Hdw. Co., Hawesville	3.32	7.83	7.59	30.8	31.6
7940 Mrs. O. H. Pile, Mook	3.00	<u>8.55</u>	6.46	30.8	30.7
8030 Renfro Supply Co., Williamsburg	2.90	<u>8.70</u>	6.42	30.8	30.7
3031 J. E. McGohan & Co., Paintsville	2.86	8.90	6.66	30.8	31.1
8159 Shearin Grocery, Danville	2.97	9.10	6.50	30.8	31.4

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Manufacturer, Brand Name, Guaranty Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Val	
				Guar.	Found
NORTH AMERICAN FERTILIZER CO., (Cont'd)					
2-12-6 (Muriate)					
8032 E. M. Woosley Gen. Mdse., Rosine	1.94	<u>11.50</u>	6.19	32.4	31.9
8110 Farmers Service, Tompkinsville	2.21	<u>11.13</u>	6.98	32.4	32.8
8201 Grigsby & Co., Bardstown	2.20	<u>11.25</u>	6.42	32.4	32.3
8380 Gilbert Carrier, Millwood	2.00	<u>11.53</u>	6.86	32.4	32.7
8594 Bunton Seed Co., Louisville	2.55	<u>11.70</u>	6.95	32.4	34.1
8636 W. D. Cunningham, Webbs Cross Roads	2.20	<u>11.40</u>	6.94	32.4	33.0
8696 Wilson Produce Co., Columbia	2.07	<u>11.60</u>	6.44	32.4	32.5
8773 Carl J. Hagman, Cloverport	2.16	<u>10.80</u>	6.50	32.4	31.8
0-12-12 (Muriate)					
8111 Farmers Service, Tompkinsville	.....	<u>11.00</u>	11.98	32.4	31.2
8202 Boggs Grocery, Greenmount	.....	<u>11.48</u>	12.67	32.4	32.5
8381 Gilbert Carrier, Millwood	.....	<u>10.58</u>	13.63	32.4	32.3
8466 D. A. Bates, Shepherdsville	.....	<u>11.10</u>	<u>11.49</u>	32.4	30.8
8524 Glendale Baptist Orphans Home, Glendale	.....	<u>10.73</u>	13.00	32.4	31.9
20 % Superphosphate					
8697 Carl J. Hagman, Cloverport	.....	20.10	.....	26.0	26.1
60 % Muriate of Potash					
8112 Clinton Jones, Morehead	.....	.....	61.12	54.0	55.0
48 % Sulfate of Potash					
7835 J. H. Myers, Ewing	.....	.....	48.60	52.8	53.5
8203 Frank Ballard, Springfield	.....	.....	48.36	52.8	53.2
PRICE CHEMICAL COMPANY, Louisville, Kentucky					
6-8-6 (Muriate)					
7836 Frank J. Murphy, Valley Station	6.00	8.40	5.90	35.6	36.0
7837 G. H. Nunnelley Co., Georgetown	5.87	8.10	7.08	35.6	36.5
7838 St. Matthews Produce Exchange, St. Matthews	<u>5.67</u>	8.00	7.30	35.6	36.2
7941 Otis Powell, Clay City	<u>6.54</u>	<u>7.45</u>	6.86	35.6	36.9
8273 St. Matthews Produce Exchange, St. Matthews	5.88	8.80	6.01	35.6	36.3
6-8-6 (Sulfate)					
7839 St. Matthews Produce Exchange, St. Matthews	6.12	7.80	7.03	35.6	36.6
7840 Burnette Implement Co., Vine Grove	5.99	8.60	6.58	35.6	36.5

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

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 CO., (Cont'd)					
6-8-6 (Sulfate) (Cont'd)					
7942 Roscoe Meadows, Clay City	5.90	9.50	6.98 ^v	35.6	38.2
7943 Farmers Supply Center, Leitchfield	5.99	8.60	6.36	35.6	36.7
8033 Farmers Exchange, Lancaster	5.79	8.40	7.32	35.6	37.0
8160 Stout Feed Store, Mt. Washington	5.75	8.90	6.83	35.6	37.0
4-12-8 (Sulfate)					
7944 Sam R. Lykins & Son, Stanton	4.28	12.60	11.68	38.4	43.4
8204 R. J. Jones, Tyner	4.43	12.90	11.60	38.4	43.9
4-8-12 (Sulfate)					
7945 Fox Brothers, Winchester	3.91	8.90	<u>11.31</u>	37.6	37.8
8161 Brewer's Grocery, Beattyville	<u>3.11</u>	10.48	<u>11.23</u>	37.6	38.0
8205 Haydon Coal & Oil Co., Springfield	<u>3.93</u>	8.50	<u>9.53^w</u>	37.6	<u>35.6</u>
3-12-12 (Muriate)					
8206 R. J. Jones, Tyner	3.02	13.40	13.21	40.4	43.3
3-9-6 (Muriate)					
7841 C. D. Powell, Cecilia	3.33	<u>8.43</u>	7.45	30.8	32.2
7946 Smathers and Co., Stanton	3.27	<u>9.70</u>	6.13	30.8	32.3
8162 Brewer's Grocery, Beattyville	3.02	9.30	5.99	30.8	31.2
2-12-6 (Muriate)					
7842 W. L. Anderson & Sons, Caneyville	2.44	12.40	6.13	32.4	33.9
8113 Hardin County Milling Co., Elizabethtown	2.25	12.20	7.37	32.4	34.5
8163 Stout Feed Store, Mt. Washington	2.23	12.80	6.46	32.4	34.3
8324 Hardin County Mills, Elizabethtown	2.74	12.10	<u>5.65</u>	32.4	33.7
8525 Young Seed House, Campbellsville	2.37	12.80	6.37	32.4	34.5
8595 St. Matthews Produce Exchange, St. Matthews	2.72	11.90	6.60	32.4	34.3
8698 Haydon Coal & Oil Co., Springfield	2.73	11.85	6.94	32.4	34.6
10-12-12 (Muriate) with 200# tobacco stems					
7843 St. Matthews Produce Exchange, St. Matthews	....	12.80	<u>10.92</u>	32.4	32.3
8114 Hardin County Milling Co., Elizabethtown	....	13.20	<u>10.55</u>	32.4	32.4
8325 Hardin County Milling Co., Elizabethtown	....	12.60	<u>11.31</u>	32.4	32.4
20 % Superphosphate					
7947 Roscoe Meadows, Clay City	....	21.80	....	26.0	28.3

v. Excess muriate equivalent to 0.40 percent potash

w. Excess muriate equivalent to 0.72 percent potash

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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 CO., (Cont'd)					
60 % Muriate of Potash					
8382 Shelby Feed & Seed Co., Shelbyville	60.92	54.0	54.8
8596 Jefferson Greenhouse Co., Lyndon	61.96	54.0	55.8
50 % Muriate of Potash					
8699 Eddyville Penitentiary, Eddyville	51.00	45.0	45.9
48 % Sulfate of Potash					
8164 Stout Feed Store, Mt. Washington	48.32	52.8	53.7
A. F. PRINGLE AND COMPANY, Charleston, S. C.					
20 % Superphosphate "Merco"					
7844 Southern States Co-op., Shelbyville	20.40	....	26.0	26.5
8034 Southern States Co-op., Danville	20.90	....	26.0	27.2
8115 Southern States Co-op., Bowling Green	20.90	....	26.0	27.2
8116 Southern States Co-op., Cynthiana	21.20	....	26.0	27.0
8241 Southern States Co-op., Frankfort	20.90	....	26.0	27.2
8274 Morgan Farmers Store, West Liberty	20.10	....	26.0	26.1
8326 Southern States Co-op., Elizabethtown	19.40	....	26.0	25.2
8383 Southern States Co-op., Shelbyville	19.90	....	26.0	25.9
8384 Camargo Farmers Supply, Camargo	19.70	....	26.0	25.6
8467 Southern States Co-op., Owensboro	20.10	....	26.0	26.1
8468 Stinson Farm Supply, Horse Cave	20.00	....	26.0	26.0
8469 Southern States Co-op., Maysville	20.20	....	26.0	26.3
8526 Southern States Co-op., Lebanon	20.40	....	26.0	26.5
8637 Southern States Co-op., Somerset	20.10	....	26.0	26.1
8748 Barnett Farm Supply, North Pleasureville	20.00	....	26.0	26.0
8763 Southern States Co-op., Campbellsville	20.13	....	26.0	26.2
48 % Sulfate of Potash					
7845 Argo Hdw. & Appliance Store, Ewing	50.08	52.8	55.5
F. S. ROYSTER GUANO COMPANY, Norfolk, Virginia					
4-12-4 (Muriate)					
8037 Majestic Collieries, Majestic	4.08	12.50	4.27	34.4	35.4
SCHROCK FERTILIZER SERVICE, Congerville, Ill.					
50 % Sulfate of Potash					
7846 Allen County Farmers Service, Scottsville	47.84	55.0	52.6

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
O. M. SCOTT & SONS COMPANY, Marysville, Ohio					
9-7-4 (Muriate)					
8602 Jack Dayton & Son, Louisville	9.10	8.60	6.16	38.4	42.7
SPENCER CHEMICAL COMPANY, Pittsburg, Kansas					
33.50 % Ammonium Nitrate					
7949 Stanton Farmers Supply, Stanton	33.48	....	....	67.0	67.0
SWIFT & COMPANY PLANT FOOD DIVISION National Stock Yards, Illinois					
8-8-8 (Muriate) "Red Steer"					
8603 Morganfield Hdw. Co., Morganfield	<u>7.04</u>	10.20	8.41	41.6	42.7
6-10-4 (Muriate) "Vigoro"					
7950 Young & Conway Seed Co., Morganfield	5.91	10.00	4.43	36.0	36.3
7951 Robinson & Turley, Richmond	5.96	10.30	4.44	36.0	36.7
8038 Farmers Supply Co., Danville	<u>5.42</u>	10.60	4.20	36.0	35.8
8039 Whitesburg Farm Service, Whitesburg	<u>5.91</u>	10.30	4.27	36.0	36.5
8275 Bunton Seed Co., Louisville	5.78	9.98	4.69	36.0	36.2
8472 Calloway County Soil Imp. Asso., Murray	<u>5.55</u>	10.20	4.95	36.0	36.3
8729 Monarch Milling Co., Mt. Sterling	<u>5.95</u>	11.30	4.93	36.0	38.4
8750 J. W. Settle Feed Store, Frankfort	5.80	10.55	5.56	36.0	37.8
6-8-6 (Sulfate) "Blenn"					
7847 Stanley Penn, Lexington	<u>5.27</u>	9.20	6.89 ^x	35.6	36.5
7952 Cayce-Yost Co., Hopkinsville	<u>5.51</u>	8.30	6.45 ^y	35.6	35.4
5-10-5 (Muriate) Red Steer					
8166 Farmers Supply Co., Roadfork	4.86	10.10	5.29	35.0	35.1
4-12-8 (Muriate) Red Steer					
8117 Millersburg Coal & Lumber Co., Millersburg	3.92	12.40	8.75	38.4	39.5
4-12-8 (Sulfate) "Vigoro"					
7848 Clyde Richardson, Midway	4.14	12.40	8.30	38.4	39.5
7849 Walters & Thompson, Shelbyville	4.30	11.95	7.90 ^z	38.4	38.8

x. Excess muriate equivalent to 0.62 percent potash

y. Excess muriate equivalent to 0.29 percent potash

z. Excess muriate equivalent to 0.40 percent potash

REGULATORY BULLETIN NO. 96

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
SWIFT AND CO., (Cont'd)					
4-12-4 (Muriate) "Vigoro" 8040 Burna Feed Co., Burna	3.91	12.30	4.12	34.4	34.7
3-12-12 (Muriate) Red Steer 8604 Morganfield Hdw. Co., Morganfield	2.98	12.70	<u>11.48</u>	40.4	40.7
8605 Graves County Soil Asso., Mayfield	2.79	12.10	<u>12.36</u>	40.4	40.5
8730 Monarch Milling Co., Mt. Sterling	3.32	12.00	<u>11.56</u>	40.4	40.6
8731 Calloway County Imp. Asso., Murray	<u>2.70</u>	12.43	12.03	40.4	40.4
3-9-18 (Muriate) Red Steer 8473 Calloway County Soil Imp. Asso., Murray	2.94	9.10	18.00	42.8	42.8
8606 Yopp Seed Co., Paducah	<u>2.73</u>	9.30	18.18	42.8	42.8
0-9-27 (Muriate) 8607 Yopp Seed Co., Paducah	....	11.60	<u>22.46</u>	43.8	<u>42.4</u>
62 % Muriate of Potash 8608 Yopp Seed Company, Paducah	....	....	<u>60.72</u>	55.8	<u>54.6</u>
TENNESSEE CORPORATION, Cincinnati, Ohio., New Albany, Ind.					
6-8-6 (Sulfate) "Superior Quality Brand" 7850 Claude Fraize, Cloverport	5.77	8.80	6.77	35.6	36.9
5-10-10 (Muriate) "Superior Quality Brand" 8242 Lester L. Lynd, Ashland	4.92	<u>9.60</u>	10.50	40.0	39.9
5-10-10 (Sulfate) "Superior Quality Brand" 7851 Stagg Brothers, Vanceburg	4.94	10.40	10.69	40.0	41.1
4-24-12 (Muriate) "Superior Quality Brand" 7852 Milton Meers, Vine Grove	4.04	23.78	12.13	56.8	56.8
4-12-8 (Sulfate) "Superior Quality Brand" 7853 Claude Fraize, Cloverport	4.14	11.75	8.74	38.4	39.1
8041 Fay Bell & Son, Clarkson	4.14	12.70	8.18	38.4	39.7
8209 H. R. Squires, Greensburg	4.11	12.00	8.41	38.4	39.0
8243 Dorsey Brothers & Fisher, Carlisle	3.97	12.90	8.21	38.4	39.6
3-12-12 (Muriate) "Superior Quality Brand" 7854 Claude Fraize, Cloverport	3.11	<u>11.58</u>	12.66	40.4	40.8
8167 Farmers Supply, Monticello	2.96	<u>12.40</u>	12.59	40.4	41.4
8277 C. M. Warner, Nancy	2.87	12.90	<u>11.51</u>	40.4	40.7

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nitrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
TENNESSE CORPORATION (Cont'd)					
3-12-12 (Muriate) "Superior Quality Brand" (Cont'd)					
8327 Cooper Bros., Elizabethtown	2.96	12.10	12.06	40.4	40.5
8474 Brock Bros. Grain Co., Maysville	2.95	12.20	<u>11.56</u>	40.4	40.1
8660 Cooper Bros. Feed Store, Elizabethtown	3.01	12.10	12.26	40.4	40.8
3-9-18 (Sulfate)					
7855 Clarence LeBus, Lexington	3.10	9.10	17.76	42.8	42.9
2-12-6 (Muriate)					
7856 Stagg Bros., Vanceburg	2.30	12.30	6.40	32.4	33.8
7857 Milton Meers, Vine Grove	2.03	<u>11.70</u>	5.96	32.4	32.1
8210 Claude Fraize, Cloverport	2.08	12.20	6.72	32.4	33.5
8278 D. B. Saylor, Mt. Vernon	1.99	12.60	5.94	32.4	33.0
8306 I. K. Miller & Son, Campbellsville	2.08	12.70	6.83	32.4	34.2
8385 Farmers Supply Co., Somerset	2.05	12.20	6.32	32.4	33.1
8475 Brock Bros. Grain Co., Maysville	1.97	12.40	6.70	32.4	33.5
8661 Cooper Bros. Feed Store, Elizabethtown	2.04	12.00	6.38	32.4	32.9
8662 Ice Produce Company, Bardstown	2.00	12.10	6.21	32.4	32.7
8701 I. K. Miller & Son, Cambellsville	1.93	12.00	6.16	32.4	32.4
8732 Farmers Supply Co., Monticello	2.11	11.93	6.42	32.4	33.0
0-20-20 (Muriate) "Superior Quality Brand"					
7953 Bi-County Farm Bureau, Erlanger	....	18.83	20.20	50.0	<u>48.8</u>
7954 Southern States Co-op., Leitchfield	....	20.10	20.08	50.0	50.2
8244 H. T. Roberts, Frenchburg	....	18.70	19.20	50.0	<u>47.6</u>
8279 D. B. Saylor, Mt. Vernon	....	<u>19.23</u>	<u>21.16</u>	50.0	50.2
8280 C. M. Warner, Nancy	....	<u>18.90</u>	20.10	50.0	<u>48.8</u>
8281 Farmers Supply Co., Monticello	....	<u>19.08</u>	<u>18.58</u>	50.0	<u>47.5</u>
8328 Cooper Bros., Elizabethtown	....	<u>20.50</u>	<u>19.24</u>	50.0	49.8
8353 Farmers Cooperative Store, Owensboro	....	20.00	20.72	50.0	50.7
8386 Farmers Supply Co., Monticello	....	<u>18.53</u>	<u>19.36</u>	50.0	47.6
8387 W. C. Blair, Russell Springs	....	<u>19.60</u>	20.68	50.0	50.2
8476 Brock Bros. Grain Co., Maysville	....	<u>18.98</u>	20.80	50.0	49.6
0-20-10 (Muriate) "Superior Quality Brand"					
8168 Baughman Milling Co., Stanford	....	20.30	10.15	40.0	40.6
20 % Superphosphate					
8477 Bi-County Farm Bureau Co-op., Erlanger	....	20.20	....	26.0	26.3
60 % Muriate of Potash					
8211 Ice Produce Co., Bardstown	<u>59.56</u>	54.0	53.6
8307 Adair Farmers Service, Columbia	<u>59.56</u>	54.0	53.6

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Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Nigrogen	Phos- phoric Acid Avail- able	Potash	Index of Relative Value	
				Guar.	Found
TENNESSEE CORPORATION (Cont'd)					
50 % Sulfate of Potash.					
7955 Hughes Hamilton, Lexington	....	....	51.36	55.0	56.5
U. S. PHOSPHORIC PRODUCTS COMPANY, Div. Tennessee Corporation, Lockland, Ohio					
46 % Superphosphate (Florida)					
8119 J. W. Edwards & Son, Woodburn	....	<u>44.63</u>	....	59.8	<u>58.0</u>
8245 H. T. Roberts, Frenchburg	....	<u>45.70</u>	....	59.8	59.4
VALLEY COUNTIES OF KENTUCKY COOPERATIVE, Murray, Ky.					
62 % Calcium Metaphosphate					
8276 Southern States Co-op., Marion	....	61.93	....	80.6	80.5
8479 " " " Henderson	....	62.50	....	80.6	81.3
8611 Marshall County Soil Imp. Asso., Benton	....	62.50	....	80.6	81.3
49 % Superphosphate					
8612 Graves County Soil Imp. Asso., Mayfield	....	48.90	....	63.7	63.6
48 % Superphosphate					
8356 Livingston County Co-op., Smithland	....	<u>47.47</u>	....	62.4	61.7
8702 Ballard County Co-op., LaCenter	....	<u>47.73</u>	....	62.4	62.1
47 % Superphosphate					
8613 Graves County Soil Imp. Asso., Mayfield	....	47.70	....	61.1	62.0
8717 Edmonson Cooperative, Brownsville	....	48.45	....	61.1	63.0
33 % Ammonium Nitrate					
8355 Livingston County Co-op., Smithland	33.24	....	....	66.0	66.5
8614 Marshall County Soil Imp. Asso. Benton	33.56	....	....	66.0	67.1
VIRGINIA-CAROLINA CHEMICAL CORPORATION, Cincinnati, Ohio, Mt. Pleasant, Tenn., Richmond Va.					
6-8-6 (Muriate)					
7956 E. M. Osborne Gen. Mdse., Beech Grove	<u>5.65</u>	8.70	6.31	35.6	36.1
6-8-6 (Sulfate)					
8120 Hardin County Milling Co., Elizabethtown	6.00	9.00	6.44	35.6	37.2

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

Manufacturer, Brand Name, Guaranty, Patent 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) (Cont'd)					
9121 J. B. Curtis, Smiths Grove	5.97	9.20	6.44	35.6	37.4
8122 Sam Nahm & Co., Bowling Green	6.21	8.60	6.67	35.6	37.4
8123 W. H. Johnson, Farmers	5.75	8.90	6.34	35.6	36.5
4-12-8 (Muriate)					
7957 Farmers Supply Co., Morganfield	<u>3.74</u>	13.18	8.58	38.4	39.9
7958 F. W. Rickard, Winchester	<u>4.02</u>	12.40	8.48	38.4	39.4
8718 Young Lumber Co., Beaver Dam	<u>3.63</u>	12.75	8.47	38.4	39.0
8212 Dudgeon & Robinson, Campbellsville	<u>4.33</u>	12.60	8.13	38.4	39.9
4-12-4 (Muriate)					
8043 Bell County Supply Co., Middlesboro	3.93	12.50	5.30	34.4	36.2
4-8-12 (Sulfate)					
7858 Woodford Spears & Son, Paris	3.88	8.50	12.09	37.6	38.1
4-12-12 (Muriate)					
8044 Farmers Supply Co., Cadiz	2.85	12.40	<u>11.67</u>	40.4	40.3
8527 Grayson Milling Co., Grayson	2.93	12.10	<u>11.95</u>	40.4	40.3
8528 Dudgeon & Robinson, Campbellsville	3.05	12.00	12.80	40.4	41.3
8615 Farmers Supply Co., Morganfield	2.99	12.70	12.40	40.4	41.6
8719 Young Lumber Co., Beaver Dam	2.81	12.95	11.78	40.4	40.9
4-12-12 (Muriate 3, Sulfate 9)					
8124 D. M. Murphy and Co., Ezel	3.18	13.00	11.75	40.4	41.7
4-12-6 (Muriate)					
8169 Justice Brothers, McAndrews	3.14	13.05	6.98	34.4	36.9
4-9-6 (Muriate)					
8045 Bell County Supply Co., Middlesboro	3.11	9.10	6.18	30.8	31.3
7959 Farmers Supply Co., Upton	3.15	9.40	6.13	30.8	31.7
4-9-6 (Sulfate)					
7859 Shelby Feed & Seed Co., Shelbyville	3.08	9.70	6.32	30.8	32.1
8125 D. M. Murphy & Co., Ezel	3.01	9.70	5.77	30.8	31.4
4-12-6 (Muriate)					
7860 Shelby Feed & Seed Co., Shelbyville	2.22	12.00	6.39	32.4	33.2
8126 Sam Nahm and Co., Bowling Green	1.96	12.10	6.50	32.4	32.9
8170 Bridwell's Mill, Mt. Washington	2.08	12.80	7.04	32.4	34.6
8480 Miss Agnes Davis, Russellville	1.97	12.10	6.55	32.4	33.0
8616 Hopkinsville Implement Co., Hopkinsville	2.11	12.80	6.40	32.4	34.0
8617 Farmers Supply Co., Morganfield	2.13	12.80	6.07	32.4	33.7

REGULATORY BULLETIN NO. 96

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 CORP., (Cont'd)					
2-12-6 (Muriate) (Cont'd)					
8618 D. K. Hurt, Elkton	2.11	12.40	6.35	32.4	33.5
8529 U. L. Rogers, Columbia	1.97	12.40	6.35	32.4	33.2
0-12-12 (Muriate)					
7861 St. Matthews Produce Exchange, St. Matthews	12.40	12.64	32.4	33.5
8127 W. H. Johnson, Farmers	12.00	<u>11.61</u>	32.4	32.0
8530 Dudgeon & Robinson, Campbellsville	12.10	<u>13.76</u>	32.4	34.3
8531 Grayson Milling Co., Grayson	12.00	12.51	32.4	32.9
8619 Farmers Supply Co., Morganfield	12.30	12.88	32.4	33.6
8620 Jay R. Miller Wholesale Grocery, Louisa	12.30	12.96	32.4	33.7
8621 Louisa Supply Co., Louisa	12.40	12.61	32.4	33.5
8751 Trenton Hdw. Co., Trenton	12.10	12.68	32.4	33.2
20 % Superphosphate					
7862 Stagg Brothers, Vanceburg	20.50	....	26.0	26.7
8481 Miss Agnes Davis, Russellville	<u>19.25</u>	....	26.0	25.0
8532 U. L. Rogers, Columbia	<u>20.30</u>	....	26.0	26.5
8622 D. K. Hurt, Elkton	20.80	....	26.0	27.0
16 % Nitrate of Soda					
8171 Oscar Buis, Eubanks	16.32	....	....	48.0	49.0

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

TABLE 4 - Analyses of Inspection Samples of Rock Phosphate, Basic Slag, Fused Tri-Calcium Phosphate - July-December, 1951

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Phosphoric Acid				Index of Relative Value	
	Available		Total		Guar.	Found
	Guar.	Found	Guar.	Found		
THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, Cincinnati, Ohio						
Ground Phosphate Rock						
8308 Jas. E. Redden, Clarkson	3.00	2.90	30.00	31.20	15.0	15.6
AMERICAN CYANAMID COMPANY, New York 20, N. Y.						
Rock Phosphate - "Aero-Phos" Florida Brand						
8175 Knoxville Fertilizer Co., London	3.00	3.05	33.00	33.50	16.5	16.8
8330 K. R. McKinney & Son, Smithland	3.00	3.25	33.00	34.25	16.5	17.1
8388 Southern States Co-op., Owensboro	3.00	4.65	33.00	33.00	16.5	16.5
8764 Richmond Farm Service, Richmond	3.00	3.25	33.00	33.45	16.5	16.7
ASSOCIATED COOPERATIVES, Sheffield, Alabama						
16 % Fused Tri-calcium Phosphate						
8765 Farmers Service Store, Hardinsburg	16.00	16.18	28.00	27.90	25.6	25.7
COOPERATIVE FERTILIZER SERVICE, Winchester, Kentucky						
10.50 % Fertilizer Borate						
7987 Rose's Farm Supply, Campton (13)					63.0	65.4
KENTUCKY FERTILIZER WORKS, Winchester, Kentucky						
Phosphate Rock "P. P. F."						
8633 Estes Bros., Winchester	3.00	3.20	33.00	33.5	16.5	16.8
ROBIN JONES PHOSPHATE COMPANY, Nashville, Tenn.						
Rock Phosphate "Arrow Brand"						
8597 Butterworth Seed Co., Mayfield	2.00	2.30	30.00	30.50	15.0	15.3
8598 Graves County Soil Asso., Mayfield	2.00	2.30	30.00	30.60	15.0	15.3

(13) Boron guaranteed 10.50 percent - found 10.90 percent

REGULATORY BULLETIN NO. 96

TABLE 4 - Analyses of Inspection of Rock Phosphate, Basic Slag, Fused Tri-Calcium Phosphate (Continued)

Manufacturer, Brand Name, Guaranty, Station No. and From Whom Obtained	Phosphoric Acid				Index of	
	Available		Total		Relative Value	
	Guar.	Found	Guar.	Found	Guar.	Found
RUHM PHOSPHATE & CHEMICAL COMPANY, Mt. Pleasant, Tennessee						
Phosphate Rock, "Red Seal Brand"						
8035 W. D. Cunningham, Webbs Cross Roads	30.00	30.85	15.0	15.4
8036 Everett Baird, Stanford			30.00	30.10	15.0	15.1
8207 Buckhorn Coal Company, Campbellsville			30.00	30.80	15.0	15.4
8599 Harralson Seed Co., Owensboro			30.00	31.90	15.0	16.0
8600 Farmers Supply Co., Morganfield			30.00	31.45	15.0	15.7
8601 Herbert S. McDowell, Simpsonville			30.00	31.40	15.0	15.7
8749 R. D. Bellamy, Hopkinsville			30.00	30.90	15.0	15.5
SCHROCK FERTILIZER SERVICE, Congerville, Ill.						
Phosphate Rock						
7948 Bi-County Farm Bureau Co-op., Erlanger			34.00	34.05	17.0	17.0
8208 Crafton Bros. Feed Store, Henderson			34.00	34.35	17.0	17.2
Phosphate Rock						
8470 Crafton Brothers, Henderson			33.00	33.10	16.5	16.6
8471 Lawrence Holt, Sturgis			33.00	33.40	16.5	16.7
TENNESSEE COAL, IRON & RAILROAD CO., Birmingham, Alabama						
Basic Slag, Low Grade Open Hearth						
8700 Allison Shipp, Campbellsville	8.00	11.55	8.00	11.6
THOMPSON SALES COMPANY, Montgomery, Alabama						
"Calphos" Soft Phosphate with Colloidal Clay						
8478 W. I. Pritchett & Son, Corydon			20.00	20.10	10.0	10.1
THOMSON PHOSPHATE COMPANY, Chicago 5, Illinois						
Powdered Rock Phosphate (Florida) "Four Leaf Brand"						
8118 Louisa Supply Co., Louisa			33.00	33.25	16.5	16.6
8609 Clarence LeBus, Lexington	33.00	33.90	16.5	17.0
Powdered Rock Phosphate "Four Leaf Brand"						
8042 Geo. Patmor & Son, Marion			30.00	30.00	15.0	15.0
8354 Arman C. Berry, LaCenter			30.00	29.90	15.0	15.0
8610 Clinton Limestone Co., Clinton			30.00	29.70	15.0	14.9
8663 Arman C. Berry, LaCenter			30.00	29.80	15.0	14.9
8664 R. D. Adams, London			30.00	29.65	15.0	14.8
8665 Geo. Patmor & Son, Marion			30.00	30.00	15.0	15.0

COMMERCIAL FERTILIZERS IN KENTUCKY, 1951

TABLE 5 - Analyses of Inspection Samples of Bones, Dried Manures, etc.
July-December 1951

Manufacturer, Brand Name, Guaranty, Inspection No. and From Whom Obtained	Total Nitrogen	Total Phosphoric Acid	Potash	Index of Relative Value	
				Guar.	Found
ARMOUR FERTILIZER WORKS, Cincinnati, Ohio, Nashville, Tenn.; Jeffersonville, Ind.					
150-1-2.50 Sheep Manure					
8643 Ross Feed Company, Murray	1.63	1.20	4.39	12.5	15.4