

REGULATORY BULLETIN No. 285

# ANNUAL REPORT ANALYSES OF OFFICIAL FERTILIZER SAMPLES

JULY 2000 – JUNE 2001



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# ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 1998-JUNE 1999

## INTRODUCTION

This bulletin presents the results of official samples of commercial fertilizer taken during the period of July 1, 2000 through June 30, 2001 by the field inspection staff. The samples represented approximately 68,400 tons of fertilizer out of the approximately 872,000 tons sold during this period. The Laboratory made 3,045 nitrogen, 2,743 phosphorus, 2,784 potassium and 1,426 chloride, secondary and minor element and certain other analyses on these samples. The results of N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, and maximum chloride analyses of samples of mixed fertilizers and fertilizer materials and certain statistical analyses are in Table 1. Table 2 contains the results of secondary and minor element and certain other analyses and Table 3 is a listing of fertilizer registrants for Kentucky as of June 30, 2001.

## EXPLANATION OF TABLES

### Table 1.

#### Sample Data—

Every official fertilizer sample taken during the year is listed in this table alphabetically by registrant and by "GRADE" within a registrant's listing.

**GRADE:** The registrant's whole number guarantee is expressed as the grade: N - P<sub>2</sub>O<sub>5</sub> - K<sub>2</sub>O. For custom mixes with fractional guarantees this represents the whole number part of the guarantee.

**NUM:** A Laboratory number (NUM) is assigned each sample and is the only code used by the laboratory to identify a sample.

**+** : A (+) beside a NUM indicates that the sample was analyzed for a secondary or minor element and the results are in Table 2

**N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O:** These are the results of the chemical analyses of each sample for total Nitrogen(N), available phosphate (P<sub>2</sub>O<sub>5</sub>) and soluble potash (K<sub>2</sub>O).

**XS CL:** Each sample with a maximum chlorine guarantee was analyzed for chloride. If it exceeded the guarantee (XS CL), an asterisk (\*) appears in this column.

**RV:** The relative value (RV) of a NPK fertilizer is a comparison of its “found” value with its “guaranteed” value. An example calculation follows: A 6-24-24 fertilizer is guaranteed to contain 6% N, 24% P<sub>2</sub>O<sub>5</sub>, and 24% K<sub>2</sub>O. A “Guaranteed Value” and a “Found Value” are computed for the fertilizer by using the following example commercial values: N - \$4.00, P<sub>2</sub>O<sub>5</sub> - \$3.80, and K<sub>2</sub>O (Non-Tobacco) - \$1.60. The “Guaranteed Value” is calculated as follows:

<u>Element</u>	<u>Guaranteed ,%</u>		<u>Unit Value</u>		<u>Value</u>
N	6.0	X	4.00	=	24.00
P <sub>2</sub> O <sub>5</sub>	24.0	X	3.80	=	91.20
K <sub>2</sub> O	24.0	X	1.60	=	38.40
Total “Guaranteed Value”					153.60

The same procedure is followed for the “Found Value,” thus

<u>Element</u>	<u>Found, %</u>		<u>Unit Value</u>		<u>Value</u>
N	5.9	X	4.00	=	23.60
P <sub>2</sub> O <sub>5</sub>	24.1	X	3.80	=	91.58
K <sub>2</sub> O	23.9	X	1.60	=	38.24
Total “Found Value”					153.42

The relative value (RV) is then computed by dividing the “Found Value” by the “Guaranteed Value” and multiplying by 100.

$$RV = 153.42/153.6) \times 100 = 99.9\%$$

The RV is rounded to the nearest whole percent before being printed in the bulletin.

\* : Those results marked with an asterisk (\*) are deficient under the criteria stated in the investigational allowances section of this bulletin. Occasionally an analysis may be found that appears to be inconsistent in its marking. For example, two samples that are guaranteed 10% P<sub>2</sub>O<sub>5</sub> may both be shown as containing 9.1%. One of these may have an asterisk (\*) and the other may not. There are two situations which may cause this apparent discrepancy:

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- (1) The investigational allowances are applied by computer to the laboratory analyses before the found analyses are rounded to the nearest tenth of a percent and printed. In the above example, if the laboratory found 9.09% for one sample and 9.13% for the other, only the first one would be marked (\*) as deficient.
- (2) The grade as printed is the largest whole number in the guarantee of each ingredient, that is, any decimal is dropped before the table is printed. For example, a custom-mixed lot of fertilizer may be guaranteed 11.9%  $P_2O_5$  and 11.2%  $K_2O$ . The grade would be printed 0-11-11. However, the investigational allowances are applied on the basis of the 11.9% and 11.2% guarantees. If this custom mixed fertilizer analyzed 10.9%  $P_2O_5$  and 10.9%  $K_2O$ , only the 10.9%  $P_2O_5$  would be marked (\*) because it is below the 11.9% guarantee by more than the investigational allowance.

**TYPE:** The codes for type are:

BLEND - A fertilizer made by physically mixing two or more fertilizer materials or non-fertilizer ingredients. It does not include custom mixes.

MNFR - An ammoniated-granulated fertilizer made by chemically mixing and/or reacting fertilizer materials.

MAT - A fertilizer material such as muriate of potash.

CM - A custom-mixed blended fertilizer.

**FORM:** The column headed "FORM" indicates whether the fertilizer was in bags, bulk, or in Liquid form when sampled.

Statistical Analyses --

In the body of the table there is a brief statistical analysis: (1) When one grade of a company was sampled 5 or more times or (2) when 10 or more total samples were obtained from a company. The terms used are self explanatory; however, the following additional explanation is considered helpful. CV is the coefficient of variation found by dividing the standard deviation by the average analysis and multiplying by 100. The deficiency rate is calculated by dividing the number of samples with one or more deficiencies in N,  $P_2O_5$ ,  $K_2O$  or RV by the total number of samples and multiplying by 100.

**Tables 2 and 3** - Self Explanatory

## INVESTIGATIONAL ALLOWANCES

A fertilizer shall be deemed deficient if the analysis of an official sample for any primary nutrient is below the guarantee by an amount exceeding the values in the following schedule.

### Primary Nutrients

Guaranteed %	Total Nitrogen (N) %	Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) %	Soluble Potash (K <sub>2</sub> O) %
05 or less	0.37	0.65	0.39
06	0.47	0.71	0.47
07	0.59	0.77	0.56
08	0.72	0.82	0.63
09	0.81	0.86	0.70
10	0.89	0.89	0.76
12	1.03	0.95	0.87
14	1.18	1.02	0.96
16	1.29	1.12	1.05
18	1.43	1.19	1.12
20	1.57	1.32	1.18
22	1.62	1.39	1.22
24	1.65	1.46	1.26
26	1.66	1.53	1.29
28	1.58	1.59	1.33
30	1.28	1.67	1.36
32 or more	1.28	1.67	1.36

For guarantees not listed, calculate the appropriate value by interpolation.

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For these investigational allowances to be applicable, the recommended AOAC International procedures for obtaining, preparing, and analyzing samples must be used. These are described in the current edition of "Methods of Analysis" published by the, AOAC International. 481 North Frederick Avenue, Suite 500, Gaithersburg, MD 28077. In evaluating replicate data, Table 19, page 935, Journal of the Association of Official Analytical Chemists, Volume 49, No. 5, October, 1966, should be followed.

Secondary and micro nutrients shall be deemed deficient if the analysis of an official sample for any of these elements is below the guarantee by an amount exceeding the values in the following schedule.

### Secondary and Micro Nutrients

<b><u>Element</u></b>	<b><u>Investigation Allowances</u></b>
Calcium	0.2 unit + 5% of guarantee
Magnesium	0.2 unit + 5% of guarantee
Sulfur	0.2 unit + 5% of guarantee
Boron	0.003 unit + 15% of guarantee
Molybdenum	0.001 unit + 30% of guarantee
Chlorine	0.005 unit + 10% of guarantee
Copper	0.005 unit + 10% of guarantee
Iron	0.005 unit + 10% of guarantee
Manganese	0.005 unit + 10% of guarantee
Sodium	0.005 unit + 10% of guarantee
Zinc	0.005 unit + 10% of guarantee

**The maximum allowance when calculated in accordance to the above shall be one (1) percentage point.**

The investigational allowance for relative value (RV) is three (3) percentage points. The investigational allowance for maximum chlorine is 0.5 percentage point.



## MONETARY PENALTIES

Penalties for deficiencies in Total Nitrogen (N), Available Phosphate (P<sub>2</sub>O<sub>5</sub>), soluble potash (K<sub>2</sub>O), and index value shall be calculated from the following schedule.

Number of Investigational Allowance Below Guarantee	Penalty Schedule
$\leq 2$	Equal to the Monetary Value of the Deficiency
$> 2 \leq 3$	Two (2) Times the Monetary Value of the Deficiency
$> 3$	Three (3) Times the Monetary Value of the Deficiency

If the index value is greater than or equal to 97%, then the penalties calculated from the above schedule may be reduced according to the following schedule:

Number of Investigational Allowances Below Guarantee	Penalty Adjustment
No more than one (1) deficiency that is less than or equal to two (2) investigational allowances	Penalty adjusted to zero
No more than one (1) deficiency that is greater than two (2) but less than three (3) investigational allowances	Value of Overages may adjust up to 100% of the Value of the Deficiencies
Two (2) deficiencies that are less than three (3) investigational allowances; or, no more than one (1) deficiency that is equal to or greater than three (3) but less than four (4) investigational allowances	Value of Overages may adjust up to 75% of the Value of the Deficiencies

When a fertilizer is subject to a penalty from both a primary nutrient deficiency and an index value deficiency, only the larger penalty shall apply; however, in no case shall the penalty exceed the total value of the fertilizer

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Penalties for deficiencies in secondary and minor elements and for excess chlorine in tobacco fertilizer shall be calculated from the following schedules.

### DEFICIENCIES IN SECONDARY AND MINOR ELEMENTS

Number of Investigational Allowances Below Guarantee	Penalty Schedule
$\leq 2$	Equal to the Monetary Value of the Deficiency
$> 2$	Two (2) Times the Monetary Value of the Deficiency

### EXCESS CHLORINE IN TOBACCO FERTILIZERS

Number of Investigational Allowances Above Maximum Chlorine Guarantee	Penalty Schedule
$< 2$	Equal to the difference in the Soluble Potash for Tobacco Unit Value and the Non-Tobacco Soluble Potash Unit Value.
$> 2$	Two Times the Difference in the Soluble Potash for Tobacco Unit Value and the non-Tobacco Soluble Potash Unit Value.

Any penalty assessed for a deficiency in N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O, or RV shall be added to any penalty assessed for a deficiency in the secondary and minor elements or excess in chlorine and the total shall be paid by the registrant to the consumer of the lot of fertilizer represented by the sample within three months after the date of notice from the Director, receipts taken therefore and promptly forwarded to the Director. If said consumer cannot be found, the amount of the penalty payments shall be paid to the Kentucky Agricultural Experiment Station within three months after the date of the notice from the Director to the registrant and set aside (1) for purchase of equipment for the sampling, handling, analyzing and reporting of results of analyses of official samples and (2) for the education of the Kentucky fertilizer industry on the newest methods in manufacturing blended fertilizers. If the lot of fertilizer is on hand at a retail location the penalty payments assessed under this section shall be used to reduce the retail price of the fertilizer if it is to be relabeled and sold.

In no case shall the total penalties assessed exceed the retail value of the fertilizer

**MAXIMUM CHLORINE GUARANTEE FOR TOBACCO FERTILIZERS**

All fertilizers, except bagged, sold for or represented for use on field crop tobacco shall, in addition to the other guarantees specified by 12 KAR Chapter 4, state a maximum chlorine guarantee not to exceed 50 lb. per acre chlorine (equivalent to 100 lb. of muriate of potash per acre) in the following format:

Chlorine (Cl) Maximum	50 lb./acre
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The maximum chlorine guarantee shall be:

Placed below the Guaranteed Analysis as required by 12 KAR 4:090 and prominently and conspicuously displayed on the invoice or shipping ticket that accompanies bulk sales.

The invoice or shipping ticket shall state the rate of application expressed in lb./acre of the blended fertilizer.

The provisions of this administrative regulation shall not apply to fertilizers for use on plant beds.

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**COMMERCIAL FERTILIZER VALUES FOR CALENDAR YEARS  
2000 AND 2001**

Under provision of Chapter 250.401 of the Kentucky Law of 1995 the following unit values were used in assessing penalties for deficient fertilizer.

<b>Nutrient</b>	<b>2000</b>	<b>2001</b>
	<b>Dollars/Unit (20 lbs.)</b>	
Total Nitrogen (N)	\$ 3.82	\$ 5.02
Avail. Phosphate (P <sub>2</sub> O <sub>5</sub> )	\$ 4.41	\$ 4.75
Soluble Potash (K <sub>2</sub> O)		
Tobacco (Low CL)	\$ 5.54	\$ 5.52
Non-Tobacco	\$ 2.63	\$ 2.72
Calcium (Ca)	\$ .47	\$ 2.41
Magnesium	\$12.77	\$14.82
Sulfur (S)	\$ 5.54	\$ 4.63
Boron (B)	\$69.11	\$51.83
Copper (Cu)	\$70.26	\$70.95
Iron (Fe)	\$ 7.30	\$ 8.40
Manganese (Mn)	\$16.07	\$19.07
Zinc (Zn)	\$22.84	\$20.62

These values are statewide averages taken from a survey conducted in December of the preceding year. No attempt was made to distinguish between bag, bulk or liquid; or, blends and manufactured products.

TABLE 1. RESULTS OF TOTAL NITROGEN (N), AVAILABLE PHOSPHORIC ACID (P2O5), SOLUBLE POTASH (K2O), AND EXCESS CHLORIDE (XS CL) ANALYSES OF OFFICIAL FERTILIZER SAMPLES. Deficiencies in N, P2O5, K2O, and RV and excessive chloride are noted with an asterisk (\*). A (+) by the sample number indicates that there is an entry for this sample in Table 2.

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AG/GRO FERTILIZER CO. WINCHESTER KY								
00-00-60	26242			61.21		102	Mat	Bulk
00-20-20	26798		21.87	21.09		107	Blend	Bag
05-10-10	26805	05.57	11.13	11.69		112	Blend	Bag
05-10-10	28442	04.54*	10.23	10.21		99	Blend	Bag
05-10-10	28801	04.76	10.66	10.39		103	Blend	Bag
05-10-15	26533	07.15	09.73	15.84		109	Blend	Bag
05-10-15	27565	07.91	10.15	15.47		111	Blend	Bag
05-10-15	27585	07.55	09.26	15.83		108	Blend	Bag
05-10-15	27698	04.88	09.76	15.72		101	Blend	Bag
05-10-15	27979	07.48	09.23	16.03		109	Blend	Bag
05-10-15	27998	04.63	09.60	15.43		99	Blend	Bag
05-10-15	28071	07.79	11.26	15.57		114	Blend	Bag
05-10-15	28308	07.43	09.89	14.72		106	Blend	Bag
05-10-15	28337	07.72	10.26	15.38		110	Blend	Bag
05-10-15	28345	07.23	09.87	15.96		110	Blend	Bag
05-10-15	28438	05.72	11.63	14.67		106	Blend	Bag
05-10-15	28450	04.84	09.85	15.18		99	Blend	Bag
05-10-15	28514	05.89	08.52*	17.00		105	Blend	Bag
05-10-15	28515	04.51*	09.26	16.43		101	Blend	Bag
05-10-15	28585	06.26	09.90	15.41		105	Blend	Bag
05-10-15	28595	05.10	10.43	14.08		98	Blend	Bag
05-10-15	28601	06.38	10.98	14.75		106	Blend	Bag
05-10-15	28648	04.93	09.78	15.90		102	Blend	Bag
05-10-15	28860	04.69	09.47	15.32		98	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number Samples This Grade : 19								
Average Analysis :								
		6.21	9.93	15.51		105.5		
CV, %								
		20.44	7.48	4.32				
05-20-20	27996	05.06	20.60	21.54		104	Blend	Bulk
05-20-20	27997	05.36	19.52	20.40		100	Blend	Bag
05-20-20	28017	04.75	19.00	20.88		97	Blend	Bag
05-20-20	28440	07.50	19.80	20.97		108	Blend	Bag
05-20-20	28513	06.61	20.17	20.80		106	Blend	Bag
05-20-20	28520	07.30	19.72	20.33		106	Blend	Bag
05-20-20	28599	08.17	20.87	20.12		111	Blend	Bag
05-20-20	28802	08.57	21.84	19.85		115	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number Samples This Grade : 8								
Average Analysis :								
		6.66	20.19	20.61		106.2		
CV, %								
		21.92	4.42	2.62				
06-12-12	26796	07.09	13.56	12.41		111	Blend	Bag
06-12-12	26803	07.40	13.51	11.77		111	Blend	Bag
06-12-12	28792	05.82	11.98	11.90		98	Blend	Bag
06-24-24	27563	09.38	23.79	25.61		109	Blend	Bag
06-24-24	27972	07.59	24.13	25.08		105	Blend	Bag
06-24-24	28431	09.14	24.23	24.76		109	Blend	Bag
09-18-27	28400	10.92	16.85	29.46		106	Blend	Bag
09-18-27	28512	08.15*	16.46*	30.90		103	Blend	Bag
09-18-27	28518	14.70	19.25	27.07		112	Blend	Bag
09-18-27	28600	08.49	16.60*	28.96		100	Blend	Bag
09-18-27	28829	08.72	17.32	26.68		97	Blend	Bag
09-18-27	29011	10.27	19.45	25.24*		101	Blend	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AG/GRO FERTILIZER CO.		WINCHESTER		KY				
Statistical Analysis for Grade : 09-18-27								
Number Samples This Grade : 6								
Average Analysis :		10.20	17.65	28.05	103.6			
CV, %		24.03	7.62	7.42				
10-10-10	25599	09.73	09.79	10.90		100	Blend	Bag
10-10-10	26195	10.20	10.67	10.25		103	Blend	Bag
10-10-10	26304	10.08	10.33	10.25		102	Blend	Bag
10-10-10	26350	09.99	10.51	10.09		102	Blend	Bag
10-10-10	26534	07.98*	09.89	10.34		92*	Blend	Bag
10-10-10	26681	10.48	10.92	10.41		106	Blend	Bag
10-10-10	26736	09.21	10.15	11.44		100	Blend	Bag
10-10-10	26804	10.20	11.17	10.41		106	Blend	Bag
10-10-10	27275	09.75	10.47	12.37		105	Blend	Bag
10-10-10	27564	09.28	10.07	10.29		98	Blend	Bag
10-10-10	27586	10.26	10.20	09.88		101	Blend	Bag
10-10-10	27826	10.17	10.21	11.29		104	Blend	Bag
10-10-10	27999	09.62	10.46	10.73		101	Blend	Bag
10-10-10	28070	09.72	11.25	11.10		106	Blend	Bag
10-10-10	28095	09.77	08.51*	10.19		93*	Blend	Bag
10-10-10	28303	10.26	10.12	11.50		104	Blend	Bag
10-10-10	28309	09.35	10.05	10.51		98	Blend	Bag
10-10-10	28425	08.71*	10.44	11.05		98	Blend	Bag
10-10-10	28439	10.61	10.08	10.57		104	Blend	Bag
10-10-10	28516	09.42	09.54	10.83		97	Blend	Bag
10-10-10	28596	09.43	09.81	10.47		98	Blend	Bag
10-10-10	28647	11.76	11.76	10.49		114	Blend	Bag
10-10-10	28793	08.81*	08.67*	10.39		91*	Blend	Bag
10-10-10	28799	09.59	09.99	10.26		98	Blend	Bag
10-10-10	28858	09.66	10.33	09.95		99	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 25								
Average Analysis :		9.76	10.21	10.63	101.2			
CV, %		7.42	6.83	5.34				
10-10-15	27969	11.46	11.17	14.10		104	Blend	Bag
10-20-20	28441	10.05	20.79	20.07		102	Blend	Bag
10-20-20	28602	09.73	20.38	20.61		101	Blend	Bag
10-20-20	29014	09.96	19.93	21.76		102	Blend	Bag
12-12-12	26797	11.11	11.58	13.78		98	Blend	Bag
12-12-12	26802	11.21	11.99	12.68		98	Blend	Bag
12-12-12	28443	10.67*	12.32	12.85		98	Blend	Bag
12-12-12	28790	11.32	12.36	12.64		100	Blend	Bag
12-12-12	28800	11.17	12.48	12.08		98	Blend	Bag
12-12-12	28810	10.97	12.46	13.43		100	Blend	Bag
Statistical Analysis for Grade : 12-12-12								
Number Samples This Grade : 6								
Average Analysis :		11.07	12.19	12.91	99.1			
CV, %		2.07	2.87	4.70				
15-15-15	27276	14.03	15.10	16.01		99	Blend	Bag
15-15-15	27489	15.04	17.37	15.31		106	Blend	Bag
15-30-15	25808	15.60	30.06	15.56		101	Blend	Bag
15-30-15	29012	15.25	29.95	16.30		101	Blend	Bag
16-27-14	25560	15.87	27.73	13.72		100	Blend	Bag
16-27-14	25809	16.22	28.02	14.96		103	Blend	Bag
16-27-14	29013	14.98	26.39	16.23		99	Blend	Bag
17-11-19	28424	17.04	11.54	20.48		101	CM	Bag
18-46-00	26243	18.07	45.72			99	Mat	Bulk
19-19-19	25559	18.68	18.67	20.41		100	Blend	Bag
19-19-19	26194	19.44	20.27	20.08		104	Blend	Bag
19-19-19	26303	18.49	19.43	21.39		102	Blend	Bag
19-19-19	26351	19.21	19.44	19.45		101	Blend	Bag
19-19-19	26532	18.42	20.88	18.71		102	Blend	Bag
19-19-19	26735	19.53	20.66	18.60		103	Blend	Bag
19-19-19	26795	18.63	20.67	20.13		103	Blend	Bag
19-19-19	27536	16.39*	17.76	24.74		98	Blend	Bag
19-19-19	27537	16.40*	17.46*	24.78		98	Blend	Bag
19-19-19	27587	18.21	20.10	21.21		103	Blend	Bag
19-19-19	27642	19.49	20.65	18.59		103	Blend	Bag

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AG/GRO FERTILIZER CO.		WINCHESTER		KY				
19-19-19	27699	21.04	20.55	16.91*		105	Blend	Bag
19-19-19	27825	18.33	20.33	20.96		103	Blend	Bag
19-19-19	27970	18.92	20.24	18.85		102	Blend	Bag
19-19-19	27971	18.71	19.42	20.28		101	Blend	Bag
19-19-19	27981	17.65	20.01	21.07		101	Blend	Bag
19-19-19	27995	14.55*	20.57	24.07		99	Blend	Bulk
19-19-19	28000	19.10	19.77	18.60		101	Blend	Bag
19-19-19	28001	17.91	18.32	21.53		99	Blend	Bag
19-19-19	28072	18.30	19.92	19.81		101	Blend	Bag
19-19-19	28076	18.62	20.61	19.16		102	Blend	Bag
19-19-19	28304	18.57	20.38	18.60		101	Blend	Bag
19-19-19	28310	18.18	20.96	20.22		103	Blend	Bag
19-19-19	28336	18.42	19.37	20.54		101	Blend	Bag
19-19-19	28344	18.42	20.42	18.95		101	Blend	Bag
19-19-19	28399	18.42	19.92	19.96		101	Blend	Bag
19-19-19	28432	19.69	20.08	18.01		102	Blend	Bag
19-19-19	28437	18.66	20.77	18.74		102	Blend	Bag
19-19-19	28444	18.99	19.96	19.38		102	Blend	Bag
19-19-19	28451	18.34	20.04	20.55		102	Blend	Bag
19-19-19	28511	19.32	20.36	18.47		102	Blend	Bag
19-19-19	28517	18.49	19.54	19.67		100	Blend	Bag
19-19-19	28519	18.32	20.25	19.61		101	Blend	Bag
19-19-19	28586	18.83	20.01	18.97		101	Blend	Bag
19-19-19	28791	18.69	18.66	19.68		99	Blend	Bag
19-19-19	28827	19.10	19.68	19.37		102	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :		36						
Average Analysis :		18.51	19.89	20.00		101.9		
CV, %		5.72	4.21	8.58				
22-20-00	25807	22.36	20.24			101	Blend	Bag
22-20-00	29015	22.30	20.00			100	Blend	Bag
34-00-00	26241	34.20				100	Mat	Bulk
34-00-00	26734	33.32				98	Mat	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		101.62	102.55	104.67				
ALL SAMPLES, CV, %		33.41	38.73	36.78				
NUMBER OF ANALYSIS		126	125	123				
Deficiency Rate -		11.71 %						
AG/GRO FERT. CO. #2		WINCHESTER		KY				
08-20-30	28474+	07.49	20.17	31.52		99	CM	Bulk
08-20-30	28475+	07.46	20.32	31.45		99	CM	Bulk
14-14-21	28472	14.54	15.07	21.51		104	CM	Bulk
14-15-22	28473	12.31*	15.52	25.64	*	101	CM	Bulk
22-08-10	28471	22.23	08.59	10.16		101	CM	Bulk
AG DISTRIBUTORS INC		NASHVILLE		TN				
00-00-60	26825			60.52		100	Mat	Bulk
08-24-24	27452	07.43	21.85*	24.69		94*	Blend	Bag
10-10-10	27453	08.40*	09.35	11.96		95*	Blend	Bag
10-20-20	27451	11.43	19.72	20.52		103	Blend	Bag
18-46-00	25959	18.51	45.64			100	Mat	Bulk
18-46-00	26826	18.58	45.47			100	Mat	Bulk
34-00-00	25958	33.63				98	Mat	Bulk
34-00-00	26274	33.90				99	Mat	Bulk
34-00-00	26827	34.50				101	Mat	Bulk
46-00-00	26004	46.20				100	Mat	Bulk
46-00-00	26270	46.17				100	Mat	Bulk
46-00-00	26828	45.88				99	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.20	97.28	103.23				
ALL SAMPLES, CV, %		7.31	3.87	8.25				
NUMBER OF ANALYSIS		11	5	4				
Deficiency Rate -		16.66 %						

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AG-QUEST		DRY RIDGE		KY				
00-10-30	27579+		00.25*	29.98		64*	Blend	Bag
15-39-09	28332	14.53	38.83	09.28		98	CM	Bag
16-12-28	28333	17.23	12.28	27.46		100	CM	Bag
19-19-19	28334	17.83	18.27	20.45		97	Blend	Bag
AGRI-CHEM INC		HERNDON		KY				
04-22-13	25603	04.46	22.42	14.16		100	CM	Bulk
09-23-30	27745	08.72	22.75	31.18		100	CM	Bulk
10-25-26	25742	09.80	25.39	26.59		98	CM	Bulk
10-25-26	25743	09.62	25.50	26.54		98	CM	Bulk
10-26-26	28184	10.13	24.77	27.78		99	CM	Bulk
11-29-21	25586	11.35	29.11	22.71		100	CM	Bulk
11-30-20	25604	11.62	30.81	20.33		100	CM	Bulk
12-30-19	25605	11.45	30.18	21.19		99	CM	Bulk
15-24-20	26538	14.60	24.07	20.94		98	CM	Bulk
19-27-11	26537	18.84	27.86	12.10		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.76	98.79	103.31				
ALL SAMPLES, CV, %		4.36	1.82	1.93				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
AGRI-CHEM, INC.		HOPKINSVILLE		KY				
00-00-60	25579			59.88		99	Mat	Bulk
00-00-60	25880			60.95		101	Mat	Bulk
00-00-60	25884			60.45		100	Mat	Bulk
00-46-00	25578		46.29			100	Mat	Bulk
04-26-25	25796	04.28	25.42	26.82		99	CM	Bulk
05-26-25	25592	05.52	26.25	25.81		99	CM	Bulk
05-26-25	25593	05.81	26.53	25.62		100	CM	Bulk
10-25-26	25797	09.52	24.79	28.20		99	CM	Bulk
10-34-00	27448	09.55	34.19			99	Mnfr	Liq
12-30-19	27744	11.84	30.58	20.17		99	CM	Bulk
15-22-22	27450	14.70	23.29	22.37		100	CM	Bulk
18-46-00	25580	17.56	46.57			100	Mat	Bulk
18-46-00	25881	17.71	45.42			98	Mat	Bulk
18-46-00	25883	17.73	45.40			98	Mat	Bulk
19-19-00	27454	19.88	20.65			105	CM	Bulk
19-19-00	27455	19.16	20.16			102	CM	Bulk
19-19-19	25561	18.95	18.39	20.41		98	CM	Bulk
23-15-16	27449	23.02	16.56	16.96		100	CM	Bulk
32-00-00	27447	32.00				100	Mat	Liq
46-00-00	25879	45.88				99	Mat	Bulk
46-00-00	25882	45.86				99	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.92	100.07	101.89				
ALL SAMPLES, CV, %		2.64	3.07	2.61				
NUMBER OF ANALYSIS		17	15	11				
Deficiency Rate -		0.00 %						
AGRI-CHEM, INC		PRINCETON		KY				
13-23-23	27629	13.34	23.94	24.10		100	CM	Bulk
19-16-21	27624	18.69	17.42	23.09		102	CM	Bulk
19-19-19	27625	19.10	20.32	19.49		101	CM	Bulk
19-19-19	27630	19.38	20.39	19.59		102	CM	Bulk
19-19-19	27631	17.95	18.77	18.57		95*	CM	Bulk
19-19-19	27632	19.44	19.41	19.59		100	CM	Bulk
20-00-32	27626	30.04		00.95*		79*	CM	Bulk
26-14-13	27627	27.08	13.89	14.90		101	CM	Bulk
26-14-13	27628	26.22	14.06	15.12		100	CM	Bulk
26-14-13	27633	27.14	15.16	13.36		102	CM	Bulk



## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AGRI-CHEM, INC		PRINCETON		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		103.16	102.17	85.76				
ALL SAMPLES, CV, %		14.15	3.49	34.35				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate -		20.00 %						
AGRI-CHEM INC		TRENTON		KY				
04-30-19	25624	04.94	29.61	20.42		98	CM	Bulk
04-30-19	25626	04.99	30.71	19.46		99	CM	Bulk
04-30-19	25627	04.99	30.58	19.74		99	CM	Bulk
06-15-20	25628	05.53	14.84	18.19*		93*	CM	Bulk
09-23-30	25622	08.55	22.87	30.53		99	CM	Bulk
09-23-30	25625	08.65	23.47	29.57		99	CM	Bulk
09-23-30	25631	09.00	22.75	31.04		100	CM	Bulk
10-26-20	28010+	09.91	26.05	20.25		98	CM	Bulk
10-26-20	28011+	10.06	25.58	20.43		98	CM	Bulk
12-30-20	25629	11.74	31.01	19.73		99	CM	Bulk
12-30-20	25630	11.56	30.03	21.19		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.49	98.82	100.41				
ALL SAMPLES, CV, %		3.08	1.86	3.91				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		9.09 %						
AGRIGRO FARM CENTER, INC.		HARTFORD		KY				
06-15-40	28363	06.25	14.91	39.41		99	CM	Bulk
06-15-40	28364	05.79	14.41	41.36		99	CM	Bulk
06-15-40	28365	05.87	14.85	41.48		101	CM	Bulk
06-15-40	28366	05.91	14.67	41.05		100	CM	Bulk
06-15-40	28367	05.87	14.53	41.13		100	CM	Bulk
06-15-40	28368	05.48*	14.82	41.31		100	CM	Bulk
06-15-40	28369	05.68	14.18	42.02		100	CM	Bulk
06-15-40	28382	05.83	14.97	41.12		100	CM	Bulk
06-15-40	28383	05.65	14.46	41.71		100	CM	Bulk
Statistical Analysis for Grade : 06-15-40								
Number Samples This Grade : 9								
Average Analysis :		5.81	14.64	41.17		100.2		
CV, %		3.66	1.81	1.77				
09-23-30	28384	08.99	23.25	29.53		99	CM	Bulk
09-23-30	28385	08.80	24.10	28.71		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.38	98.97	102.10				
ALL SAMPLES, CV, %		3.39	2.83	2.89				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		9.09 %						
AGRI PORT TERMINAL		EDDYVILLE		KY				
00-00-60	25919			60.41		100	Mat	Bulk
00-00-60	26083			60.60		101	Mat	Bulk
00-00-60	27636			60.20		100	Mat	Bulk
03-26-26	25581	04.42	26.38	25.65		101	CM	Bulk
03-26-26	25582	03.82	26.17	26.34		100	CM	Bulk
09-23-30	25587	09.12	22.64	29.58		98	CM	Bulk
10-34-00	27637	10.18	33.81			100	Mat	Liq
18-46-00	26082	17.70	45.62			98	Mat	Bulk
18-46-00	27635	17.75	46.05			99	Mat	Bulk
46-00-00	25850	46.10				100	Mat	Bulk
46-00-00	26021	46.20				100	Mat	Bulk
46-00-00	26081	45.33				98	Mat	Bulk
46-00-00	26116	46.20				100	Mat	Bulk
46-00-00	26905	46.12				100	Mat	Bulk
46-00-00	27634	45.99				99	Mat	Bulk
46-00-00	27897	46.20				100	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AGRI PORT TERMINAL		EDDYVILLE		KY				
Statistical Analysis for Grade : 46-00-00								
Number Samples This Grade : 7								
Average Analysis :								
		46.02	.00	.00		100.0		
		CV, %	.68	.00	.00			
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 100.08								
ALL SAMPLES, CV, % 3.88								
NUMBER OF ANALYSIS 13								
Deficiency Rate - 0.00 %								
AGRIUM		DENVER		CO				
00-00-60	26114			60.75		101	Mat	Bulk
AGRIUM US INC		REESE		MI				
00-00-00	28819+						Mat	Bag
00-00-60	25848			60.77		101	Mat	Bulk
00-00-60	26019			60.69		101	Mat	Bulk
AGRO DISTRIBUTION LLC		HARDINSBURG		KY				
00-00-50	27090			51.18		102	Mat	Bulk
00-00-60	25966			59.93		99	Mat	Bulk
00-12-38	27340+		12.03	40.20		100	CM	Bulk
00-46-00	25965		45.46			98	Mat	Bulk
09-23-30	27341	09.05	23.38	29.82		100	CM	Bulk
09-23-30	27342	10.03	25.20	27.38*		103	CM	Bulk
15-08-12	28639	14.52	07.46*	15.34		103	CM	Bulk
17-17-17	27338	17.27	17.64	19.16		100	CM	Bulk
19-19-19	27337	18.13	19.21	21.34		99	CM	Bulk
19-19-19	27343	18.29	19.09	21.18		99	CM	Bulk
20-12-18	28640	20.33	12.79	19.72		101	CM	Bulk
21-14-14	27339	21.43	14.54	13.83		101	CM	Bulk
23-15-15	27088	24.13	14.54*	16.69		98	CM	Bulk
23-15-16	27089	23.81	16.15	16.80		100	CM	Bulk
32-08-10	27336	31.38*	08.54	12.92		100	CM	Bulk
34-00-00	25964	33.69				99	Mat	Bulk
46-00-00	25973	45.91				99	Mat	Bulk
46-00-00	26098	46.20				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 98.86								
ALL SAMPLES, CV, % 4.36								
NUMBER OF ANALYSIS 14								
Deficiency Rate - 22.22 %								
ALASKA FISH FERTILIZER CO.		RENTON		WA				
05-01-01	26511+	05.40	01.64	02.10		124	Mnfr	Liq
ALLEN CO. FARMERS SERVICE		SCOTTSVILLE		KY				
12-24-24	26444	11.81	24.14	26.00		99	CM	Bulk
19-19-19	26286	19.87	19.81	19.37		101	CM	Bulk
19-19-19	26405	18.98	19.20	20.14		99	CM	Bulk
19-19-19	26415	19.02	20.12	19.03		100	CM	Bulk
19-19-19	26416	18.22	19.51	19.51		99	CM	Bulk
21-28-09	26442	20.52	29.19	09.89		99	CM	Bulk
23-16-16	26407	23.59	16.37	16.50		100	CM	Bulk
25-14-14	26441	24.20	14.91	16.40		99	CM	Bulk
25-14-14	26443	24.99	15.28	15.92		100	CM	Bulk
33-09-09	26406	33.63	08.94	09.49		100	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
ALLEN CO. FARMERS SERVICE		SCOTTSVILLE		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.99	101.05	104.03				
ALL SAMPLES, CV, %		2.82	2.83	4.04				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
ALLEN COUNTY FEED AND SEED		SCOTTSVILLE		KY				
09-24-23	26847	09.38	23.97	25.06		99	CM	Bulk
10-26-26	26453	10.21	26.06	25.76		99	CM	Bulk
19-19-19	26448	19.12	18.46	20.85		99	CM	Bulk
19-19-19	26843	17.90	18.18	22.81		98	CM	Bulk
19-19-19	26844	18.62	18.19	22.71		99	CM	Bulk
19-19-19	26845	19.86	19.33	20.68		102	CM	Bulk
20-12-23	28052	19.84	11.26*	25.85		98	CM	Bulk
20-19-17	28051	19.87	19.52	18.50		99	CM	Bulk
21-17-17	26848	21.46	19.03	18.34		102	CM	Bulk
24-16-14	26846	25.72	15.16*	14.64		99	CM	Bulk
27-22-06	26447	26.60	22.02	07.50		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.47	96.92	107.90				
ALL SAMPLES, CV, %		3.37	5.20	6.35				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		18.18 %						
ALLENSVILLE CROP SERVICE		ALLENSVILLE		KY				
05-28-26	25614	05.98	29.11	26.81		101	CM	Bulk
05-28-26	25615	05.92	28.87	27.22		101	CM	Bulk
05-28-26	25617	05.86	28.90	28.12		102	CM	Bulk
09-23-30	25616	08.08*	21.73	32.03		98	CM	Bulk
09-23-30	25623	07.47*	20.53*	33.66		96*	CM	Bulk
11-28-22	28128	11.14	28.81	22.34		99	CM	Bulk
11-28-22	28129	10.64	27.96	23.62		98	CM	Bulk
13-13-19	28130	12.56	13.24	23.17		106	CM	Bulk
16-16-16	28126+	17.41	17.36	16.54		103	CM	Bulk
16-16-16	28127+	16.96	17.05	15.98		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.13	99.00	105.03				
ALL SAMPLES, CV, %		8.45	4.65	6.55				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		20.00 %						
ALLJACK		ST LOUIS		MO				
15-30-15	26399+	15.89	30.40	15.79		103	Mnfr	Bag
15-30-15	27473+	16.36	30.70	16.42		105	Mnfr	Bag
18-18-21	26401+	19.45	18.79	20.86		104	Mnfr	Bag
18-18-21	28357+	18.98	18.40	22.39		104	Mnfr	Bag
18-24-16	26400+	18.72	24.82	17.81		105	Mnfr	Bag
30-10-10	26398+	33.55	09.20	08.26*		104	Mnfr	Bag
30-10-10	27474+	30.23	10.32	11.07		102	Mnfr	Bag
30-10-10	28796+	30.71	10.01	11.29		103	Mnfr	Bag
36-06-06	26947+	35.59	06.31	05.89		99	Mnfr	Bag
AMERICAN PLANT FOOD		CREVE COEUR		MO				
10-52-10	25930+	10.75	51.25	10.25		100	Mnfr	Bag
10-52-10	26233+	10.43	50.93	10.58		99	Mnfr	Bag
15-30-15	25929+	16.86	31.04	16.51		107	Mnfr	Bag
15-30-15	26125+	17.32	32.00	16.46		109	Mnfr	Bag
15-30-15	26228+	17.07	31.96	16.61		109	Mnfr	Bag
15-30-15	26293+	17.02	31.11	16.50		107	Mnfr	Bag
15-30-15	28355+	16.52	31.47	16.27		106	Mnfr	Bag
15-30-15	28957+	16.62	31.52	16.69		107	Mnfr	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
AMERICAN PLANT FOOD CREVE COEUR MO								
Statistical Analysis for Grade : 15-30-15								
Number Samples This Grade : 6								
Average Analysis :								
		16.90	31.51	16.50		108.0		
		CV, %	1.76	1.28	.86			
18-18-21	25932+	19.56	19.90	21.24		107	Mnfr	Bag
18-18-21	26232+	19.40	19.34	21.34		106	Mnfr	Bag
18-18-21	28356+	18.87	17.59	20.83		100	Mnfr	Bag
18-24-16	25931+	19.63	25.89	18.31		109	Mnfr	Bag
18-24-16	28682+	19.71	24.14	18.30		106	Mnfr	Bag
30-10-10	25928+	31.88	10.97	10.13		106	Mnfr	Bag
36-06-06	26047+	31.36*	10.52	06.01		99	Mnfr	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 106.39								
ALL SAMPLES, CV, % 6.14								
NUMBER OF ANALYSIS 15								
Deficiency Rate - 6.66 %								
ANDERSON CO FARM SERVICE LAWRENCEBURG KY								
00-00-50	28222			51.06		102	Mat	Bulk
00-00-60	27190			60.59		100	Mat	Bulk
05-00-10	28221	06.09		09.70		103	CM	Bulk
08-04-04	27577	08.60	04.86	04.13		105	CM	Bulk
09-05-09	28220	10.12	05.91	09.46		103	CM	Bulk
09-23-30	27576	10.10	25.54	26.97*		103	CM	Bulk
11-20-22	29020	12.05	20.94	21.32		99	CM	Bulk
18-46-00	27189	17.95	46.18			100	Mat	Bulk
19-00-20	28947	20.82		20.78		104	CM	Bulk
20-14-13	27475	20.96	14.87	14.74		103	CM	Bulk
26-20-00	28942	27.26	20.41			101	CM	Bulk
33-00-00	27188	34.28				103	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 104.10								
ALL SAMPLES, CV, % 3.70								
NUMBER OF ANALYSIS 10								
Deficiency Rate - 8.33 %								
THE ANDERSONS MAUMEE OH								
19-19-19	27980	18.49	18.18	19.71		98	Blend	Bag
BALLARD COUNTY COOP LACENTER KY								
05-14-18	25747	05.83	12.72*	20.46		98	CM	Bulk
05-14-18	25748	06.54	13.85	19.63		102	CM	Bulk
05-14-18	25749	06.28	15.00	19.96		106	CM	Bulk
09-23-30	25744	08.98	21.82	30.45		98	CM	Bulk
09-23-30	25745	08.41	22.41	30.36		98	CM	Bulk
09-23-30	25746	08.56	22.46	30.14		98	CM	Bulk
09-23-30	28104	08.59	22.56	30.57		98	CM	Bulk
12-19-25	28102	12.15	19.19	26.15		98	CM	Bulk
14-23-20	28101	13.95	22.97	20.79		99	CM	Bulk
14-23-20	28103	14.02	22.68	20.88		99	CM	Bulk
19-13-18	28099	18.65	13.28	18.75		98	CM	Bulk
19-13-18	28100	18.73	13.18	18.28		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 98.42								
ALL SAMPLES, CV, % 7.10								
NUMBER OF ANALYSIS 12								
Deficiency Rate - 8.33 %								
BANDANA FERTILIZER SERVICE BANDANA KY								
00-00-60	26030			61.02		101	Mat	Bulk
05-13-22	25790	05.72	13.04	23.76		103	CM	Bulk
05-13-22	25792	05.84	13.59	23.47		105	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
BANDANA FERTILIZER SERVICE		BANDANA		KY				
05-13-23	25791	05.90	13.49	24.56		105	CM	Bulk
05-13-42	28020	05.00	13.35	43.55		100	CM	Bulk
05-13-42	28023	05.24	13.92	43.75		102	CM	Bulk
06-15-40	28022	05.99	15.35	41.42		101	CM	Bulk
09-23-30	28019	08.74	22.94	29.62		98	CM	Bulk
09-23-30	28024	08.63	22.93	29.56		98	CM	Bulk
14-13-25	28026	14.63	13.17	26.64		100	CM	Bulk
18-46-00	26031	17.82	45.46			98	Mat	Bulk
21-00-22	28021	19.83		25.19		100	CM	Bulk
34-00-00	26029	34.00				100	Mat	Bulk
46-00-00	26032	46.20				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.58	99.88	103.27				
ALL SAMPLES, CV, %		7.36	1.98	3.51				
NUMBER OF ANALYSIS		13	10	11				
Deficiency Rate -		0.00 %						
BARREN METCALFE INC		KNOBLICK		KY				
00-00-60	26068			60.65		101	Mat	Bulk
11-18-30	27319	11.24	18.56	31.09		100	CM	Bulk
11-18-30	27323	11.42	18.37	31.22		100	CM	Bulk
15-15-15	27321	15.56	16.20	16.37		103	CM	Bulk
18-20-12	27666+	17.82	20.31	12.34		99	CM	Bulk
18-46-00	26067	18.50	45.54			100	Mat	Bulk
19-19-19	27322	19.13	19.79	19.68		100	CM	Bulk
19-19-19	27325	19.04	20.12	19.59		101	CM	Bulk
19-19-19	27664	18.91	20.12	19.78		100	CM	Bulk
19-25-14	27320	19.20	25.61	14.49		99	CM	Bulk
22-21-14	27324	21.76	21.88	14.59		100	CM	Bulk
24-15-15	27665	24.65	15.75	15.54		100	CM	Bulk
34-00-00	26066	33.75				99	Mat	Bulk
46-00-00	26069	46.20				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.22	101.17	102.19				
ALL SAMPLES, CV, %		1.92	1.85	1.84				
NUMBER OF ANALYSIS		13	11	11				
Deficiency Rate -		0.00 %						
BAYER-PURSELL,LLC		BIRMINGHAM		AL				
08-11-05	26124+	08.42	11.03	04.94		101	Mnfr	Bag
BICKETT AGRI CENTER		CENTRAL CITY		KY				
09-23-30	27856	08.70	22.09	30.02		97	CM	Bulk
09-23-30	27857	08.56	22.44	29.51		97	CM	Bulk
09-23-30	27858	08.64	21.88	30.32		97	CM	Bulk
09-23-30	27914	08.72	22.39	29.37		97	CM	Bulk
09-23-30	28079	09.10	22.80	29.77		99	CM	Bulk
09-23-30	28080	08.60	21.97	31.43		98	CM	Bulk
09-23-30	28081	08.96	23.25	29.82		100	CM	Bulk
09-23-30	28082	08.83	23.09	30.22		100	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade :		8						
Average Analysis :		8.76	22.48	30.05		98.5		
CV, %		2.13	2.28	2.13				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.37	97.77	100.19				
ALL SAMPLES, CV, %		2.13	2.28	2.13				
NUMBER OF ANALYSIS		8	8	8				
Deficiency Rate -		0.00 %						
BIGORIVERS AGRI SUPPLY		OWENSBORO		KY				
07-14-07	28240	07.29	13.63	07.49		100	Mnfr	Liq

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
BIGORIVERS AGRI SUPPLY		OWENSBORO		KY				
07-14-07	28531	07.10	13.43	07.52		99	Mnfr	Liq
07-14-07	29031	07.07	13.31	07.51		98	Mnfr	Liq
BLOOMFIELD FERT. & CHEM CO.		BLOOMFIELD		KY				
00-00-50	28662			50.45		100	Mat	Bulk
00-00-60	26547			61.28		102	Mat	Bulk
03-08-46	28660+	03.61	09.72	46.79		102	CM	Bulk
17-09-13	28664	16.89	09.48	13.79		100	CM	Bulk
18-46-00	26546	17.77	45.69			99	Mat	Bulk
21-06-06	27482	21.51	07.05	06.70		100	CM	Bulk
21-12-18	28663	20.88	13.06	18.63		100	CM	Bulk
27-13-13	27478	26.98	13.01	14.20		98	CM	Bulk
30-10-10	27476	31.35	10.24	10.84		99	CM	Bulk
35-07-07	27477	35.66	07.47	07.53		99	CM	Bulk
36-00-12	27481	36.05		12.14		98	CM	Bulk
36-05-07	28661	35.19*	06.38	09.09	*	101	CM	Bulk
40-00-06	27480	40.91		06.29		99	CM	Bulk
46-00-00	26548	46.20				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.31	100.46	101.35				
ALL SAMPLES, CV, %		2.01	6.17	6.62				
NUMBER OF ANALYSIS		12	9	12				
Deficiency Rate -		7.14 %						
BLUEGRASS SEED & FERT		BARDSTOWN		KY				
00-00-60	26543			60.88		101	Mat	Bulk
09-23-30	28121	08.72	22.89	30.43		99	CM	Bulk
09-23-30	28124	08.90	23.50	29.79		100	CM	Bulk
09-23-30	28125	08.45	22.51	30.80		98	CM	Bulk
09-23-30	28666	08.42	23.73	29.70		99	CM	Bulk
09-23-30	28668	08.45	22.81	31.01		99	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade :		5						
Average Analysis :		8.58	23.08	30.34		99.7		
CV, %		2.47	2.20	1.93				
18-46-00	26544	17.45	45.44			98	Mat	Bulk
22-11-17	28665	21.77	11.80	18.75		101	CM	Bulk
23-13-18	28122	22.54	14.80	18.47		99	CM	Bulk
34-00-15	28667	33.81		15.92		99	CM	Bulk
46-00-00	26545	46.12				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.14	100.55	102.03				
ALL SAMPLES, CV, %		2.40	3.01	2.72				
NUMBER OF ANALYSIS		10	8	9				
Deficiency Rate -		0.00 %						
BONIDE PRODUCTS INC		YORKVILLE		NY				
04-10-03	25547	04.32	09.93	03.13		101	Blend	Bulk
06-12-06	26733	08.51	12.06	05.57		111	Mnfr	Bag
BOYD FARM CENTER		CROFTON		KY				
06-17-37	25737	06.57	17.69	38.13		101	CM	Bulk
07-19-19	27150	18.88	19.13	20.05		131	CM	Bulk
19-19-19	27149	19.28	18.56	20.84		99	CM	Bulk
19-19-19	27736	18.71	20.04	20.20		100	CM	Bulk
21-15-19	27737	20.85	15.79	20.95		100	CM	Bulk
21-15-19	27738	21.03	15.94	20.52		101	CM	Bulk
OTIS BRYANT & SON		CANEYVILLE		KY				
10-25-26	27534	09.87	25.07	26.55		98	CM	Bulk
18-18-18	27535	18.67	17.97	18.65		99	CM	Bulk
19-19-19	27531	18.58	18.23	20.85		99	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
OTIS BRYANT & SON		CANEYVILLE		KY				
19-19-19	27532	19.05	19.09	19.46		98	CM	Bulk
19-19-19	27533	18.25	19.07	20.64		100	CM	Bulk
19-19-19	27909	17.48*	16.59*	24.07		95*	CM	Bulk
19-19-19	27910	18.60	18.77	20.11		98	CM	Bulk
19-19-19	27912	19.14	17.32*	21.06		97	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :		18.51	18.17	21.03		98.4		
CV, %		3.26	5.63	7.58				
23-16-16	27913	22.43	17.23	16.77		99	CM	Bulk
29-26-00	27911	28.26	28.13			99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.62	97.22	106.66				
ALL SAMPLES, CV, %		2.98	6.12	7.07				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate -		20.00 %						
BUNTON SEED COMPANY		LOUISVILLE		KY				
06-12-12	27569	05.70	11.02*	12.10		95*	Blend	Bag
BURKESVILLE FERTILIZER CO		BURKESVILLE		KY				
00-00-60	26252			60.86		101	Mat	Bulk
07-10-39	27273	07.39	10.42	40.21		99	CM	Bulk
08-21-21	27277	09.34	23.63	21.34		106	CM	Bulk
12-24-24	27269	11.20	23.16	24.91		97	CM	Bulk
12-24-24	27279	11.60	24.80	24.38		101	CM	Bulk
17-17-17	27272	17.04	17.68	19.19		100	CM	Bulk
18-46-00	26251	18.57	45.76			100	Mat	Bulk
19-19-19	27270	18.62	19.08	20.04		98	CM	Bulk
19-19-19	27271	18.20	19.72	20.70		100	CM	Bulk
19-19-19	27274	19.07	19.29	19.96		99	CM	Bulk
19-19-19	27278	18.01	20.62	19.30		99	CM	Bulk
33-00-00	26250	34.12				101	Mat	Bulk
46-00-00	26253	46.15				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.55	101.21	102.37				
ALL SAMPLES, CV, %		4.92	4.00	3.09				
NUMBER OF ANALYSIS		12	10	10				
Deficiency Rate -		0.00 %						
C & F SUPPLY INC		HISEVILLE		KY				
00-00-62	26187			63.04		101	Mat	Bulk
06-17-27	26466+	07.22	18.67	27.49		102	CM	Bulk
06-17-27	26467+	07.46	18.45	27.56		103	CM	Bulk
07-17-27	26462+	07.06	17.81	27.52		100	CM	Bulk
08-21-29	26463	08.37	20.88	30.58		98	CM	Bulk
10-20-27	26464	10.42	19.78	28.79		100	CM	Bulk
10-26-26	26468	10.36	25.72	27.50		100	CM	Bulk
10-28-22	26470+	11.57	27.82	22.32		100	CM	Bulk
11-15-34	26465	11.26	15.39	33.30		99	CM	Bulk
18-46-00	25917	18.34	45.54			99	Mat	Bulk
24-16-16	26471	24.70	15.76	15.79		99	CM	Bulk
27-13-13	26469	27.75	13.05	13.68		99	CM	Bulk
34-00-00	25916	33.41				98	Mat	Bulk
46-00-00	25918	46.18				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.84	99.27	101.04				
ALL SAMPLES, CV, %		2.88	3.08	2.35				
NUMBER OF ANALYSIS		13	11	11				
Deficiency Rate -		0.00 %						

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CAMERON CHEMICALS INC 03-00-00	27677+	SUFFOLK 02.78	VA			92*	Blend	Bulk
CAMPBELLSVILLE CROP SERVICE		CAMPBELLSVILL	KY					
00-00-60	26559			60.38		100	Mat	Bulk
04-23-33	28777	04.86	22.76	33.77		99	CM	Bulk
05-24-32	28778	05.10	24.12	33.30		101	CM	Bulk
13-13-13	28215	18.27	11.73*	11.05*		105	CM	Bulk
14-21-21	28213	14.38	20.50	22.24		99	CM	Bulk
17-17-17	28214	17.85	17.79	17.95		100	CM	Bulk
17-17-17	28216	17.68	17.96	17.77		100	CM	Bulk
18-16-22	28212	16.72	17.50	24.04		99	CM	Bulk
18-46-00	26560	17.57	45.99			99	Mat	Bulk
20-15-15	28210	19.61	15.36	15.63		100	CM	Bulk
24-10-10	28211	23.31	11.20	11.71		100	CM	Bulk
34-00-00	26558	33.59				98	Mat	Bulk
46-00-00	26561	45.89				99	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.33	99.48	101.33				
ALL SAMPLES, CV, %		10.53	4.96	6.99				
NUMBER OF ANALYSIS		12	10	10				
Deficiency Rate -		7.69 %						
CARGILL		RIVERVIEW	FL					
18-46-00	25849	18.02	46.47			100	Mat	Bulk
18-46-00	26020	17.41	45.95			98	Mat	Bulk
18-46-00	26115	17.94	46.18			100	Mat	Bulk
46-00-00	26271	46.20				100	Mat	Bulk
CASH VARIETY STORE		LORETTO	KY					
00-00-60	26215			60.72		101	Mat	Bulk
18-46-00	26216	17.58	45.42			98	Mat	Bulk
46-00-00	26214	45.85				99	Mat	Bulk
CAYCE, THOMAS FARM SUPPLY		PRINCETON	KY					
00-00-60	25900			60.27		100	Mat	Bulk
00-46-00	25903		44.85			97	Mat	Bulk
08-25-26	25577	08.20	25.18	27.63		99	CM	Bulk
09-24-27	26939	09.99	26.14	27.22		102	CM	Bulk
11-30-20	26937	11.99	31.21	20.69		102	CM	Bulk
11-30-20	26938	11.66	30.05	22.40		101	CM	Bulk
12-12-12	25656	13.32	12.96	13.59		105	CM	Bulk
12-31-18	26657	12.34	32.38	18.29		100	CM	Bulk
12-31-18	26658	11.96	32.20	18.17		99	CM	Bulk
18-46-00	25901	17.93	46.31			100	Mat	Bulk
24-13-17	26654	24.41	14.24	16.63		100	CM	Bulk
24-13-17	26655	24.04	14.18	17.09		100	CM	Bulk
24-13-17	26656	23.80	14.66	17.24		100	CM	Bulk
28-00-00	27002	28.00				100	Mat	Liq
28-12-12	26940	28.36	13.45	13.45		102	CM	Bulk
32-00-00	28993	32.00				100	Mat	Liq
34-00-00	25899	33.33				98	Mat	Bulk
46-00-00	25902	46.04				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.98	102.27	101.18				
ALL SAMPLES, CV, %		2.86	4.12	4.00				
NUMBER OF ANALYSIS		16	13	12				
Deficiency Rate -		0.00 %						
CECILIA FARM SERVICE		CECILIA	KY					
00-00-60	25895			60.84		101	Mat	Bulk
10-26-22	27075+	10.00	26.44	23.01		98	CM	Bulk
18-46-00	25897	17.53	46.14			99	Mat	Bulk
19-19-19	26990	20.78	20.26	18.74		104	CM	Bulk



## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CECILIA FARM SERVICE		CECILIA		KY				
19-19-19	26991	19.80	21.29	19.30		104	CM	Bulk
19-19-19	26994	20.22	21.06	19.40		105	CM	Bulk
19-19-19	27076	19.35	20.45	18.44		101	CM	Bulk
22-17-17	26969	23.17	19.23	15.31*		103	CM	Bulk
25-14-14	26970	26.11	16.93	14.76		105	CM	Bulk
25-14-14	26989	25.09	15.03	15.02		100	CM	Bulk
25-14-14	27908	23.97	14.89	16.48		98	CM	Bulk
25-14-15	26992	25.72	17.48	14.59		105	CM	Bulk
28-12-12	27907	25.73*	09.98*	18.57		95*	CM	Bulk
29-12-12	26993	30.31	14.04	10.48*		104	CM	Bulk
46-00-00	25896	45.41				98	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.89	104.34	101.21				
ALL SAMPLES, CV, %		4.71	9.21	14.91				
NUMBER OF ANALYSIS		14	13	13				
Deficiency Rate -		20.00 %						
CEN. FARMERS SUP. OF GREEN CO.		GREENSBURG		KY				
00-00-60	25864			60.80		101	Mat	Bulk
00-46-00	25889		45.66			99	Mat	Bulk
13-13-13	26887	14.03	14.39	11.08*		103	CM	Bulk
17-12-19	28992	16.62	12.53	20.45		102	CM	Bulk
17-17-17	26892	17.56	17.81	18.89		101	CM	Bulk
18-46-00	25862	17.76	45.98			99	Mat	Bulk
19-19-19	26434	18.03	19.34	20.96		98	CM	Bulk
19-19-19	26888	19.69	19.78	19.41		101	CM	Bulk
19-19-19	26890	19.92	18.70	19.85		100	CM	Bulk
19-19-19	26891	21.16	20.86	16.75*		103	CM	Bulk
21-13-13	26889	23.35	11.49*	13.28		99	CM	Bulk
25-09-09	26893	25.46	10.19	09.02		101	CM	Bulk
25-14-14	26435	24.59	15.21	16.60		100	CM	Bulk
29-11-11	26436	26.50*	13.43	15.31		100	CM	Bulk
34-00-00	25863	34.08				100	Mat	Bulk
46-00-00	25861	46.20				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.65	101.23	102.49				
ALL SAMPLES, CV, %		5.60	7.03	11.58				
NUMBER OF ANALYSIS		14	13	12				
Deficiency Rate -		25.00 %						
CHEVRON CHEM CO-AG. PROD. DIV.		RICHMOND		CA				
06-12-00	27466+	06.32	12.19			102	Mat	Bag
23-19-17	27464+	24.22	19.31	16.69		102	Mnfr	Bag
CLEMENTS AGRI SUPPLY		SPRINGFIELD		KY				
19-19-19	26855	18.61	21.09	19.06		101	CM	Bulk
23-00-30	26853	22.42		31.01		99	CM	Bulk
25-18-12	26854	24.47	19.02	12.99		99	CM	Bulk
34-00-00	25972	34.18				100	Mat	Bulk
46-00-00	25971	46.20				100	Mat	Bulk
COLES LIME FERTILIZER		HAZEL		KY				
05-15-15	25794	06.48	14.18*	17.44		100	CM	Bulk
06-15-16	25795	06.49	14.71	16.56		100	CM	Bulk
09-23-30	27623	08.41	21.94	31.99		98	CM	Bulk
09-23-30	28027	08.53	22.58	29.31		97	CM	Bulk
09-23-30	28028	08.60	22.46	31.97		100	CM	Bulk
13-19-20	28505	12.85	20.41	20.73		101	CM	Bulk
17-15-20	26598	16.73	16.93	21.16		103	CM	Bulk
19-17-15	26599	18.90	18.03	16.10		101	CM	Bulk
CORBIN FARM & GARDEN CENTER		CORBIN		KY				
00-00-60	26323			60.71		101	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CORBIN FARM & GARDEN CENTER		CORBIN		KY				
00-46-00	26321		45.92			99	Mat	Bulk
05-20-20	26327	05.24	21.32	18.72*		102	Blend	Bag
06-12-12	26328	06.48	13.20	11.72		106	Blend	Bag
10-10-10	26326	09.07*	09.79	10.96		97	Blend	Bag
18-46-00	26322	17.41	45.62			98	Mat	Bulk
19-19-19	26325	19.20	18.95	19.05		100	Blend	Bag
46-00-00	26324	46.02				100	Mat	Bulk
CRITTENDEN FARM SUPPLY		MARION		KY				
08-21-28	27023	08.69	21.98	28.97		100	CM	Bulk
09-23-30	27026	08.44	23.32	30.69		100	CM	Bulk
10-26-23	27020	10.36	26.38	23.88		99	CM	Bulk
10-26-23	27021	10.10	26.07	24.78		99	CM	Bulk
10-27-24	27022	10.32	28.59	25.93		103	CM	Bulk
10-27-24	27025	10.36	27.72	24.72		100	CM	Bulk
15-15-26	27027	15.24	16.25	27.24		100	CM	Bulk
21-15-19	27016+	20.87	15.66	20.66		100	CM	Bulk
24-15-15	27015	24.60	16.37	17.33		103	CM	Bulk
27-11-15	27024	26.77	13.29	16.82		104	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.49	101.79	104.75				
ALL SAMPLES, CV, %		2.36	4.89	3.86				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		POOLE		KY				
09-23-30	27956	09.86	25.00	27.16*		102	CM	Bulk
09-23-30	27957	09.14	23.66	29.40		100	CM	Bulk
09-23-30	27958	08.70	22.18	29.61		97	CM	Bulk
09-23-30	28262	09.38	24.13	28.34*		101	CM	Bulk
10-26-26	27959	09.77	24.94	27.22		98	CM	Bulk
CROP PRODUCTION SVC		CADIZ		KY				
08-41-12	25651	08.55	41.93	12.33		100	CM	Bulk
08-41-12	25652	08.62	42.30	11.93		100	CM	Bulk
08-41-12	25653	08.53	42.53	12.21		101	CM	Bulk
10-26-25	27799	10.34	26.38	25.93		100	CM	Bulk
10-26-26	25654	09.89	26.01	26.20		99	CM	Bulk
10-26-26	25655	09.57	25.48	26.36		98	CM	Bulk
21-17-17	27800	21.77	19.24	17.21		102	CM	Bulk
28-12-12	26659	27.07	14.28	12.95		100	CM	Bulk
28-12-12	26698	28.11	14.19	12.10		101	CM	Bulk
28-12-12	27746	26.91	13.83	14.47		101	CM	Bulk
28-12-12	27798	28.35	14.33	12.93		103	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.28	103.41	101.49				
ALL SAMPLES, CV, %		2.21	5.56	4.69				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		CLARKSON		KY				
18-18-18	27103	18.36	19.66	20.03		102	CM	Bulk
19-19-19	27099	18.60	18.42	21.06		100	CM	Bulk
19-19-19	27101	17.55	19.54	20.78		100	CM	Bulk
19-19-19	27102	18.81	19.33	20.31		101	CM	Bulk
19-19-19	27105	19.03	18.61	20.24		100	CM	Bulk
19-19-19	27106	19.36	19.43	19.51		102	CM	Bulk
19-19-19	27108	18.85	19.33	20.43		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :		6						
Average Analysis :		18.70	19.11	20.38		101.1		
CV, %		3.30	2.46	2.60				
23-16-16	27107	23.97	16.55	16.30		101	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CROP PRODUCTION SVC								
		CLARKSON		KY				
24-16-16	27100	23.33	15.85	16.78		99	CM	Bulk
24-16-16	27104	23.97	15.86	16.52		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.58	101.00	106.18				
ALL SAMPLES, CV, %		2.60	2.54	2.75				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC								
		CLAY		KY				
09-23-30	27920	09.14	23.46	29.99		101	CM	Bulk
09-23-30	27921	08.67	22.42	29.85		97	CM	Bulk
09-23-30	27924	08.60	22.98	29.88		98	CM	Bulk
11-29-21	27923	11.15	28.67	22.31		98	CM	Bulk
13-20-26	27915	13.85	20.79	26.28		101	CM	Bulk
13-20-26	27916	13.80	19.91	27.13		100	CM	Bulk
19-18-18	27917	18.77	18.30	19.02		99	CM	Bulk
24-09-12	27918	24.11	09.19	12.95		100	CM	Bulk
24-09-12	27919	24.03	09.86	12.83		102	CM	Bulk
24-09-12	27922	23.38	09.14	12.77		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.86	99.91	101.83				
ALL SAMPLES, CV, %		2.31	2.85	2.86				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC								
		GALESBURG		IL				
00-00-50	26593			51.27		102	Mat	Bulk
00-00-50	28530			51.71		103	Mat	Bulk
00-00-60	25572			59.77		99	Mat	Bulk
00-00-60	25915			60.06		100	Mat	Bulk
00-00-60	25946			60.02		100	Mat	Bulk
00-00-60	26141			60.97		101	Mat	Bulk
00-00-60	26222			60.47		100	Mat	Bulk
00-00-60	26301			60.84		101	Mat	Bulk
00-00-60	26592			60.84		101	Mat	Bulk
00-00-60	26856			60.66		101	Mat	Bulk
00-00-60	27008			60.88		101	Mat	Bulk
00-00-60	27011			61.04		101	Mat	Bulk
00-00-60	27962			60.10		100	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number Samples This Grade : 11								
Average Analysis :		.00	.00	60.51		100.8		
CV, %		.00	.00	.74				
00-46-00	25944		45.48			98	Mat	Bulk
10-34-00	26784	09.93	33.97			99	Mat	Liq
11-52-00	26591	10.91	51.35			98	Mat	Bulk
18-46-00	25914	17.77	46.22			99	Mat	Bulk
18-46-00	25945	17.85	45.82			99	Mat	Bulk
18-46-00	26140	17.86	45.89			99	Mat	Bulk
18-46-00	26221	17.66	46.39			100	Mat	Bulk
18-46-00	26302	17.86	46.25			100	Mat	Bulk
18-46-00	26590	17.82	45.37			98	Mat	Bulk
18-46-00	26786	18.21	45.82			100	Mat	Bulk
18-46-00	27007	18.26	45.37			99	Mat	Bulk
18-46-00	27010	18.19	46.04			100	Mat	Bulk
18-46-00	27961	17.74	46.15			99	Mat	Bulk
18-46-00	28529	17.88	45.81			99	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number Samples This Grade : 11								
Average Analysis :		17.91	45.92	.00		99.7		
CV, %		1.14	.73	.00				
28-00-00	27014	28.00				100	Mat	Liq
28-00-00	27148	28.00				100	Mat	Liq
28-00-00	27733	28.00				100	Mat	Liq

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CROP PRODUCTION SVC		GALESBURG		IL				
32-00-00	27147	32.00				100	Mat	Liq
32-00-00	28053	32.00				100	Mat	Liq
46-00-00	26139	46.06				100	Mat	Bulk
46-00-00	26192	46.20				100	Mat	Bulk
46-00-00	26220	46.20				100	Mat	Bulk
46-00-00	26300	46.02				100	Mat	Bulk
46-00-00	26589	45.79				99	Mat	Bulk
46-00-00	26785	45.97				99	Mat	Bulk
46-00-00	27006	46.05				100	Mat	Bulk
46-00-00	27009	46.15				100	Mat	Bulk
46-00-00	27960	46.20				100	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number Samples This Grade :		9						
Average Analysis :		46.07	.00	.00		100.1		
CV, %		.29	.00	.00				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.94	99.67	101.13				
ALL SAMPLES, CV, %		.79	.74	1.05				
NUMBER OF ANALYSIS		27	14	13				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		HENDERSON		KY				
03-16-41	25689	03.47	16.52	41.18		100	CM	Bulk
04-23-32	25685	04.92	23.26	33.93		100	CM	Bulk
04-23-32	25688	04.83	22.17	34.63		99	CM	Bulk
05-24-31	25684	05.26	24.79	32.24		101	CM	Bulk
05-25-30	25686	05.42	25.57	31.47		101	CM	Bulk
05-25-30	25687	05.45	25.87	30.87		101	CM	Bulk
07-19-34	28259	07.81	20.55	34.25		101	CM	Bulk
08-21-30	28257+	08.08	21.04	31.93		100	CM	Bulk
08-22-31	28258	08.75	22.44	31.33		101	CM	Bulk
09-23-30	27949	08.94	23.22	29.71		99	CM	Bulk
09-23-30	27950	09.42	24.22	28.73		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.50	100.80	101.15				
ALL SAMPLES, CV, %		2.17	2.76	2.55				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		HODGENVILLE		KY				
00-13-40	26773+	13.33	41.66			100	CM	Bulk
07-22-29	26776	07.42	22.29	29.95		100	CM	Bulk
16-18-24	26771	16.22	18.21	24.84		100	CM	Bulk
19-13-20	28386	19.30	13.29	20.63		100	CM	Bulk
19-19-19	26193	18.13	19.19	19.34		97	CM	Bulk
19-19-19	26769	18.91	20.15	18.52		99	CM	Bulk
21-12-21	26770	20.77	13.76	21.73		100	CM	Bulk
21-12-21	26772	21.03	13.51	20.71		98	CM	Bulk
21-12-21	26775	21.14	13.39	22.73		101	CM	Bulk
24-16-15	26849	24.18	17.10	15.88		102	CM	Bulk
30-25-00	26774	29.51	26.70			100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.91	102.20	100.72				
ALL SAMPLES, CV, %		2.21	3.18	3.05				
NUMBER OF ANALYSIS		10	11	10				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		HORSECAVE		KY				
04-12-40	26680+	04.95	11.86	41.17		100	CM	Bulk
06-15-36	26682+	05.89	15.42	37.51		100	CM	Bulk
19-17-17	26573	19.49	17.83	17.10		100	CM	Bulk
24-15-15	26687	24.38	16.05	15.73		100	CM	Bulk
25-15-15	26683	25.10	15.22	15.23		100	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CROP PRODUCTION SVC		HORSECAVE		KY				
27-13-13	26688	26.56	14.04	13.98		99	CM	Bulk
28-09-14	26685	28.34	09.25	15.47		98	CM	Bulk
28-12-12	26684	29.14	12.44	11.98		100	CM	Bulk
28-12-12	26686	27.51	13.12	12.89		99	CM	Bulk
32-21-00	26574	33.07	21.67			100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.82	100.71	101.75				
ALL SAMPLES, CV, %		2.51	3.33	3.10				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		MADISONVILLE		KY				
08-20-27	25659	07.85	20.37	27.78		98	CM	Bulk
09-23-30	27842	08.31	21.02*	33.21		98	CM	Bulk
09-23-30	27843	08.39	21.84	30.79		97	CM	Bulk
09-23-30	27844	08.61	22.90	30.71		99	CM	Bulk
09-23-30	28205	08.64	22.78	30.62		99	CM	Bulk
10-27-12	25660	11.17	26.84	14.47		102	CM	Bulk
23-15-16	28206	21.30*	16.35	19.13		98	CM	Bulk
23-15-16	28207	23.00	16.26	16.84		99	CM	Bulk
28-11-14	28208	27.04	11.39	15.03		98	CM	Bulk
28-11-14	28209	27.36	11.86	14.52		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.17	98.49	105.88				
ALL SAMPLES, CV, %		3.88	4.58	6.86				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		20.00 %						
CROP PRODUCTION SVC		MORGANFIELD		KY				
03-15-39	25710+	03.37	16.55	39.59		102	CM	Bulk
03-15-39	25711+	03.54	16.38	38.92		101	CM	Bulk
03-15-39	25714+	03.33	16.55	39.98		102	CM	Bulk
03-15-39	25734+	03.44	16.71	39.33		102	CM	Bulk
05-24-32	25712	05.04	25.00	32.71		102	CM	Bulk
05-24-32	25713	05.09	24.46	33.00		101	CM	Bulk
05-24-32	25735	05.10	24.31	32.78		101	CM	Bulk
05-24-32	25736	05.18	25.04	32.24		102	CM	Bulk
08-22-30	27012	09.57	24.69	28.99		103	CM	Bulk
19-19-19	27013	19.34	21.05	20.97		105	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		101.64	104.52	100.75				
ALL SAMPLES, CV, %		2.90	2.50	3.20				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		PEMBROKE		KY				
06-30-25	25583	06.25	30.13	25.19		99	CM	Bulk
08-33-20	25602	08.42	33.90	20.89		101	CM	Bulk
10-26-26	27734	10.15	26.49	26.54		101	CM	Bulk
10-26-26	28311	10.72	27.10	24.64*		101	CM	Bulk
14-34-13	27445	14.36	34.52	13.17		99	CM	Bulk
19-18-19	27446	18.42	19.35	20.49		99	CM	Bulk
20-23-15	26778	20.31	23.79	14.95		101	CM	Bulk
21-17-17	26777	21.04	16.63	19.35		98	CM	Bulk
CROP PRODUCTION SVC		RUSSELLVILLE		KY				
04-24-28	25635	04.49	24.28	28.52		99	CM	Bulk
04-24-28	25636	04.53	24.08	28.58		99	CM	Bulk
06-30-20	25633	05.99	31.55	18.93		100	CM	Bulk
06-30-20	25634	05.73	30.45	19.80		98	CM	Bulk
07-20-26	26906+	07.65	19.59	27.68		99	CM	Bulk
20-23-15	26904	20.83	24.19	15.72		103	CM	Bulk
33-00-00	25569+	33.74				100	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
CROP PRODUCTION SVC		RUSSELLVILLE		KY				
33-00-00	25570+	33.07				98	CM	Bulk
33-00-00	25573+	33.53				100	CM	Bulk
33-00-00	26907+	32.82				97	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.22	100.96	100.56				
ALL SAMPLES, CV, %		2.28	2.80	3.92				
NUMBER OF ANALYSIS		10	6	6				
Deficiency Rate -		0.00 %						
CROP PRODUCTION SVC		WAVERLY		KY				
04-22-33	25683	04.83	24.14	32.39*		101	CM	Bulk
04-22-33	25782	04.54	22.62	34.23		99	CM	Bulk
04-22-33	25784	05.24	22.98	33.97		101	CM	Bulk
05-24-31	25681	05.16	24.71	31.63		99	CM	Bulk
05-24-31	25682	05.27	25.94	31.36		102	CM	Bulk
CUB RUN MILLING CO.		CUB RUN		KY				
06-26-25	27662	06.27	25.83	27.58		100	CM	Bulk
11-23-23	27663	11.25	24.24	23.41		102	CM	Bulk
12-12-12	27566	11.90	11.76	13.39		100	CM	Bulk
16-16-16	27314	16.43	16.68	17.01		100	CM	Bulk
17-17-17	27098	16.90	17.10	18.98		98	CM	Bulk
17-17-17	27313	17.17	17.36	19.02		99	CM	Bulk
17-17-17	27315	16.88	16.94	19.73		98	CM	Bulk
17-17-17	27318	17.18	17.28	19.08		99	CM	Bulk
18-18-18	27316	18.34	17.56	19.43		99	CM	Bulk
19-19-19	27317	18.52	19.74	18.93		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.93	99.09	105.34				
ALL SAMPLES, CV, %		1.64	2.99	3.92				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
DABNEY FEED SUPP OF SOMERSET		SOMERSET		KY				
00-00-60	26380			60.49		100	Mat	Bulk
18-46-00	26381	17.21	45.17			97	Mat	Bulk
34-00-00	26383	33.50				98	Mat	Bulk
46-00-00	26382	46.05				100	Mat	Bulk
DABNEY FEED SUPP OF WILLAILLA		BRODHEAD		KY				
14-17-19	27817	15.15	16.22*	20.29		98	CM	Bulk
15-07-28	27644	15.26	07.81	29.43		102	CM	Bulk
18-18-20	27818	18.70	20.71	20.51		103	CM	Bulk
18-18-20	27823	18.69	20.60	20.60		103	CM	Bulk
19-19-19	27643	18.52	18.76	21.47		101	CM	Bulk
19-19-19	27819	18.49	19.43	21.67		102	CM	Bulk
19-19-19	27820	18.87	18.98	21.68		102	CM	Bulk
19-19-19	27821	19.23	19.53	20.99		103	CM	Bulk
19-19-19	27822	19.18	20.09	20.52		104	CM	Bulk
19-19-19	27824	18.93	21.00	20.41		105	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :		6						
Average Analysis :		18.87	19.63	21.12		103.4		
CV, %		1.66	4.14	2.69				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.56	103.56	107.28				
ALL SAMPLES, CV, %		1.49	5.73	4.87				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
DAVIESS COUNTY FARM SUPPLY		OWENSBORO		KY				
00-16-32	25801+	00.18	14.86*	34.93		98	CM	Bulk
00-17-34	25803+	00.06	18.50	33.49		101	CM	Bulk
00-18-30	25804+	00.06*	18.56	31.91		101	CM	Bulk
00-23-25	25802+	00.08*	23.10	26.05		100	CM	Bulk
09-23-30	27929	08.88	22.59	29.69		98	CM	Bulk
09-23-30	27930	08.70	22.96	29.96		99	CM	Bulk
09-23-30	27947	08.76	22.43	30.55		98	CM	Bulk
30-19-00	27928+	30.61	19.07			99	CM	Bulk
DRAGON CORPORATION		ROANOKE		VA				
10-10-10	26949+	10.53	11.53	11.55		111	Mnfr	Bag
DRAKES FARM SERVICE		MORGANTOWN		KY				
09-23-30	27899	09.12	23.99	28.70		100	CM	Bulk
19-19-19	27894	19.50	18.82	19.77		99	CM	Bulk
19-19-19	27895	19.04	19.79	19.88		100	CM	Bulk
19-19-19	27896	20.28	19.08	19.42		101	CM	Bulk
19-19-19	27900	20.38	18.97	18.90		100	CM	Bulk
24-15-16	27898	24.17	15.43	16.33		99	CM	Bulk
33-07-10	28042	33.25	07.39	10.23		98	CM	Bulk
33-07-10	28043	32.88	07.86	10.30		99	CM	Bulk
33-07-10	28044	33.61	08.15	09.87		100	CM	Bulk
33-07-10	28045	33.27	08.60	10.44		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.30	100.52	100.09				
ALL SAMPLES, CV, %		2.47	4.87	2.61				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
EASY GARDNER		WACO		TX				
08-09-12	26235+	11.34	10.27	13.86	*	122	Mnfr	Bag
08-24-08	26123+	11.01	25.52	10.60		116	Mnfr	Bag
08-24-08	26234+	11.22	21.72*	10.15	*	108	Mnfr	Bag
10-10-04	27796+	10.71	11.96	05.70		118	Mnfr	Bag
ELKTON CROP SERVICE		GUTHRIE		KY				
05-27-27	27652	05.91	27.61	28.55		103	CM	Bulk
09-23-30	27653	09.06	23.89	29.71		101	CM	Bulk
10-26-26	27219	09.82	26.56	26.39		100	CM	Bulk
10-26-26	27220	09.63	26.42	26.75		100	CM	Bulk
10-26-26	27651	10.02	26.24	26.44		100	CM	Bulk
15-16-19	27658	16.32	16.51	17.97		100	CM	Bulk
23-10-11	27654	23.96	10.60	11.29		99	CM	Bulk
23-10-11	27655	23.72	12.48	10.10*		101	CM	Bulk
24-10-10	27656	25.43	10.59	09.66		101	CM	Bulk
24-10-10	27657	24.82	11.84	09.87		103	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		101.19	102.69	99.49				
ALL SAMPLES, CV, %		4.38	5.45	5.28				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
ESCO		DALLAS		TX				
16-16-16	28219+	15.18	15.99	17.55		100	Mnfr	Bag
THE ESPOMA COMPANY		MILLVILLE		NJ				
03-05-07	26954+	04.11	06.00	07.54		120	Blend	Bag
04-06-04	26953+	04.52	07.54	05.16		122	Blend	Bag
04-06-04	27406+	05.64	07.62	04.74		128	Blend	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
EVERGREEN LIQUID PLT FD 05-20-05	27526	BRESLAU ON 04.96	CN 20.42	05.42		102	Mnfr	Liq
FARMERS FERTILIZER CO.		KELLEY RD	BOWLING GREEN	KY				
09-23-30	27043	09.33	24.42	28.88		102	CM	Bulk
13-34-15	27051	12.60	33.50	16.88		98	CM	Bulk
16-11-30	27046	14.40*	12.41	31.25		99	CM	Bulk
18-18-18	27052	19.72	19.18	16.51*		101	CM	Bulk
19-19-19	27044	18.22	18.44	19.87		98	CM	Bulk
19-19-19	27045	19.20	19.53	18.65		101	CM	Bulk
19-19-19	27048	18.50	19.96	18.74		100	CM	Bulk
19-19-19	27050	19.30	20.45	17.20*		101	CM	Bulk
21-18-18	27049	18.65*	17.18*	19.62		94*	CM	Bulk
23-14-18	27047	21.72	14.59	19.56		98	CM	Bulk
30-10-09	27053	28.46*	11.00	10.80		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.53	102.22	101.09				
ALL SAMPLES, CV, %		5.82	5.06	7.93				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -	45.45 %							
FARMERS FERTILIZER CO.		OLD NASHVILLE RD	BOWLING GREEN	KY				
04-10-44	27040+	03.49*	08.75*	47.09		98	CM	Bulk
19-19-19	27034	18.76	19.66	19.81		101	CM	Bulk
19-19-19	27036	18.71	19.78	18.72		100	CM	Bulk
21-15-20	27035	21.73	13.28*	21.92		98	CM	Bulk
21-15-20	27037	21.35	14.60	21.67		100	CM	Bulk
21-15-20	27041	20.12	13.64*	23.05		97	CM	Bulk
25-18-12	27033	25.21	19.08	12.74		101	CM	Bulk
25-18-12	27042	24.63	18.83	13.26		100	CM	Bulk
27-30-00	27038	27.89	30.34			100	CM	Bulk
27-30-00	27039	26.97	30.28			98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.57	97.83	106.88				
ALL SAMPLES, CV, %		4.54	7.62	4.61				
NUMBER OF ANALYSIS		10	10	8				
Deficiency Rate -	30.00 %							
FARMERS FERTILIZER CO.		SMITHS GROVE	KY					
09-23-30	26454	08.31	21.92	31.95		98	CM	Bulk
19-19-19	26455	19.82	19.45	18.21		101	CM	Bulk
19-19-19	26456	18.68	20.02	19.05		101	CM	Bulk
19-19-19	26458	19.94	18.54	18.37		100	CM	Bulk
19-19-19	26461	19.23	20.20	18.89		102	CM	Bulk
27-30-00	26663	25.97	31.27			98	CM	Bulk
30-10-10	26457	31.93	08.99*	11.09		103	CM	Bulk
30-10-10	26660	30.48	09.32	11.44		101	CM	Bulk
30-10-10	26661	30.02	10.74	11.22		103	CM	Bulk
30-10-10	26662	30.74	09.39	11.56		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		101.20	100.10	103.95				
ALL SAMPLES, CV, %		4.39	6.20	7.40				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate -	10.00 %							
FARMERS GIN COMPANY		CLINTON	KY					
00-00-60	26071			60.66		101	Mat	Bulk
09-23-30	25706	08.58	21.62	30.50		97	CM	Bulk
09-23-30	25707	08.22	21.74	32.22		98	CM	Bulk
09-23-30	25708	08.65	22.27	30.57		98	CM	Bulk
09-23-30	25709	08.88	23.58	29.30		100	CM	Bulk
09-23-30	27801	08.34	23.14	30.87		99	CM	Bulk
09-23-30	27804	09.08	23.63	30.36		101	CM	Bulk
09-23-30	27805	08.92	23.31	30.26		100	CM	Bulk



ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
<b>FARMERS GIN COMPANY CLINTON KY</b>								
09-23-30	27806	08.94	24.08	29.49		101	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 8								
Average Analysis :								
		8.70	22.92	30.44		99.8		
CV, %								
		3.52	4.03	2.94				
18-46-00	26072	18.10	45.57			99	Mat	Bulk
32-00-00	27807	32.00				100	Mat	Liq
33-05-11	27802	33.13	05.79	13.09		100	CM	Bulk
33-05-11	27803	29.58*	05.59	17.13		97	CM	Bulk
46-00-00	26070	45.93				99	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		97.04	99.51	103.52				
ALL SAMPLES, CV, %								
		4.17	3.48	13.59				
NUMBER OF ANALYSIS								
		13	11	11				
Deficiency Rate - 7.14 %								
<b>FELTY CROP SERVICE BEAVER DAM KY</b>								
09-23-30	27867	08.76	23.57	29.80		100	CM	Bulk
09-23-30	27870	08.88	22.70	29.19		98	CM	Bulk
09-23-30	27871	08.55	22.27	31.97		99	CM	Bulk
09-23-30	27872	08.52	22.30	29.54		97	CM	Bulk
19-16-21	27864	18.09	16.47	23.33		99	CM	Bulk
19-19-19	26718	18.70	18.69	20.78		100	CM	Bulk
19-19-19	27863	19.53	18.76	19.07		100	CM	Bulk
19-19-19	27865	19.79	18.94	19.13		101	CM	Bulk
19-19-19	27869	19.07	20.26	19.06		102	CM	Bulk
21-15-20	27866	20.52	15.90	21.50		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		98.68	99.90	102.33				
ALL SAMPLES, CV, %								
		3.40	3.18	4.28				
NUMBER OF ANALYSIS								
		10	10	10				
Deficiency Rate - 0.00 %								
<b>FLEMING CO. FARM SUPPLY FLEMINGSBURG KY</b>								
00-00-51	28305			50.34		98	Mat	Bulk
00-00-61	26916			61.24		100	Mat	Bulk
00-00-61	27983			62.39		102	Mat	Bulk
04-16-16	28868	08.84	17.61	18.24		121	CM	Bulk
05-10-16	28871	06.14	12.76	16.16		106	CM	Bulk
09-10-15	28872	09.97	11.73	15.49		104	CM	Bulk
09-18-27	28867	11.18	16.09*	26.89		97	CM	Bulk
09-18-27	28870	08.84	16.72*	31.49		102	CM	Bulk
10-06-10	28866	10.10	06.42	12.06		103	CM	Bulk
12-09-14	28865	12.34	11.48	15.59		106	CM	Bulk
12-09-14	28881	12.37	10.42	15.36	*	103	CM	Bulk
17-12-19	28869	16.90	15.32	18.43		103	CM	Bulk
18-05-06	28873	17.31	06.72	07.48		104	CM	Bulk
18-46-00	26915	17.99	46.42			100	Mat	Bulk
18-46-00	27984	17.72	45.98			99	Mat	Bulk
19-19-19	28306	17.63*	14.81*	26.93		95*	CM	Bulk
19-19-19	28307	19.69	19.14	18.63		98	CM	Bulk
33-00-00	27982	32.85				98	Mat	Bulk
46-00-00	26914	46.20				100	Mat	Bulk
46-00-00	27985	46.17				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		100.55	100.14	104.37				
ALL SAMPLES, CV, %								
		26.05	13.64	11.05				
NUMBER OF ANALYSIS								
		17	14	15				
Deficiency Rate - 15.00 %								
<b>FRANKLIN CROP SERVICE FRANKLIN KY</b>								
05-14-11	25693	05.83	15.59	12.10		107	CM	Bulk
05-14-11	25694	03.82*	10.10*	11.25		77*	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
FRANKLIN CROP SERVICE		FRANKLIN		KY				
05-14-11	25695	05.47	14.07	11.28		98	CM	Bulk
10-25-23	27590+	10.24	24.85	23.56		100	CM	Bulk
19-06-12	27595+	18.92	06.91	12.09		100	CM	Bulk
19-06-12	27596+	18.93	06.42	12.85		100	CM	Bulk
22-20-13	27594	22.28	20.90	13.17		100	CM	Bulk
29-09-12	27591+	29.13	09.45	12.51		100	CM	Bulk
29-09-12	27592+	28.63	09.79	12.90		100	CM	Bulk
32-10-10	27593	33.08	09.40	10.13		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.98	97.97	101.98				
ALL SAMPLES, CV, %		10.74	11.57	2.93				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -	10.00 %							
FREE FLOW FERTILIZER CO.		MAUMEE		OH				
10-10-10	27789	10.45	10.35	10.21		103	Mnfr	Bag
10-10-10	28794	09.20	10.57	10.23		99	Mnfr	Bag
12-12-12	27795	12.22	13.15	13.10		106	Mnfr	Bag
12-12-12	28502	11.37	12.25	12.44		99	Mnfr	Bag
15-30-15	25548+	15.92	30.94	14.41		102	Blend	Bag
15-30-15	27793+	13.66*	30.81	15.88		99	Mnfr	Bag
29-03-04	28067	27.02*	03.53	04.45		96*	Blend	Bag
32-04-08	27195+	31.35	04.49	07.60		99	Mnfr	Bag
FREE FLOW FERTILIZER		MAUMEE		OH				
10-10-10	26955	09.86	10.18	10.42		101	Mnfr	Bag
ROOT BLAST INTERNATIONAL, INC		CANTON		OH				
02-01-02	25549	02.27	01.29	02.10		114	Blend	Bag
02-01-02	27199	02.21	01.35	02.12		115	Blend	Bag
FRIT INDUSTRIES		OZARK		AL				
00-00-00	26289+						Mnfr	Bag
00-00-00	28236+						Mat	Bag
00-00-00	28422+						Mat	Bag
GAMALIEL BULK FERTILIZER INC		GAMALIEL		KY				
19-19-19	26829	18.65	20.73	19.70		101	CM	Bulk
19-19-19	26830	18.59	20.56	20.04		101	CM	Bulk
19-19-19	26831	18.33	20.65	19.99		101	CM	Bulk
21-15-20	26824	20.53	15.24	21.78		100	CM	Bulk
21-15-20	26832	20.46	15.17	21.17		99	CM	Bulk
21-15-20	26833	21.19	16.97	19.43		102	CM	Bulk
21-15-20	26834	19.84	16.72	20.98		100	CM	Bulk
21-15-20	26837	21.61	16.06	19.34		101	CM	Bulk
21-15-20	26838	21.40	15.82	19.63		100	CM	Bulk
Statistical Analysis for Grade : 21-15-20								
Number Samples This Grade :	6							
Average Analysis :		20.83	15.99	20.38		100.7		
CV, %		3.23	4.64	5.13				
27-11-15	26835	26.95	11.40	15.81		99	CM	Bulk
27-11-15	26836	26.68	12.76	16.80		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.98	105.39	103.33				
ALL SAMPLES, CV, %		2.68	4.29	4.62				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -	0.00 %							
GARDENER'S DELIGHT		BRANTFORD ONT		CN				
00-00-00	26393	00.45	00.77	01.02		496	Mnfr	Bag

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
GLENDALE FARM SVC		GLENDALE		KY				
05-25-30	27875	05.39	26.37	30.75		102	CM	Bulk
05-25-30	27905	05.37	26.07	31.16		101	CM	Bulk
05-27-27	27879	05.56	27.54	28.76		99	CM	Bulk
09-10-39	27881	09.02	11.35	40.21		101	CM	Bulk
09-23-30	26971	09.03	24.97	30.73		104	CM	Bulk
09-23-30	27878	09.02	23.13	29.33		99	CM	Bulk
13-34-15	27877	13.04	33.93	16.00		99	CM	Bulk
19-19-19	27527	18.84	19.50	19.91		99	CM	Bulk
19-19-19	27880	19.45	19.52	19.16		100	CM	Bulk
23-09-22	27876	23.45	10.04	21.88		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.04	101.94	101.29				
ALL SAMPLES, CV, %		2.09	3.35	2.48				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
GRANT CO FARM SUPPLY		DRY RIDGE		KY				
04-10-40	28488+	04.09	10.22	42.18		102	CM	Bulk
04-10-43	28492+	04.18	10.92	44.95		101	CM	Bulk
05-10-15	27581	04.89	09.11	15.83		99	Blend	Bag
09-18-28	28493	09.64	18.97	28.25		100	CM	Bulk
10-10-10	27580	08.74*	09.43	09.98		92*	Blend	Bag
19-13-20	28495	16.56*	15.76	22.54	*	102	CM	Bulk
19-19-19	28335	18.99	19.11	19.53		99	CM	Bulk
21-12-19	28489	21.92	13.51	18.19		101	CM	Bulk
21-12-19	28494	21.04	13.21	19.29		100	CM	Bulk
22-12-18	28490	21.65	12.01	19.05		100	CM	Bulk
22-12-18	28491	22.73	12.25	17.85		100	CM	Bulk
24-08-17	28496	25.13	08.82	17.09		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.74	101.56	102.01				
ALL SAMPLES, CV, %		5.80	6.08	3.94				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate -		16.66 %						
GRAVES CO SOIL ASSN		MAYFIELD		KY				
05-15-19	25645	06.38	15.38	20.97		103	CM	Bulk
05-15-19	25646	06.41	15.69	21.34		105	CM	Bulk
05-15-19	25647	06.16	15.51	20.49		102	CM	Bulk
05-15-19	25648	06.16	15.92	20.09		103	CM	Bulk
06-17-33	25649	06.65	18.48	33.06		100	CM	Bulk
06-17-33	25650	06.56	17.17	35.25		100	CM	Bulk
09-23-30	27811	08.53	23.27	31.08		100	CM	Bulk
09-23-30	27812	08.77	24.91	30.03		103	CM	Bulk
09-23-30	27813	08.40	23.20	31.90		101	CM	Bulk
09-23-30	27814	08.87	23.68	31.13		102	CM	Bulk
20-12-15	27815	20.63	11.84	17.62		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.02	102.42	103.62				
ALL SAMPLES, CV, %		5.18	3.09	3.63				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
GREEN CHARGER FERT. CORP.		RICHMOND		VA				
06-24-24	28107	05.06*	20.33*	21.58*		86*	Blend	Bag
06-24-24	28108	05.66	23.22	25.94		99	Blend	Bag
06-24-24	28242	05.75	23.00	25.81		99	Blend	Bag
06-24-24	28994	06.13	24.66	25.20		103	Blend	Bag
10-10-10	26338	10.04	09.80	11.02		101	Blend	Bag
10-10-10	28241	07.97*	08.59*	10.87		88*	Blend	Bag
10-10-10	28839	08.41*	08.78*	10.60		90*	Blend	Bag
10-10-10	28996	08.36*	08.55*	11.36		90*	Blend	Bag
15-15-15	26404	13.78	15.47	17.43		101	Blend	Bag
15-15-15	28109	14.78	15.50	15.73		101	Blend	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
GREEN CHARGER FERT. CORP.		RICHMOND		VA				
15-15-15	28506	13.52*	14.67	17.14		98	Blend	Bag
15-15-15	28838	14.15	14.33	16.83		98	Blend	Bag
19-19-19	28837	18.13	18.26	21.43		99	Blend	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		92.12	95.42	107.41				
ALL SAMPLES, CV, %		7.69	7.12	6.13				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate -		38.46 %						
GREENLEAF PLANT FOOD INC		DANVILLE		KY				
00-00-60	26181			61.05		101	Mat	Bulk
00-15-40	27884		15.84	40.53		102	CM	Bulk
00-15-40	27885		15.80	41.06		102	CM	Bulk
00-20-30	28560+		20.83	29.35		101	Blend	Bulk
04-16-04	26536	04.71	16.83	04.41		108	Blend	Bag
04-16-04	26913	04.47	16.36	04.63		105	Blend	Bag
05-10-10	28831	03.07*	05.31*	08.89*		64*	Blend	Bag
05-10-15	28568	03.88*	08.34*	13.84*		87*	Blend	Bag
06-12-12	26791	05.56	11.50	12.73		97	Blend	Bag
10-10-10	26189	09.70	07.66*	09.84		89*	Blend	Bag
10-10-10	26487	09.18	10.35	09.64		97	Blend	Bag
10-10-10	26792	09.63	10.38	10.90		101	Blend	Bag
10-10-10	26912	09.47	08.08*	09.98		90*	Blend	Bag
10-10-10	28013	08.52*	11.56	11.01		102	Blend	Bag
10-10-10	28123	08.10*	08.78*	08.59*		84*	Blend	Bag
10-10-10	28557	08.35*	09.23	08.78*		87*	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 7								
Average Analysis :		8.99	9.43	9.82		93.4		
CV, %		7.32	14.80	9.51				
10-20-20	28830	09.16	18.12*	20.79		94*	Blend	Bag
10-20-20	28833	09.62	19.05	20.55		97	Blend	Bag
12-15-26	26985	13.32	15.99	27.43		102	CM	Bulk
12-24-24	26490	12.95	25.78	21.18*		102	Blend	Bag
12-24-24	28832	10.28*	20.53*	28.28		94*	Blend	Bag
15-15-15	26190	14.91	13.48*	16.71		98	Blend	Bag
15-15-15	26488	12.49*	12.54*	13.34*		84*	Blend	Bag
15-15-15	28378	14.85	18.03	12.24*		103	Blend	Bag
15-15-15	28559	14.44	15.45	14.79		99	Blend	Bulk
15-15-15	28567	17.37	16.59	13.52*		108	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number Samples This Grade : 5								
Average Analysis :		14.81	15.21	14.12		98.7		
CV, %		11.73	14.70	12.09				
15-15-25	26984	13.04*	14.41*	26.45		93*	CM	Bulk
17-00-30	26982	17.15		30.69		101	CM	Bulk
18-46-00	26184	17.82	46.41			100	Mat	Bulk
19-00-25	26988	18.80		26.38		100	CM	Bulk
19-19-19	26362	15.87*	17.05*	24.46		95*	Blend	Bag
19-19-19	26489	16.78*	15.56*	24.87		95*	Blend	Bag
19-19-19	26535	19.08	21.48	16.06*		101	Blend	Bag
19-19-19	27835	13.54*	17.29*	19.42		85*	Blend	Bulk
19-19-19	28014	17.21*	18.17	21.69		97	Blend	Bag
19-19-19	28377	21.35	23.70	12.47*		106	Blend	Bag
19-19-19	28556	17.97	23.68	16.89*		104	Blend	Bag
19-19-19	28558	18.94	21.07	18.07		102	Blend	Bulk
19-19-19	28561	19.25	21.17	16.70*		102	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 9								
Average Analysis :		17.77	19.90	18.95		99.1		
CV, %		12.72	14.96	21.55				
21-15-20	26983	21.58	16.34	21.50		104	CM	Bulk
27-00-24	26986	27.19		25.75		101	CM	Bulk
27-00-24	26987	27.05		25.46		100	CM	Bulk
27-00-24	27886	27.69		24.21		100	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
GREENLEAF PLANT FOOD INC		DANVILLE		KY				
27-00-24	27887	26.58		25.51		99	CM	Bulk
34-00-00	26182	34.50				101	Mat	Bulk
46-00-00	26183	46.20				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.07	99.55	100.97				
ALL SAMPLES, CV, %		11.74	14.58	12.09				
NUMBER OF ANALYSIS		42	37	43				
Deficiency Rate -		50.00 %						
GREEN LIGHT CO		SAN ANTONIO		TX				
12-55-06	26127+	11.92	56.49	06.61		102	Mnfr	Bag
GREEN RIVER FEED MILL		MORGANTOWN		KY				
09-23-30	27422	08.54	22.99	30.16		99	CM	Bulk
19-19-19	27421	19.08	18.89	19.52		98	CM	Bulk
19-19-19	27599	19.98	18.19	19.04		98	CM	Bulk
19-19-19	27600	21.16	18.51	18.28		100	CM	Bulk
19-19-19	27601	19.88	20.08	18.28		101	CM	Bulk
19-19-19	27603	19.54	19.43	19.26		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 5								
Average Analysis :		19.92	19.02	18.87		99.9		
CV, %		3.88	3.94	3.01				
21-14-14	27420	20.36	14.31	15.51		98	CM	Bulk
24-15-15	27597	23.94	15.51	16.43		99	CM	Bulk
24-15-15	27598	25.25	15.31	15.46		100	CM	Bulk
24-15-15	27602	24.49	16.00	15.44		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.86	98.93	99.31				
ALL SAMPLES, CV, %		4.75	2.97	4.50				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
GRIFFIN INDUSTRIES INC		COLD SPRING		KY				
05-06-06	28562+	06.21	07.54	05.11*		115	Mnfr	Bag
08-03-05	28563+	08.71	03.50	04.68		107	Mnfr	Bag
08-03-05	28565+	08.06	03.22	05.84		105	Mnfr	Bag
15-02-08	28566+	16.32	03.05	07.26*		109	Mnfr	Bag
20-01-05	28564+	22.40	01.55	05.20		112	Mnfr	Bag
GRO TEC INC		MADISON		GA				
06-10-10	25939+	06.21	09.43	09.61		97	Mnfr	Bag
06-10-10	26292	07.42	12.20	09.88		116	Mnfr	Bag
06-10-10	28686	05.96	09.78	10.35		99	Mnfr	Bag
06-12-00	26048+	06.75	10.41*			95*	Mat	Bag
08-12-04	26046	08.87	12.93	04.08		108	Mnfr	Bag
08-16-16	26053	11.80	16.18	18.93		117	Mnfr	Bag
09-09-06	25942+	09.07	09.19	05.89		100	Mnfr	Bag
09-09-06	26387+	08.69	09.09	06.51		100	Mnfr	Bag
10-06-08	26055+	10.62	06.93	08.82		109	Mnfr	Bag
10-10-10	26721	11.71	11.49	13.26		119	Mnfr	Bag
12-00-00	26045+	13.20				110	Mat	Bag
16-10-09	25938	16.35	10.58	11.41		107	Mnfr	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		110.04	103.69	110.94				
ALL SAMPLES, CV, %		12.58	9.76	11.49				
NUMBER OF ANALYSIS		12	11	10				
Deficiency Rate -		8.33 %						
HANCOCK COUNTY FARM SUPPLY		HAWESVILLE		KY				
19-19-19	27326	18.64	20.09	19.82		100	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
HANCOCK COUNTY FARM SUPPLY		HAWESVILLE		KY				
19-19-19	27327	18.39	21.27	19.47		101	CM	Bulk
19-19-19	27328	18.69	19.37	20.03		99	CM	Bulk
19-19-19	27329	20.24	16.61*	21.02		98	CM	Bulk
19-19-19	27330	18.57	19.87	19.38		99	CM	Bulk
19-19-19	27331	18.64	19.48	19.82		99	CM	Bulk
19-19-19	27333	18.77	19.51	19.76		99	CM	Bulk
19-19-19	27334	19.13	19.49	19.85		100	CM	Bulk
19-19-19	27335	19.21	19.53	19.44		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 9								
Average Analysis :		18.92	19.46	19.84		99.8		
CV, %		2.95	6.28	2.48				
21-15-20	27332	18.95*	19.63	20.26		104	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.65	103.22	102.21				
ALL SAMPLES, CV, %		3.87	10.57	2.57				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		20.00 %						
HARDINSBURG FARM SUPPLY		HARNED		KY				
10-26-26	27084	09.46	24.39*	29.50		99	CM	Bulk
18-18-18	27081	18.97	18.51	20.11		101	CM	Bulk
23-07-23	27079	24.48	08.43	22.37		102	CM	Bulk
24-15-15	27083	23.97	15.09	16.58		98	CM	Bulk
27-13-13	27086	27.46	13.72	12.88		99	CM	Bulk
27-13-13	27087	27.06	14.10	13.37		100	CM	Bulk
28-28-00	27078	28.26	27.35			98	CM	Bulk
29-11-11	27080	29.16	11.56	12.50		99	CM	Bulk
29-11-11	27085	30.06	12.31	11.87		101	CM	Bulk
37-14-00	27082	36.23	16.55			101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.79	99.57	102.90				
ALL SAMPLES, CV, %		3.08	6.08	6.18				
NUMBER OF ANALYSIS		10	10	8				
Deficiency Rate -		10.00 %						
HOFFMAN A. H.		LANCASTER		NY				
04-12-00	26524+	03.11*	09.38*			78*	Mat	Bag
12-00-00	26525+	15.17				126	Mat	Bag
HOLLINSWORTH FERT		MT HERNON		KY				
09-25-25	26603	09.63	25.43	26.73		101	CM	Bulk
17-13-26	28762	17.42	14.09	26.31		101	CM	Bulk
19-19-19	26606	19.19	19.22	19.28		100	CM	Bulk
19-19-19	26608	19.52	20.01	19.70		101	CM	Bulk
20-13-19	28761	19.50	13.54	19.79		100	CM	Bulk
23-11-17	28763	23.01	11.39	18.04		101	CM	Bulk
26-13-14	28759	26.06	14.60	14.91		101	CM	Bulk
26-14-14	28764	26.06	15.16	14.52		101	CM	Bulk
27-09-13	28765	26.99	08.86	15.16		101	CM	Bulk
29-11-11	28760	29.45	12.41	11.60		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.80	102.76	102.42				
ALL SAMPLES, CV, %		1.34	3.04	3.53				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
HOWARD JOHNSONS ENT INC		MILWAUKEE		WI				
11-23-10	27004	10.97	24.54	10.54	*	104	Blend	Bag



## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
KEES FARM SERVICE, INC.		GRAYSON		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.79	100.96	103.46				
ALL SAMPLES, CV, %		1.99	4.13	2.11				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
KENTUCKY FERTILIZER WORKS		WINCHESTER		KY				
05-10-15	27967	05.49	10.96	14.57		103	Blend	Bag
05-10-15	28828	05.34	10.44	15.45		104	Blend	Bag
05-10-15	28859	06.02	12.00	15.08		109	Blend	Bag
10-10-10	25558	09.28	08.92*	10.59		94*	Blend	Bag
10-10-10	27490	11.04	11.60	11.40		113	Blend	Bag
10-10-10	27641	10.10	11.02	10.55		105	Blend	Bag
10-10-10	27973	09.60	10.16	10.13		99	Blend	Bag
10-10-10	27976	10.41	10.89	10.10		105	Blend	Bag
10-10-10	28077	09.41	11.00	14.58		111	Blend	Bag
10-10-10	28433	09.18	10.52	11.07		101	Blend	Bag
10-10-10	28826	08.56*	09.17	10.78		92*	Blend	Bag
10-10-10	28857	08.90*	10.07	10.73		97	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 9								
Average Analysis :		9.60	10.37	11.10		102.2		
CV, %		8.11	8.55	12.30				
12-12-12	27968	13.34	14.20	13.78		114	Blend	Bag
19-19-19	28620	19.47	19.85	18.51		102	Blend	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.10	106.49	106.81				
ALL SAMPLES, CV, %		9.87	8.40	11.29				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate -		21.42 %						
KNOX FERTILIZER CO., INC.		KNOX		IN				
10-10-10	25550	10.75	10.56	13.07		112	Mnfr	Bag
15-30-15	26732+	17.25	31.81	14.77		107	Mnfr	Bag
18-24-16	27193+	23.90	22.14*	14.78*		107	Mnfr	Bag
30-10-10	27200+	30.78	11.50	12.26		107	Mnfr	Bag
LEBANON CHEM - GREENVIEW DIV.		LEBANON		PA				
01-03-01	26951	01.07	03.31	01.13		109	Mnfr	Bag
09-17-09	26291+	11.01	17.99	11.62		114	Mnfr	Bag
30-04-04	26861+	29.26	03.97	05.48		102	Blend	Bag
LEBANON SEABOARD		LEBANON		PA				
09-17-09	27463+	10.27	20.38	10.84		118	Mnfr	Bag
18-03-12	28814+	16.41*	03.70	13.27		101	Mnfr	Bag
21-03-18	28813+	20.74	04.11	18.14		102	Mnfr	Bag
22-05-12	28812+	22.05	05.47	12.44		102	Blend	Bag
25-02-05	27005+	24.84	01.69	05.90		100	Blend	Bag
29-03-06	28811+	27.52	03.61	06.02		97	Blend	Bag
LESCO INC		STRONGSVILLE		OH				
18-24-12	28817+	17.70	24.14	13.63		101	Blend	Bag
19-03-06	27408+	22.72	05.11	07.76		126	Blend	Bag
19-03-07	27409+	19.46	05.27	09.42		115	Blend	Bag
32-03-08	27411+	31.79	04.89	08.98		105	Blend	Bag
LESCO, INC.		ROCKY RIVER		OH				
13-02-05	27410+	12.64	04.30	07.94		119	Blend	Bag
28-07-14	28510	20.36*	13.81	16.36		102	Blend	Bag



ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
LYONCO FARM SUPPLY INC		TOMPKINSVILLE		KY				
18-18-18	26812	19.01	18.67	19.04		101	CM	Bulk
19-19-19	26607	19.30	20.46	18.77		101	CM	Bulk
19-19-19	26809	19.23	19.16	19.90		99	CM	Bulk
19-19-19	26810	19.19	18.72	20.28		99	CM	Bulk
19-19-19	26811	19.75	18.55	20.15		100	CM	Bulk
19-19-19	26813	19.41	20.71	18.58		101	CM	Bulk
19-19-19	28767	19.87	19.43	18.90		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :								
		19.45	19.50	19.43		100.5		
CV, %								
		1.46	4.59	3.92				
23-13-18	26609	24.67	14.19	17.35		101	CM	Bulk
25-00-27	26814	26.59		26.86		103	CM	Bulk
27-11-15	26815	27.10	11.60	15.66		100	CM	Bulk
31-10-10	26610	31.33	12.30	10.59		103	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 101.24 101.80 100.19								
ALL SAMPLES, CV, % 2.28 5.56 3.44								
NUMBER OF ANALYSIS 11 10 11								
Deficiency Rate - 0.00 %								
MARSHALL CTY SOIL IMP. ASSOC.		BENTON		KY				
11-29-21	27229	11.09	28.15*	22.45		97	CM	Bulk
15-15-20	25596	15.24	15.62	20.97		99	CM	Bulk
15-19-24	27169	14.84	20.16	24.91		100	CM	Bulk
17-15-24	27234	16.93	16.03	24.58		99	CM	Bulk
18-18-16	25562	17.26	17.77	17.47		97	CM	Bulk
20-16-19	27230	20.38	17.51	18.99		99	CM	Bulk
21-17-17	27231	21.36	18.41	16.53		99	CM	Bulk
21-17-17	27233	21.25	17.70	16.87		98	CM	Bulk
21-18-17	27232	20.82	18.63	17.35		99	CM	Bulk
23-13-18	27816	23.18	14.64	19.37		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 97.23 100.63 100.83								
ALL SAMPLES, CV, % 2.00 4.12 4.33								
NUMBER OF ANALYSIS 10 10 10								
Deficiency Rate - 10.00 %								
MARSHALL COUNTY SOIL IMP.		SMITHLAND		KY				
11-30-20	27931	11.53	30.52	20.32		99	CM	Bulk
12-31-18	27933	12.30	31.97	17.87		99	CM	Bulk
17-13-21	27228	17.69	12.90	20.85		99	CM	Bulk
17-17-17	27177	18.45	16.66	17.52		98	CM	Bulk
17-17-17	27227	19.02	15.82*	17.00		97	CM	Bulk
17-17-17	28018	18.85	17.50	16.02*		99	CM	Bulk
MARTIN MARIETTA MAGNESIA SPEC		MANISTEE		MI				
00-00-00	26288+						Mnfr	Bag
00-00-00	26747+						Mat	Bag
MARTIN RESOURCES		KILGORE		TX				
00-00-00	26748+						Mat	Bag
00-00-00	27262+						Mat	Bag
MATHIS FARM SUPPLY		MELBER		KY				
05-13-17	25698	05.93	13.49	19.42		108	CM	Bulk
07-20-33	27399	07.32	19.83	34.71		99	CM	Bulk
07-20-33	27400	07.25	19.74	34.87		99	CM	Bulk
09-23-30	27392	08.52	22.93	30.50		99	CM	Bulk
09-23-30	27393	08.42	22.70	31.22		99	CM	Bulk
10-18-30	27398	10.58	18.00	30.10		99	CM	Bulk
13-15-26	27394	13.34	15.52	26.99		100	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MATHIS FARM SUPPLY		MELBER		KY				
13-15-26	27395	13.60	14.78	26.62		98	CM	Bulk
13-15-26	27396	13.73	15.27	26.84		100	CM	Bulk
13-15-26	27397	13.72	14.90	25.96		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.77	98.91	102.11				
ALL SAMPLES, CV, %		6.84	1.89	4.15				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
MAYFIELD GRAIN CO		MAYFIELD		KY				
00-00-60	25909			61.06		101	Mat	Bulk
05-14-18	25644	05.90	14.80	19.72		104	CM	Bulk
09-23-30	27167	08.88	23.50	30.01		100	CM	Bulk
09-23-30	27168	08.94	23.45	30.22		101	CM	Bulk
09-23-30	27808	08.77	23.92	29.81		101	CM	Bulk
09-23-30	27809	08.90	23.98	30.69		102	CM	Bulk
10-27-24	27165	10.29	27.38	24.87		99	CM	Bulk
10-27-24	27166	10.49	27.20	24.73		99	CM	Bulk
11-30-20	27163	11.87	30.53	20.52		100	CM	Bulk
11-30-20	27164	11.77	30.63	20.91		100	CM	Bulk
12-31-18	27161	12.47	32.35	18.51		101	CM	Bulk
12-31-18	27162	12.30	32.24	18.71		100	CM	Bulk
18-46-00	25907	17.61	45.77			99	Mat	Bulk
32-00-00	27810	32.00				100	Mat	Liq
34-00-00	25908	33.43				98	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.82	101.10	101.68				
ALL SAMPLES, CV, %		2.21	1.83	1.84				
NUMBER OF ANALYSIS		14	12	12				
Deficiency Rate -		0.00 %						
MAYSLICK MILL		MAYSLICK		KY				
03-07-41	27989+	03.11	07.79	42.60		102	CM	Bulk
03-09-37	27988+	03.92	09.14	39.09		103	CM	Bulk
04-10-41	27992+	04.14	11.05	42.85		103	CM	Bulk
06-13-20	28883	07.29	13.77	19.82		100	CM	Bulk
14-10-15	28882	14.33	10.20	17.37		102	CM	Bulk
17-14-20	27993	17.33	14.03	21.57		100	CM	Bulk
19-19-19	27987	17.54*	20.56	21.46		100	CM	Bulk
19-19-19	27990	18.98	20.97	19.31		101	CM	Bulk
19-19-19	27991	19.80	20.18	18.82		101	CM	Bulk
26-21-00	27994	25.91	22.43			100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.64	102.59	103.62				
ALL SAMPLES, CV, %		4.94	3.58	4.91				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate -		10.00 %						
MCWHORTER BROS. FARM SER., INC		ALBANY		KY				
17-17-17	28039	18.07	18.62	16.42*		100	CM	Bulk
17-17-17	28040	19.09	17.82	15.48*		100	CM	Bulk
MEIJER, INC		GRAND RAPIDS		MI				
00-00-00	26731+	00.50	00.19	00.22		466	Mnfr	Bag
METCALFE CO FARMERS SUPP		EDMONTON		KY				
00-15-39	26899		16.41	38.12		99	CM	Bulk
06-26-25	26903	10.31	25.42	26.30		107	CM	Bulk
17-17-17	26898	17.95	18.06	17.18		100	CM	Bulk
17-17-17	26900	17.64	18.81	17.99		102	CM	Bulk
17-17-17	26902	17.82	18.75	17.78		102	CM	Bulk
19-19-19	26896	20.30	19.66	19.11		102	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
METCALFE CO FARMERS SUPP		EDMONTON		KY				
19-19-19	26897	19.18	21.85	17.49*		102	CM	Bulk
19-19-19	26901	19.77	20.19	18.76		101	CM	Bulk
19-19-19	27524	18.64	21.34	18.18		100	CM	Bulk
20-15-13	26895	22.07	13.46*	14.39		98	CM	Bulk
21-09-14	28361	21.50	11.40	14.02		103	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		103.30	103.72	97.90				
ALL SAMPLES, CV, %		17.21	8.20	3.91				
NUMBER OF ANALYSIS		10	11	11				
Deficiency Rate -		18.18 %						
MILES FARM CENTER		EKRON		KY				
00-25-26	27142		25.41	27.50		100	CM	Bulk
08-22-30	25732	08.20	22.05	31.95		99	CM	Bulk
08-22-30	25733	08.59	22.33	31.27		99	CM	Bulk
09-23-30	28698	08.72	22.91	30.43		99	CM	Bulk
09-23-30	28700	08.53	23.19	30.61		100	CM	Bulk
11-29-21	27145	10.83	27.82	23.16		97	CM	Bulk
13-33-16	27140	12.83	33.24	16.29		99	CM	Bulk
13-33-16	27141	12.17	32.25	17.95		97	CM	Bulk
19-19-19	27144	18.68	19.86	19.23		99	CM	Bulk
25-15-14	28699	24.57	15.74	14.77		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.81	98.70	103.16				
ALL SAMPLES, CV, %		2.04	2.45	3.07				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate -		0.00 %						
MILES FARM CENTER		SACRAMENTO		KY				
09-23-30	28078	08.84	23.57	30.17		101	CM	Bulk
19-19-19	27366	20.11	18.56	19.87		100	CM	Bulk
MILES FARM CENTER		SHELBYVILLE		KY				
00-20-20	26479		19.84	20.09		99	Blend	Bag
05-10-15	25840	04.18*	08.94*	16.11		98	Blend	Bag
05-10-15	25841	04.72	09.54	16.42		102	Blend	Bag
05-10-15	26932	02.72*	06.08*	16.35		85*	Blend	Bag
05-10-15	27583	04.67	09.22	16.12		100	Blend	Bag
05-10-15	28174	04.32*	08.95*	15.48		96*	Blend	Bag
05-10-15	28707	04.88	09.75	16.58		104	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number Samples This Grade :		6						
Average Analysis :		4.24	8.74	16.17		97.9		
CV, %		18.66	15.38	2.38				
05-14-38	28927+	05.95	14.45	39.65		101	CM	Bulk
05-20-20	26478	05.13	20.62	20.13		102	Blend	Bag
05-20-20	26968	04.50*	21.22	19.85		101	Blend	Bag
05-20-20	27309	04.86	21.24	18.83		101	Blend	Bag
06-00-16	27680+	06.10		16.65		100	CM	Bulk
06-24-24	26860	05.73	24.69	23.57		100	Blend	Bag
06-24-24	26933	05.88	23.48	24.49		99	Blend	Bag
06-24-24	26977	06.41	24.49	24.39		102	Blend	Bag
06-24-24	27568	06.10	23.27	22.95		97	Blend	Bag
06-24-24	28173	06.46	24.10	23.90		101	Blend	Bag
06-24-24	28836	05.54	23.95	23.92		98	Blend	Bag
06-24-24	28843	06.21	24.08	24.37		101	Blend	Bag
06-24-24	29003	05.11*	24.65	24.12		99	Blend	Bag
Statistical Analysis for Grade : 06-24-24								
Number Samples This Grade :		8						
Average Analysis :		5.93	24.08	23.96		99.9		
CV, %		7.76	2.16	2.13				
07-17-33	27681+	07.02	18.06	34.26		101	CM	Bulk
10-10-10	25836	09.63	10.31	09.69		99	Blend	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MILES FARM CENTER		SHELBYVILLE		KY				
10-10-10	25837	10.72	09.79	09.71		101	Blend	Bag
10-10-10	26135	10.42	10.33	09.80		102	Blend	Bag
10-10-10	26349	08.61*	07.82*	09.37		84*	Blend	Bag
10-10-10	26481	08.42*	09.48	09.75		91*	Blend	Bag
10-10-10	26552	07.79*	09.76	10.14		90*	Blend	Bag
10-10-10	26859	07.30*	08.24*	08.94*		80*	Blend	Bag
10-10-10	26935	08.62*	09.30	09.67		91*	Blend	Bag
10-10-10	26957	10.40	10.74	10.21		104	Blend	Bag
10-10-10	26976	09.04*	08.11*	08.76*		86*	Blend	Bag
10-10-10	27198	09.02*	09.82	10.40		96*	Blend	Bag
10-10-10	27468	08.29*	09.10*	09.04*		87*	Blend	Bag
10-10-10	27479	09.13	09.41	09.11*		92*	CM	Bag
10-10-10	27567	08.78*	09.75	09.45		92*	Blend	Bag
10-10-10	27679	08.25*	08.65*	09.00*		85*	Blend	Bag
10-10-10	27735	07.22*	08.07*	09.73		80*	Blend	Bag
10-10-10	27743	08.18*	09.44	09.11*		88*	Blend	Bag
10-10-10	27874	09.00*	09.81	10.34		96*	Blend	Bag
10-10-10	28176	08.90*	09.48	09.78		93*	Blend	Bag
10-10-10	28177	08.78*	08.65*	10.74		91*	Blend	Bag
10-10-10	28815	09.02*	09.58	10.62		95*	Blend	Bag
10-10-10	28835	08.28*	08.95*	09.77		88*	Blend	Bag
10-10-10	28842	08.22*	09.56	10.26		91*	Blend	Bag
10-10-10	28977	10.23	09.12	10.05		97	Blend	Bag
10-10-10	28991	08.63*	08.94*	10.84		92*	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 25								
Average Analysis :		8.83	9.28	9.77		92.1		
CV, %		10.18	7.92	5.97				
10-10-20	25843	07.81*	08.22*	22.59		97	Blend	Bag
10-10-20	26618	09.23	09.40	21.81		98	Blend	Bag
10-10-20	28818	10.61	10.21	19.77		101	Blend	Bag
10-20-20	26858	10.07	19.86	19.51		99	Blend	Bag
12-12-12	28016	11.56	12.11	11.34		97	Blend	Bag
13-13-13	26934	13.11	14.81	13.28		106	Blend	Bag
13-13-13	28840	13.39	12.95	13.43		101	Blend	Bag
14-03-14	28925	14.95	03.59	15.09	*	102	CM	Bulk
15-15-15	26936	11.79*	15.02	13.48*		89*	Blend	Bag
15-15-15	26956	14.53	15.42	15.34		100	Blend	Bag
15-15-15	27308	13.46*	15.89	14.40		97	Blend	Bag
15-15-15	27572	14.05	13.73*	14.44		93*	Blend	Bag
15-15-15	28175	14.12	14.97	15.41		98	Blend	Bag
15-15-15	28978	13.15*	13.58*	15.74		92*	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number Samples This Grade : 6								
Average Analysis :		13.51	14.76	14.80		95.1		
CV, %		7.24	6.26	5.71				
16-27-14	26551	15.29	27.96	14.51		100	Blend	Bag
17-11-17	28921	17.46	10.83	20.61		104	CM	Bulk
19-12-19	28926	19.98	13.59	19.93		101	CM	Bulk
19-13-20	28922	19.19	13.77	21.31		101	CM	Bulk
19-19-19	25838	19.06	17.95	19.11		98	Blend	Bag
19-19-19	25839	18.15	20.50	19.21		101	Blend	Bag
19-19-19	26155	18.27	20.56	18.14		100	Blend	Bag
19-19-19	26477	18.42	19.25	19.90		100	Blend	Bag
19-19-19	26931	18.28	18.70	20.03		99	Blend	Bag
19-19-19	27584	18.16	18.36	19.95		98	Blend	Bag
19-19-19	27676	18.96	20.24	18.94		100	CM	Bulk
19-19-19	27873	19.33	19.45	19.51		102	Blend	Bag
19-19-19	28178	16.84*	20.46	19.89		99	Blend	Bag
19-19-19	28708	17.26*	18.65	20.58		97	Blend	Bag
19-19-19	28834	15.78*	19.12	23.06		98	Blend	Bag
19-19-19	28841	18.24	19.61	19.33		100	Blend	Bag
19-19-19	28995	17.08*	18.95	21.86		99	Blend	Bag

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MILES FARM CENTER		SHELBYVILLE		KY				
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 13								
Average Analysis :		17.98	19.36	19.96		99.5		
CV, %		5.53	4.46	6.44				
21-12-19	28923	21.62	12.33	19.25	*	101	CM	Bulk
21-25-11	27672	20.08	28.16	10.20*		100	CM	Bulk
27-13-13	27674	26.65	14.15	14.48		100	CM	Bulk
27-13-13	27678	25.72	14.48	15.08		100	CM	Bulk
29-00-21	27673	28.23		23.14		99	CM	Bulk
30-05-10	25842+	26.48*	06.32	14.20		100	CM	Bag
30-10-10	27675	29.23	10.61	10.46		100	CM	Bulk
32-13-05	28924	32.21	14.10	06.01	*	99	CM	Bulk
34-00-00	29004	33.83				99	Mat	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		93.78	99.05	102.15				
ALL SAMPLES, CV, %		9.67	8.98	7.62				
NUMBER OF ANALYSIS		85	83	85				
Deficiency Rate -		41.86 %						
MILES FARM SUPPLY		CYNTHIANA		KY				
07-07-11	28573	08.61	07.01	17.03		123	CM	Bulk
08-06-10	28577	08.03	06.32	10.54		98	CM	Bulk
10-07-11	28578	10.45	08.62	11.35		98	CM	Bulk
10-10-10	28571	09.32	06.74*	10.50		85*	CM	Bulk
10-10-15	28575	10.36	09.18	15.78		99	CM	Bulk
10-10-15	28576	10.03	09.31	15.66		98	CM	Bulk
12-07-13	29017	11.66	07.25	15.11		100	CM	Bulk
14-00-28	28574	14.39		28.88		99	CM	Bulk
16-05-23	28579	15.64	05.40	24.71		102	CM	Bulk
19-19-19	28580	18.10	19.82	18.78		99	CM	Bulk
21-05-15	28572	21.78	05.41	14.49		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.78	94.39	105.28				
ALL SAMPLES, CV, %		4.49	11.61	14.56				
NUMBER OF ANALYSIS		11	10	11				
Deficiency Rate -		9.09 %						
MILES FARM SUPPLY		LEBANON		KY				
07-19-30	28990+	08.09	20.03	30.44		102	CM	Bulk
20-19-18	27888	19.70	20.57	18.51		101	CM	Bulk
27-07-18	27893	27.64	08.06	17.61		101	CM	Bulk
27-11-15	27889	27.94	11.77	14.86		101	CM	Bulk
27-11-15	27890	27.07	12.23	14.12		99	CM	Bulk
27-11-15	27891	28.25	11.55	14.56		101	CM	Bulk
27-11-15	27892	27.98	11.51	14.84		100	CM	Bulk
MILES FARM SUPPLY		OWENSBORO		KY				
00-00-22	26018+			22.18		100	Mat	Bulk
00-00-22	27774+			21.82		99	Mat	Bulk
00-00-22	27781+			21.88		99	Mat	Bulk
00-00-50	26086			51.44		102	Mat	Bulk
00-00-50	26171			51.58		103	Mat	Bulk
00-00-50	26981			51.35		102	Mat	Bulk
00-00-50	27143			50.79		101	Mat	Bulk
00-00-50	27214			51.30		102	Mat	Bulk
00-00-50	27776			51.04		102	Mat	Bulk
00-00-50	28050			51.52		103	Mat	Bulk
00-00-50	28139			52.34		104	Mat	Bulk
00-00-50	28140			51.25		102	Mat	Bulk
00-00-50	28232			51.32		102	Mat	Bulk
00-00-50	28381			50.62		101	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MILES FARM SUPPLY		OWENSBORO		KY				
Statistical Analysis for Grade : 00-00-50								
Number Samples This Grade : 11								
Average Analysis : .00 .00 51.32 102.6								
CV, % .00 .00 .87								
00-00-60	25823			60.97		101	Mat	Bulk
00-00-60	25874			60.52		100	Mat	Bulk
00-00-60	25961			61.09		101	Mat	Bulk
00-00-60	25984			60.19		100	Mat	Bulk
00-00-60	26013			61.59		102	Mat	Bulk
00-00-60	26084			61.13		101	Mat	Bulk
00-00-60	26144			61.18		101	Mat	Bulk
00-00-60	26161			61.22		102	Mat	Bulk
00-00-60	26170			61.23		102	Mat	Bulk
00-00-60	26276			61.10		101	Mat	Bulk
00-00-60	26493			61.11		101	Mat	Bulk
00-00-60	26502			60.56		100	Mat	Bulk
00-00-60	26577			61.33		102	Mat	Bulk
00-00-60	26622			60.88		101	Mat	Bulk
00-00-60	26690			60.78		101	Mat	Bulk
00-00-60	26840			60.98		101	Mat	Bulk
00-00-60	26978			60.67		101	Mat	Bulk
00-00-60	27216			60.52		100	Mat	Bulk
00-00-60	27530			60.84		101	Mat	Bulk
00-00-60	27772			60.27		100	Mat	Bulk
00-00-60	27782			60.73		101	Mat	Bulk
00-00-60	28380			60.81		101	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number Samples This Grade : 22								
Average Analysis : .00 .00 60.89 101.4								
CV, % .00 .00 .57								
00-46-00	26164		46.25			100	Mat	Bulk
00-46-00	26169		45.54			99	Mat	Bulk
03-00-00	26504+	02.86				95*	Mnfr	Bulk
03-00-00	27784+	02.76				92*	Mnfr	Bulk
09-23-30	27242	07.56*	20.39*	34.28		96*	CM	Bulk
09-23-30	27243	08.83	23.16	30.48		100	CM	Bulk
09-23-30	27244	08.49	22.35	31.21		99	CM	Bulk
09-23-30	27245	08.78	22.68	29.77		98	CM	Bulk
09-23-30	27246	08.59	22.61	29.99		98	CM	Bulk
09-23-30	27247	08.98	23.42	30.15		100	CM	Bulk
09-23-30	27248	08.86	23.40	30.58		101	CM	Bulk
09-23-30	27249	08.36	22.59	31.36		99	CM	Bulk
09-23-30	27250	09.19	23.92	29.91		102	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 9								
Average Analysis : 8.62 22.72 30.85 99.6								
CV, % 5.48 4.45 4.53								
10-34-00	27948	22.11	13.72*			83*	Mat	Liq
10-34-00	28844	12.49	31.53*			100	Mat	Liq
10-52-00	26500	10.80	51.42			100	Mat	Bulk
11-52-00	25986	10.97	52.43			100	Mat	Bulk
11-52-00	26017	11.28	52.36			101	Mat	Bulk
11-52-00	26113	10.74	51.98			99	Mat	Bulk
11-52-00	26279	11.24	52.20			100	Mat	Bulk
11-52-00	27217	10.72	51.83			99	Mat	Bulk
11-52-00	27775	10.70	51.70			99	Mat	Bulk
11-52-00	27785	10.88	52.17			100	Mat	Bulk
Statistical Analysis for Grade : 11-52-00								
Number Samples This Grade : 7								
Average Analysis : 10.93 52.09 .00 100.0								
CV, % 2.22 .51 .00								
18-46-00	25822	18.12	46.48			100	Mat	Bulk
18-46-00	25873	18.20	45.50			99	Mat	Bulk
18-46-00	25962	18.04	46.12			100	Mat	Bulk
18-46-00	26016	17.61	45.20			98	Mat	Bulk
18-46-00	26112	17.84	45.27			98	Mat	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MILES FARM SUPPLY		OWENSBORO		KY				
18-46-00	26143	18.12	46.19			100	Mat	Bulk
18-46-00	26162	17.80	45.94			99	Mat	Bulk
18-46-00	26173	17.92	46.11			100	Mat	Bulk
18-46-00	26275	17.98	45.97			99	Mat	Bulk
18-46-00	26492	17.66	45.48			98	Mat	Bulk
18-46-00	26501	17.32	45.54			98	Mat	Bulk
18-46-00	26576	17.64	45.35			98	Mat	Bulk
18-46-00	26605	17.87	45.03			98	Mat	Bulk
18-46-00	26620	17.79	45.50			98	Mat	Bulk
18-46-00	26624	18.10	45.50			99	Mat	Bulk
18-46-00	26692	17.79	45.98			99	Mat	Bulk
18-46-00	26842	18.19	45.80			100	Mat	Bulk
18-46-00	26979	18.22	46.09			100	Mat	Bulk
18-46-00	27529	17.78	45.21			98	Mat	Bulk
18-46-00	27773	17.56	45.53			98	Mat	Bulk
18-46-00	27783	17.80	45.84			99	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number Samples This Grade : 21								
Average Analysis :		17.87	45.69	.00		99.3		
CV, %		1.34	.85	.00				
19-19-19	27241	19.28	21.78	17.54*		102	CM	Bulk
20-00-00	25870+	19.74				96*	Mat	Bulk
28-00-00	26476	27.61				98	Mat	Liq
28-00-00	27367	28.00				100	Mat	Liq
28-00-00	27368	28.00				100	Mat	Liq
28-00-00	27525	27.95				99	Mat	Liq
28-00-00	27868	27.98				99	Mat	Liq
28-00-00	28233	27.55				98	Mat	Liq
Statistical Analysis for Grade : 28-00-00								
Number Samples This Grade : 6								
Average Analysis :		27.84	.00	.00		99.4		
CV, %		.75	.00	.00				
32-00-00	26693	31.50				98	Mat	Liq
34-00-00	25872	33.73				99	Mat	Bulk
34-00-00	25947	33.90				99	Mat	Bulk
34-00-00	25960	34.38				101	Mat	Bulk
34-00-00	26014	33.84				99	Mat	Bulk
34-00-00	26174	34.40				101	Mat	Bulk
34-00-00	26505	34.17				100	Mat	Bulk
34-00-00	26621	33.49				98	Mat	Bulk
34-00-00	26623	33.73				99	Mat	Bulk
34-00-00	26841	33.43				98	Mat	Bulk
34-00-00	27215	33.59				98	Mat	Bulk
34-00-00	27786	34.32				100	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number Samples This Grade : 11								
Average Analysis :		33.90	.00	.00		99.7		
CV, %		1.05	.00	.00				
46-00-00	25821	46.20				100	Mat	Bulk
46-00-00	25871	46.20				100	Mat	Bulk
46-00-00	25963	46.14				100	Mat	Bulk
46-00-00	25985	45.64				99	Mat	Bulk
46-00-00	26015	45.92				99	Mat	Bulk
46-00-00	26085	46.20				100	Mat	Bulk
46-00-00	26142	46.20				100	Mat	Bulk
46-00-00	26163	46.20				100	Mat	Bulk
46-00-00	26172	46.20				100	Mat	Bulk
46-00-00	26277	46.20				100	Mat	Bulk
46-00-00	26491	45.97				99	Mat	Bulk
46-00-00	26503	46.17				100	Mat	Bulk
46-00-00	26575	45.96				99	Mat	Bulk
46-00-00	26604	46.20				100	Mat	Bulk
46-00-00	26619	45.93				99	Mat	Bulk
46-00-00	26625	45.81				99	Mat	Bulk
46-00-00	26691	46.15				100	Mat	Bulk
46-00-00	26839	45.82				99	Mat	Bulk
46-00-00	26980	46.20				100	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MILES FARM SUPPLY		OWENSBORO		KY				
46-00-00	27218	45.80				99	Mat	Bulk
46-00-00	27528	45.23				98	Mat	Bulk
46-00-00	27771	45.96				99	Mat	Bulk
46-00-00	27780	45.94				99	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number Samples This Grade : 23								
Average Analysis :		46.01	.00	.00		100.0		
CV, %		.52	.00	.00				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.25	98.34	101.79				
ALL SAMPLES, CV, %		13.62	9.70	2.78				
NUMBER OF ANALYSIS		85	43	46				
Deficiency Rate -		5.69 %						
MILES FARM SUPPLY		UPTON		KY				
02-13-41	26765+	02.86	13.09	42.68		101	CM	Bulk
02-13-41	26766+	03.00	13.33	42.22		102	CM	Bulk
05-25-30	26761	05.58	25.01	31.09		99	CM	Bulk
06-28-27	26763	06.11	27.77	28.08		99	CM	Bulk
13-33-14	26760	12.94	33.13	15.47		98	CM	Bulk
19-19-19	26764	20.21	18.65	19.28		100	CM	Bulk
19-19-19	26768	18.75	19.64	19.91		100	CM	Bulk
26-14-14	26762	25.40	14.85	15.46		100	CM	Bulk
27-13-13	26759	25.96	13.80	15.42		99	CM	Bulk
27-13-13	26767	26.07	14.21	15.48		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.34	99.63	103.85				
ALL SAMPLES, CV, %		4.50	2.74	4.45				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
MILLER CHEMICAL & FERT. CORP.		HANOVER		PA				
20-10-20	28145+	19.53	10.27	20.02		99	Blend	Bag
MILLERSBURG FERTILIZER CO.		MILLERSBURG		KY				
00-00-50	28909			51.46		102	Mat	Bulk
13-04-29	28907	14.28	05.87	27.91		102	CM	Bulk
13-08-13	28905	13.71	08.52	11.02*		93*	CM	Bulk
13-08-13	28906	11.79*	07.58	13.21		92*	CM	Bulk
14-14-21	28904	15.12	14.94	20.32		101	CM	Bulk
15-04-14	28911	15.78	05.40	14.81		106	CM	Bulk
15-04-14	28912	14.83	04.92	14.00		99	CM	Bulk
18-46-00	28908	17.75	46.40			100	Mat	Bulk
19-02-21	28903	15.94*	04.05	19.24*		91*	CM	Bulk
20-12-20	28915	19.73	13.22	19.34		100	CM	Bulk
20-12-20	28916	19.35	13.91	19.29		100	CM	Bulk
22-11-11	28913	22.80	11.50	11.78		100	CM	Bulk
22-11-11	28914	22.52	11.56	12.41		101	CM	Bulk
34-00-00	28910	33.65				98	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.85	106.91	97.62				
ALL SAMPLES, CV, %		6.62	14.15	6.71				
NUMBER OF ANALYSIS		13	12	12				
Deficiency Rate -		21.42 %						
MILORGANITE DIVISION MMSD		MILWAUKEE		WI				
06-02-00	27194+	06.81	00.89*			97	Mat	Bag
MISSISSIPPI CHEMICAL CO LP		YAZOO CITY		MS				
34-00-00	25851	33.76				99	Mat	Bulk



ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
MONTYS PLANT FOOD		LOUISVILLE		KY				
02-15-15	26952	02.93	16.83	16.62		114	Mnfr	Liq
NA-CHURS/ALPINE SOLUTIONS		MARION		OH				
06-24-06	28083	06.14	25.86	05.92		105	Mnfr	Liq
09-18-09	28196	09.08	18.01	09.37		100	Mnfr	Liq
NORTHERN STAR MINERALS IN		NEW ALBANY		IN				
00-00-60	25948			60.96		101	Mat	Bulk
46-00-00	25949	46.20				100	Mat	Bulk
OLDFIELD, J.A. & SON		MIZE		KY				
00-00-50	27508			51.03		102	Mat	Bulk
00-00-60	27507			60.65		101	Mat	Bulk
00-46-00	27510		46.47			101	Mat	Bulk
05-10-15	27514	04.77	09.63	15.18		98	Blend	Bag
05-10-15	28606	05.25	10.52	14.99		102	Blend	Bag
06-12-12	26806	05.14*	10.75*	12.52		92*	Blend	Bag
09-18-27	27513	08.42	17.55	27.37		98	Blend	Bag
09-18-27	28608	08.35	17.28	27.90		99	Blend	Bag
10-10-10	26807	09.42	09.55	11.25		98	Blend	Bag
10-10-10	27517	09.28	09.86	10.79		98	Blend	Bag
10-10-10	28604	09.62	09.92	09.99		98	Blend	Bag
10-10-20	27518	10.27	21.39	19.20		135	Blend	Bag
12-12-12	27516	10.53*	11.28	12.99		94*	Blend	Bag
12-12-12	28607	12.33	12.36	11.93		102	Blend	Bag
15-15-23	28603	14.58	16.32	23.79		99	CM	Bulk
18-46-00	27505	17.27	45.72		*	98	Mat	Bulk
18-46-00	27506	17.30	45.71			98	Mat	Bulk
19-19-19	27493	18.87	19.48	19.05		100	CM	Bulk
19-19-19	27494	18.81	20.63	18.49		102	CM	Bulk
19-19-19	27495	18.58	19.47	19.47		100	CM	Bulk
19-19-19	27496	18.92	18.68	19.96		100	CM	Bulk
19-19-19	27497	18.56	19.87	18.99		100	CM	Bulk
19-19-19	27498	18.69	20.40	18.94		102	CM	Bulk
19-19-19	27499	18.26	19.52	19.56		100	CM	Bulk
19-19-19	27500	19.25	19.39	18.34		100	CM	Bulk
19-19-19	27501	18.39	18.60	18.93		97	CM	Bulk
19-19-19	27502	18.56	19.70	18.79		100	CM	Bulk
19-19-19	27503	18.92	20.16	17.99		101	CM	Bulk
19-19-19	27515	18.20	18.63	19.90		98	Blend	Bag
19-19-19	28605	17.63	19.77	19.35		99	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 13								
Average Analysis :								
		18.58	19.56	19.05		100.3		
		CV, %	2.20	3.29	3.07			
46-00-00	27504	45.91				99	Mat	Bulk
46-00-00	27511	45.79				99	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.46	102.95	101.19				
ALL SAMPLES, CV, %		4.29	20.86	3.83				
NUMBER OF ANALYSIS		29	28	27				
Deficiency Rate -		6.25 %						
PARRISH SHOP & SALES		HENDERSON		KY				
04-15-20	28261	04.57	14.67	22.28		100	CM	Liq
08-11-19	28260	09.38	11.08	20.88		104	CM	Liq
08-14-14	28060	09.16	14.99	13.67		100	CM	Liq
08-14-14	28061	09.00	15.08	14.39		101	CM	Liq
09-13-13	28057	10.00	13.90	13.23		98	CM	Liq
09-13-13	28058	10.22	13.90	14.27		101	CM	Liq
09-13-13	28059	10.43	13.77	13.09		99	CM	Liq
15-09-11	28320	15.38	08.49	12.32		98	CM	Liq

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
PCS SALES (USA) INC 10-34-00	27685	NORTHBROOK 10.19	IL 33.60			99	Mat	Liq
PICC 00-00-00	26227+	NEW YORK	NY				Mnfr	Bag
PLANT-WISE BIOSTIMULANT 10-10-10	25926	LOUISVILLE 09.71	KY 10.28	09.98		99	Blend	Bag
PLATTE CHEMICAL COMPANY 07-14-07	28864	FREMONT 07.41	NE 13.09	07.39		99	Mnfr	Liq
PLEASANT VIEW FARMS AGRI SERV. 05-14-39 10-26-26 17-15-20 17-15-20 17-17-17 17-17-17 17-18-17 19-16-21 20-18-12 23-16-16	27204+ 27127 26911 27588 25576 27523 27205 27128 27589 27522	SOUTH UNION 05.51 09.78 17.58 17.52 17.45 17.16 16.71 18.70 20.79 23.07	KY 14.94 25.33 16.00 15.05 17.37 17.68 17.66 17.16 18.05 16.37	41.20 27.80 20.44 20.55 17.89 18.65 18.74 22.85 12.77 16.69		101 99 102 100 98 99 97 101 100 99	CM CM CM CM CM CM CM CM CM CM	Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.37	98.99	104.39				
ALL SAMPLES, CV, %		2.46	2.58	1.62				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -	0.00 %							
C D POORE FERTILIZER 00-00-60 05-10-15 10-10-10 17-17-17 18-46-00 19-19-19 19-19-19 19-19-19 19-19-19 19-19-19 19-19-19 19-19-19 19-19-19 19-19-19 19-19-19 21-13-13 27-13-13 34-00-00 46-00-00 46-00-00	26109 27285 27284 27287 26111 27280 27281 27282 27283 27288 27289 27290 27347	ALBANY 05.02 10.18 18.09 17.52 18.77 18.58 18.38 18.46 18.51 18.44 18.40 18.83	KY 10.29 10.58 18.55 46.01 20.29 18.67 21.02 18.98 20.90 20.27 19.59 19.16	60.67 16.30 10.66 17.30 19.75 20.72 20.04 20.83 19.94 20.68 20.32 20.20		101 105 104 101 99 101 98 102 100 101 101 99 99	Mat Blend Blend CM Mat CM CM Blend CM CM CM CM	Bulk Bag Bag Bulk Bulk Bulk Bulk Bulk Bag Bulk Bulk Bulk Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :	8							
Average Analysis :		18.54	19.86	20.31		100.6		
CV, %		.91	4.47	1.96				
21-13-13 27-13-13 34-00-00 46-00-00 46-00-00	27291 27286 26108 26107 26110	23.26 26.26 33.36 46.20 46.20	14.62 14.54	11.43* 13.85		103 99 98 100 100	CM CM Mat Mat Mat	Bulk Bulk Bulk Bulk Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.57	103.05	102.77				
ALL SAMPLES, CV, %		3.25	3.70	5.96				
NUMBER OF ANALYSIS		17	14	14				
Deficiency Rate -	5.55 %							
PRICES MILL FARM 03-18-18 05-26-30 09-23-30	25783 25606 25670	FRANKLIN 04.24 05.48 09.03	KY 18.27 26.23 23.14	18.40 29.86 30.37		99 100 100	CM CM CM	Bulk Bulk Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
PRICES MILL FARM		FRANKLIN		KY				
09-23-30	25671	08.58	23.57	29.72		100	CM	Bulk
09-23-30	25672	08.64	23.72	30.01		100	CM	Bulk
09-23-30	27661	08.82	22.85	30.93		100	CM	Bulk
09-24-21	27779+	09.76	25.45	21.40		101	CM	Bulk
31-07-10	27660+	31.16	08.51	10.40		99	CM	Bulk
31-07-10	27777+	31.23	08.00	12.09		100	CM	Bulk
38-12-00	27778	38.45	12.26			99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.64	101.08	101.08				
ALL SAMPLES, CV, %		3.39	2.89	5.41				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate -		0.00 %						
PURSELL INDUSTRIES		SYLACAUGA		AL				
00-00-00	26510+	00.25	00.49	00.16		283	Mnfr	Liq
01-11-00	26520+	02.34	06.02*			70*	Mat	Bag
04-06-04	27203+	04.51	09.50	03.90		131	Mnfr	Bag
04-10-06	26391+	03.81	13.08	04.73*		112	Mnfr	Bag
05-03-03	26388+	04.57*	04.70	03.49		115	Mnfr	Bag
05-10-06	26516+	05.11	09.44	07.26		101	Mnfr	Bag
08-16-08	27197+	07.95	16.17	08.03		100	Mnfr	Liq
09-09-06	26523+	09.88	11.12	05.63		112	Mnfr	Bag
09-09-06	28685+	07.54*	08.52	07.81		95*	Mnfr	Bag
10-10-05	26509+	10.54	09.63	05.06		101	Mnfr	Liq
10-10-05	27196+	08.27*	08.10*	04.20*		82*	Mnfr	Liq
10-10-10	26385	13.68	08.02*	09.36		105	Mnfr	Bag
10-10-10	26389	13.40	13.50	12.95		133	Mnfr	Bag
10-10-10	26390	10.86	10.88	14.26		116	Mnfr	Bag
10-10-10	26729	10.03	09.72	09.63		98	Mnfr	Bag
10-10-10	27459+	13.59	13.05	13.04		132	Mnfr	Bag
10-10-10	27461	08.50*	09.64	10.88		94*	Mnfr	Bag
10-10-10	27787	07.94*	07.46*	08.63*		79*	Mnfr	Bag
10-10-10	27791	14.37	18.51	13.43		157	Mnfr	Bag
10-10-10	27794+	09.89	10.48	11.51		104	Mnfr	Bag
10-10-10	28683	12.82	14.47	14.34		137	Mnfr	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 10								
Average Analysis :		11.50	11.57	11.80		115.9		
CV, %		20.38	28.91	17.78				
11-40-06	27191+	12.70	38.68	03.59*		98	Mnfr	Bag
11-40-06	28353+	10.57	32.77*	08.30		91*	Mnfr	Bag
12-05-07	27788+	10.26*	06.75	08.70		104	Mnfr	Bag
12-06-06	26725+	16.39	07.14	07.34		129	Mnfr	Bag
12-10-05	26397+	12.49	10.41	06.04		105	Mnfr	Bag
13-13-13	28501+	13.92	12.69	13.93		103	Mnfr	Bag
14-07-07	26513+	13.66	06.12*	09.89		101	Mnfr	Bag
15-05-13	26396+	14.39	06.50	12.19		101	Mnfr	Bag
15-05-13	28684+	16.86	08.69	12.47		118	Mnfr	Bag
15-07-07	26726+	14.91	10.36	09.41		117	Mnfr	Bag
18-06-12	26508+	18.52	05.80	12.28		101	Mnfr	Bag
18-24-10	27462+	14.49*	21.87*	11.22		89*	Mnfr	Bag
20-27-05	27458+	19.69	25.74	06.36		98	Mnfr	Bag
28-03-04	26730	26.43	03.52	05.65		99	Mnfr	Bag
29-03-04	26723+	27.87	04.39	04.06		100	Mnfr	Bag
29-03-04	27790+	31.32	02.71	04.41		106	Mnfr	Bag
34-00-00	26386	31.98*				94*	Mnfr	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		103.23	104.62	112.20				
ALL SAMPLES, CV, %		19.66	30.41	29.87				
NUMBER OF ANALYSIS		38	37	36				
Deficiency Rate -		37.83 %						
RICH POND CROP SERVICE		BOWLING GREEN		KY				
07-18-36	27769	06.36*	16.98	37.98		97	CM	Bulk
11-22-22	27766	11.44	23.46	21.05		102	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
RICH POND CROP SERVICE		BOWLING GREEN		KY				
19-13-24	27768	17.99	14.46	24.86		99	CM	Bulk
31-09-12	27764	32.14	09.01	12.11		101	CM	Bulk
31-09-12	27767	31.90	08.90	11.19		99	CM	Bulk
32-08-11	27761	32.08	09.30	10.12*		99	CM	Bulk
38-12-00	27763	38.65	11.56			98	CM	Bulk
38-12-00	27765	38.16	12.27			99	CM	Bulk
38-12-00	27770	37.26	13.59			99	CM	Bulk
40-09-00	27762	39.34	10.35			100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.27	101.61	99.56				
ALL SAMPLES, CV, %		4.35	6.79	6.32				
NUMBER OF ANALYSIS		10	10	6				
Deficiency Rate -		20.00 %						
RINGER CORP.		BLOOMINGTON		MN				
07-07-07	27192+	07.67	08.60	06.70		111	Mnfr	Bag
RIPS FARM CENTER		TOLLESBORO		KY				
00-00-51	28887			51.41		100	Mat	Bulk
00-00-60	28886			60.90		101	Mat	Bulk
05-10-15	28805	04.38*	10.00	15.71		100	Blend	Bulk
05-10-15	28806	04.42*	09.80	14.97		97	Blend	Bulk
05-11-17	28892	05.45	11.47	18.16		100	CM	Bulk
06-12-19	28889	05.57*	11.80*	19.84		96*	CM	Bulk
06-12-19	28891	05.57*	12.20	20.20		98	CM	Bulk
06-13-21	28894	06.33	14.00	22.98		103	CM	Bulk
09-18-28	28893	09.27	19.01	29.41		101	CM	Bulk
09-18-28	28896	09.19	17.60	29.77		99	CM	Bulk
09-18-28	28897	09.38	19.14	28.28		99	CM	Bulk
15-09-14	28895	14.75	09.49	16.02		100	CM	Bulk
18-07-17	28888	16.58*	07.89	18.19		98	CM	Bulk
18-46-00	28885	17.26	45.77			98	Mat	Bulk
19-19-19	27974	17.97	19.30	19.00		98	CM	Bulk
19-19-19	28807	17.96	19.74	19.45		99	Blend	Bulk
21-12-19	28890	20.05	12.16	21.43		100	CM	Bulk
23-00-00	27975	22.01				95*	Blend	Bulk
46-00-00	28884	46.11				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.06	99.15	103.02				
ALL SAMPLES, CV, %		4.71	3.40	3.28				
NUMBER OF ANALYSIS		17	15	16				
Deficiency Rate -		31.57 %						
ROCKCASTLE FARM SUPPLY		MT VERNON		KY				
00-00-60	26531			60.80		101	Mat	Bulk
18-46-00	26530	17.33	46.30			99	Mat	Bulk
19-19-19	27827	19.44	20.07	20.25		104	CM	Bulk
19-19-19	27828	19.03	19.72	20.27		102	CM	Bulk
19-19-19	27829	19.11	17.83	18.39		97	CM	Bulk
19-19-19	27830	19.21	19.99	19.47		102	CM	Bulk
19-19-19	27831	19.72	20.61	19.19		104	CM	Bulk
19-19-19	27832	19.52	20.66	19.28		104	CM	Bulk
19-19-19	27834	18.80	18.45	19.91		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :		7						
Average Analysis :		19.26	19.61	19.53		102.4		
CV, %		1.64	5.49	3.42				
27-12-14	27833	27.68	11.97	14.31		99	CM	Bulk
46-00-00	26529	46.00				100	Mat	Bulk

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
ROCKCASTLE FARM SUPPLY		MT VERNON		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.46	102.26	102.35				
ALL SAMPLES, CV, %		2.12	5.17	3.01				
NUMBER OF ANALYSIS		10	9	9				
Deficiency Rate -		0.00 %						
<hr/>								
ROYSTER CLARK		FRANKLIN		KY				
10-25-19	25609+	11.42	24.18	18.45		98	CM	Bulk
10-25-25	27386+	09.89	25.70	26.02		99	CM	Bulk
10-26-26	27383	10.03	26.79	25.24		98	CM	Bulk
10-26-26	27387	10.14	26.56	25.74		99	CM	Bulk
11-17-30	27385+	10.58	17.40	31.52		98	CM	Bulk
12-19-26	27390+	11.91	20.54	27.00		99	CM	Bulk
14-23-11	27389+	14.37	23.86	12.05		101	CM	Bulk
14-23-12	27117+	14.55	24.00	12.83		102	CM	Bulk
16-16-12	27388+	16.04	17.23	13.95		101	CM	Bulk
17-13-13	27391+	17.28	14.14	13.81		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.58	100.74	100.80				
ALL SAMPLES, CV, %		3.87	2.76	4.12				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
<hr/>								
ROYSTER CLARK		GUTHRIE		KY				
00-23-30	25611		21.23*	32.66		99	CM	Bulk
08-28-22	25612	08.27	29.44	22.45		101	CM	Bulk
09-23-30	27223	08.86	23.68	30.64		101	CM	Bulk
12-32-17	25610	13.01	33.62	17.36		101	CM	Bulk
12-32-17	25613	13.09	33.28	16.79		100	CM	Bulk
14-23-20	27225	14.81	23.79	20.00		101	CM	Bulk
15-13-15	27224+	15.40	13.38	15.86		99	CM	Bulk
19-10-12	27222+	18.82	09.98	12.08		98	CM	Bulk
19-10-12	27226+	18.99	10.23	12.08		99	CM	Bulk
23-15-17	27221	22.90	16.76	17.77		101	CM	Bulk
31-11-10	28135	31.50	11.55	09.44		99	CM	Bulk
31-11-10	28138	30.65	11.55	10.31		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.33	100.92	101.75				
ALL SAMPLES, CV, %		2.08	3.78	3.49				
NUMBER OF ANALYSIS		11	12	12				
Deficiency Rate -		8.33 %						
<hr/>								
ROYSTER CLARK		ADAIRVILLE		KY				
04-13-09	28012+	05.23	14.77	10.56		108	CM	Bulk
09-23-31	25666	08.60	21.75	32.57		98	CM	Bulk
09-23-31	25667	08.38	21.72	32.45		98	CM	Bulk
09-28-22	25662	09.17	27.38	24.73		97	CM	Bulk
09-30-19	25690	09.84	30.46	21.27		100	CM	Bulk
10-27-24	25668	10.57	26.54	25.69		98	CM	Bulk
10-28-22	25661	09.53	28.03	23.53		98	CM	Bulk
10-30-19	25692	09.78	31.08	21.24		101	CM	Bulk
11-33-10	25665+	10.44*	31.62	11.48		97	CM	Bulk
21-15-20	27659	21.51	15.81	19.77		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.91	97.71	104.85				
ALL SAMPLES, CV, %		5.17	4.73	4.63				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
<hr/>								
ROYSTER CLARK		COLLINSVILLE		IL				
00-00-22	25981+			21.63		98	Mat	Bulk
00-00-50	28132			51.27		102	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
ROYSTER CLARK			COLLINSVILLE	IL				
00-00-60	25565			60.74		101	Mat	Bulk
00-00-60	25912			60.35		100	Mat	Bulk
00-00-60	25978			60.32		100	Mat	Bulk
00-00-60	26027			61.45		102	Mat	Bulk
00-00-60	26075			61.01		101	Mat	Bulk
00-00-60	28131			62.07		103	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number Samples This Grade : 6								
Average Analysis :								
		.00	.00	60.99		101.6		
CV, %								
		.00	.00	1.11				
00-00-62	26496			62.75		101	Mat	Bulk
00-00-62	26587			62.32		100	Mat	Bulk
00-00-62	27028			62.60		100	Mat	Bulk
00-46-00	27031		45.70			99	Mat	Bulk
05-20-20	26494+	05.24	20.48	19.08		100	Mnfr	Bulk
05-20-20	28136+	05.13	20.99	19.83		102	Mnfr	Bulk
06-12-18	26499	05.92	12.00	18.73		101	Mnfr	Bulk
06-12-18	28137	06.09	12.27	18.46		102	Mnfr	Bulk
06-12-18	28637	06.02	12.52	17.91		101	Mat	Bulk
09-27-00	28062	08.07*	26.16			95*	Mat	Liq
18-08-00	26026+	18.22	08.91			104	Mnfr	Bulk
18-08-00	26588+	16.54*	08.00			94*	Mnfr	Bulk
18-08-00	27030+	18.32	08.58			103	Mnfr	Bulk
18-46-00	25564	17.76	46.25			100	Mat	Bulk
18-46-00	25913	17.78	46.01			99	Mat	Bulk
18-46-00	25979	18.12	46.56			101	Mat	Bulk
18-46-00	26028	17.75	45.99			99	Mat	Bulk
18-46-00	26074	18.14	46.32			100	Mat	Bulk
18-46-00	26498	17.56	45.93			99	Mat	Bulk
18-46-00	26586	17.40	45.89			98	Mat	Bulk
18-46-00	27384	17.48	44.93			97	Mat	Bulk
18-46-00	28133	18.05	45.97			100	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number Samples This Grade : 9								
Average Analysis :								
		17.78	45.98	.00		99.6		
CV, %								
		1.54	.98	.00				
32-00-00	27003	32.00				100	Mat	Liq
32-00-00	27160	32.00				100	Mat	Liq
32-00-00	27235	32.00				100	Mat	Liq
32-00-00	28180	32.00				100	Mat	Liq
32-00-00	28181	32.00				100	Mat	Liq
Statistical Analysis for Grade : 32-00-00								
Number Samples This Grade : 5								
Average Analysis :								
		32.00	.00	.00		100.0		
CV, %								
		.00	.00	.00				
34-00-00	25563	33.64				98	Mat	Bulk
34-00-00	25911	33.36				98	Mat	Bulk
34-00-00	25980	33.57				98	Mat	Bulk
34-00-00	26025	33.74				99	Mat	Bulk
34-00-00	26073	33.94				99	Mat	Bulk
34-00-00	26495	33.82				99	Mat	Bulk
34-00-00	26585	33.98				99	Mat	Bulk
34-00-00	27032	34.50				101	Mat	Bulk
34-00-00	28134	34.50				101	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number Samples This Grade : 9								
Average Analysis :								
		33.89	.00	.00		99.6		
CV, %								
		1.15	.00	.00				
46-00-00	25910	46.20				100	Mat	Bulk
46-00-00	25982	46.12				100	Mat	Bulk
46-00-00	26076	46.20				100	Mat	Bulk
46-00-00	26497	45.86				99	Mat	Bulk
46-00-00	26584	45.91				99	Mat	Bulk
46-00-00	27029	46.17				100	Mat	Bulk

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
<b>ROYSSTER CLARK COLLINSVILLE IL</b>								
Statistical Analysis for Grade : 46-00-00								
Number Samples This Grade : 6								
Average Analysis : 46.07 .00 .00 100.1								
CV, % .33 .00 .00								
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 99.60 100.41 101.19								
ALL SAMPLES, CV, % 2.58 3.37 2.10								
NUMBER OF ANALYSIS 38 19 16								
Deficiency Rate - 4.00 %								
<b>ROYSSTER CLARK FANCY FARM KY</b>								
05-13-17	25696	05.88	13.59	18.52		105	CM	Bulk
05-13-17	25697	05.78	13.74	18.19		106	CM	Bulk
06-17-22	27405	06.30	16.67	22.60		97	CM	Bulk
09-23-30	26941	09.13	23.36	30.87		102	CM	Bulk
09-23-30	26943	08.42	21.76	32.61		99	CM	Bulk
09-23-30	27402	09.13	23.70	29.05		100	CM	Bulk
09-23-30	27403	08.26	22.19	30.24		97	CM	Bulk
09-23-30	27404	08.78	23.57	29.74		100	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 5								
Average Analysis : 8.74 22.91 30.50 99.8								
CV, % 4.56 3.84 4.44								
11-28-23	27401	10.77	28.63	22.57		99	CM	Bulk
21-15-20	26942	21.24	16.25	20.89		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 99.12 100.52 102.05								
ALL SAMPLES, CV, % 7.30 3.69 3.87								
NUMBER OF ANALYSIS 10 10 10								
Deficiency Rate - 0.00 %								
<b>ROYSSTER CLARK FLORENCE AL</b>								
05-08-21	27606+	05.00	08.20	21.68		102	Mnfr	Bulk
06-12-18	28507+	06.17	12.24	18.22		101	Mnfr	Bag
18-08-00	25717+	18.14	08.87			104	Mnfr	Bulk
<b>ROYSSTER CLARK FULTON KY</b>								
05-13-17	25775	06.31	13.72	17.78		107	CM	Bulk
08-18-24	28182+	08.17	18.33	24.48		100	CM	Bulk
09-23-11	27605	10.18	25.14	18.44		117	CM	Bulk
09-23-30	27604	08.67	23.06	29.64		99	CM	Bulk
18-13-17	28183+	18.46	12.58	18.88		99	CM	Bulk
<b>ROYSSTER CLARK HARDIN KY</b>								
09-23-30	27238	08.49	21.92	31.13		98	CM	Bulk
09-23-30	28110	08.63	22.72	29.90		98	CM	Bulk
09-23-30	28179	09.25	22.85	29.79		100	CM	Bulk
12-30-20	27236	11.47	30.13	20.55		98	CM	Bulk
12-30-20	27237	11.51	29.58	20.17		97	CM	Bulk
12-30-20	27239	11.30	29.42	21.04		97	CM	Bulk
12-30-20	28106	11.34	30.15	20.91		98	CM	Bulk
12-30-20	28111	11.70	31.02	19.70		99	CM	Bulk
Statistical Analysis for Grade : 12-30-20								
Number Samples This Grade : 5								
Average Analysis : 11.46 30.06 20.47 98.3								
CV, % 1.38 2.08 2.68								
18-17-17	27240	17.63	18.70	17.95		102	CM	Bulk
37-05-07	28112	36.54	05.61	07.55		99	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
ROYSTER CLARK		HARDIN		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.81	98.76	102.00				
ALL SAMPLES, CV, %		2.64	3.75	2.76				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
ROYSTER CLARK		MADISON		WI				
00-00-00	27978+						Mat	Bag
00-00-00	28302+						Mat	Bag
ROYSTER CLARK		MURRAY		KY				
05-10-17	25715+	06.59	11.60	16.80		109	CM	Bulk
05-10-18	25719+	06.22	08.84*	21.18		100	CM	Bulk
05-11-18	25716+	05.46	11.41	21.11		105	CM	Bulk
05-11-18	25718+	06.45	11.13	20.49		106	CM	Bulk
05-11-18	25720+	05.85	11.18	20.58		104	CM	Bulk
12-19-25	27618	12.59	19.34	26.53		100	CM	Bulk
19-13-18	27619	18.72	14.13	19.07		101	CM	Bulk
19-13-18	27620	18.50	13.69	19.24		100	CM	Bulk
19-13-18	27621	19.44	12.98	18.70		100	CM	Bulk
19-13-18	27622	18.78	13.31	19.43		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		102.25	98.25	107.26				
ALL SAMPLES, CV, %		9.84	7.94	4.55				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
ROYSTER CLARK		NORFOLK		VA				
00-00-00	26188+						Mat	Bag
ROYSTER CLARK		SEDALIA		KY				
07-18-17	25727	07.63	18.09	18.78		101	CM	Bulk
07-18-17	25728	07.71	19.04	18.38		103	CM	Bulk
07-18-17	25729	07.48	18.49	19.94		104	CM	Bulk
08-21-29	27155+	08.77	22.18	28.10		100	CM	Bulk
08-21-29	27156+	08.09	21.13	29.91		98	CM	Bulk
08-21-29	27157+	08.20	21.42	29.91		99	CM	Bulk
08-21-29	27158+	08.21	21.08	30.73		99	CM	Bulk
10-26-25	27153	09.56	25.22	27.57		98	CM	Bulk
10-26-25	27154	10.12	25.36	27.30		99	CM	Bulk
10-26-25	27159	09.59	24.51*	28.31		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.91	98.15	104.10				
ALL SAMPLES, CV, %		5.25	3.11	4.31				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
ROYSTER CLARK		UTICA		KY				
09-23-31	28085	09.88	25.38	27.82*		102	CM	Bulk
09-23-31	28087	08.83	23.09	31.52		100	CM	Bulk
09-23-31	28088	08.30	22.30	32.42		98	CM	Bulk
09-23-31	28089	09.36	24.72	29.18*		102	CM	Bulk
09-23-31	28090	08.88	23.86	30.54		100	CM	Bulk
Statistical Analysis for Grade : 09-23-31								
Number Samples This Grade : 5								
Average Analysis :		9.05	23.87	30.29		101.0		
CV, %		6.59	5.16	6.05				
10-25-26	28084	09.72	26.70	27.11		100	CM	Bulk
10-25-26	28086	10.17	27.32	25.88		101	CM	Bulk
10-25-26	28091	10.18	27.46	25.77		101	CM	Bulk
10-25-26	28092	09.39	24.72	28.92		98	CM	Bulk



ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
ROYSYER CLARK		UTICA		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.86	103.00	98.59				
ALL SAMPLES, CV, %		5.60	4.74	5.53				
NUMBER OF ANALYSIS		9	9	9				
Deficiency Rate -		22.22 %						
ROYSYER CLARK		WASHINGTON		CH	OH			
05-10-15	26366	02.70*	06.37*	07.74*		55*	Blend	Bag
05-10-15	26368	04.64	11.35	10.30*		86*	Blend	Bag
05-10-15	26756	04.68	11.04	14.57		100	Blend	Bag
05-10-15	28622	03.66*	08.92*	12.37*		83*	Blend	Bag
06-24-24	25806	05.44*	20.51*	29.60		98	Blend	Bag
06-24-24	26364	05.88	24.09	24.62		100	Blend	Bag
06-24-24	26369	07.15	22.84	26.86		103	Blend	Bulk
06-24-24	28623	06.96	21.38*	30.22		104	Blend	Bulk
09-23-30	28621	08.91	23.75	29.11		100	Blend	Bag
10-10-10	26757	07.87*	09.52	10.34		90*	Blend	Bag
10-10-10	28144	07.89*	10.59	10.07		93*	Blend	Bag
10-10-10	28509	08.55*	09.17	10.53		92*	Blend	Bag
12-12-12	26367	11.41	12.88	12.80		102	Blend	Bag
13-13-13	25805+	13.60	13.63	12.99		103	Mnfr	Bag
15-15-15	28508	12.34*	14.05	14.79		90*	Blend	Bag
19-19-19	26365	17.99	20.35	20.43		102	Blend	Bag
19-19-19	26370	20.51	18.96	18.28		102	Blend	Bulk
19-19-19	26758	17.96	19.76	21.11		101	Blend	Bag
19-19-19	27977	17.31*	19.42	20.99		99	Blend	Bag
19-19-19	28143	17.59	19.58	20.76		100	Blend	Bag
19-19-19	28624	18.44	19.32	19.87		100	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :		18.30	19.56	20.24		101.0		
CV, %		6.27	2.39	5.23				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		93.45	98.39	102.25				
ALL SAMPLES, CV, %		15.59	11.04	16.47				
NUMBER OF ANALYSIS		21	21	21				
Deficiency Rate -		47.61 %						
RUDOLPH FARM SUPPLY		SALEM		KY				
09-23-30	25789	08.66	22.36	32.33		100	CM	Bulk
09-23-30	27175	08.66	22.72	30.94		99	CM	Bulk
23-20-04	27176	23.48	21.47	04.77		101	CM	Bulk
23-36-00	27935	23.37	37.06			100	CM	Bulk
24-17-15	26995	24.55	18.01	16.73		104	CM	Bulk
24-17-15	27174	23.76	17.61	15.77		101	CM	Bulk
26-32-00	27934	25.75	33.05			100	CM	Bulk
27-11-15	27936	26.70	12.69	15.27		101	CM	Bulk
27-11-15	27938	26.50	12.05	15.73		99	CM	Bulk
32-00-00	27937	32.00				100	Mat	Liq
35-05-06	27939	35.82	07.18	06.67		103	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.62	102.68	105.86				
ALL SAMPLES, CV, %		1.95	6.32	3.31				
NUMBER OF ANALYSIS		11	10	8				
Deficiency Rate -		0.00 %						
RUSSELLVILLE CROP		RUSSELLVILLE		KY				
04-11-12	26909+	04.92	11.92	13.27		106	CM	Bulk
04-11-12	26910+	04.01*	10.51	12.57		95*	CM	Bulk
04-22-23	25621+	04.82	23.20	25.21		103	CM	Bulk
05-20-20	26012	04.87	19.20	21.62		99	Blend	Bag
06-12-12	26480	05.95	11.87	12.92		101	Blend	Bag
10-05-40	25574	09.88	06.50	38.98		101	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
RUSSELLVILLE CROP		RUSSELLVILLE		KY				
10-05-40	25575	09.49	06.76	38.78		101	CM	Bulk
10-26-17	27521+	10.30	26.06	17.06		97	CM	Bulk
11-28-23	27901	10.29	27.94	23.77		98	CM	Bulk
12-12-19	28141+	11.67	12.99	17.43*		94*	CM	Bulk
13-13-13	26562	11.70*	13.56	13.20		97	Blend	Bag
19-12-19	28142+	19.60	13.05	19.02		100	CM	Bulk
19-19-19	25620	19.34	18.49	18.28		97	CM	Bulk
19-19-19	26908	19.47	21.35	18.36		103	CM	Bulk
19-19-20	27520	19.07	18.73	20.46		99	CM	Bulk
24-13-17	27519	23.47	12.85	18.77		98	CM	Bulk
27-13-11	27903+	27.09	13.47	12.49		100	CM	Bulk
32-10-09	27904	32.34	10.64	09.00		99	CM	Bulk
38-13-00	27902	37.00	13.74			99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.26	101.29	99.97				
ALL SAMPLES, CV, %		5.11	10.47	5.72				
NUMBER OF ANALYSIS		19	19	18				
Deficiency Rate - 15.78 %								
SANDIDGE'S STORE		EUBANK		KY				
07-19-25	27712	08.19	19.98	26.82		102	CM	Bulk
19-19-19	27713	18.62	18.20	20.76		99	CM	Bulk
SCHOCHOH CROP SERVICE		RUSSELLVILLE		KY				
05-26-30	25663	05.12	24.66	32.23		99	CM	Bulk
05-27-27	25664	05.56	27.14	28.92		99	CM	Bulk
05-28-27	25637	05.83	28.48	27.21		99	CM	Bulk
05-28-27	25638	05.79	27.79	28.51		99	CM	Bulk
05-28-27	25639	05.62	27.80	28.84		100	CM	Bulk
05-28-27	25640	05.98	29.13	26.67		100	CM	Bulk
05-28-27	25641	05.54	27.37	28.71		99	CM	Bulk
05-28-27	25642	06.08	29.33	26.85		101	CM	Bulk
Statistical Analysis for Grade : 05-28-27								
Number Samples This Grade :		6						
Average Analysis :		5.80	28.31	27.79		100.3		
CV, %		3.54	2.80	3.57				
06-28-27	25643	05.69	27.77	28.38		99	CM	Bulk
07-27-27	25691	06.88	28.15	27.39		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.09	99.56	102.45				
ALL SAMPLES, CV, %		2.85	2.88	3.02				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate - 0.00 %								
SCHULTZ COMPANY		BRIDGETON		MO				
00-00-00	26290	00.79	00.18	00.34		487	Mnfr	Bag
00-00-00	26719	00.61	00.46	00.09		422	Mnfr	Bag
02-07-07	26129+	02.95	08.31	08.08		122	Mnfr	Liq
05-30-05	26126+	06.73	28.39	06.68		103	Mnfr	Liq
05-30-05	28351+	07.51	29.13	07.17		107	Mnfr	Liq
06-12-00	27471+	06.46	12.96			107	Mat	Bag
08-00-00	26050+	08.27				103	Mnfr	Liq
08-00-00	26230+	08.04				100	Mnfr	Liq
08-00-00	28499+	08.27				103	Mnfr	Liq
08-14-09	26131+	07.54	14.31	09.44		100	Mnfr	Liq
09-10-15	26044+	09.61	11.11	14.17		104	Mnfr	Liq
09-10-15	29002+	09.98	10.40	14.32		103	Mnfr	Liq
10-12-12	26229+	10.01	12.32	11.13		99	Mnfr	Liq
10-12-12	28500+	09.93	12.47	11.64		100	Mnfr	Liq
10-15-10	26054+	10.93	17.34	10.48		111	Mnfr	Liq
10-15-10	26130+	09.69	16.93	10.45		105	Mnfr	Liq
10-60-10	26042+	09.59	55.39*	10.33		93*	Mnfr	Bag
12-00-00	27470+	12.59				104	Mat	Bag
17-17-17	25940+	17.50	14.52*	17.18		95*	Mnfr	Bag

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
SCHULTZ COMPANY		BRIDGETON		MO				
17-17-17	26231+	17.61	15.87	17.88		100	Mnfr	Bag
18-06-12	26132+	18.65	06.40	12.18		103	Mnfr	Bag
19-31-17	27460+	19.07	30.74	17.55		100	Mnfr	Bag
20-01-02	27472	20.17	01.15	02.28		102	Mnfr	Liq
20-30-20	26043+	20.50	28.64	19.49		98	Mnfr	Bag
20-30-20	26049+	19.93	29.85	19.17		98	Mnfr	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		104.50	99.33	102.26				
ALL SAMPLES, CV, %		64.59	42.66	1.22				
NUMBER OF ANALYSIS		25	21	20				
Deficiency Rate -		8.69 %						
THE SCOTTS COMPANY		MARYSVILLE		OH				
18-09-18	27491+	18.16	12.09	19.28		110	Blend	Bag
25-03-10	27492+	26.47	03.69	12.26		110	Blend	Bag
SCOTTS MIRACLE-GRO PRODUCTS		MARYSVILLE		OH				
00-00-00	27943		00.10			200	Mnfr	Bag
04-12-04	25943	04.70	13.74	03.83		112	Mnfr	Bag
04-12-04	26392	04.38	13.10	04.05		108	Mnfr	Liq
04-12-04	28354	04.27	12.87	04.03		106	Mnfr	Liq
06-12-00	26522+	05.52*	10.80*			90*	Mat	Bag
06-12-00	27944+	06.48	12.75			106	Mat	Bag
07-07-07	26051+	07.76	07.62	06.77		107	Mnfr	Liq
09-18-18	26133+	10.01	19.27	19.30		108	Mnfr	Bag
10-52-10	25933+	10.93	54.45	11.10		105	Mnfr	Bag
15-10-09	26052	15.34	10.03	09.53		102	Mnfr	Bag
15-10-09	27201+	14.18	08.03*	13.22		98	Mnfr	Bag
15-13-13	26128+	16.45	12.80	13.11		103	Mnfr	Bag
19-26-06	26394+	21.47	26.40	05.34*		105	Mnfr	Bag
20-11-12	26515+	20.86	11.13	13.62		105	Mnfr	Bag
20-27-05	26056+	21.14	26.76	05.61		102	Mnfr	Bag
20-27-05	26728+	20.56	28.93	04.79		104	Mnfr	Bag
28-03-03	26945+	29.84	02.87	02.96		105	Mnfr	Bag
29-03-04	26727+	29.07	03.18	04.50		101	Mnfr	Bag
29-03-04	26946+	27.33	03.97	05.32		99	Mnfr	Bag
30-10-10	25934+	29.39	11.96	11.16		104	Mnfr	Bag
30-10-10	26057+	29.31	11.15	11.13		102	Mnfr	Bag
36-06-06	28798+	37.11	08.08	07.66		108	Mnfr	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		102.83	104.72	109.81				
ALL SAMPLES, CV, %		6.41	71.90	13.03				
NUMBER OF ANALYSIS		21	22	19				
Deficiency Rate -		14.28 %						
SCOTTS MIRACLE GRO PRODUCTS		PORT WASHINGT		NY				
00-00-00	26720	00.58	00.23	00.28		273	Mnfr	Bag
08-07-06	26226+	08.62	07.61	06.32		107	Mnfr	Liq
09-17-09	26294	10.28	18.63	10.19		111	Mnfr	Bag
18-18-21	28797+	16.34*	19.37	22.20		100	Mnfr	Bag
18-24-16	26225+	19.32	25.32	16.52		105	Mnfr	Bag
18-24-16	28352+	16.72	28.15	17.70		107	Mnfr	Bag
36-06-06	26058+	37.41	05.46	06.66		102	Mnfr	Bag
SCOTTS SIERRA HORT PROD		MARYSVILLE		OH				
09-06-06	25937+	09.97	07.53	07.23		117	Mnfr	Bag
10-26-10	28218+	10.35	25.80	11.67		102	Mnfr	Bag
14-14-14	25936+	14.14	13.62	14.40		100	Mnfr	Bag
14-14-14	27202+	13.94	14.05	14.24		100	Mnfr	Bag
19-06-12	25935+	19.55	06.61	13.30		105	Mnfr	Bag
20-10-05	27469+	21.17	11.51	05.27		108	Mnfr	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
SECURITY PRODUCTS 01-06-05	26518	PHOENIX 00.97	AZ 06.11	05.13		101	Mnfr	Liq
SHELLEY, W.H. GEN MERCHANDISE		HILLSBORO	KY					
00-00-50	28972			50.59		101	Mat	Bulk
00-00-62	28974			62.67		101	Mat	Bulk
15-03-05	28969	15.94	04.20	06.64		106	CM	Bulk
15-14-21	28970	14.12	13.43	23.58		101	CM	Bulk
18-46-00	28973	18.33	46.12			100	Mat	Bulk
34-00-00	28971	33.67				99	Mat	Bulk
46-00-00	28975	45.90				99	Mat	Bulk
THE SOLARIS GROUP 20-00-00	26395	MARYSVILLE 21.59	OH			107	Mnfr	Liq
SPECTRUM GROUP		ST LOUIS	MO					
12-26-06	26519+	11.69	25.20	07.39		99	Mnfr	Bag
12-26-06	28498+	12.05	27.59	04.76*		102	Mnfr	Bag
12-36-14	27456+	13.77	36.42	14.91		104	Mnfr	Bag
15-13-13	28795+	15.43	12.51	13.21		100	Mnfr	Bag
15-30-15	26134+	16.34	31.17	15.91		105	Mnfr	Bag
20-20-20	25941+	21.23	21.95	21.40		107	Mnfr	Bag
24-12-12	26512+	23.74	11.87	11.74		98	Mnfr	Bag
24-12-12	28681+	24.24	12.49	13.20		103	Mnfr	Bag
30-10-10	27457+	31.82	09.90	10.96		105	Mnfr	Bag
SPEED AG SERVICE		HICKMAN	KY					
00-00-60	25885			60.24		100	Mat	Bulk
05-13-16	25702	06.23	14.30	17.66		109	CM	Bulk
05-13-17	25705	05.81	13.27	18.81		106	CM	Bulk
06-16-21	25700	06.53	16.28	24.66		106	CM	Bulk
06-16-21	25701	06.39	15.53	24.32		103	CM	Bulk
06-16-21	25703	06.86	17.13	23.45		104	CM	Bulk
06-16-21	25704	06.97	16.74	23.64		104	CM	Bulk
08-22-29	27610+	07.90*	20.82*	32.53		98	CM	Bulk
09-23-30	25699	08.44	21.91	32.41		99	CM	Bulk
13-14-25	27607+	14.36	14.88	23.89		99	CM	Bulk
16-14-19	27611+	16.54	14.82	20.22		99	CM	Bulk
17-09-24	27608	17.36	10.45	23.43		102	CM	Bulk
18-46-00	25888	18.12	46.45			100	Mat	Bulk
32-00-00	27609	32.00				100	Mat	Liq
34-00-00	25886	33.59				98	Mat	Bulk
46-00-00	25887	46.00				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.52	100.02	105.59				
ALL SAMPLES, CV, %		7.50	5.81	6.05				
NUMBER OF ANALYSIS		15	12	12				
Deficiency Rate -	6.25 %							
SQM NORTHAMERICA		ATLANTA	GA					
00-00-00	27146+						Mat	Bag
00-00-00	28015+						Blend	Bag
15-00-14	28783	14.29		14.00		97	Mnfr	Bag
15-00-14	29022	14.67		15.14		103	Mnfr	Bag
16-00-00	28782	15.82				98	Mat	Bag
16-00-00	29001	15.68				98	Mat	Bag
20-20-20	28146+	18.32*	19.07	23.88		102	Mnfr	Bag
S.S. BARDSTOWN		BARDSTOWN	KY					
00-17-36	28669		17.08	37.40		99	CM	Bulk
07-19-33	27484+	06.73*	18.04	34.01		96*	CM	Bulk
09-23-30	28246	08.91	23.53	30.01		100	CM	Bulk
09-23-30	28247	08.86	23.48	30.26		100	CM	Bulk
09-23-30	28248	08.60	24.14	29.39		100	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. BARDSTOWN		BARDSTOWN		KY				
09-23-30	28249	08.44	23.12	30.72		99	CM	Bulk
14-10-13	27483	13.82	11.23	13.35		101	CM	Bulk
19-00-28	28243	19.65		29.20		101	CM	Bulk
19-19-19	28245	20.03	19.84	19.01		101	CM	Bulk
19-19-19	28250	19.43	20.92	18.55		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.52	101.88	100.35				
ALL SAMPLES, CV, %		4.26	5.16	2.18				
NUMBER OF ANALYSIS		9	9	10				
Deficiency Rate -		10.00 %						
S.S. KY SVC TRIMBLE BR		BEDFORD		KY				
06-12-19	28940	06.59	11.92	20.75		102	CM	Bulk
07-18-36	28553	07.26	18.26	36.26		100	CM	Bulk
10-26-26	27689	09.96	26.09	26.33		99	CM	Bulk
10-26-26	27693	09.66	26.11	25.96		98	CM	Bulk
13-11-17	28555	12.47	12.03	17.56		100	CM	Bulk
14-14-14	28554	14.07	14.96	14.78		100	CM	Bulk
21-12-19	28941	22.39	13.64	18.69		102	CM	Bulk
22-11-18	28939	21.81	12.18	18.74		101	CM	Bulk
22-12-17	28552+	21.26	13.89	18.68		102	CM	Bulk
27-13-13	27690	26.03	14.68	14.87		101	CM	Bulk
27-13-13	27694	26.88	13.94	15.05		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.95	103.02	102.73				
ALL SAMPLES, CV, %		3.84	5.28	3.86				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
S.S. BOWLING GREEN		BOWLING GREEN		KY				
15-07-31	26664	14.61*	08.25	33.23		100	CM	Bulk
17-08-30	26666	16.84	08.96	31.37		100	CM	Bulk
18-18-18	26459	17.43	17.54	21.85		99	CM	Bulk
19-19-19	26408	18.74	18.81	20.88		99	CM	Bulk
19-19-19	26667	19.59	21.18	18.34		102	CM	Bulk
19-19-19	26668	18.66	19.71	21.21		101	CM	Bulk
21-22-14	26410	21.02	23.99	13.68		101	CM	Bulk
21-22-14	26460	21.47	23.04	13.67		100	CM	Bulk
24-13-17	26665	23.65	13.67	18.63		100	CM	Bulk
25-14-14	26409	25.38	13.97	15.34		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.07	102.58	104.94				
ALL SAMPLES, CV, %		3.12	4.70	7.39				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
SS COOP BRANDENBURG SERVICE		BRANDENBURG		KY				
03-03-05	28696	03.81	04.28	05.29		106	CM	Bulk
07-19-33	27136	07.28	19.68	34.42		99	CM	Bulk
17-20-20	27131	17.49	21.53	20.67		101	CM	Bulk
18-12-21	28697	18.55	12.50	21.54		100	CM	Bulk
19-19-19	27129	20.02	19.75	19.08		101	CM	Bulk
20-15-20	27132	20.15	16.62	20.66		101	CM	Bulk
24-24-08	27134	24.24	25.44	08.21		100	CM	Bulk
24-24-08	27135	24.27	25.32	08.39		100	CM	Bulk
30-19-05	27130	29.56	19.40	05.24		98	CM	Bulk
34-08-08	27137	34.05	08.90	08.82		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.12	102.48	100.40				
ALL SAMPLES, CV, %		2.43	7.67	1.91				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP INC 10-10-10	27549	BRISTOL 10.41	VA 10.91	10.33		105	Blend	Bag
S.S. CADIZ BRANCH		CADIZ	KY					
05-16-16	25771	06.56	17.07	17.04		104	CM	Bulk
05-16-16	25772	06.35	15.70	17.91		101	CM	Bulk
05-16-16	25773	06.72	17.11	18.35		107	CM	Bulk
05-16-16	25774	06.47	16.55	18.31		104	CM	Bulk
14-38-10	26452	14.50	37.38	10.19		97	CM	Bulk
21-14-21	26857	20.83	14.30	21.42		99	CM	Bulk
25-15-15	26451	24.68	15.75	14.93		99	CM	Bulk
25-15-15	26779	24.30	16.85	15.65		102	CM	Bulk
25-15-15	26780	24.23	15.92	15.91		100	CM	Bulk
25-15-15	26781	24.12	16.51	15.86		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.75	102.38	104.94				
ALL SAMPLES, CV, %		6.86	4.82	4.12				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -	0.00 %							
SS COOP CALHOUN SERVICE		CALHOUN	KY					
00-23-30	25678		16.97*	38.56		97	CM	Bulk
00-23-30	25679		27.14	25.68*		103	CM	Bulk
00-23-30	25680		21.05*	33.29		100	CM	Bulk
00-23-30	25760		23.63	30.54		102	CM	Bulk
00-23-30	25785		23.26	30.97		102	CM	Bulk
00-23-30	25786		21.71	33.27		101	CM	Bulk
00-23-30	28318		23.14	31.63		102	CM	Bulk
Statistical Analysis for Grade : 00-23-30								
Number Samples This Grade : 7								
Average Analysis :								
		.00	22.41	31.99		101.4		
CV, %								
		.00	42.42	12.07				
05-14-19	25759	05.94	14.94	18.24		98	CM	Bulk
05-14-19	25761	06.13	14.77	20.34		102	CM	Bulk
05-14-19	25762	06.37	14.58	20.99		103	CM	Bulk
06-15-39	28319	05.44*	14.56	41.30		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		102.05	97.69	105.45				
ALL SAMPLES, CV, %		8.06	10.72	10.16				
NUMBER OF ANALYSIS		4	11	11				
Deficiency Rate -	36.36 %							
S.S. CAMPBELLSBURG BR		CAMPBELLSBURG	KY					
10-10-15	28546	10.79	11.19	15.77		102	CM	Bulk
10-10-16	28705	10.91	11.04	16.33		101	CM	Bulk
11-10-15	28545	10.88	11.09	15.35		99	CM	Bulk
14-06-00	28547	13.98	06.37			97	CM	Bulk
16-12-18	28543	16.57	12.62	19.69		101	CM	Bulk
16-12-18	28544	16.66	13.23	18.98		101	CM	Bulk
18-11-17	28701	18.47	12.85	16.79		100	CM	Bulk
18-11-17	28702	17.61	11.35	18.47		101	CM	Bulk
25-07-09	28703	25.01	08.40	10.60		100	CM	Bulk
25-07-09	28706	25.04	08.08	10.33		99	CM	Bulk
25-07-10	28704	25.22	08.35	10.48		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.65	103.71	101.74				
ALL SAMPLES, CV, %		1.81	4.40	3.68				
NUMBER OF ANALYSIS		11	11	10				
Deficiency Rate -	0.00 %							
S.S. CAMPBELLSVILLE BRANCH		CAMPBELLSVILLE	KY					
17-17-17	28327	17.16	19.64	17.10		101	CM	Bulk
25-06-10	28773+	24.78	07.39	11.44		102	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. CAMPBELLSVILLE BRANCH CAMPBELLSVILLE KY								
25-06-10	28774+	24.26	07.25	11.10		100	CM	Bulk
25-06-10	28775+	24.91	06.83	11.25		101	CM	Bulk
25-06-10	28776+	24.52	07.01	10.99		100	CM	Bulk
S.S. OWINGSVL CARLISLE SERVICE CARLISLE KY								
06-12-18	28469	05.90	11.82	19.10		97	CM	Bulk
06-12-19	28464	06.33	12.41	19.29		98	CM	Bulk
06-12-19	28468	06.53	12.83	19.15		100	CM	Bulk
06-13-20	28465	06.55	13.66	20.59		99	CM	Bulk
13-14-26	28902	12.77	14.41	27.59		100	CM	Bulk
14-10-15	28462	14.35	10.84	15.20		102	CM	Bulk
19-10-16	28463	19.23	10.82	16.68		100	CM	Bulk
19-10-16	28467	19.29	10.85	16.70		100	CM	Bulk
23-11-17	28470	22.78	11.39	18.05		99	CM	Bulk
24-11-16	28466	24.43	11.63	16.52		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.29	99.90	101.48				
ALL SAMPLES, CV, %		2.77	4.04	1.44				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
S.S. CLAY SERVICE CLAY KY								
09-23-30	28054	09.25	22.84	29.95		100	CM	Bulk
09-23-30	28055	09.00	23.29	29.98		100	CM	Bulk
09-23-30	28056	09.25	23.67	29.28		101	CM	Bulk
12-15-31	27925	12.54	16.97	31.12		102	CM	Bulk
19-19-19	27926	18.88	20.20	19.22		100	CM	Bulk
19-19-19	27927	19.28	20.01	18.34		99	CM	Bulk
S.S. GRN RVR SVC ADAIR CO BR COLUMBIA KY								
00-17-37	26870		16.86	38.49		101	CM	Bulk
12-24-24	26876	11.98	25.13	25.18		101	CM	Bulk
19-19-19	26871	18.83	18.99	20.59		99	CM	Bulk
19-19-19	26872	18.84	19.47	20.72		100	CM	Bulk
19-19-19	26873	19.31	19.97	19.59		101	CM	Bulk
19-19-19	26874	19.62	19.54	19.89		101	CM	Bulk
19-19-19	26875	18.61	21.05	19.93		102	CM	Bulk
19-19-19	26877	18.95	20.52	19.76		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :		19.02	19.92	20.08		101.1		
CV, %		1.94	3.79	2.30				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.14	102.36	103.65				
ALL SAMPLES, CV, %		1.81	3.47	1.90				
NUMBER OF ANALYSIS		7	8	8				
Deficiency Rate -		0.00 %						
SS LEXINGTON COOP-CYN BRANCH CYNTHIANA KY								
00-00-52	28409+			52.44		100	CM	Bulk
00-00-52	28418			52.85		101	CM	Bulk
02-06-09	29030	14.22	06.56	10.06		160	CM	Bulk
08-03-26	29029	09.36	03.48	26.97		104	CM	Bulk
09-17-27	28416	08.50	17.62	28.64		100	CM	Bulk
18-06-19	28411	17.57	06.78	20.68		100	CM	Bulk
18-06-20	28417	17.60	07.03	20.45		100	CM	Bulk
19-19-19	26631	18.39	20.60	20.24		101	CM	Bulk
22-00-30	28415	21.29		32.19		99	CM	Bulk
24-00-14	28414	23.77		14.54		99	CM	Bulk
25-07-17	28410	24.81	07.40	17.84		100	CM	Bulk
31-00-15	28419	31.79		15.07		100	CM	Bulk
35-00-11	28412	35.68		11.31		100	CM	Bulk
35-00-11	28413	34.68		11.82		99	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P205	K2O	XS CL	RV	TYPE	FORM
SS LEXINGTON COOP-CYN BRANCH		CYNTHIANA	KY					
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		102.74	103.33	102.47				
ALL SAMPLES, CV, %		30.50	5.92	1.66				
NUMBER OF ANALYSIS		12	7	14				
Deficiency Rate -		0.00 %						
S.S. BOYLE BRANCH		DANVILLE	KY					
09-18-27	28527	07.42*	13.58*	27.62		89*	CM	Bulk
11-11-27	28521	10.80	09.92*	27.73		96*	CM	Bulk
15-15-23	28528	14.03	14.05*	23.54		95*	CM	Bulk
16-00-24	28522	16.85		25.58		101	CM	Bulk
S.S. HARDIN		ELIZABETHTOWN	KY					
00-26-26	28116		25.92	26.75		100	CM	Bulk
05-23-23	27668	05.88	21.46*	24.30		97	CM	Bulk
06-31-18	27906	06.40	31.09	19.47		98	CM	Bulk
10-22-28	28231	09.63	21.96	29.47		98	CM	Bulk
11-28-23	27670	10.53	28.01	24.28		99	CM	Bulk
19-19-19	27669	18.94	19.80	19.48		100	CM	Bulk
19-19-19	28115	18.98	19.00	19.62		98	CM	Bulk
19-19-19	28117	18.74	20.26	19.21		100	CM	Bulk
25-15-15	28120	24.80	15.57	14.94		99	CM	Bulk
28-14-11	28118	27.77	15.00	11.74		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.46	98.92	102.62				
ALL SAMPLES, CV, %		3.50	3.96	2.38				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate -		10.00 %						
SS RUSSELLVILLE/TODD BRANCH		ELKTON	KY					
08-22-22	27209+	08.26	22.15	22.09		97	CM	Bulk
08-22-22	27210+	08.17	22.56	22.37		98	CM	Bulk
08-22-22	27211+	08.19	21.97	23.08		97	CM	Bulk
08-22-22	27212+	08.46	22.61	23.23		100	CM	Bulk
09-23-30	25619	08.70	23.36	30.22		100	CM	Bulk
13-34-15	25618	12.38	34.10	16.31		98	CM	Bulk
19-19-19	27206	18.27	18.29	20.48		97	CM	Bulk
19-19-19	27208	18.86	18.28	19.75		97	CM	Bulk
24-13-17	27207	23.51	13.10	17.80		97	CM	Bulk
26-32-00	27213	25.03	33.03			98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		94.14	98.97	103.03				
ALL SAMPLES, CV, %		1.90	2.32	2.87				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate -		0.00 %						
SSCINC-KENTUCKIANA SV		EMINENCE	KY					
04-11-43	26711+	04.42	11.18	43.94		101	CM	Bulk
07-19-31	26713+	07.17	19.50	32.47		100	CM	Bulk
15-09-14	28928	14.45	09.17	16.97		101	CM	Bulk
17-12-18	28929	16.67	11.80	19.31		98	CM	Bulk
17-12-18	28930	16.83	12.06	20.18		101	CM	Bulk
19-19-19	26712	18.55	20.00	19.88		100	CM	Bulk
19-19-19	28157	18.49	19.76	19.38		99	CM	Bulk
25-08-18	28154+	24.22	07.87	20.24		97	CM	Bulk
25-08-18	28155+	24.34	08.30	19.55		98	CM	Bulk
27-07-13	28931+	27.34	07.83	14.30		99	CM	Bulk
27-10-12	28156+	27.04	10.66	13.06		99	CM	Bulk
27-11-12	28158	26.41	12.06	13.48		99	CM	Bulk
29-12-12	26704	27.80	12.95	13.52		100	CM	Bulk
31-09-12	28159	30.01	09.05	12.57		97	CM	Bulk



ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
SSCINC-KENTUCKIANA SV		EMINENCE		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.16	99.55	104.88				
ALL SAMPLES, CV, %		2.28	4.38	3.83				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate -		0.00 %						
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SS LEXINGTON COOP-PEND BRANCH		FALMOUTH		KY				
04-09-14	28643	04.75	09.84	14.61		102	CM	Bulk
06-17-30	28960+	06.23	17.27	32.08		102	CM	Bulk
09-18-27	28646	08.75	18.68	27.97		101	CM	Bulk
09-18-27	28961	08.60	18.90	27.49		100	CM	Bulk
10-06-10	28645	10.15	07.05	10.63		100	CM	Bulk
11-08-12	28641	10.90	08.82	13.28		101	CM	Bulk
15-10-21	29028	14.18*	09.98	23.07		99	CM	Bulk
16-12-18	28959	16.56	12.31	20.27		102	CM	Bulk
17-00-00	28642	16.94				99	CM	Bulk
17-12-18	28958	16.90	11.99	19.42		99	CM	Bulk
19-13-06	28644	19.36	12.91	06.34		97	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.88	100.37	103.47				
ALL SAMPLES, CV, %		3.14	3.48	4.16				
NUMBER OF ANALYSIS		11	10	10				
Deficiency Rate -		9.09 %						
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S.S. FLEMINGSBURG		FLEMINGSBURG		KY				
08-08-11	28297	08.32	08.61	12.20		102	CM	Bulk
12-09-13	28880	13.66	09.70	16.11		108	CM	Bulk
14-09-10	28874	14.63	10.10	10.95		102	CM	Bulk
15-02-12	28879	15.33	04.86	13.87		111	CM	Bulk
19-00-20	28876	19.29		22.00		101	CM	Bulk
19-19-19	28294	18.53	19.61	19.05		98	CM	Bulk
19-19-19	28296	18.29	19.83	19.35		98	CM	Bulk
20-11-19	28878	17.35*	11.66	24.69		104	CM	Bulk
20-13-19	28877	19.73	13.41	20.39		101	CM	Bulk
21-09-13	28875	20.85	09.76	14.01		100	CM	Bulk
32-09-09	28299	32.47	09.99	09.00*		99	CM	Bulk
33-07-09	28301	32.82	07.76	09.56		97	CM	Bulk
33-09-09	28298	32.33	09.46	09.48		98	CM	Bulk
33-09-09	28300	32.36	09.21	09.88		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.76	103.44	106.45				
ALL SAMPLES, CV, %		4.98	16.19	7.51				
NUMBER OF ANALYSIS		14	13	14				
Deficiency Rate -		14.28 %						
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S.S. ANDRSN-FRANKLN SVC		FRANKFORT		KY				
05-11-16	28946	05.63	06.84*	19.44		95*	CM	Bulk
12-01-13	28944	12.76	02.19	13.95		104	CM	Bulk
12-01-14	29025	12.19	02.62	15.24		103	CM	Bulk
12-09-14	28945	12.40	07.57*	15.63		97	CM	Bulk
17-12-18	28943	17.54	11.36*	20.31		101	CM	Bulk
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S.S. SIMPSON		FRANKLIN		KY				
00-16-37	27380+		18.53	35.21*		101	CM	Bulk
06-26-26	25607	05.80	25.71	25.91		98	CM	Bulk
06-26-26	25608	06.12	26.28	26.82		101	CM	Bulk
06-27-24	27381	05.45*	28.27	23.79		99	CM	Bulk
09-23-30	25673	08.32	22.81	30.79		99	CM	Bulk
09-25-27	25669	09.53	24.92	27.84		99	CM	Bulk
10-26-24	27382+	09.21*	25.36	26.32		97	CM	Bulk
18-12-16	27055	18.36	12.74	18.17		100	CM	Bulk
19-13-17	27054	18.95	13.14	18.21		99	CM	Bulk
22-14-18	25677	21.88	14.57	19.99		100	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. SIMPSON		FRANKLIN		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.83	100.24	101.86				
ALL SAMPLES, CV, %		4.18	3.90	4.00				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate -		30.00 %						
S.S. GEORGETOWN		GEORGETOWN		KY				
00-00-56	29016+			56.93		100	CM	Bulk
04-03-03	28427	05.04	04.31	03.70		109	CM	Bulk
09-00-10	28626	09.55		10.78		99	CM	Bulk
12-00-14	28631+	12.53		16.19	*	103	CM	Bulk
13-04-15	28625+	17.07	13.61	06.46*		103	CM	Bulk
14-04-26	28480	14.22	04.10	28.16		101	CM	Bulk
19-00-17	28428+	19.08		17.40		100	CM	Bulk
19-13-19	28629	19.47	13.27	19.83		100	CM	Bulk
27-00-22	28627+	27.89		22.31		100	CM	Bulk
27-00-22	28628+	27.43		22.26		99	CM	Bulk
30-00-19	28630+	29.71		19.73		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.68	137.42	97.51				
ALL SAMPLES, CV, %		8.10	59.69	19.31				
NUMBER OF ANALYSIS		10	4	11				
Deficiency Rate -		9.09 %						
S.S. GLASGOW		GLASGOW		KY				
07-18-31	26438	07.39	19.43	31.18		102	CM	Bulk
08-13-33	26186	09.36	12.78	35.06		101	CM	Bulk
12-24-24	26437	12.10	23.72	25.17		99	CM	Bulk
17-17-17	26439	17.13	17.86	17.69		100	CM	Bulk
18-11-17	28758	18.46	11.79	17.81		101	CM	Bulk
19-19-19	26185	19.85	20.71	18.34		102	CM	Bulk
19-19-19	26411	18.31	20.40	20.23		101	CM	Bulk
19-19-19	26412	18.10	20.26	20.31		100	CM	Bulk
19-19-19	26413	18.29	20.19	20.09		100	CM	Bulk
19-19-19	26414	18.75	19.99	20.11		101	CM	Bulk
19-19-19	26440	18.54	19.82	19.72		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :		6						
Average Analysis :		18.64	20.22	19.80		100.9		
CV, %		3.40	1.54	3.75				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.72	103.02	102.27				
ALL SAMPLES, CV, %		3.82	3.70	3.25				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
S.S. GREEN CO SVC		GREENSBURG		KY				
17-17-17	26224	17.32	18.04	18.57		100	CM	Bulk
17-17-17	26427	17.46	19.30	17.35		102	CM	Bulk
17-17-17	26429	18.14	18.69	16.74		101	CM	Bulk
17-17-17	26430	17.89	19.76	16.57		103	CM	Bulk
17-17-17	26432	17.70	18.47	17.65		101	CM	Bulk
17-17-17	26433	17.35	19.28	17.54		101	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number Samples This Grade :		6						
Average Analysis :		17.64	18.92	17.40		101.6		
CV, %		1.85	3.35	4.12				
19-19-19	26223	19.52	19.03	20.70		101	CM	Bulk
19-19-19	26428	19.59	19.89	18.90		100	CM	Bulk
19-19-19	26431	19.38	20.43	19.22		101	CM	Bulk
19-19-19	26894	18.60	17.63*	21.86		98	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. GREEN CO SVC		GREENSBURG		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.94	103.25	101.79				
ALL SAMPLES, CV, %		1.83	5.52	6.07				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
<hr/>								
S.S. GREENVILLE		GREENVILLE		KY				
08-21-28	27357	07.73	21.52	27.72		97	CM	Bulk
19-16-16	27351	18.58	15.90	16.73		98	CM	Bulk
19-16-16	27352	18.76	16.83	16.16		100	CM	Bulk
19-16-16	27355	18.57	16.57	16.46		99	CM	Bulk
19-16-16	27356	19.49	14.32*	16.56		97	CM	Bulk
19-19-19	27353	19.64	18.94	18.91		99	CM	Bulk
19-19-19	27354	17.86	20.03	21.11		100	CM	Bulk
19-19-19	27360	18.05	19.37	20.22		98	CM	Bulk
21-15-20	27358	19.85	16.07	20.90		99	CM	Bulk
21-15-20	27359	20.29	16.04	21.15		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.96	100.54	102.82				
ALL SAMPLES, CV, %		3.54	4.81	3.18				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
<hr/>								
SS HARDIN COOP HODGENVILLE BR		HODGENVILLE		KY				
00-22-30	26850		23.12	30.43		101	CM	Bulk
00-23-25	27861+		22.82	26.20		99	CM	Bulk
00-26-25	26852		26.49	26.88		102	CM	Bulk
17-19-21	27667	18.04	18.33	20.82		97	CM	Bulk
19-19-19	27671	20.04	18.14	19.64		99	CM	Bulk
19-23-15	27860	19.15	22.87	15.78		97	CM	Bulk
19-23-16	27862	19.42	22.44	15.53		97	CM	Bulk
21-14-19	27859	20.76	13.80	21.10		97	CM	Bulk
21-16-19	26851	21.71	17.03	19.76		102	CM	Bulk
30-12-10	27077	28.95	12.93	11.86		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.19	97.94	102.16				
ALL SAMPLES, CV, %		3.42	4.12	4.76				
NUMBER OF ANALYSIS		7	10	10				
Deficiency Rate -		0.00 %						
<hr/>								
S.S. BRECK		HARDINSBURG		KY				
07-14-07	28619	07.16	14.35	07.66	*	104	Mnfr	Liq
09-24-24	27346	09.75	23.53	25.75		98	CM	Bulk
09-26-26	27092	09.72	25.72	27.38		102	CM	Bulk
18-18-18	27093	18.18	18.31	18.31		99	CM	Bulk
19-19-19	27091	18.26	19.98	20.16		99	CM	Bulk
19-19-19	27094	18.73	19.80	19.08		99	CM	Bulk
19-19-19	27096	19.65	19.89	18.93		101	CM	Bulk
24-15-15	27095	24.04	16.31	15.26		99	CM	Bulk
24-15-16	27344	23.62	16.90	15.87		100	CM	Bulk
26-08-08	27097	25.70	08.99	08.71		99	CM	Bulk
26-08-08	27345	25.70	09.02	09.60		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.14	101.06	101.71				
ALL SAMPLES, CV, %		3.37	3.01	4.66				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
<hr/>								
S.S. CNTRL KY SVC HARRDSBRG		HARRODSBURG		KY				
12-15-23	29019	12.98	14.90	22.85		98	CM	Bulk
15-00-22	29021	14.52		24.69		103	CM	Bulk
19-20-17	27418	19.21	19.91	17.72		98	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. CNTRL KY SVC HARRODSBURG HARRODSBURG KY								
23-00-29	27417	21.91		31.57		99	CM	Bulk
25-00-15	27575	25.46		15.56		100	CM	Bulk
26-13-14	27574	26.65	13.10	15.07		99	CM	Bulk
29-00-21	27419	28.20		23.09		99	CM	Bulk
30-00-20	27416	30.01		20.47		99	CM	Bulk
S.S. HENDERSON HENDERSON KY								
05-24-32	25798	05.30	24.14	32.87		101	CM	Bulk
05-24-32	25799	05.25	24.08	33.29		101	CM	Bulk
05-24-32	25800	05.31	24.38	33.59		102	CM	Bulk
08-21-31	27955	08.92	23.25	31.01		103	CM	Bulk
09-23-30	27369	08.20	23.74	30.21		100	CM	Bulk
09-23-30	27370	08.59	22.94	30.80		99	CM	Bulk
09-23-30	27951	09.15	23.46	29.34		100	CM	Bulk
22-14-19	27952	21.19	16.14	19.55		100	CM	Bulk
22-14-19	27953	21.24	15.98	19.95		101	CM	Bulk
27-11-15	27954	27.04	11.98	15.05		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.64	102.84	101.70				
ALL SAMPLES, CV, %		4.81	3.78	2.41				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -	0.00 %							
S.S. HOPKINSVILLE HOPKINSVILLE KY								
04-18-18	25738+	04.38	18.86	19.48		101	CM	Bulk
04-18-18	25739+	04.22	18.27	19.62		99	CM	Bulk
05-26-22	25585+	05.25	25.47	23.37		98	CM	Bulk
06-16-16	25740	06.87	16.92	17.56		103	CM	Bulk
06-16-16	25741	06.83	16.42	16.89		101	CM	Bulk
10-25-25	27151	09.96	25.92	26.44		100	CM	Bulk
15-20-23	26450	13.77*	20.94	25.04		98	CM	Bulk
20-09-25	27742	19.53	10.54	26.41		100	CM	Bulk
22-14-19	25584	21.08	15.05	21.10		100	CM	Bulk
24-18-13	27739	24.18	18.41	14.73		101	CM	Bulk
27-13-13	26449	27.26	14.95	13.16		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.73	100.50	103.65				
ALL SAMPLES, CV, %		5.73	3.43	3.31				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -	9.09 %							
S.S. HORSE CAVE HORSE CAVE KY								
06-17-34	26473+	06.52	17.69	35.00		101	CM	Bulk
08-22-29	26191	09.43	23.88	27.69*		102	CM	Bulk
17-17-17	26426	14.24*	14.99*	24.94		98	CM	Bulk
18-18-18	26472	18.41	19.55	18.84		100	CM	Bulk
19-19-19	26425	17.59*	18.65	22.23		98	CM	Bulk
19-19-19	26539	18.16	21.13	18.77		100	CM	Bulk
21-40-00	26542	20.69	38.96			97	CM	Bulk
27-11-15	26540	28.10	12.54	14.06		102	CM	Bulk
32-14-00	26689	32.02	14.70			98	CM	Bulk
37-13-00	26541	37.24	13.13			99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.76	100.73	105.44				
ALL SAMPLES, CV, %		6.65	6.55	17.09				
NUMBER OF ANALYSIS		10	10	7				
Deficiency Rate -	30.00 %							
SS COOP ISLAND SERVICE ISLAND KY								
09-23-30	28168	08.80	24.43	29.06		101	CM	Bulk
09-23-30	28169	08.83	23.17	30.25		100	CM	Bulk
09-23-30	28170	09.01	23.65	29.66		100	CM	Bulk
09-23-30	28171	08.75	22.86	30.80		100	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

TABLE 1. (Continued) ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001 69

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
SS COOP ISLAND SERVICE		ISLAND		KY				
09-23-30	28172	09.13	24.02	29.19		101	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 5								
Average Analysis :								
		8.90	23.62	29.79		100.8		
		CV, %	1.79	2.67	2.45			
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 98.93 102.72 99.30								
ALL SAMPLES, CV, % 1.79 2.67 2.45								
NUMBER OF ANALYSIS 5 5 5								
Deficiency Rate - 0.00 %								
S.S. KY SVC LAGRANGE BR		LAGRANGE		KY				
00-25-26	27260		25.67	25.15		97	CM	Bulk
00-27-24	27261		29.16	23.64		103	CM	Bulk
00-27-24	27263		28.01	25.24		102	CM	Bulk
10-17-32	27252	10.16	16.91	32.45		97	CM	Bulk
16-19-23	28202	15.91	18.93	24.44		99	CM	Bulk
16-19-23	28203	15.88	19.15	24.06		99	CM	Bulk
16-19-23	28204	16.42	19.70	23.70		101	CM	Bulk
19-19-19	27253	18.53	19.52	20.11		99	CM	Bulk
19-19-19	28200	18.73	19.08	20.29		99	CM	Bulk
20-04-28	28201	20.91	05.00	29.75		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 97.23 100.92 101.86								
ALL SAMPLES, CV, % 1.95 3.09 3.19								
NUMBER OF ANALYSIS 7 10 10								
Deficiency Rate - 0.00 %								
S.S. LANCASTER SVC		LANCASTER		KY				
09-18-28	28649	09.31	19.15	28.00		100	CM	Bulk
15-00-27	28251+	15.70		27.39		101	CM	Bulk
15-11-23	28650	14.89	11.34	24.35		100	CM	Bulk
15-13-20	28986	15.74	13.05	19.95		98	CM	Bulk
16-00-24	28987	17.07		25.12		100	CM	Bulk
17-13-18	28989	17.64	13.17	18.61		101	CM	Bulk
18-09-15	28651	18.80	09.79	15.26		102	CM	Bulk
20-04-27	28985	20.69	04.49	28.28		101	CM	Bulk
23-00-15	28988	24.01		15.83		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 99.97 105.14 101.14								
ALL SAMPLES, CV, % 3.17 6.35 7.63								
NUMBER OF ANALYSIS 11 8 11								
Deficiency Rate - 9.09 %								
S.S. LEBANON SVC		LEBANON		KY				
09-18-27	28253	09.66	18.51	26.16		99	CM	Bulk
16-12-18	28657	16.71	13.83	19.35		103	CM	Bulk
16-18-16	28252+	16.83	19.43	16.02		101	CM	Bulk
21-12-22	28655	20.60	13.45	22.62		101	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. LEBANON SVC		LEBANON		KY				
21-12-22	28656	20.06	13.52	22.90		100	CM	Bulk
21-12-22	28658	20.77	12.71	23.54		100	CM	Bulk
21-12-22	28659	20.89	12.65	23.24		100	CM	Bulk
27-11-15	28098	27.64	12.22	14.19		100	CM	Bulk
S.S. LEITCHFIELD		LEITCHFIELD		KY				
06-17-37	27111	06.29	17.31	38.36		100	CM	Bulk
09-24-24	27312	09.51	23.82	24.56		99	CM	Bulk
10-20-30	27115	10.00	20.36	30.46		99	CM	Bulk
19-19-19	27109	19.55	19.79	19.02		100	CM	Bulk
19-19-19	27110	18.70	20.03	19.51		100	CM	Bulk
19-19-19	27112	19.15	19.86	19.32		100	CM	Bulk
19-19-19	27113	18.16	19.05	20.71		98	CM	Bulk
19-19-19	27114	20.31	20.70	17.02*		101	CM	Bulk
19-19-19	27116	19.44	20.67	18.50		101	CM	Bulk
19-19-19	27311	19.13	20.49	19.15		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 7								
Average Analysis :								
		19.20	20.08	19.03		100.7		
CV, %								
		3.52	2.94	5.86				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		99.00	102.44	99.46				
ALL SAMPLES, CV, %								
		3.53	3.12	4.96				
NUMBER OF ANALYSIS								
		10	10	10				
Deficiency Rate - 10.00 %								
S.S. LEXINGTON		LEXINGTON		KY				
00-00-58	28692+			58.74		101	CM	Bulk
11-00-09	28955	10.68		11.14		102	CM	Bulk
12-09-14	28690	13.15	09.77	15.06		103	CM	Bulk
12-09-14	28691	13.16	09.90	14.74		103	CM	Bulk
18-00-23	28952	18.66		23.85		101	CM	Bulk
18-00-23	28953	18.07		23.53		99	CM	Bulk
20-00-19	28954	20.07		21.20		102	CM	Bulk
24-00-14	28956	23.49		15.64		99	CM	Bulk
24-00-15	28223	24.13		15.22		100	CM	Bulk
24-00-15	28224	24.67		15.14		101	CM	Bulk
25-03-11	28693+	24.58	04.00	11.56		99	CM	Bulk
25-05-08	28688	25.86	06.32	09.08		101	CM	Bulk
25-05-08	28689	25.48	06.14	09.13		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		99.03	105.45	102.70				
ALL SAMPLES, CV, %								
		2.42	7.96	3.30				
NUMBER OF ANALYSIS								
		12	5	13				
Deficiency Rate - 0.00 %								
S.S. LIBERTY SVC		LIBERTY		KY				
04-11-22	28753	04.58	11.63	21.99		100	CM	Bulk
15-15-27	28031	14.85	14.34	29.22		98	CM	Bulk
18-17-22	28754	17.89	17.13	23.24		99	CM	Bulk
18-17-22	28755	17.44	17.17	23.38		99	CM	Bulk
18-18-18	28749	18.56	18.56	19.22		102	CM	Bulk
19-19-19	28029	18.83	18.03*	20.87		97	CM	Bulk
19-19-19	28030	18.20	18.71	20.99		98	CM	Bulk
19-19-19	28032	18.39	19.21	19.76		98	CM	Bulk
19-19-19	28033	18.44	18.97	20.32		98	CM	Bulk
19-19-19	28034	18.76	19.23	20.11		99	CM	Bulk
19-19-19	28035	17.90	18.71	21.30		97	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :								
		18.42	18.81	20.55		98.2		
CV, %								
		1.88	2.36	2.86				
23-11-17	28750	22.17	10.88	19.02		99	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. LIBERTY SVC		LIBERTY		KY				
24-13-14	28751	24.50	13.30	15.50		102	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.35	97.99	105.24				
ALL SAMPLES, CV, %		3.00	2.92	3.04				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate -	7.69 %							
S.S. LONDON		LONDON		KY				
00-10-30	28846+		08.61*	30.23		95*	Blend	Bag
05-10-10	27543	04.74	10.12	09.79		98	Blend	Bag
05-10-15	26423	04.63	09.80	16.62		103	Blend	Bag
05-10-15	28847	04.84	09.92	16.13		103	Blend	Bag
05-20-20	26424	03.96*	16.88*	20.11		88*	Blend	Bag
06-12-12	27550	05.11*	11.30	12.09		93*	Blend	Bag
08-11-14	27562	08.86	11.98	15.03		102	CM	Bulk
09-23-29	26789	09.19	23.91	29.23		100	CM	Bulk
10-10-10	26422	08.49*	08.50*	10.21		88*	Blend	Bag
10-10-10	27542	09.79	10.07	10.18		99	Blend	Bag
10-10-10	28845	07.34*	07.60*	10.81		81*	Blend	Bag
15-15-15	27552	13.34*	14.09	15.80		94*	Blend	Bag
19-19-19	26787	19.57	21.10	18.36		102	CM	Bulk
19-19-19	26788	18.82	19.00	19.46		98	CM	Bulk
19-19-19	26790	18.31	19.40	20.26		98	CM	Bulk
19-19-19	27551	18.12	19.17	18.77		98	Blend	Bag
19-19-19	27556	18.98	18.81	19.87		98	CM	Bulk
19-19-19	27557	18.68	19.74	19.38		99	CM	Bulk
19-19-19	27558	19.27	19.75	19.26		101	CM	Bulk
19-19-19	27559	18.71	19.52	18.79		98	CM	Bulk
19-19-19	27560	18.61	19.75	19.95		100	CM	Bulk
19-19-19	27561	18.86	19.10	20.07		99	CM	Bulk
19-19-19	28848	18.12	19.40	19.12		99	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade :	11							
Average Analysis :		18.73	19.52	19.39		99.5		
CV, %		2.40	3.13	3.12				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.32	98.35	101.40				
ALL SAMPLES, CV, %		7.96	7.85	3.54				
NUMBER OF ANALYSIS		22	23	23				
Deficiency Rate -	26.08 %							
S.S. MADISONVILLE		MADISONVILLE		KY				
09-23-30	27853	08.60	22.15	30.48		98	CM	Bulk
09-23-30	27854	08.12*	21.57*	32.74		98	CM	Bulk
10-26-25	27848	10.69	25.76	25.43		99	CM	Bulk
10-26-25	27849	09.95	24.82	27.18		98	CM	Bulk
10-26-25	27850	10.28	25.93	25.05		98	CM	Bulk
10-26-25	27855	09.96	24.99	26.17		97	CM	Bulk
19-19-19	27846	18.86	18.57	19.45		97	CM	Bulk
27-11-15	27845	26.56	11.78	16.28		100	CM	Bulk
27-11-15	27847	26.91	12.09	14.87		99	CM	Bulk
28-10-13	27851	28.21	10.27	15.36		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.37	96.98	103.08				
ALL SAMPLES, CV, %		3.53	3.69	4.67				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -	10.00 %							
S.S. MAYSVILLE		MAYSVILLE		KY				
09-23-30	28281	08.71	23.99	29.20		100	CM	Bulk
15-15-23	28899	16.15	15.31	23.74		101	CM	Bulk
16-10-19	28901	16.71	10.05	21.36		102	CM	Bulk
17-09-15	28900	17.37	10.03	16.13		103	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. MAYSVILLE		MAYSVILLE		KY				
19-06-24	28898+	19.80	06.45	24.99		101	CM	Bulk
19-19-19	28279	19.11	20.23	18.44		100	CM	Bulk
19-19-19	28280	18.60	19.50	19.16		98	CM	Bulk
23-12-19	28284	22.46	12.78	19.29		98	CM	Bulk
24-12-18	28283	23.53	11.92	19.06		97	CM	Bulk
S S MORGANFIELD		MORGANFIELD		KY				
05-25-30	25779	05.88	27.24	28.86*		102	CM	Bulk
05-25-30	25780	05.04	24.38	32.42		99	CM	Bulk
05-25-30	25781	05.72	26.55	29.85		101	CM	Bulk
08-22-30	27371	08.20	22.13	31.78		99	CM	Bulk
08-22-30	27379	09.18	24.77	28.47*		102	CM	Bulk
16-42-00	27372+	15.68	42.61			97	CM	Bulk
24-15-15	27378	23.14	17.08	16.01		100	CM	Bulk
S.S. MURRAY		MURRAY		KY				
07-18-18	25721	07.60	18.55	18.63		102	CM	Bulk
07-18-18	25722	07.69	18.93	18.53		103	CM	Bulk
07-18-18	25723	07.42	18.22	18.76		101	CM	Bulk
09-23-30	25724	08.74	22.87	31.20		100	CM	Bulk
09-23-30	25725	08.34	22.30	31.40		99	CM	Bulk
09-23-30	25726	08.47	23.20	30.57		100	CM	Bulk
09-23-30	26999	09.36	23.85	29.98		102	CM	Bulk
09-23-30	27000	09.06	23.63	30.03		101	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 5								
Average Analysis :		8.79	23.17	30.63		100.7		
CV, %		4.77	2.66	2.13				
21-00-21	25600	21.45		20.74		97	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.81	100.79	101.82				
ALL SAMPLES, CV, %		4.98	2.25	2.87				
NUMBER OF ANALYSIS		9	8	9				
Deficiency Rate -		0.00 %						
S.S. NICHOLASVILLE SVC		NICHOLASVILLE		KY				
09-18-27	28387	09.18	18.92	27.92		100	CM	Bulk
09-18-27	28388	09.11	18.81	27.87		100	CM	Bulk
11-00-15	28742	11.95		16.63		105	CM	Bulk
11-02-15	28740	11.80	03.17	16.16		103	CM	Bulk
16-00-24	28741	17.40		25.79		103	CM	Bulk
16-00-25	28328	16.29		25.76		100	CM	Bulk
SS OWENSBORO		OWENSBORO		KY				
00-20-20	25767		20.71	21.95		102	CM	Bulk
00-23-30	25763		24.45	28.76		101	CM	Bulk
00-23-30	25764		24.48	28.67		101	CM	Bulk
00-23-30	25765		24.29	29.37		102	CM	Bulk
00-23-30	25766		23.49	30.03		101	CM	Bulk
00-23-30	25768		23.86	29.05		100	CM	Bulk
00-23-30	25769		23.10	30.95		101	CM	Bulk
00-23-30	25770		24.97	29.06		103	CM	Bulk
00-23-30	25777		23.85	30.27		102	CM	Bulk
00-23-30	25778		24.89	28.68		102	CM	Bulk
Statistical Analysis for Grade : 00-23-30								
Number Samples This Grade : 9								
Average Analysis :		.00	24.15	29.42		101.9		
CV, %		.00	1.63	2.75				



ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
SS OWENSBORO		OWENSBORO		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		.00	104.59	98.64				
ALL SAMPLES, CV, %		4.98	2.83	3.57				
NUMBER OF ANALYSIS		0	10	10				
Deficiency Rate -		0.00 %						
<hr/>								
S.S. OWENTON		OWENTON		KY				
06-06-10	28541	07.19	07.23	10.48		105	CM	Bulk
13-18-20	28539	13.65	17.79	20.71		99	CM	Bulk
14-14-21	28542	13.53	13.49	22.15		98	CM	Bulk
14-18-20	28532	13.99	18.43	20.03		100	CM	Bulk
14-18-20	28538	14.17	17.93	19.77		99	CM	Bulk
15-13-20	28534	15.47	14.04	20.61		100	CM	Bulk
17-12-18	28535	17.22	13.54	20.05		104	CM	Bulk
17-12-18	28537	16.39	12.76	19.94		100	CM	Bulk
17-13-18	28536	16.99	12.94	18.61		99	CM	Bulk
19-19-19	28533	18.23	20.39	19.64		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.96	100.21	102.54				
ALL SAMPLES, CV, %		3.46	4.93	2.09				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		0.00 %						
<hr/>								
S.S. OWINGSVILLE SVC		OWINGSVILLE		KY				
08-18-28	28918	09.06	18.19	28.17		99	CM	Bulk
09-18-28	28920	09.57	19.40	27.71		100	CM	Bulk
13-00-09	28917	14.04		10.80		105	CM	Bulk
14-15-23	28459	14.27	16.34	24.22		100	CM	Bulk
17-12-18	28460	16.47	12.53	19.76	*	100	CM	Bulk
17-12-18	28461	17.30	12.73	18.60		99	CM	Bulk
18-13-20	28453	18.16	14.21	21.48		100	CM	Bulk
19-00-21	28452	18.53		22.90		101	CM	Bulk
23-07-11	28456	21.12*	07.28	15.92		104	CM	Bulk
40-00-06	28454	38.72*		09.80	*	102	CM	Bulk
40-00-06	28455	39.78		08.28	*	101	CM	Bulk
40-00-06	28457	39.62		08.22		101	CM	Bulk
40-00-06	28458	40.53		07.43		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.11	100.23	107.16				
ALL SAMPLES, CV, %		3.69	3.23	14.01				
NUMBER OF ANALYSIS		13	7	13				
Deficiency Rate -		15.38 %						
<hr/>								
S.S. COOP. INC-FERT. DIV.		RICHMOND		VA				
00-00-00	26583+						Mat	Bulk
00-00-00	28004+						Mat	Bulk
00-00-22	26333+			21.96		99	Mat	Bulk
00-00-22	28429+			21.94		99	Mat	Bulk
00-00-50	26011			50.90		101	Mat	Bulk
00-00-50	26168			50.86		101	Mat	Bulk
00-00-50	26284			50.65		101	Mat	Bulk
00-00-50	26335			50.32		100	Mat	Bulk
00-00-50	26582			50.50		101	Mat	Bulk
00-00-50	26628			51.42		102	Mat	Bulk
00-00-50	26638			50.77		101	Mat	Bulk
00-00-50	26738			50.69		101	Mat	Bulk
00-00-50	26922			50.93		101	Mat	Bulk
00-00-50	27133			50.90		101	Mat	Bulk
00-00-50	27181			50.63		101	Mat	Bulk
00-00-50	27182			51.28		102	Mat	Bulk
00-00-50	27258			51.04		102	Mat	Bulk
00-00-50	27415			50.83		101	Mat	Bulk
00-00-50	27852			50.81		101	Mat	Bulk
00-00-50	27946			50.58		101	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP. INC-FERT. DIV.			RICHMOND	VA				
00-00-50	28007			51.57		103	Mat	Bulk
00-00-50	28160			51.35		102	Mat	Bulk
00-00-50	28244			50.37		100	Mat	Bulk
00-00-50	28290			50.98		101	Mat	Bulk
00-00-50	28540			50.81		101	Mat	Bulk
00-00-50	28653			50.37		100	Mat	Bulk
00-00-50	29010			50.67		101	Mat	Bulk
Statistical Analysis for Grade : 00-00-50								
Number Samples This Grade : 23								
Average Analysis :								
		.00	.00	50.83		101.6		
CV, %		.00	.00	.65				
00-00-60	25826			60.77		101	Mat	Bulk
00-00-60	25830			60.45		100	Mat	Bulk
00-00-60	25853			60.44		100	Mat	Bulk
00-00-60	25867			60.13		100	Mat	Bulk
00-00-60	25877			61.35		102	Mat	Bulk
00-00-60	25890			60.75		101	Mat	Bulk
00-00-60	25906			60.20		100	Mat	Bulk
00-00-60	25925			61.17		101	Mat	Bulk
00-00-60	25969			60.71		101	Mat	Bulk
00-00-60	25994			61.45		102	Mat	Bulk
00-00-60	26000			61.45		102	Mat	Bulk
00-00-60	26008			61.20		102	Mat	Bulk
00-00-60	26037			60.28		100	Mat	Bulk
00-00-60	26077			60.32		100	Mat	Bulk
00-00-60	26090			60.30		100	Mat	Bulk
00-00-60	26094			60.37		100	Mat	Bulk
00-00-60	26138			60.19		100	Mat	Bulk
00-00-60	26158			61.21		102	Mat	Bulk
00-00-60	26165			60.57		100	Mat	Bulk
00-00-60	26176			61.18		101	Mat	Bulk
00-00-60	26206			61.21		102	Mat	Bulk
00-00-60	26213			60.37		100	Mat	Bulk
00-00-60	26219			60.96		101	Mat	Bulk
00-00-60	26238			60.29		100	Mat	Bulk
00-00-60	26246			61.29		102	Mat	Bulk
00-00-60	26259			61.21		102	Mat	Bulk
00-00-60	26281			60.91		101	Mat	Bulk
00-00-60	26297			60.69		101	Mat	Bulk
00-00-60	26307			61.05		101	Mat	Bulk
00-00-60	26310			60.65		101	Mat	Bulk
00-00-60	26330			60.48		100	Mat	Bulk
00-00-60	26332			60.69		101	Mat	Bulk
00-00-60	26341			60.28		100	Mat	Bulk
00-00-60	26354			60.77		101	Mat	Bulk
00-00-60	26379			59.90		99	Mat	Bulk
00-00-60	26581			60.53		100	Mat	Bulk
00-00-60	26597			60.72		101	Mat	Bulk
00-00-60	26627			60.71		101	Mat	Bulk
00-00-60	26635			60.92		101	Mat	Bulk
00-00-60	26639			60.82		101	Mat	Bulk
00-00-60	26670			60.90		101	Mat	Bulk
00-00-60	26679			60.33		100	Mat	Bulk
00-00-60	26700			61.10		101	Mat	Bulk
00-00-60	26705			60.89		101	Mat	Bulk
00-00-60	26708			60.91		101	Mat	Bulk
00-00-60	26717			61.28		102	Mat	Bulk
00-00-60	26745			58.84		98	Mat	Bulk
00-00-60	26751			61.14		101	Mat	Bulk
00-00-60	26918			61.21		102	Mat	Bulk
00-00-60	26924			60.42		100	Mat	Bulk
00-00-60	26975			60.89		101	Mat	Bulk
00-00-60	27019			60.70		101	Mat	Bulk
00-00-60	27183			60.30		100	Mat	Bulk
00-00-60	27257			60.93		101	Mat	Bulk
00-00-60	27365			60.37		100	Mat	Bulk
00-00-60	27377			60.94		101	Mat	Bulk
00-00-60	28005			60.70		101	Mat	Bulk
00-00-60	28293			60.49		100	Mat	Bulk

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP. INC-FERT. DIV.								
		RICHMOND		VA				
00-00-60	28652			61.62		102	Mat	Bulk
00-00-60	29009			60.11		100	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number Samples This Grade : 60								
Average Analysis :								
CV, %		.00	.00	60.71		101.1		
		.00	.00	.76				
00-11-45	25753		12.65	44.36		102	CM	Bulk
00-11-45	25754		11.57	45.35		100	CM	Bulk
00-45-00	28003		46.42			103	Mat	Bulk
00-46-00	25825		46.20			100	Mat	Bulk
00-46-00	25855		45.57			99	Mat	Bulk
00-46-00	25869		45.96			99	Mat	Bulk
00-46-00	25922		46.01			100	Mat	Bulk
00-46-00	26033		45.13			98	Mat	Bulk
00-46-00	26079		45.06			97	Mat	Bulk
00-46-00	26159		46.07			100	Mat	Bulk
00-46-00	26179		46.02			100	Mat	Bulk
00-46-00	26210		45.82			99	Mat	Bulk
00-46-00	26337		45.80			99	Mat	Bulk
00-46-00	26340		45.61			99	Mat	Bulk
00-46-00	26352		46.25			100	Mat	Bulk
00-46-00	26580		44.99			97	Mat	Bulk
00-46-00	26596		45.14			98	Mat	Bulk
00-46-00	26634		45.59			99	Mat	Bulk
00-46-00	26737		45.32			98	Mat	Bulk
00-46-00	26753		45.91			99	Mat	Bulk
00-46-00	26974		45.19			98	Mat	Bulk
00-46-00	27256		46.27			100	Mat	Bulk
00-46-00	27364		45.82			99	Mat	Bulk
00-46-00	27376		45.24			98	Mat	Bulk
00-46-00	27488		45.22			98	Mat	Bag
Statistical Analysis for Grade : 00-46-00								
Number Samples This Grade : 22								
Average Analysis :								
CV, %		.00	45.64	.00		99.2		
		.00	.38	.00				
09-23-30	25755	08.43	21.84	30.51		97	CM	Bulk
09-23-30	25756	08.64	21.94	29.85		97	CM	Bulk
09-23-30	25757	08.43	21.63	31.21		97	CM	Bulk
10-10-10	26553	10.02	10.47	10.12		102	Blend	Bag
10-26-25	28105	09.98	26.15	25.77		99	CM	Bulk
11-52-00	27375	10.90	51.53			99	Mat	Bulk
11-52-00	28426	10.68	52.23			99	Mat	Bag
18-08-00	26160+	18.53	07.08*			98	Mat	Bulk
18-17-22	25758	17.44	16.38	23.71		98	CM	Bulk
18-46-00	25827	17.86	46.53			100	Mat	Bulk
18-46-00	25829	17.87	46.42			100	Mat	Bulk
18-46-00	25852	17.76	46.02			99	Mat	Bulk
18-46-00	25866	17.65	45.36			98	Mat	Bulk
18-46-00	25875	17.87	45.50			99	Mat	Bulk
18-46-00	25892	17.92	45.35			98	Mat	Bulk
18-46-00	25904	17.58	45.96			99	Mat	Bulk
18-46-00	25920	17.41	45.69			98	Mat	Bulk
18-46-00	25921	17.60	44.94			97	Mat	Bulk
18-46-00	25967	17.58	45.30			98	Mat	Bulk
18-46-00	25993	17.69	45.94			99	Mat	Bulk
18-46-00	25999	17.79	45.68			99	Mat	Bulk
18-46-00	26009	17.65	45.86			99	Mat	Bulk
18-46-00	26036	17.53	45.25			98	Mat	Bulk
18-46-00	26080	17.62	45.37			98	Mat	Bulk
18-46-00	26089	17.65	45.66			98	Mat	Bulk
18-46-00	26093	17.64	45.10			98	Mat	Bulk
18-46-00	26097	17.62	45.31			98	Mat	Bulk
18-46-00	26137	17.83	45.83			99	Mat	Bulk
18-46-00	26157	17.65	45.63			98	Mat	Bulk
18-46-00	26166	17.55	45.84			99	Mat	Bulk
18-46-00	26177	17.49	45.88			98	Mat	Bulk
18-46-00	26204	17.84	46.13			99	Mat	Bulk
18-46-00	26211	17.40	45.46			98	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP. INC-FERT. DIV.		RICHMOND	VA					
18-46-00	26218	17.52	45.45			98	Mat	Bulk
18-46-00	26237	17.59	45.93			99	Mat	Bulk
18-46-00	26245	17.47	45.21			97	Mat	Bulk
18-46-00	26258	17.78	46.36			100	Mat	Bulk
18-46-00	26280	17.45	46.06			99	Mat	Bulk
18-46-00	26299	18.33	45.63			99	Mat	Bulk
18-46-00	26306	17.81	45.95			99	Mat	Bulk
18-46-00	26308	17.45	45.45			98	Mat	Bulk
18-46-00	26329	17.43	45.92			98	Mat	Bulk
18-46-00	26339	17.23	45.65			98	Mat	Bulk
18-46-00	26356	17.63	45.73			98	Mat	Bulk
18-46-00	26378	17.60	46.24			99	Mat	Bulk
18-46-00	26579	17.66	45.50			98	Mat	Bulk
18-46-00	26595	17.71	45.29			98	Mat	Bulk
18-46-00	26629	17.71	45.76			99	Mat	Bulk
18-46-00	26632	17.62	46.07			99	Mat	Bulk
18-46-00	26641	17.39	45.49			98	Mat	Bulk
18-46-00	26642	17.28	46.30			99	Mat	Bulk
18-46-00	26671	17.60	45.22			98	Mat	Bulk
18-46-00	26678	17.27	45.21			97	Mat	Bulk
18-46-00	26702	17.74	46.36			100	Mat	Bulk
18-46-00	26706	17.38	45.71			98	Mat	Bulk
18-46-00	26715	17.76	45.96			99	Mat	Bulk
18-46-00	26743	17.73	45.59			98	Mat	Bulk
18-46-00	26744	17.70	45.81			99	Mat	Bulk
18-46-00	26752	17.67	45.41			98	Mat	Bulk
18-46-00	26920	17.77	45.54			98	Mat	Bulk
18-46-00	26921	17.64	45.55			98	Mat	Bulk
18-46-00	26973	18.00	45.86			99	Mat	Bulk
18-46-00	27018	17.84	45.55			99	Mat	Bulk
18-46-00	27254	17.59	46.30			99	Mat	Bulk
18-46-00	27363	17.72	45.59			98	Mat	Bulk
18-46-00	27374	17.73	45.85			99	Mat	Bulk
18-46-00	27882	17.42	45.62			98	Mat	Bulk
18-46-00	28009	17.49	45.87			98	Mat	Bulk
18-46-00	28288	17.65	46.31			99	Mat	Bulk
18-46-00	28291	17.68	45.53			98	Mat	Bulk
18-46-00	28362	18.42	45.83			100	Mat	Bulk
18-46-00	28752	17.85	46.23			100	Mat	Bulk
18-46-00	29008	15.24*	34.16*			77*	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number Samples This Grade : 64								
Average Analysis :		17.61	45.54	.00		98.6		
CV, %		2.08	3.27	.00				
21-11-15	26997	22.07	12.67	15.37		104	CM	Bulk
21-11-15	26998	21.78	11.96	16.37		103	CM	Bulk
22-14-19	26996	24.39	10.30*	19.85		96*	CM	Bulk
30-00-00	26644	30.00				100	Mat	Liq
30-00-00	27152	30.00				100	Mat	Liq
30-00-00	29000	30.00				100	Mat	Liq
32-00-00	25601	31.70				99	Mat	Liq
32-00-00	27001	32.00				100	Mat	Liq
32-00-00	28113	32.00				100	Mat	Liq
32-00-00	28114	32.00				100	Mat	Liq
33-00-00	26010	33.36				99	Mat	Bulk
34-00-00	25854	33.62				98	Mat	Bulk
34-00-00	25865	33.78				99	Mat	Bulk
34-00-00	25878	34.14				100	Mat	Bulk
34-00-00	25924	33.90				99	Mat	Bulk
34-00-00	25968	33.58				98	Mat	Bulk
34-00-00	25992	34.12				100	Mat	Bulk
34-00-00	25998	33.58				98	Mat	Bulk
34-00-00	26034	33.55				98	Mat	Bulk
34-00-00	26095	34.02				100	Mat	Bulk
34-00-00	26178	33.40				98	Mat	Bulk
34-00-00	26203	34.12				100	Mat	Bulk
34-00-00	26244	34.08				100	Mat	Bulk
34-00-00	26283	34.31				100	Mat	Bulk
34-00-00	26298	34.03				100	Mat	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP. INC-FERT. DIV.		RICHMOND		VA				
34-00-00	26311	34.50				101	Mat	Bulk
34-00-00	26331	34.11				100	Mat	Bulk
34-00-00	26334	34.31				100	Mat	Bulk
34-00-00	26355	34.28				100	Mat	Bulk
34-00-00	26374	33.83				99	Mat	Bulk
34-00-00	26377	34.09				100	Mat	Bulk
34-00-00	26633	34.07				100	Mat	Bulk
34-00-00	26643	34.23				100	Mat	Bulk
34-00-00	26672	33.49				98	Mat	Bulk
34-00-00	26707	34.01				100	Mat	Bulk
34-00-00	26714	33.33				98	Mat	Bulk
34-00-00	26739	45.88				134	Mat	Bulk
34-00-00	26919	34.26				100	Mat	Bulk
34-00-00	26925	34.34				101	Mat	Bulk
34-00-00	27259	33.95				99	Mat	Bulk
34-00-00	27362	33.60				98	Mat	Bulk
34-00-00	28006	33.86				99	Mat	Bulk
34-00-00	28049	34.04				100	Mat	Bag
34-00-00	28292	34.36				101	Mat	Bulk
34-00-00	28654	34.20				100	Mat	Bulk
34-00-00	28789	33.98				99	Mat	Bag
34-00-00	28919	33.36				98	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number Samples This Grade : 36								
Average Analysis :		34.28	.00	.00		100.8		
CV, %		5.86	.00	.00				
46-00-00	25824	46.20				100	Mat	Bulk
46-00-00	25828	46.20				100	Mat	Bulk
46-00-00	25856	46.06				100	Mat	Bulk
46-00-00	25868	45.75				99	Mat	Bulk
46-00-00	25876	46.20				100	Mat	Bulk
46-00-00	25891	46.13				100	Mat	Bulk
46-00-00	25905	46.20				100	Mat	Bulk
46-00-00	25923	45.75				99	Mat	Bulk
46-00-00	25970	46.09				100	Mat	Bulk
46-00-00	25995	46.20				100	Mat	Bulk
46-00-00	26007	46.20				100	Mat	Bulk
46-00-00	26035	46.20				100	Mat	Bulk
46-00-00	26078	45.27				98	Mat	Bulk
46-00-00	26091	46.20				100	Mat	Bulk
46-00-00	26092	46.20				100	Mat	Bulk
46-00-00	26096	45.42				98	Mat	Bulk
46-00-00	26136	46.20				100	Mat	Bulk
46-00-00	26156	46.20				100	Mat	Bulk
46-00-00	26167	46.20				100	Mat	Bulk
46-00-00	26180	46.07				100	Mat	Bulk
46-00-00	26205	46.20				100	Mat	Bulk
46-00-00	26212	46.20				100	Mat	Bulk
46-00-00	26217	46.20				100	Mat	Bulk
46-00-00	26236	46.20				100	Mat	Bulk
46-00-00	26257	46.20				100	Mat	Bulk
46-00-00	26282	45.97				99	Mat	Bulk
46-00-00	26296	46.04				100	Mat	Bulk
46-00-00	26305	45.97				99	Mat	Bulk
46-00-00	26309	46.07				100	Mat	Bulk
46-00-00	26336	45.98				99	Mat	Bulk
46-00-00	26353	46.20				100	Mat	Bulk
46-00-00	26578	46.03				100	Mat	Bulk
46-00-00	26594	45.91				99	Mat	Bulk
46-00-00	26626	45.99				99	Mat	Bulk
46-00-00	26630	45.79				99	Mat	Bulk
46-00-00	26636	45.97				99	Mat	Bulk
46-00-00	26637	46.20				100	Mat	Bulk
46-00-00	26640	46.01				100	Mat	Bulk
46-00-00	26669	45.99				99	Mat	Bulk
46-00-00	26677	46.20				100	Mat	Bulk
46-00-00	26701	46.03				100	Mat	Bulk
46-00-00	26703	45.94				99	Mat	Bulk
46-00-00	26709	45.96				99	Mat	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP. INC-FERT. DIV.		RICHMOND		VA				
46-00-00	26710	46.12				100	Mat	Bulk
46-00-00	26716	46.00				100	Mat	Bulk
46-00-00	26740	45.84				99	Mat	Bulk
46-00-00	26741	45.73				99	Mat	Bulk
46-00-00	26742	45.90				99	Mat	Bulk
46-00-00	26754	46.04				100	Mat	Bulk
46-00-00	26755	45.84				99	Mat	Bulk
46-00-00	26917	46.12				100	Mat	Bulk
46-00-00	26923	45.83				99	Mat	Bulk
46-00-00	26972	46.20				100	Mat	Bulk
46-00-00	27017	46.19				100	Mat	Bulk
46-00-00	27255	46.15				100	Mat	Bulk
46-00-00	27361	45.45				98	Mat	Bulk
46-00-00	27373	45.98				99	Mat	Bulk
46-00-00	28008	46.13				100	Mat	Bulk
46-00-00	28289	45.97				99	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number Samples This Grade : 59								
Average Analysis :		46.02	.00	.00		100.0		
CV, %		.44	.00	.00				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.77	99.01	101.32				
ALL SAMPLES, CV, %		62.11	4.56	1.25				
NUMBER OF ANALYSIS		179	101	96				
Deficiency Rate - 1.03 %								
S.S. RICHMOND SERVICE		RICHMOND		KY				
06-26-26	27756	06.26	26.50	26.45		100	CM	Bulk
15-22-21	27752	15.45	22.80	21.43		100	CM	Bulk
19-19-19	27747	18.56	16.80*	22.90		97	CM	Bulk
19-19-19	27748	19.09	20.13	19.34		100	CM	Bulk
19-19-19	27749	18.97	20.13	19.19		100	CM	Bulk
19-19-19	27750	18.51	19.69	20.79		100	CM	Bulk
19-19-19	27753	19.36	20.60	19.39		102	CM	Bulk
19-19-19	27755	18.80	19.40	20.57		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :		18.88	19.45	20.36		100.3		
CV, %		1.72	7.02	6.95				
27-13-13	27751	26.60	14.09	14.09		100	CM	Bulk
32-09-09	27754	32.06	10.53	10.33		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.31	102.06	103.90				
ALL SAMPLES, CV, %		1.34	5.78	5.92				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate - 10.00 %								
SS ADAIR RUSSELL SPRINGS		RUSSELL SPRIN		KY				
13-00-35	26866	12.90		35.08		97	CM	Bulk
17-00-30	28269	16.93		31.00		101	CM	Bulk
17-00-30	28271	16.29		31.27		99	CM	Bulk
17-17-17	26862	17.51	19.06	17.52		101	CM	Bulk
17-17-17	26864	17.00	18.01	18.61		99	CM	Bulk
17-17-17	26865	17.80	17.38	17.57		99	CM	Bulk
17-17-17	26867	17.64	18.02	17.80		100	CM	Bulk
17-17-17	26868	17.48	17.61	17.96		99	CM	Bulk
17-17-17	26869	17.69	17.23	18.36		99	CM	Bulk
17-17-17	28268	17.40	18.79	17.53		101	CM	Bulk
17-17-17	28270	17.64	19.54	16.99		102	CM	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
SS ADAIR RUSSELL SPRINGS RUSSELL SPRIN KY								
Statistical Analysis for Grade : 17-17-17								
Number Samples This Grade : 8								
Average Analysis :								
		17.52	18.20	17.79		100.4		
		CV, %	1.40	4.60	2.89			
22-10-15	26863	21.88	10.62	15.42		101	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		98.34	102.87	100.98				
ALL SAMPLES, CV, %								
		1.67	4.44	2.83				
NUMBER OF ANALYSIS								
		12	9	12				
Deficiency Rate - 0.00 %								
S.S. COOP, INC RUSSELLVILLE KY								
04-16-04	25954	04.59	17.62	04.63		111	Blend	Bag
04-16-04	26527	04.27	17.16	04.63		108	Blend	Bag
04-16-04	27185	04.03	15.30	04.23		97	Blend	Bag
05-10-15	25857	05.38	10.16	16.17		105	Blend	Bag
05-10-15	26249	05.20	10.24	16.42		106	Blend	Bag
05-10-15	26363	05.23	10.49	15.32		103	Blend	Bag
05-10-15	26475	05.41	10.42	16.67		108	Blend	Bag
05-10-15	26696	05.01	10.32	15.55		102	Blend	Bag
05-10-15	28237	04.40*	09.17	15.53		97	Blend	Bag
05-10-15	28325	05.43	10.57	15.69		105	Blend	Bag
05-10-15	29005	05.39	11.20	16.22		109	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number Samples This Grade : 8								
Average Analysis :								
		5.18	10.32	15.94		104.9		
		CV, %	6.68	5.46	3.05			
06-12-12	26601	07.64	15.55	13.71		124	Blend	Bag
06-24-24	25750	06.53	23.81	24.75		101	Blend	Bag
06-24-24	26384	06.03	24.11	24.28		100	Blend	Bag
06-24-24	26602	06.23	24.62	24.57		102	Blend	Bag
06-24-24	26697	05.92	23.96	24.67		100	Blend	Bag
06-24-24	27139	06.28	24.33	24.41		101	Blend	Bag
06-24-24	27173	06.03	23.29	25.71		100	Blend	Bag
06-24-24	27741	06.22	24.48	25.30		103	Blend	Bag
06-24-24	28999	05.68	23.93	25.85		101	Blend	Bag
Statistical Analysis for Grade : 06-24-24								
Number Samples This Grade : 8								
Average Analysis :								
		6.11	24.06	24.94		101.6		
		CV, %	4.21	1.75	2.40			
10-10-10	25566	09.30	09.93	10.73		99	Blend	Bag
10-10-10	25589	09.06*	09.35	11.46		97	Blend	Bag
10-10-10	25594	09.83	09.78	11.17		101	Blend	Bag
10-10-10	25674	09.74	10.17	11.33		103	Blend	Bag
10-10-10	25752	09.29	10.10	10.98		100	Blend	Bag
10-10-10	25859	09.52	10.93	10.93		103	Blend	Bag
10-10-10	25860	09.88	10.39	11.09		103	Blend	Bag
10-10-10	25893	09.65	10.77	11.26		104	Blend	Bag
10-10-10	25894	10.23	10.28	10.93		104	Blend	Bag
10-10-10	26038	10.57	10.54	10.51		105	Blend	Bag
10-10-10	26248	09.64	10.67	11.37		104	Blend	Bag
10-10-10	26347	08.71*	09.85	11.59		97	Blend	Bag
10-10-10	26403	09.79	10.26	11.56		103	Blend	Bag
10-10-10	26474	09.32	10.20	10.57		99	Blend	Bag
10-10-10	26694	10.18	10.62	10.60		104	Blend	Bag
10-10-10	26782	09.28	09.47	09.35		93*	Blend	Bag
10-10-10	26878	10.11	11.24	10.72		106	Blend	Bag
10-10-10	27138	09.74	10.43	10.45		101	Blend	Bag
10-10-10	27172	08.67*	08.96*	10.47		91*	Blend	Bag
10-10-10	27740	09.23	10.43	10.21		99	Blend	Bag
10-10-10	28036	09.38	09.83	10.22		97	Blend	Bag
10-10-10	28046	09.33	11.22	10.42		102	Blend	Bag
10-10-10	28235	10.87	09.95	10.36		104	Blend	Bag
10-10-10	28238	10.14	10.58	10.19		103	Blend	Bag
10-10-10	28254	09.54	09.95	10.40		98	Blend	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. COOP, INC		RUSSELLVILLE		KY				
10-10-10	28326	09.39	10.60	10.18		100	Blend	Bag
10-10-10	28371	09.19	09.86	11.02		98	Blend	Bag
10-10-10	28407	09.04*	09.32	10.47		94*	Blend	Bag
10-10-10	28780	10.28	11.38	10.25		106	Blend	Bag
10-10-10	28998	10.18	10.51	11.15		105	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 30								
Average Analysis :								
		9.63	10.25	10.73		101.1		
CV, %								
		5.42	5.63	4.78				
10-20-20	25590	10.40	20.39	19.01		100	Blend	Bag
10-20-20	26039	10.32	20.22	21.04		102	Blend	Bag
12-24-24	26005	12.57	25.22	23.84		103	Blend	Bag
12-24-24	28781	11.33	25.37	23.86		101	Blend	Bag
13-13-13	27170+	13.77	13.59	12.25		102	CM	Bag
15-15-15	25675	14.47	15.01	15.76		100	Blend	Bag
15-15-15	25751	13.83	15.81	15.73		100	Blend	Bag
15-15-15	26357	14.19	15.98	16.70		102	Blend	Bag
15-15-15	26402	13.94	15.40	16.45		100	Blend	Bag
15-15-15	26879	15.65	15.99	15.26		104	Blend	Bag
15-15-15	27171	14.64	15.82	15.47		101	Blend	Bag
15-15-15	27932	14.29	15.94	15.24		100	Blend	Bag
15-15-15	28038	13.89	17.10	16.20		104	Blend	Bag
15-15-15	28047	14.43	15.60	16.36		101	Blend	Bag
15-15-15	28370	15.07	15.08	16.06		101	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number Samples This Grade : 10								
Average Analysis :								
		14.44	15.77	15.92		101.8		
CV, %								
		3.93	3.72	3.20				
19-19-19	25588	17.87	18.77	20.90		99	Blend	Bag
19-19-19	25676	16.29*	19.88	21.57		100	Blend	Bag
19-19-19	25858	17.80	18.52	20.96		98	Blend	Bag
19-19-19	26040	18.65	20.57	19.81		103	Blend	Bag
19-19-19	26247	18.20	19.84	20.28		101	Blend	Bag
19-19-19	26600	19.15	19.39	20.43		102	Blend	Bag
19-19-19	26695	17.64	20.41	20.36		101	Blend	Bag
19-19-19	26783	18.04	20.30	20.22		101	Blend	Bag
19-19-19	26880	17.26*	20.75	20.89		101	Blend	Bag
19-19-19	28037	17.01*	19.24	23.26		101	Blend	Bag
19-19-19	28048	17.73	18.53	22.36		100	Blend	Bag
19-19-19	28234	18.56	19.10	19.71		100	Blend	Bag
19-19-19	28239	17.81	20.09	20.85		101	Blend	Bag
19-19-19	28255	18.98	19.51	19.30		101	Blend	Bag
19-19-19	28408	18.45	19.83	21.43		103	Blend	Bag
19-19-19	28997	17.98	19.91	20.71		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 16								
Average Analysis :								
		17.96	19.66	20.81		101.3		
CV, %								
		4.06	3.54	4.78				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE								
		97.07	103.24	106.50				
ALL SAMPLES, CV, %								
		6.89	5.41	4.93				
NUMBER OF ANALYSIS								
		81	81	81				
Deficiency Rate - 11.11 %								
S.S. RUSSELLVILLE		RUSSELLVILLE		KY				
06-26-26	25595	06.03	24.71	26.92		97	CM	Bulk
17-11-22	27120	17.07	10.83	22.91		98	CM	Bulk
18-14-18	27123	18.37	13.86	18.80		99	CM	Bulk
18-16-16	27124	18.59	16.13	17.46		99	CM	Bulk
19-19-19	27118	18.53	19.85	19.41		99	CM	Bulk
19-19-19	27119	18.42	18.78	20.73		98	CM	Bulk
19-19-19	27122	19.50	20.54	19.38		102	CM	Bulk
19-19-19	27125	18.84	18.88	19.98		99	CM	Bulk
19-19-19	27126	18.40	19.31	20.71		99	CM	Bulk



## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
<b>S.S. RUSSELLVILLE</b>								
		RUSSELLVILLE		KY				
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 5								
		Average Analysis :		18.73	19.47	20.04	99.9	
		CV, %		2.45	3.75	3.31		
24-15-15	27121	23.75	15.64	15.75		98	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
		ALL SAMPLES, % OF GUARANTEE		97.31	98.97	103.22		
		ALL SAMPLES, CV, %		2.51	3.93	2.34		
		NUMBER OF ANALYSIS		10	10	10		
		Deficiency Rate -		0.00 %				
<b>SS COOP MADISONVILLE SEBREE BR</b>								
		SEBREE		KY				
07-19-20	28264	07.53	19.79	21.09		101	CM	Bulk
09-23-30	28093	09.02	23.19	29.87		100	CM	Bulk
09-23-30	28094	08.30	22.51	30.58		98	CM	Bulk
09-23-30	28263	09.06	23.98	28.92		100	CM	Bulk
09-23-30	28265	08.21	21.64	31.77		97	CM	Bulk
09-23-30	28266	08.78	23.15	30.47		100	CM	Bulk
09-23-30	28267	08.56	22.85	30.74		99	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 6								
		Average Analysis :		8.65	22.88	30.39	99.4	
		CV, %		4.15	3.41	3.12		
19-19-19	28256	19.26	19.52	18.80		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
		ALL SAMPLES, % OF GUARANTEE		97.29	100.10	100.93		
		ALL SAMPLES, CV, %		3.90	3.18	3.02		
		NUMBER OF ANALYSIS		8	8	8		
		Deficiency Rate -		0.00 %				
<b>S.S. SHELBYVILLE</b>								
		SHELBYVILLE		KY				
03-08-13	27686+	03.44	08.70	13.35		100	CM	Bulk
03-08-13	27687+	03.39	08.31	14.47		101	CM	Bulk
06-15-39	28163	05.74	15.27	40.58		99	CM	Bulk
08-21-27	28161+	08.13	21.72	27.44		99	CM	Bulk
09-16-27	28165+	08.65	16.13	29.07		100	CM	Bulk
09-16-27	28166+	09.03	17.13	27.76		100	CM	Bulk
09-17-26	28167+	08.98*	15.91*	28.31		99	CM	Bulk
11-28-21	27688+	10.78	27.75	22.63		97	CM	Bulk
17-17-17	28164	17.40	17.66	18.07		99	CM	Bulk
19-19-19	27684	18.38	19.48	21.05		99	CM	Bulk
21-15-19	28162	20.11	14.40	21.41		97	CM	Bulk
21-17-17	27264	20.01	18.59	18.33		100	CM	Bulk
30-11-11	27266	28.73*	12.24	12.83		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
		ALL SAMPLES, % OF GUARANTEE		94.87	99.10	104.30		
		ALL SAMPLES, CV, %		3.38	4.57	4.19		
		NUMBER OF ANALYSIS		13	13	13		
		Deficiency Rate -		15.38 %				
<b>S.S. SOMERSET</b>								
		SOMERSET		KY				
00-08-46	28745+	09.00	09.00	47.48		101	CM	Bulk
11-23-23	27428	11.25	23.30	24.61		100	CM	Bulk
12-24-24	28748	11.77	23.11	25.01		98	CM	Bulk
17-17-17	27426	17.17	17.39	19.09		99	CM	Bulk
17-17-17	27427	17.28	16.70	19.06		98	CM	Bulk
18-18-18	27425	17.70	19.59	19.46		99	CM	Bulk
19-19-19	27433	17.90	19.73	20.69		99	CM	Bulk
19-19-19	27434	18.23	19.69	19.54		98	CM	Bulk
21-14-14	27423	20.43	14.18	15.02		99	CM	Bulk
21-14-14	27429	20.33	14.29	14.57		99	CM	Bulk
21-14-21	27424	19.43*	14.00	23.32		98	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. SOMERSET		SOMERSET		KY				
23-00-18	28747+	22.80		19.47		100	CM	Bulk
24-09-09	28746	24.77	10.12	10.03		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.90	99.59	104.65				
ALL SAMPLES, CV, %		2.55	2.74	2.69				
NUMBER OF ANALYSIS		12	12	13				
Deficiency Rate -		7.69 %						
S.S. LEBANON SPRINGFIELD SVC		SPRINGFIELD		KY				
13-08-12	28312	12.60	08.73	14.16		102	CM	Bulk
14-13-22	28321	13.49	14.47	22.91		101	CM	Bulk
15-13-19	28313	15.58	13.47	20.08		99	CM	Bulk
23-11-16	28314	22.66	11.78	17.68		101	CM	Bulk
S.S. STANFORD SERVICE		STANFORD		KY				
07-00-38	27707+	07.48		38.78		101	CM	Bulk
09-18-27	27703	09.39	19.52	32.96	*	112	CM	Bulk
09-23-30	27704	08.77	22.91	30.31		99	CM	Bulk
15-00-40	27705	14.97		40.97		100	CM	Bulk
19-19-19	27702	19.86	19.10	20.09		101	CM	Bulk
19-19-19	27710	19.35	19.28	19.41		99	CM	Bulk
21-09-23	27709	21.98	09.15	23.81		99	CM	Bulk
21-15-20	27708	21.00	16.08	19.93		100	CM	Bulk
22-09-24	27706	21.78	09.60	24.26		100	CM	Bulk
S.S. GALLATIN CO SVC		WARSAW		KY				
00-05-36	28962		13.36	31.60*		119	CM	Bulk
17-14-21	28590	16.29	14.63	22.46		100	CM	Bulk
18-09-13	28967	18.07	09.95	13.45		100	CM	Bulk
18-09-13	28968	17.81	08.31*	14.28		98	CM	Bulk
19-19-19	28589	18.70	19.45	19.49		98	CM	Bulk
20-12-18	28963	20.17	12.76	20.32		101	CM	Bulk
20-12-18	28966	20.77	12.66	19.57		101	CM	Bulk
23-07-19	28965	23.24	07.75	20.77		102	CM	Bulk
23-11-16	28591	24.03	10.87	16.89		100	CM	Bulk
24-04-20	28964	25.78	04.80	21.46		105	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.36	108.09	100.58				
ALL SAMPLES, CV, %		2.81	39.54	5.93				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate -		20.00 %						
S.S. WINCHESTER		WINCHESTER		KY				
00-00-57	28822+			54.84*		96*	Blend	Bag
00-10-30	27414		10.12	30.39		101	Blend	Bag
00-10-30	27760+		11.42	30.10		105	Blend	Bag
00-10-30	28343+		10.00	31.73		103	Blend	Bag
00-10-30	28349+		11.09	29.41		102	Blend	Bag
00-10-30	28581+		09.48	29.75		97	Blend	Bag
00-10-30	28809+		09.43	32.33		102	Blend	Bag
Statistical Analysis for Grade : 00-10-30								
Number Samples This Grade : 6								
Average Analysis :		.00	10.25	30.61		102.2		
CV, %		.00	6.66	3.78				
05-10-15	25955	05.07	09.98	16.27		104	Blend	Bag
05-10-15	25987	04.65	09.49	15.54		99	Blend	Bag
05-10-15	26528	05.09	10.20	14.89		100	Blend	Bag
05-10-15	26675	05.48	10.25	14.00		98	Blend	Bag
05-10-15	27487	05.03	10.21	16.67		106	Blend	Bag
05-10-15	27683	05.37	10.91	14.96		103	Blend	Bag
05-10-15	27691	04.72	09.47	17.77		107	Blend	Bag
05-10-15	27965	04.65	09.93	15.53		100	Blend	Bag
05-10-15	27966	05.45	10.26	15.66	*	104	Blend	Bag

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. WINCHESTER		WINCHESTER		KY				
05-10-15	28074	05.17	10.40	16.12		105	Blend	Bag
05-10-15	28097	05.62	11.05	15.63		107	Blend	Bag
05-10-15	28147	04.64	09.57	16.16		101	Blend	Bag
05-10-15	28228	05.34	10.47	14.22		99	Blend	Bag
05-10-15	28282	04.78	09.70	15.38		99	Blend	Bag
05-10-15	28287	04.70	09.91	16.26		103	Blend	Bag
05-10-15	28316	04.70	09.96	15.48		100	Blend	Bag
05-10-15	28330	05.53	11.22	15.85		108	Blend	Bag
05-10-15	28339	04.22*	08.76*	16.01		97	Blend	Bag
05-10-15	28350	04.89	11.13	17.32		111	Blend	Bag
05-10-15	28436	04.67	09.24	15.23		97	Blend	Bag
05-10-15	28448	04.88	10.13	14.35	*	97	Blend	Bag
05-10-15	28449	04.72	10.19	15.26		100	Blend	Bag
05-10-15	28524	04.83	09.53	15.21		98	Blend	Bag
05-10-15	28582	04.57*	09.69	14.66		96*	Blend	Bag
05-10-15	28587	04.95	10.25	15.90	*	103	Blend	Bag
05-10-15	28598	03.56*	09.41	16.80		99	Blend	Bag
05-10-15	28744	04.34*	08.97*	16.30		99	Blend	Bag
05-10-15	28788	04.63	09.78	15.55		100	Blend	Bag
05-10-15	28803	04.53*	10.19	14.51		97	Blend	Bag
05-10-15	28824	04.47*	08.99*	17.36	*	103	Blend	Bag
05-10-15	28851	05.56	10.30	14.70		101	Blend	Bag
05-10-15	28862	04.75	09.90	13.79*		94*	Blend	Bag
05-10-15	29023	04.51*	09.54	14.05		93*	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number Samples This Grade : 33								
Average Analysis :								
		4.85	9.96	15.55		101.4		
CV, %								
		9.03	6.00	6.38				
05-20-20	25952	04.93	20.28	20.83		101	Blend	Bag
05-20-20	28153	04.92	18.99	21.53		99	Blend	Bag
05-20-20	28227	04.70	18.73	22.09		98	Blend	Bag
05-20-20	28523	04.90	21.23	19.80		102	Blend	Bag
05-20-20	28597	04.64	18.68	22.13		98	Blend	Bag
05-20-20	28784	04.76	20.32	20.78		101	Blend	Bag
05-20-20	28850	04.89	19.85	21.50		101	Blend	Bag
05-20-20	28854	04.68	20.01	21.73		101	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number Samples This Grade : 8								
Average Analysis :								
		4.80	19.76	21.29		100.8		
CV, %								
		2.50	4.54	3.69				
06-12-12	25956	06.14	12.45	11.82		101	Blend	Bag
06-12-12	26484	06.04	11.79	12.51		100	Blend	Bag
06-12-12	26800	05.55	11.60	11.78		96*	Blend	Bag
06-24-24	26348	05.81	22.67	25.53		98	Blend	Bag
06-24-24	27432	05.36*	21.64*	25.82		95*	Blend	Bag
06-24-24	28273	05.44*	22.70	25.53		97	Blend	Bag
08-10-15	28073	08.15	10.57	13.07*	*	95*	Blend	Bag
08-10-15	28275	06.92*	11.56	13.88*		97	Blend	Bag
08-10-15	28340	08.15	11.39	14.31		102	Blend	Bag
09-18-27	27758	08.05*	16.51*	29.83		101	Blend	Bag
09-18-27	28278	07.75*	16.54*	29.70		100	Blend	Bag
09-18-27	28348	08.43	18.28	27.71		100	Blend	Bag
09-18-27	28820	07.80*	17.60	29.27		101	Blend	Bag
09-18-27	28852	07.40*	15.87*	29.08		97	Blend	Bag
Statistical Analysis for Grade : 09-18-27								
Number Samples This Grade : 5								
Average Analysis :								
		7.88	16.96	29.11		100.4		
CV, %								
		4.84	5.68	2.90				
10-10-10	25831	09.27	10.86	09.19*		98	Blend	Bag
10-10-10	25835	09.98	11.03	10.17		104	Blend	Bag
10-10-10	25953	09.35	09.83	10.15		97	Blend	Bag
10-10-10	25997	10.28	10.23	09.81		101	Blend	Bag
10-10-10	26207	09.55	10.05	09.77		97	Blend	Bag
10-10-10	26240	08.86*	09.58	10.21		94*	Blend	Bag
10-10-10	26371	10.39	11.09	09.28		104	Blend	Bag
10-10-10	26375	09.14	10.80	09.96		99	Blend	Bag
10-10-10	26483	09.02*	10.67	10.82		100	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. WINCHESTER		WINCHESTER	KY					
10-10-10	26526	08.72*	15.85	11.03		119	Blend	Bag
10-10-10	26673	10.34	11.21	09.65		105	Blend	Bag
10-10-10	26801	09.17	10.33	10.49		98	Blend	Bag
10-10-10	26808	08.13*	09.17	08.28*		85*	Blend	Bag
10-10-10	27179	09.15	09.82	10.77		97	Blend	Bag
10-10-10	27184	09.25	09.62	10.83		97	Blend	Bag
10-10-10	27412	09.24	09.63	10.86		97	Blend	Bag
10-10-10	27431	10.09	10.82	08.73*		100	Blend	Bag
10-10-10	27486	09.36	10.33	09.74		98	Blend	Bag
10-10-10	27682	09.93	10.20	10.40		101	Blend	Bag
10-10-10	27759	08.35*	09.29	11.35		93*	Blend	Bag
10-10-10	27883	08.00*	09.17	09.93		88*	Blend	Bag
10-10-10	27963	09.19	09.96	10.93		98	Blend	Bag
10-10-10	28002	09.21	10.63	09.48		98	Blend	Bag
10-10-10	28075	08.11*	08.77*	10.89		89*	Blend	Bag
10-10-10	28151	07.81*	09.64	10.63		91*	Blend	Bag
10-10-10	28199	09.50	09.79	10.25		97	Blend	Bag
10-10-10	28229	08.50*	09.19	10.68		92*	Blend	Bag
10-10-10	28277	09.50	09.56	11.78		100	Blend	Bag
10-10-10	28295	09.27	10.70	12.89		106	Blend	Bag
10-10-10	28315	09.44	10.65	08.66*		97	Blend	Bag
10-10-10	28331	09.62	09.86	09.81		97	Blend	Bag
10-10-10	28338	09.07*	10.22	08.77*		94*	Blend	Bag
10-10-10	28346	10.22	10.55	11.33		105	Blend	Bag
10-10-10	28434	10.98	11.74	11.28		113	Blend	Bag
10-10-10	28445	09.00*	11.09	10.49		101	Blend	Bag
10-10-10	28447	10.58	11.04	09.55		105	Blend	Bag
10-10-10	28526	09.26	09.83	09.00*		94*	Blend	Bag
10-10-10	28583	08.83*	09.23	10.31		93*	Blend	Bag
10-10-10	28592	11.59	11.54	07.83*		107	Blend	Bag
10-10-10	28786	08.12*	10.24	11.78		97	Blend	Bag
10-10-10	28808	09.48	10.39	10.92		101	Blend	Bag
10-10-10	28823	09.42	09.95	10.50		98	Blend	Bag
10-10-10	28849	09.87	10.32	10.95		102	Blend	Bag
10-10-10	28855	09.19	09.69	11.33		98	Blend	Bag
10-10-10	29024	10.90	10.41	11.09		107	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 45								
Average Analysis :								
CV, %								
		9.38	10.32	10.27		99.3		
		8.63	10.48	9.74				
10-10-20	28272	08.48*	09.13	21.67		98	Blend	Bag
10-10-20	28342	09.29	09.88	20.51		99	Blend	Bag
10-10-20	28863	09.67	09.55	21.86		103	Blend	Bag
12-12-12	25834	11.58	12.83	13.75		104	Blend	Bag
12-12-12	25988	11.57	12.09	13.86		102	Blend	Bag
12-12-12	26799	11.01	13.03	11.83		99	Blend	Bag
12-12-12	28149	10.19*	12.41	13.33		97	Blend	Bag
12-12-12	28150	11.53	12.52	13.10		102	Blend	Bag
12-12-12	28588	10.58*	11.80	14.60		99	Blend	Bag
12-12-12	28785	12.25	12.68	13.32		105	Blend	Bag
Statistical Analysis for Grade : 12-12-12								
Number Samples This Grade : 7								
Average Analysis :								
CV, %								
		11.24	12.48	13.39		101.5		
		6.20	3.40	6.34				
13-34-11	26060+	12.84	32.96	13.57		100	Blend	Bag
15-09-15	28274	13.15*	08.16	17.13	*	99	Blend	Bag
15-15-15	27430	13.44*	14.92	15.09		95*	Blend	Bag
15-15-15	28285	13.86	15.20	15.01		97	Blend	Bag
15-15-15	28743	13.33*	14.26	16.50	*	98	Blend	Bag
15-15-15	28757	13.64*	16.09	15.23		99	Blend	Bag
19-19-19	25546	18.16	18.79	20.46		99	Blend	Bag
19-19-19	25833	18.36	19.79	20.57		102	Blend	Bag
19-19-19	25950	18.96	20.74	18.69		103	Blend	Bag
19-19-19	25951	19.24	19.61	19.14		101	Blend	Bag
19-19-19	25989	18.79	19.69	18.98		100	Blend	Bag
19-19-19	25996	18.57	19.83	20.02		101	Blend	Bag
19-19-19	26061	19.12	19.26	19.57		101	Blend	Bag
19-19-19	26208	18.17	18.16	21.48		99	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
S.S. WINCHESTER		WINCHESTER		KY				
19-19-19	26209	18.75	19.52	19.74		101	Blend	Bag
19-19-19	26239	18.45	20.14	19.82		102	Blend	Bag
19-19-19	26346	18.52	20.02	19.81		101	Blend	Bag
19-19-19	26372	18.52	19.20	19.40		99	Blend	Bag
19-19-19	26376	19.21	19.71	18.90		101	Blend	Bag
19-19-19	26482	19.09	20.28	18.85		102	Blend	Bag
19-19-19	26674	18.72	19.44	20.15		101	Blend	Bag
19-19-19	27178	18.38	19.81	19.67		101	Blend	Bag
19-19-19	27413	18.41	18.06	20.85		99	Blend	Bag
19-19-19	27485	17.72	19.61	20.17		99	Blend	Bag
19-19-19	27692	19.04	19.47	20.20		102	Blend	Bag
19-19-19	27757	17.95	18.93	21.55		100	Blend	Bag
19-19-19	27964	18.48	18.89	20.19		100	Blend	Bag
19-19-19	28096	18.17	19.97	19.94		101	Blend	Bag
19-19-19	28148	18.66	19.81	20.03		102	Blend	Bag
19-19-19	28152	16.31*	20.08	22.09		100	Blend	Bag
19-19-19	28226	17.78	19.34	20.67		100	Blend	Bag
19-19-19	28276	17.69	18.81	21.07		99	Blend	Bag
19-19-19	28286	18.75	20.04	18.37		100	Blend	Bag
19-19-19	28329	18.75	19.70	18.81		100	Blend	Bag
19-19-19	28341	18.33	19.35	20.26		100	Blend	Bag
19-19-19	28347	18.25	18.75	19.26		98	Blend	Bag
19-19-19	28420	18.96	18.34	19.46		99	Blend	Bag
19-19-19	28435	18.22	19.41	20.39		100	Blend	Bag
19-19-19	28446	18.18	19.83	19.92		100	Blend	Bag
19-19-19	28525	18.47	18.78	20.26		99	Blend	Bag
19-19-19	28584	17.63	19.17	20.96		99	Blend	Bag
19-19-19	28593	17.92	20.06	19.70		100	Blend	Bag
19-19-19	28594	17.97	20.76	19.49		101	Blend	Bag
19-19-19	28756	19.12	19.15	19.48		101	Blend	Bag
19-19-19	28787	18.64	20.14	18.50		100	Blend	Bag
19-19-19	28804	18.26	20.43	18.90		101	Blend	Bag
19-19-19	28821	18.83	20.21	18.92		101	Blend	Bag
19-19-19	28853	18.62	19.65	19.95		101	Blend	Bag
19-19-19	28856	18.65	20.21	19.15		101	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 43								
Average Analysis :								
		18.43	19.55	19.85		100.9		
CV, %		2.92	3.23	4.25				
20-10-10	28198	18.88	10.04	10.41		97	Blend	Bag
25-15-15	28197	22.27*	14.83	15.87		94*	CM	Bag
30-06-16	26059	26.53*	10.06	16.92		101	CM	Bag
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		95.17	101.51	104.19				
ALL SAMPLES, CV, %		40.73	34.28	65.58				
NUMBER OF ANALYSIS		162	168	169				
Deficiency Rate - 27.21 %								
S.S. CLARK		WINCHESTER		KY				
15-13-20	28397	15.69	13.78	20.24		101	CM	Bulk
16-12-18	28391	16.91	12.30	19.01		100	CM	Bulk
17-11-17	28392	17.66	11.71	18.27		100	CM	Bulk
17-11-17	28393	17.67	11.95	18.38		101	CM	Bulk
19-00-20	28398+	20.48		20.28		101	CM	Bulk
20-05-18	28396	19.77	05.50	18.64		102	CM	Bulk
21-00-26	28395	20.61		27.07		99	CM	Bulk
23-00-11	28394+	24.10		12.09		101	CM	Bulk
28-09-00	28389+	29.12	09.38			102	CM	Bulk
35-16-00	28390	35.38	16.86			99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.81	101.52	102.29				
ALL SAMPLES, CV, %		2.28	3.75	1.23				
NUMBER OF ANALYSIS		10	7	8				
Deficiency Rate - 0.00 %								

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
STANLEY CROP SERVICES		STANLEY		KY				
00-00-50	26344			51.04		102	Mat	Bulk
00-00-60	26345			61.19		101	Mat	Bulk
06-15-40	27840	06.10	16.13	40.17		102	CM	Bulk
09-23-30	27836	09.17	22.97	29.48		99	CM	Bulk
09-23-30	27837	08.86	22.90	29.74		99	CM	Bulk
09-23-30	27839	08.85	22.87	29.27		98	CM	Bulk
16-18-24	27640	16.42	19.32	24.33		102	CM	Bulk
18-46-00	26343	17.57	46.20			99	Mat	Bulk
19-06-25	27838	18.75	06.74	25.41		100	CM	Bulk
19-10-26	27638	19.74	10.52	27.21		102	CM	Bulk
20-12-20	27251	20.27	12.28	20.10		100	CM	Bulk
22-14-19	27639	21.85	16.12	19.35		102	CM	Bulk
24-13-17	27841	25.55	13.22	16.43		100	CM	Bulk
46-00-00	26342	46.00				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.13	101.77	100.40				
ALL SAMPLES, CV, %		1.76	2.99	2.01				
NUMBER OF ANALYSIS		12	11	12				
Deficiency Rate -		0.00 %						
SUNWRAY LIQUID FERT., INC.		WINGO		KY				
00-00-60	26023			60.76		101	Mat	Bulk
05-13-17	25787	05.79	12.85	18.53		101	CM	Bulk
05-13-17	25788	05.94	14.26	18.96		107	CM	Bulk
09-23-30	25776	09.14	24.16	29.67		102	CM	Bulk
09-23-30	27612	09.02	23.31	30.86		101	CM	Bulk
09-23-30	27613	09.19	23.83	30.23		102	CM	Bulk
09-23-30	27614	08.95	22.67	31.74		101	CM	Bulk
09-23-30	27615	09.05	23.62	30.56		102	CM	Bulk
09-23-30	27616	08.83	23.12	31.36		101	CM	Bulk
Statistical Analysis for Grade : 09-23-30								
Number Samples This Grade : 6								
Average Analysis :		9.03	23.45	30.73		101.8		
CV, %		1.44	2.26	2.45				
12-30-20	27617	12.04	30.82	20.25		100	CM	Bulk
18-46-00	26024	17.70	46.23			99	Mat	Bulk
34-00-00	26022	33.17				97	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		100.21	101.34	102.62				
ALL SAMPLES, CV, %		4.78	2.94	2.64				
NUMBER OF ANALYSIS		11	10	10				
Deficiency Rate -		0.00 %						
SWISS FARMS PRODUCTS		LAS VEGAS		NV				
00-00-00	27797	00.58	00.11	00.12		244	Mnfr	Bag
18-24-16	28687+	19.06	25.94	17.22		107	Mnfr	Bag
20-00-00	26722	21.21				106	Mnfr	Liq
30-10-10	26724+	29.53	11.40	09.39		101	Mnfr	Bag
G M TAYLOR SEED COMPANY		GEORGETOWN		KY				
00-00-50	28482			50.41		100	Mat	Bulk
00-00-60	28481			60.13		100	Mat	Bulk
06-15-40	29018	05.59	14.28	42.14		99	CM	Bulk
08-00-08	28633	07.46		08.97		97	CM	Bulk
09-08-16	28486	09.43	07.28*	17.20		98	CM	Bulk
09-08-16	28487	09.12	08.00	16.36		97	CM	Bulk
10-00-11	28632	09.94*		11.62		95*	CM	Bulk
18-46-00	28485	17.98	46.40			100	Mat	Bulk
26-00-11	28430	26.62		11.70		99	CM	Bulk
34-00-00	28483	33.95				99	Mat	Bulk
46-00-00	28484	46.06				100	Mat	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
G M TAYLOR SEED COMPANY		GEORGETOWN		KY				
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		98.58	97.55	101.33				
ALL SAMPLES, CV, %		3.71	5.70	2.27				
NUMBER OF ANALYSIS		9	4	8				
Deficiency Rate -		18.18 %						
TETRA MICRONUTRIENTS		HOUSTON		TX				
00-00-00	27265+						Blend	Bag
TRACE CHEM., INC.		PEKIN		IL				
00-00-00	28476+						Mat	Liq
00-00-00	28478+						Mat	Liq
TRI-COUNTY FERTILIZER CO. INC		RICHMOND		KY				
00-00-60	26087			60.71		101	Mat	Bulk
08-05-07	28403	07.76	05.88	07.40		99	CM	Bulk
09-18-27	28404	08.08*	17.00	27.56		97	CM	Bulk
09-18-27	28405	08.21	16.84	27.88		98	CM	Bulk
13-15-23	28402	13.62	15.90	23.55		100	CM	Bulk
14-07-11	28406	13.98	08.63	11.20		99	CM	Bulk
19-19-19	28401	18.51	18.96	19.77		99	CM	Bulk
46-00-00	26088	46.20				100	Mat	Bulk
TRIMBLE CO. FARM SUPPLY		MILTON		KY				
00-00-50	28549			51.09		102	Mat	Bulk
00-00-60	27697			60.44		100	Mat	Bulk
09-18-27	28551	09.44	19.46	26.55		99	CM	Bulk
09-23-30	25731	08.56	22.46	31.88		100	CM	Bulk
10-07-10	28550	09.54	07.85	10.77		101	CM	Bulk
10-26-25	25730	10.11	26.06	26.00		99	CM	Bulk
12-10-15	28937	13.21	09.26*	17.39		102	CM	Bulk
13-04-07	28938	13.03	05.70	07.20		99	CM	Bulk
15-09-14	28935	15.65	10.20	14.33		100	CM	Bulk
15-09-14	28936	16.56	09.63	14.73		102	CM	Bulk
18-46-00	27695	17.98	45.80			99	Mat	Bulk
20-12-18	28548	20.59	13.52	18.85		101	CM	Bulk
46-00-00	27696	45.97				99	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		99.55	101.12	101.54				
ALL SAMPLES, CV, %		3.52	7.81	3.60				
NUMBER OF ANALYSIS		11	10	11				
Deficiency Rate -		7.69 %						
TYLER ENTERPRISES, INC		ELWOOD		IL				
20-03-05	25927+	16.28*	02.70	05.14		84*	Blend	Bag
20-03-05	26550+	18.60	02.66	05.20		93*	Blend	Bag
U S BORAX INC		VALENCIA		CA				
00-00-00	26287+						Mat	Bag
00-00-00	26676+						Mat	Bag
00-00-00	26746+						Mat	Bag
00-00-00	26749+						Mat	Bag
00-00-00	26750+						Mat	Bag
00-00-00	27186+						Mat	Bag
00-00-00	27582+						Mat	Bag
00-00-00	27711+						Mat	Bag
00-00-00	28119+						Mat	Bag
00-00-00	28230+						Mat	Bag
00-00-00	28421+						Mat	Bag
00-00-00	28423+						Mat	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
VALLEY FARM CENTER, INC.		MONTICELLO		KY				
00-00-60	26359			60.67		101	Mat	Bulk
06-26-25	27267	06.53	17.20*	26.36		81*	CM	Bulk
17-17-17	27068	17.64	18.04	17.62		100	CM	Bulk
17-17-17	27069	18.38	19.07	15.97*		102	CM	Bulk
17-17-17	27071	17.80	17.71	16.92		98	CM	Bulk
17-17-17	27073	18.00	17.34	17.28		99	CM	Bulk
17-17-17	28195	17.72	17.38	18.40		100	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number Samples This Grade : 5								
Average Analysis :								
		17.90	17.90	17.23		100.0		
CV, %								
		1.65	3.95	5.19				
17-18-17	27070	18.03	17.76	17.01		99	CM	Bulk
18-46-00	26360	17.55	45.94			99	Mat	Bulk
19-15-15	27072+	19.75	14.46	14.89		99	CM	Bulk
19-19-19	27074	18.73	19.40	19.62		99	CM	Bulk
23-16-16	27268	22.51	16.07	17.93		99	CM	Bulk
34-00-00	26358	34.09				100	Mat	Bulk
46-00-00	26361	46.15				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 99.72 96.16 99.98								
ALL SAMPLES, CV, % 2.34 11.05 5.04								
NUMBER OF ANALYSIS 13 11 11								
Deficiency Rate - 14.28 %								
VALLEY FERTILIZER SERVICE		EDMONTON		KY				
05-10-10	27547	04.81	10.61	09.79		101	Blend	Bag
05-10-10	27555	04.85	10.86	09.84		102	Blend	Bag
14-06-09	28359	13.96	06.65	09.53		98	CM	Bulk
19-19-19	26563	17.82*	19.83	21.35		99	CM	Bulk
19-19-19	26564	18.01	20.94	20.53		101	CM	Bulk
19-19-19	26566	18.40	19.87	20.76		100	CM	Bulk
19-19-19	26567	16.40*	15.28*	27.25		94*	CM	Bulk
19-19-19	26570	19.16	20.36	19.76		101	CM	Bulk
19-19-19	26571	17.78*	19.73	22.42		100	CM	Bulk
19-19-19	26572	16.72*	19.90	22.62		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 7								
Average Analysis :								
		17.75	19.41	22.09		99.6		
CV, %								
		5.32	9.64	11.26				
21-09-14	28358	20.11	09.12	17.33		104	CM	Bulk
23-16-16	26565	22.39	17.21	18.68		102	CM	Bulk
26-14-13	26568	24.52*	16.55	15.30		101	CM	Bulk
26-14-13	26569	25.32	14.05	16.93		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 92.55 102.06 113.83								
ALL SAMPLES, CV, % 4.39 8.56 10.77								
NUMBER OF ANALYSIS 14 14 14								
Deficiency Rate - 35.71 %								
VOLUNTARY PURCHASING GROUP		BONHAM		TX				
04-10-03	26517	04.27	10.43	03.17		105	Mnfr	Liq
05-02-02	28504	05.14	01.33*	01.76		92*	Mnfr	Liq
06-07-07	27941	06.19	07.56	07.79		107	Mnfr	Bag
09-15-13	27792+	11.12	15.42	13.34		108	Mnfr	Bag
09-59-08	27467	09.05	58.24	08.40		99	Mnfr	Bag
18-06-12	28503+	18.91	06.51	12.10		104	Mnfr	Bag
21-00-00	27942+	21.05				100	Mnfr	Bag
28-04-04	27407+	29.83	04.53	04.29		107	Blend	Bag
WARNER FERTILIZER CO.		ALBANY		KY				
10-03-09	28981	10.17	04.19	10.55		107	CM	Bulk
12-24-24	26651	12.15	25.21	24.27		103	CM	Bulk
12-24-24	26652	12.18	25.26	24.54		103	CM	Bulk



ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
WARNER FERTILIZER CO.		ALBANY		KY				
16-12-18	28979	16.99	10.43*	21.21		102	CM	Bulk
16-12-18	28980	16.44	12.61	20.12		103	CM	Bulk
21-10-10	28982	21.86	09.53*	12.36		101	CM	Bulk
27-13-13	26650	27.35	13.90	13.89		103	CM	Bulk
WARNER FERTILIZER CO.		CAMPBELLSVILL		KY				
19-11-18	28769	19.60	11.34	18.42		99	CM	Bulk
20-12-18	28770	21.76	12.68	19.24		102	CM	Bulk
21-14-14	28772	21.25	14.91	13.40		101	CM	Bulk
26-04-08	28771	27.00	04.82	08.46		101	CM	Bulk
32-05-13	28324	32.66	05.47	13.01		100	CM	Bulk
WARNER FERTILIZER CO.		COLUMBIA		KY				
06-26-25	28680	06.21	36.43	12.39*		104	CM	Bulk
17-13-13	28679	18.03	12.13	18.52		112	CM	Bulk
19-19-19	27436	18.02	17.94	22.55		99	CM	Bulk
19-19-19	27440	17.18*	20.01	21.61		101	CM	Bulk
19-19-19	27441	18.25	19.43	21.23		101	CM	Bulk
19-19-19	27442	16.83*	18.54	23.21		99	CM	Bulk
19-19-19	27444	16.07*	24.63	18.79		104	CM	Bulk
Statistical Analysis for Grade : 19-19-19		Number Samples This Grade :		5				
Average Analysis :		17.27	20.11	21.47		101.4		
CV, %		5.15	13.17	7.87				
25-08-10	27435	25.37	07.59	10.59		99	CM	Bulk
25-14-14	28678	24.34	15.93	15.31		99	CM	Bulk
27-13-13	27443	25.90	13.85	15.36		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES		ALL SAMPLES, % OF GUARANTEE		94.49	108.99	103.97		
ALL SAMPLES, CV, %		5.96	14.89	22.57				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		40.00 %						
WARNER FERTILIZER CO.		E. BERNSTADT		KY				
00-13-41	27714+		15.32	40.09		102	CM	Bulk
05-22-22	27717	05.69	24.27	23.49		104	CM	Bulk
06-26-26	27715	06.19	27.25	26.17		103	CM	Bulk
19-19-19	27716	19.94	19.06	19.77		103	CM	Bulk
19-19-19	27718	19.37	19.56	19.92		102	CM	Bulk
19-19-19	27719	19.41	18.88	20.20		102	CM	Bulk
19-19-19	27720	20.42	15.75*	21.69		99	CM	Bulk
19-19-19	27721	18.26	19.02	21.52		101	CM	Bulk
19-19-19	27722	20.24	17.89	20.01		101	CM	Bulk
19-19-19	27723	19.36	19.55	19.47		102	CM	Bulk
Statistical Analysis for Grade : 19-19-19		Number Samples This Grade :		7				
Average Analysis :		19.57	18.53	20.36		101.8		
CV, %		3.69	7.26	4.29				
STATISTICAL ANALYSIS FOR ALL SAMPLES		ALL SAMPLES, % OF GUARANTEE		103.18	100.43	104.08		
ALL SAMPLES, CV, %		3.50	7.63	5.00				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate -		10.00 %						
WARNER FERTILIZER CO		LIBERTY		KY				
08-17-26	28372	09.23	18.71	28.99		106	CM	Bulk
08-17-26	28672	08.66	17.99	29.53		104	CM	Bulk
09-18-27	28671	09.51	19.34	28.34		105	CM	Bulk
16-00-18	28673	15.17		20.15		101	CM	Bulk
17-00-30	28676	16.68		30.54		99	CM	Bulk
17-17-17	28374	16.54	17.23	17.29		99	CM	Bulk
18-18-18	28670	18.67	19.30	20.06		102	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
WARNER FERTILIZER CO								
		LIBERTY		KY				
19-19-19	28373	18.72	19.45	19.03		100	CM	Bulk
19-19-19	28675	18.19	19.54	19.30		99	CM	Bulk
19-19-19	28677	18.33	19.04	18.76		98	CM	Bulk
22-10-18	28674	21.60	10.24	19.97		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		97.44	102.53	104.70				
ALL SAMPLES, CV, %		3.71	2.33	3.68				
NUMBER OF ANALYSIS		11	9	11				
Deficiency Rate -		0.00 %						
WARNER FERTILIZER CO.								
		NANCY		KY				
15-15-15	27302	15.01	14.31	15.29		98	CM	Bulk
17-17-17	26653	17.20	20.10	17.75		108	CM	Bulk
17-17-17	27295	17.78	16.99	18.52		103	CM	Bulk
17-17-17	27296	18.20	17.25	17.82		104	CM	Bulk
17-17-17	27297	17.83	17.71	17.58		104	CM	Bulk
17-17-17	27299	17.97	17.65	17.77		104	CM	Bulk
17-17-17	27300	18.45	17.44	17.75		105	CM	Bulk
17-17-17	27303	16.82	18.96	18.92		106	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number Samples This Grade : 7								
Average Analysis :		17.75	18.01	18.01		105.3		
CV, %		3.18	6.17	2.77				
19-19-19	27294	17.82	20.92	19.98		102	CM	Bulk
19-23-15	27298	18.80	25.25	15.45		101	CM	Bulk
20-15-15	27301	20.18	14.67	14.81		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		101.78	105.06	104.32				
ALL SAMPLES, CV, %		4.57	6.31	3.63				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate -		0.00 %						
WARNER FERTILIZER CO.								
		RUSSELL SPRGS		KY				
08-20-26	28189	07.48	19.95	28.18		98	CM	Bulk
09-23-30	28193	08.55	24.31	29.05		100	CM	Bulk
19-19-19	28187	18.93	20.27	19.24		102	CM	Bulk
19-19-19	28190	18.45	19.38	18.40		98	CM	Bulk
19-19-19	28194	17.67	20.13	18.84		99	CM	Bulk
20-10-09	28192	18.72	10.17	10.39		97	CM	Bulk
24-10-20	28185	23.26	10.03	20.33		98	CM	Bulk
24-10-20	28186	24.47	10.39	18.73*		100	CM	Bulk
24-10-20	28188	23.13	10.35	20.44		99	CM	Bulk
24-10-20	28191	22.88	10.68	20.92		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE		96.55	103.30	100.31				
ALL SAMPLES, CV, %		3.09	3.17	3.81				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate -		10.00 %						
WARNER FERTILIZER CO.								
		SOMERSET		KY				
00-00-50	26117			51.83		103	Mat	Bulk
00-00-50	28768			51.78		103	Mat	Bulk
00-00-60	25845			60.41		100	Mat	Bulk
00-00-60	25975			60.91		101	Mat	Bulk
00-00-60	26002			60.60		101	Mat	Bulk
00-00-60	26065			60.49		100	Mat	Bulk
00-00-60	26099			60.48		100	Mat	Bulk
00-00-60	26103			60.36		100	Mat	Bulk
00-00-60	26120			60.18		100	Mat	Bulk
00-00-60	26148			60.69		101	Mat	Bulk
00-00-60	26201			60.51		100	Mat	Bulk
00-00-60	26262			60.94		101	Mat	Bulk
00-00-60	26273			60.81		101	Mat	Bulk

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
WARNER FERTILIZER CO. SOMERSET KY								
00-00-60	26312			61.16		101	Mat	Bulk
00-00-60	26556			61.23		102	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number Samples This Grade : 13								
Average Analysis :								
CV, %		.00	.00	60.67		101.1		
		.00	.00	.52				
00-20-20	26967		18.91	21.79		99	Blend	Bag
00-46-00	25847		46.19			100	Mat	Bulk
00-46-00	26145		46.12			100	Mat	Bulk
00-46-00	26150		45.88			99	Mat	Bulk
00-46-00	26202		46.14			100	Mat	Bulk
00-46-00	26264		46.32			100	Mat	Bulk
00-46-00	26315		45.89			99	Mat	Bulk
Statistical Analysis for Grade : 00-46-00								
Number Samples This Grade : 6								
Average Analysis :								
CV, %		.00	46.09	.00		100.1		
		.00	.06	.00				
05-10-15	26154	04.71	09.34	15.18		97	Blend	Bag
05-10-15	26614	04.70	09.62	15.96		101	Blend	Bag
05-10-15	26648	03.81*	09.00*	17.86		103	Blend	Bag
05-10-15	26958	03.46*	07.76*	16.60		93*	Blend	Bag
05-10-15	26960	04.07*	08.86*	16.59		99	Blend	Bag
05-10-15	27437	04.46*	09.23	15.67		98	Blend	Bag
05-10-15	27539	04.01*	07.96*	17.56		99	Blend	Bag
05-10-15	28323	05.14	11.00	14.03		100	Blend	Bag
05-10-15	29007	03.38*	07.91*	17.82		98	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number Samples This Grade : 9								
Average Analysis :								
CV, %		4.19	8.96	16.36		99.0		
		14.32	11.40	7.90				
05-20-20	26153	04.06*	19.14	18.96		93*	Blend	Bag
05-20-20	26265	04.28*	17.12*	18.69*		88*	Blend	Bag
05-20-20	26966	04.89	20.34	20.62		101	Blend	Bag
05-20-20	27293	04.54*	15.66*	18.98		85*	Blend	Bag
05-20-20	29032	05.03	21.42	19.90		103	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number Samples This Grade : 5								
Average Analysis :								
CV, %		4.56	18.73	19.43		94.4		
		8.89	12.52	4.15				
06-12-12	26486	05.37*	10.23*	10.72*		87*	Blend	Bag
06-12-12	26649	05.38*	10.42*	10.73*		88*	Blend	Bag
06-12-12	27062	04.93*	10.20*	11.63		87*	Blend	Bag
06-12-12	27541	04.63*	09.82*	11.90		85*	Blend	Bag
06-12-12	27546	04.73*	10.00*	09.61*		81*	Blend	Bag
06-12-12	27553	05.06*	10.26*	12.41		90*	Blend	Bag
Statistical Analysis for Grade : 06-12-12								
Number Samples This Grade : 6								
Average Analysis :								
CV, %		5.01	10.15	11.16		86.6		
		6.29	2.08	9.05				
08-26-26	27724	08.42	25.45	27.31		101	CM	Bulk
10-10-10	26152	09.49	10.02	09.67		97	Blend	Bag
10-10-10	26256	07.81*	08.68*	09.33		84*	Blend	Bag
10-10-10	26267	08.76*	09.68	09.29		92*	Blend	Bag
10-10-10	26446	09.29	10.00	10.08		97	Blend	Bag
10-10-10	26485	06.62*	08.48*	09.68		79*	Blend	Bag
10-10-10	26611	06.89*	07.83*	08.26*		75*	Blend	Bag
10-10-10	26645	09.21	10.38	09.55		97	Blend	Bag
10-10-10	26793	08.43*	08.53*	10.74		89*	Blend	Bag
10-10-10	26930	10.23	10.45	09.56		101	Blend	Bag
10-10-10	26962	08.26*	10.08	09.89		93*	Blend	Bag
10-10-10	27060	10.22	10.16	10.21		101	Blend	Bag
10-10-10	27292	07.97*	09.16	09.84		88*	Blend	Bag
10-10-10	27438	06.47*	07.75*	10.23		77*	Blend	Bag
10-10-10	27540	07.50*	08.42*	09.31		82*	Blend	Bag
10-10-10	27545	08.24*	09.49	09.62		90*	Blend	Bag

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
WARNER FERTILIZER CO.		SOMERSET		KY				
10-10-10	27548	09.70	10.61	09.76		100	Blend	Bag
10-10-10	27554	07.38*	08.64*	09.76		83*	Blend	Bag
10-10-10	28064	07.93*	09.56	09.57		89*	Blend	Bag
10-10-10	28360	10.24	10.62	10.08		103	Blend	Bag
10-10-10	28375	08.75*	09.28	09.89		92*	Blend	Bag
10-10-10	29006	08.18*	09.23	11.09		92*	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number Samples This Grade : 21								
Average Analysis :		8.45	9.38	9.78		90.9		
CV, %		13.59	9.48	5.78				
10-20-20	26963	09.73	21.75	20.43		104	Blend	Bag
12-24-24	26964	11.93	25.55	25.17		104	Blend	Bag
15-15-15	26255	13.78	15.61	16.10		101	Blend	Bag
15-15-15	26613	14.08	15.65	15.00		99	Blend	Bag
15-15-15	26647	15.35	16.34	15.62		105	Blend	Bag
15-15-15	26929	15.39	15.03	13.90*		99	Blend	Bag
15-15-15	26961	12.78*	14.87	14.99		93*	Blend	Bag
15-15-15	26965	13.61*	15.80	16.76		102	Blend	Bag
15-15-15	27439	12.16*	14.54	14.22		90*	Blend	Bag
15-15-15	28066	16.90	15.79	14.22		105	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number Samples This Grade : 8								
Average Analysis :		14.25	15.45	15.10		99.7		
CV, %		10.84	3.81	6.63				
18-46-00	25846	17.24	45.44			97	Mat	Bulk
18-46-00	25977	17.56	45.64			98	Mat	Bulk
18-46-00	26001	17.46	45.12			97	Mat	Bulk
18-46-00	26063	17.81	46.04			99	Mat	Bulk
18-46-00	26101	17.48	45.47			98	Mat	Bulk
18-46-00	26105	17.42	45.08			97	Mat	Bulk
18-46-00	26118	18.06	46.77			101	Mat	Bulk
18-46-00	26147	17.97	46.20			100	Mat	Bulk
18-46-00	26199	17.65	46.02			99	Mat	Bulk
18-46-00	26261	17.73	46.30			100	Mat	Bulk
18-46-00	26272	17.25	45.30			97	Mat	Bulk
18-46-00	26313	16.90	46.44			98	Mat	Bulk
18-46-00	26555	17.25	45.59			98	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number Samples This Grade : 13								
Average Analysis :		17.52	45.80	.00		98.9		
CV, %		1.85	1.16	.00				
19-19-19	26151	18.33	19.68	19.15		100	Blend	Bag
19-19-19	26254	18.33	19.69	18.80		99	Blend	Bag
19-19-19	26266	18.55	19.22	19.78		100	Blend	Bag
19-19-19	26445	17.17*	19.14	19.89		97	Blend	Bag
19-19-19	26507	17.05*	19.64	20.90		99	Blend	Bag
19-19-19	26612	15.05*	17.92	25.40		96*	Blend	Bag
19-19-19	26646	17.61	20.17	19.19		99	Blend	Bag
19-19-19	26794	18.26	19.75	17.78*		98	Blend	Bag
19-19-19	26928	16.69*	19.14	21.66		98	Blend	Bag
19-19-19	26959	17.86	19.28	20.24		99	Blend	Bag
19-19-19	27061	18.22	18.99	18.84		98	Blend	Bag
19-19-19	27538	17.87	18.76	20.23		98	Blend	Bag
19-19-19	27725	19.29	20.52	18.85		103	CM	Bulk
19-19-19	27727	18.85	19.65	19.92		102	CM	Bulk
19-19-19	27728	18.19	20.88	19.74		102	CM	Bulk
19-19-19	27729	19.35	19.54	19.94		102	CM	Bulk
19-19-19	27731	19.13	20.94	18.70		103	CM	Bulk
19-19-19	27732	18.79	20.24	19.64		102	CM	Bulk
19-19-19	28065	18.69	19.37	18.91		99	Blend	Bag
19-19-19	28322	18.19	19.95	19.42		100	Blend	Bag
19-19-19	28376	18.83	18.48	18.43		97	Blend	Bag

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
WARNER FERTILIZER CO. SOMERSET KY								
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 21								
Average Analysis : 18.10 19.56 19.78 100.1								
CV, % 5.51 3.79 7.84								
20-10-10	28825	16.22*	10.37	10.58		91*	Blend	Bag
27-13-13	27726	26.45	13.69	14.58		102	CM	Bulk
27-13-13	27730	27.25	13.75	13.84		103	CM	Bulk
34-00-00	25976	33.79				99	Mat	Bulk
34-00-00	26003	33.62				98	Mat	Bulk
34-00-00	26062	33.90				99	Mat	Bulk
34-00-00	26100	33.85				99	Mat	Bulk
34-00-00	26104	33.89				99	Mat	Bulk
34-00-00	26122	33.87				99	Mat	Bulk
34-00-00	26149	34.11				100	Mat	Bulk
34-00-00	26200	33.88				99	Mat	Bulk
34-00-00	26263	34.28				100	Mat	Bulk
34-00-00	26314	33.70				99	Mat	Bulk
34-00-00	26554	34.32				100	Mat	Bulk
34-00-00	26615	34.50				101	Mat	Bag
Statistical Analysis for Grade : 34-00-00								
Number Samples This Grade : 12								
Average Analysis : 33.97 .00 .00 99.9								
CV, % .78 .00 .00								
46-00-00	25844	45.95				99	Mat	Bulk
46-00-00	25974	46.11				100	Mat	Bulk
46-00-00	26006	45.35				98	Mat	Bulk
46-00-00	26064	45.54				99	Mat	Bulk
46-00-00	26102	45.61				99	Mat	Bulk
46-00-00	26106	45.93				99	Mat	Bulk
46-00-00	26119	46.20				100	Mat	Bulk
46-00-00	26146	46.17				100	Mat	Bulk
46-00-00	26198	46.20				100	Mat	Bulk
46-00-00	26260	46.20				100	Mat	Bulk
46-00-00	26316	45.91				99	Mat	Bulk
46-00-00	26557	45.95				99	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number Samples This Grade : 12								
Average Analysis : 45.92 .00 .00 99.8								
CV, % .62 .00 .00								
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 96.06 98.86 101.81								
ALL SAMPLES, CV, % 96.26 8.60 7.32								
NUMBER OF ANALYSIS 113 96 92								
Deficiency Rate - 28.88 %								
WARNER FERTILIZER CO. STANFORD KY								
06-26-26	27649	05.66	25.70	26.87		99	CM	Bulk
15-15-15	27647	15.73	15.63	17.25		104	CM	Bulk
19-19-19	27645	17.28*	20.33	20.76		101	CM	Bulk
19-19-19	27646	18.74	19.98	19.59		102	CM	Bulk
19-19-19	27648	18.61	18.98	20.32		100	CM	Bulk
19-19-19	27700	19.75	19.98	18.89		103	CM	Bulk
24-13-17	28569	24.32	12.95	18.18		99	CM	Bulk
27-11-15	27650	26.14	12.02	15.98		99	CM	Bulk
27-11-15	27701	26.56	11.68	16.81		100	CM	Bulk
WARNER FERTILIZER CO. TOMPKINSVILLE KY								
17-15-20	26818	16.87	16.38	19.87		101	CM	Bulk
17-17-17	26822	16.52	18.16	19.55		100	CM	Bulk
19-19-18	26819	17.89	19.96	20.01		100	CM	Bulk
19-19-19	26616	19.93	19.33	18.82		102	CM	Bulk
19-19-19	26617	20.41	19.42	18.38		103	CM	Bulk
19-19-19	26816	18.32	19.96	20.42		100	CM	Bulk
19-19-19	26817	20.09	20.90	18.60		103	CM	Bulk

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS CL	RV	TYPE	FORM
WARNER FERTILIZER CO. TOMPKINSVILLE KY								
19-19-19	26820	18.15	19.61	20.75		99	CM	Bulk
19-19-19	26823	18.74	19.81	19.97		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number Samples This Grade : 6								
Average Analysis :								
		19.27	19.83	19.49		101.4		
CV, %		5.10	2.87	5.21				
27-11-15	26821	25.93	11.91	16.39		99	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 97.65 103.24 103.48								
ALL SAMPLES, CV, % 5.53 2.17 5.12								
NUMBER OF ANALYSIS 10 10 10								
Deficiency Rate - 0.00 %								
WARNER FERTILIZER CO. MONTICELLO KY								
06-25-26	27067	06.32	25.99	26.42		100	CM	Bulk
17-17-17	27056	17.74	17.26	18.07		99	CM	Bulk
17-17-17	27057	17.29	17.27	17.81		97	CM	Bulk
17-17-17	27064	17.44	18.03	17.63		99	CM	Bulk
17-17-17	27065	17.91	17.48	17.21		100	CM	Bulk
19-19-19	27058	18.19	20.50	18.48		98	CM	Bulk
19-19-19	27063	19.50	19.90	18.49		100	CM	Bulk
21-17-18	27059	20.51	17.59	18.79		98	CM	Bulk
25-09-09	27066	25.18	09.16	09.81		99	CM	Bulk
WATCH-US-GROW OF KENTUCKY CHARLOTTE NC								
08-08-08	26950+	07.98	08.37	08.29		102	Mnfr	Liq
08-08-08	27945+	07.74	07.77	08.32		98	Mnfr	Liq
WATERWAY AG, INC. METROPOLIS IL								
32-00-00	28025	32.00				100	Mat	Liq
DORMAN WILSON & SON, INC. NANCY KY								
00-00-60	26320			60.99		101	Mat	Bulk
05-13-42	27304	05.01	13.30	43.81		101	CM	Bulk
08-05-41	28984	07.82	05.30	43.66		100	CM	Bulk
18-46-00	26318	17.90	45.96			99	Mat	Bulk
19-10-14	28983+	19.68	11.22	14.90		102	CM	Bulk
19-19-19	27307	18.16	19.53	20.22		100	CM	Bulk
22-07-15	27305	22.80	07.72	15.23		100	CM	Bulk
22-16-16	27310	22.51	18.22	16.87		102	CM	Bulk
26-07-19	27306	25.76	07.90	20.69		100	CM	Bulk
34-00-00	26319	34.22				100	Mat	Bulk
46-00-00	26317	46.06				100	Mat	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 98.83 102.03 103.30								
ALL SAMPLES, CV, % 2.57 3.45 2.92								
NUMBER OF ANALYSIS 10 8 8								
Deficiency Rate - 0.00 %								
WINSTON WEAVER CO INC WINSTON SALEM NC								
10-10-10	26944	07.03*	06.98*	08.34*		72*	Mnfr	Bag
WOODFORD FEED CO. VERSAILLES KY								
00-00-50	26421			49.48		98	Mat	Bulk
00-00-60	26419			60.92		101	Mat	Bulk
16-00-24	28733	17.17		25.27		101	CM	Bulk
17-03-29	28730	16.70	03.29	30.75		100	CM	Bulk
17-03-29	28732	17.12	04.51	29.01		99	CM	Bulk
18-03-21	28731	18.33	04.02	21.45		101	CM	Bulk
18-46-00	26420	17.09	45.43			97	Mat	Bulk
20-04-25	28735	19.31	05.68	25.18		98	CM	Bulk
23-00-25	28738	23.10		25.40		101	CM	Bulk
24-07-20	28739	23.81	07.34	19.90		99	CM	Bulk
26-00-22	28737	25.70		22.61		99	CM	Bulk
27-00-12	28734	27.58		12.77		102	CM	Bulk
34-00-00	26418	33.91				99	Mat	Bulk
39-00-06	28736	40.46		06.48		100	CM	Bulk
STATISTICAL ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES, % OF GUARANTEE 99.45 102.18 100.50								
ALL SAMPLES, CV, % 2.17 14.34 2.69								
NUMBER OF ANALYSIS 12 6 12								
Deficiency Rate - 0.00 %								

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 2. RESULTS OF THE ANALYSES OF CERTAIN OFFICIAL FERTILIZER SAMPLES FOR SECONDARY AND MINOR ELEMENTS, WATER INSOLUBLE NITROGEN (WIN), COATED SLOW RELEASE NITROGEN (CSRN), AND OCCLUDED SLOW RELEASE NITROGEN (OSRN). Deficiencies are indicated with an asterisk (\*).

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
AG/GRO FERT. CO. #2	WINCHESTER KY				
	28474	08-20-30	Zn	00.89	00.61 *
	28475	08-20-30	Zn	00.89	00.85
AG-QUEST	DRY RIDGE KY				
	27579	00-10-30	B	00.45	00.46
AGRI-CHEM INC	TRENTON KY				
	28010	10-26-20	Mg	01.58	02.03
			SO4-S	03.17	04.56
	28011	10-26-20	Mg	01.57	01.90
SO4-S			03.14	04.36	
AGRIUM US INC	REESE MI				
	28819	00-00-00	SO4-S	07.00	08.70
			Zn	36.00	35.00
AGRO DISTRIBUTION LLC	HARDINSBURG KY				
	27340	00-12-38	B	00.06	00.06
ALASKA FISH FERTILIZER CO.	RENTON WA				
	26511	05-01-01	WIN	00.75	01.38
ALLENSVILLE CROP SERVICE	ALLENSVILLE KY				
	28126	16-16-16	Mg	00.20	00.51
			B	00.04	00.04
			Cu	00.04	00.03
			Zn	00.60	00.59
	28127	16-16-16	Mg	00.20	00.60
			B	00.04	00.06
			Cu	00.04	00.06
			Zn	00.60	00.89
	ALLJACK	ST LOUIS MO			
26399		15-30-15	B	00.02	00.02
			Cu	00.07	00.07
			Fe	00.15	00.16
			Mn	00.05	00.05
			Mo	00.00	00.00 *
27473		15-30-15	Zn	00.06	00.06
			B	00.02	00.02
			Cu	00.07	00.07
			Fe	00.10	00.24
			Mn	00.05	00.05
26401		18-18-21	Mo	00.00	00.00
			Zn	00.06	00.06
			Mg	00.50	00.36
			Cu	00.05	00.04
			Fe	00.10	00.11
28357		18-18-21	Mn	00.05	00.03 *
			Zn	00.05	00.04
			Mg	00.50	00.42
			Cu	00.05	00.04
	Fe		00.10	00.10	
26400	18-24-16	Mn	00.05	00.04	
		Zn	00.05	00.04	
		Cu	00.05	00.05	
		Fe	00.10	00.09	
		Mn	00.05	00.04	
		Zn	00.05	00.04	

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
ALLJACK	ST LOUIS 26398	MO 30-10-10	B	00.02	00.01		
			Cu	00.07	00.05		
				Fe	00.30	00.28	
				Mn	00.05	00.04	
				Mo	00.00	00.00	
				Zn	00.07	00.06	
	27474	30-10-10	B	00.02	00.02		
			Cu	00.07	00.07		
			Fe	00.30	00.34		
			Mn	00.05	00.05		
			Mo	00.00	00.00 *		
			Zn	00.07	00.07		
	28796	30-10-10	B	00.02	00.02		
			Cu	00.07	00.07		
			Fe	00.30	00.39		
			Mn	00.05	00.05		
			Mo	00.00	00.00		
			Zn	00.07	00.06		
	26947	36-06-06	Fe	00.32	00.52		
AMERICAN PLANT FOOD	CREVE COEUR	MO	25930	10-52-10	B	00.02	00.02
					Cu	00.07	00.07
				Fe	00.15	00.15	
				Mn	00.05	00.05	
	26233	10-52-10	B	00.02	00.02		
			Cu	00.07	00.07		
			Fe	00.15	00.16		
			Mn	00.05	00.05		
	25929	15-30-15	B	00.02	00.02		
			Cu	00.07	00.07		
			Fe	00.15	00.14		
			Mn	00.05	00.05		
			Mo	00.00	00.00 *		
			Zn	00.06	00.06		
	26125	15-30-15	B	00.02	00.02		
			Cu	00.07	00.09		
			Fe	00.15	00.16		
			Mn	00.05	00.04		
			Mo	00.00	00.01		
			Zn	00.06	00.06		
	26228	15-30-15	B	00.02	00.02		
			Cu	00.07	00.07		
			Fe	00.15	00.15		
			Mn	00.05	00.04		
			Mo	00.00	00.01		
			Zn	00.06	00.07		
	26293	15-30-15	B	00.02	00.02		
			Cu	00.07	00.08		
			Fe	00.15	00.16		
			Mn	00.05	00.05		
			Mo	00.00	00.00		
			Zn	00.06	00.07		
	28355	15-30-15	B	00.02	00.03		
Cu			00.07	00.07			
Fe			00.15	00.15			
Mn			00.05	00.05			
Mo			00.00	00.00			
		Zn	00.06	00.06			
28957	15-30-15	B	00.02	00.02			
		Cu	00.07	00.07			
		Fe	00.15	00.17			
		Mn	00.05	00.05			
		Mo	00.00	00.00			
		Zn	00.06	00.10			
25932	18-18-21	Mg	00.50	00.43			
		Cu	00.05	00.06			
		Fe	00.10	00.09			
		Mn	00.05	00.05			
		Zn	00.05	00.05			
26232	18-18-21	Mg	00.50	00.50			



## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %	
AMERICAN PLANT FOOD	CREVE COEUR	MO	Cu	00.05	00.05	
			Fe	00.10	00.11	
	28356	18-18-21	Mn	00.05	00.05	
			Zn	00.05	00.05	
			Mg	00.50	00.54	
			Cu	00.05	00.05	
			Fe	00.10	00.12	
			Mn	00.05	00.04	
	25931	18-24-16	Zn	00.05	00.05	
			Cu	00.05	00.05	
			Fe	00.10	00.10	
			Mn	00.05	00.05	
	28682	18-24-16	Zn	00.05	00.05	
			Cu	00.05	00.06	
			Fe	00.10	00.11	
			Mn	00.05	00.05	
	25928	30-10-10	Zn	00.05	00.05	
B			00.02	00.02		
Cu			00.07	00.07		
Fe			00.32	00.32		
Mn			00.05	00.05		
26047	36-06-06	Mo	00.00	00.00		
		Zn	00.07	00.07		
		Fe	00.33	00.50		
BARREN METCALFE INC	KNOBLICK	KY				
	27666	18-20-12	Mg	02.27	02.34	
			SO4-S	04.54	05.66	
BAYER-PURSELL,LLC	BIRMINGHAM	AL				
26124	08-11-05	WIN	05.80	00.61 *		
		Mg	01.00	01.05		
		Mo	00.00	00.00		
		OSRN	07.50	04.81 *		
		OSRP	10.50	10.11		
		OSRK	04.50	01.27 *		
BLOOMFIELD FERT. & CHEM CO.	BLOOMFIELD	KY				
	28660	03-08-46	B	00.41	00.42	
C & F SUPPLY INC	HISEVILLE	KY				
26466	06-17-27	Mg	02.19	02.40		
		SO4-S	04.39	08.67		
		B	00.21	00.23		
		26467	06-17-27	Mg	02.19	02.36
				SO4-S	04.39	08.88
		26462	07-17-27	B	00.21	00.23
				Mg	02.19	02.58
				SO4-S	04.38	08.73
		26470	10-28-22	B	00.21	00.23
				B	00.28	00.27
CAMERON CHEMICALS INC	SUFFOLK	VA				
27677	03-00-00	Mg	05.00	03.61 *		
		B	00.75	00.61 *		
		Cu	00.75	00.72		
		Zn	15.00	14.30		
CECILIA FARM SERVICE	CECILIA	KY				
	27075	10-26-22	B	00.52	00.56	
CHEVRON CHEM CO-AG. PROD. DIV.	RICHMOND	CA				
	27466	06-12-00	WIN	05.00	05.70	
	27464	23-19-17	B	00.02	00.02	
			Cu	00.05	00.05	

## ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

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REGULATORY BULLETIN 285

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
CHEVRON CHEM CO-AG. PROD. DIV.	RICHMOND	CA	Fe	00.10	00.10		
			Mn	00.05	00.05		
			Zn	00.05	00.05		
CRITTENDEN FARM SUPPLY	MARION	KY					
			27016	21-15-19	B	00.01	00.02
CROP PRODUCTION SVC	HENDERSON	KY					
			28257	08-21-30	Zn	01.01	00.76 *
CROP PRODUCTION SVC	HODGENVILLE	KY					
			26773	00-13-40	B	00.27	00.29
CROP PRODUCTION SVC	HORSECAVE	KY					
			26680	04-12-40	Mg	00.74	00.96
					B	00.36	00.41
			26682	06-15-36	B	00.52	00.57
CROP PRODUCTION SVC	MORGANFIELD	KY					
			25710	03-15-39	Zn	00.78	00.76
			25711	03-15-39	Zn	00.78	00.75
			25714	03-15-39	Zn	00.78	00.84
			25734	03-15-39	Zn	00.78	00.73
CROP PRODUCTION SVC	RUSSELLVILLE	KY					
			26906	07-20-26	Mg	01.71	01.81
					SO4-S	00.60	01.90
					B	00.01	00.14
					Zn	00.49	00.88
			25569	33-00-00	SO4-S	12.00	12.97
			25570	33-00-00	SO4-S	12.00	12.20
			25573	33-00-00	SO4-S	12.00	12.83
			26907	33-00-00	SO4-S	12.00	12.95
DAVIESS COUNTY FARM SUPPLY	OWENSBORO	KY					
			25801	00-16-32	Mg	00.45	00.70
					B	00.06	00.09
					Cu	00.06	00.09
					Zn	01.30	01.29
			25803	00-17-34	Mg	00.23	00.49
					B	00.03	00.04
					Cu	00.03	00.03
					Zn	00.70	00.78
			25804	00-18-30	Mg	00.40	00.86
					B	00.06	00.06
					Cu	00.06	00.05
					Zn	01.20	01.03 *
			25802	00-23-25	Mg	00.30	00.66
					B	00.05	00.06
					Cu	00.05	00.05
					Zn	01.00	01.12
27928	30-19-00	Mg	00.41	00.48			
		SO4-S	00.74	01.53			
		B	00.06	00.08			
		Cu	00.06	00.17			
		Zn	01.24	00.98 *			
DRAGON CORPORATION	ROANOKE	VA					
			26949	10-10-10	B	00.04	00.02 *
					Cu	00.10	00.05 *
					Fe	00.20	00.65
					Mn	00.10	00.16
					Zn	00.10	00.06 *

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %				
EASY GARDNER	WACO	TX	26235	08-09-12	CSRN	06.00	06.57		
			CSRK	06.60	06.47				
	26123	08-24-08	CSRK	08.40	07.63				
			WIN	01.30	05.57				
			CSRN	05.70	09.06				
	26234	08-24-08	CSRK	17.70	18.77				
			CSRK	06.00	08.13				
			WIN	01.30	05.71				
	27796	10-10-04	CSRN	05.70	09.59				
			CSRK	17.70	17.16				
			CSRK	06.00	08.22				
		WIN	07.50	03.90 *					
	ESCO	DALLAS	TX	28219	16-16-16	SO4-S	06.00	06.83	
				Fe	01.00	02.68			
THE ESPOMA COMPANY	MILLVILLE	NJ	26954	03-05-07	WIN	00.82	02.51		
					Ca	03.00	06.03		
					Mg	00.50	01.35		
					SO4-S	05.00	07.35		
					B	00.02	00.02		
					Cu	00.05	00.04		
					Fe	01.00	01.08		
					Mn	00.05	00.13		
					Mo	00.00	00.00		
					Zn	00.05	00.09		
					26953	04-06-04	WIN	01.55	01.04 *
							Ca	03.00	05.20
							Mg	00.50	00.99
							SO4-S	05.00	07.46
			B	00.02			00.03		
			Cu	00.05			00.05		
			Fe	01.00			01.11		
			Mn	00.05			00.09		
			Mo	00.00			00.00		
			Zn	00.05			00.10		
			27406	04-06-04			WIN	01.55	01.82
							Ca	03.00	05.35
							Mg	00.50	01.02
							B	00.02	00.02
					Cu	00.05	00.05		
					Fe	01.00	01.22		
					Mn	00.05	00.11		
					Mo	00.00	00.00		
Zn	00.05	00.15							
FARMERS FERTILIZER CO.	BOWLING GREEN	KY			27040	04-10-44	B	00.29	00.32
FRANKLIN CROP SERVICE	FRANKLIN	KY			27590	10-25-23	Mg	00.30	00.54
							SO4-S	00.56	01.54
							B	00.04	00.04
			Cu	00.04			00.03		
			27595	19-06-12	Zn	00.90	01.03		
					Mg	00.10	00.42		
			27596	19-06-12	SO4-S	00.24	00.65		
					Zn	00.40	00.53		
			27591	29-09-12	Mg	00.10	00.39		
					SO4-S	00.24	00.58		
					Zn	00.40	00.41		
					Mg	00.20	00.28		
					SO4-S	00.36	00.71		
					B	00.03	00.02		
		Cu	00.03	00.02					

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
FRANKLIN CROP SERVICE	FRANKLIN	KY	Zn	00.60	00.58		
			27592	29-09-12	Mg	00.20	00.31
					SO4-S	00.36	00.76
					B	00.03	00.02
					Cu	00.03	00.02
			Zn	00.60	00.60		
FREE FLOW FERTILIZER CO.	MAUMEE	OH	25548	15-30-15	B	00.02	00.01
					Cu	00.07	00.05 *
					Fe	00.15	00.09 *
					Mn	00.05	00.00 *
					Mo	00.00	00.00
					Zn	00.06	00.05
			27793	15-30-15	B	00.00	00.02
					Cu	00.07	00.07
					Fe	00.15	00.17
					Mn	00.05	00.05
					Mo	00.00	00.00
					Zn	00.06	00.06
			27195	32-04-08	Fe	01.00	01.36
					CSRN	09.20	08.67
FRIT INDUSTRIES	OZARK	AL	26289	00-00-00	B	02.00	02.16
					Cu	05.00	05.43
					Fe	10.00	14.38
					Mn	05.00	06.71
					Mo	00.05	00.02 *
					Zn	05.00	06.98
			28236	00-00-00	Zn	36.00	35.52
			28422	00-00-00	Zn	36.00	35.94
GRANT CO FARM SUPPLY	DRY RIDGE	KY	28488	04-10-40	B	00.45	00.48
			28492	04-10-43	B	00.41	00.46
GREENLEAF PLANT FOOD INC	DANVILLE	KY	28560	00-20-30	B	00.40	00.41
GREEN LIGHT CO	SAN ANTONIO	TX	26127	12-55-06	Fe	00.10	00.11
GRIFFIN INDUSTRIES INC	COLD SPRING	KY	28562	05-06-06	WIN	04.25	05.41
					Ca	07.00	10.44
					Mg	02.00	00.92 *
					SO4-S	04.00	02.75 *
			28563	08-03-05	WIN	06.80	07.10
					Ca	03.00	04.16
					Mg	02.20	02.20
					SO4-S	04.00	04.23
					Fe	00.10	00.09
			28565	08-03-05	Ca	03.00	03.23
					Mg	02.20	02.95
					SO4-S	04.00	05.65
					Fe	00.10	00.12
28566	15-02-08	WIN	09.00	07.37 *			
28564	20-01-05	WIN	05.22	05.46			
		Ca	01.00	02.07			
		SO4-S	03.00	01.94 *			
GRO TEC INC	MADISON	GA	25939	06-10-10	B	00.02	00.02
					Cu	00.05	00.06

ANALYSIS OF FERTILIZER SAMPLES IN KENTUCKY JULY 2000-JUNE 2001

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
GRO TEC INC	MADISON	GA	Fe	01.00	01.92		
			Mn	00.10	00.18		
			Mo	00.00	00.00		
			Zn	00.10	00.09		
			26048	06-12-00	WIN	06.00	06.38
			25942	09-09-06	B	00.02	00.02
					Cu	00.05	00.09
					Fe	00.10	01.44
					Mn	00.10	00.10
					Mo	00.00	00.00
					Zn	00.10	00.10
			26387	09-09-06	B	00.02	00.00 *
					Cu	00.05	00.00 *
					Fe	00.10	00.41
					Mn	00.10	00.01 *
					Mo	00.00	00.00
					Zn	00.10	00.01 *
			26055	10-06-08	B	00.02	00.02
					Cu	00.05	00.05
					Fe	01.00	01.09
		Mn	00.10	00.16			
		Mo	00.00	00.00			
		Zn	00.10	00.20			
26045	12-00-00	WIN	11.00	12.54			
HOFFMAN A. H.	LANCASTER	NY					
			26524	04-12-00	WIN	03.44	02.66 *
			26525	12-00-00	WIN	11.64	10.74
HYDRO AGRI N AMERICA	TAMPA	FL					
			28225	15-00-00	Ca	19.00	19.69
IRONITE PRODUCTS COMPANY	SCOTTSDALE	AZ					
			26948	01-00-00	Ca	02.50	03.69
					Mg	01.00	02.11
					SO4-S	05.00	05.27
					Fe	04.50	11.87
					Mn	00.05	00.07
					Mo	00.00	00.00
					Zn	00.45	00.98
			26514	07-06-06	Mg	00.50	00.58
					SO4-S	01.00	02.22
					B	00.02	00.03
					Fe	00.10	00.13
					Mn	00.03	00.03
		Mo	00.00	00.00			
		Zn	00.02	00.03			
J R PETERS	ALLENTOWN	PA					
			29027	10-30-20	Mg	00.50	00.50
					B	00.02	00.02
					Cu	00.05	00.05
					Fe	00.10	00.13
					Mn	00.05	00.05
					Mo	00.00	00.00
					Zn	00.05	00.06
			29026	20-20-20	B	00.02	00.02
					Cu	00.05	00.05
					Fe	00.10	00.14
					Mn	00.05	00.05
					Mo	00.00	00.00 *
		Zn	00.05	00.08			
KNOX FERTILIZER CO., INC.	KNOX	IN					
			26732	15-30-15	Cu	00.05	00.05
					Fe	00.10	00.10
					Mn	00.05	00.07

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
KNOX FERTILIZER CO., INC.	KNOX	IN	Zn	00.05	00.05		
			27193	18-24-16	Cu	00.05	00.08
	27200	30-10-10	Fe	00.10	00.23		
			Mn	00.05	00.06		
			Zn	00.05	00.07		
			Cu	00.05	00.05		
			Fe	00.10	00.08		
			Mn	00.05	00.03 *		
Zn	00.05	00.04					
LEBANON CHEM - GREENVIEW DIV.	LEBANON	PA	WIN	00.60	01.15		
			26291	09-17-09	WIN	05.20	06.23
			26861	30-04-04	WIN	05.20	06.23
LEBANON SEABOARD	LEBANON	PA	WIN	00.60	00.98		
			27463	09-17-09	WIN	07.60	06.23 *
			28814	18-03-12	Mg	01.00	02.85
					SO4-S	06.00	08.86
					Fe	00.50	00.54
			28813	21-03-18	Mn	00.25	00.23
					WIN	05.50	04.28 *
					Mg	00.60	00.58
					SO4-S	05.60	07.34
			28812	22-05-12	Fe	00.40	00.67
					Mn	00.20	00.25
					CSRN	08.80	10.34
					WIN	06.20	05.86
			27005	25-02-05	SO4-S	08.00	10.47
Fe	01.00	01.26					
28811	29-03-06	WIN	02.20	02.58			
28811	29-03-06	WIN	08.70	22.31			
LESCO INC	STRONGSVILLE	OH	CSRN	08.10	05.56 *		
			28817	18-24-12	CSRN	05.13	03.27 *
			27408	19-03-06	CSRN	05.10	02.85 *
			27409	19-03-07	CSRN	02.00	02.69
			27411	32-03-08	Fe	02.00	02.69
27411	32-03-08	CSRN	08.64	06.13 *			
LESCO, INC.	ROCKY RIVER	OH	CSRN	03.50	00.00 *		
			27410	13-02-05	CSRN	03.50	00.00 *
MARTIN MARIETTA MAGNESIA SPEC	MANISTEE	MI	Mg	58.00	58.36		
			26288	00-00-00	Mg	58.00	61.58
			26747	00-00-00	Mg	58.00	61.58
MARTIN RESOURCES	KILGORE	TX	S	90.00	93.30		
			26748	00-00-00	S	90.00	93.15
			27262	00-00-00	S	90.00	93.15
MAYSLICK MILL	MAYSLICK	KY	B	00.67	00.67		
			27989	03-07-41	B	00.81	00.74
			27988	03-09-37	B	00.90	00.87
			27992	04-10-41	B	00.90	00.87
MEIJER, INC	GRAND RAPIDS	MI	WIN	00.05	00.40		
			26731	00-00-00	WIN	00.05	00.40
MILES FARM CENTER	SHELBYVILLE	KY	B	00.42	00.46		
			28927	05-14-38	B	00.54	00.57
			27680	06-00-16	B	00.55	00.54
			27681	07-17-33	B	00.55	00.54

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
MILES FARM CENTER	SHELBYVILLE 25842	KY 30-05-10	CSRN	06.00	01.57 *
MILES FARM SUPPLY	LEBANON	KY			
	28990	07-19-30	B	00.67	00.66
MILES FARM SUPPLY	OWENSBORO	KY			
	26018	00-00-22	Mg	11.00	11.42
			SO4-S	22.00	22.45
	27774	00-00-22	Mg	11.00	10.77
			SO4-S	22.00	22.90
	27781	00-00-22	Mg	11.00	10.41
			SO4-S	22.00	22.49
	26504	03-00-00	Mg	05.00	04.99
			SO4-S	09.00	09.36
			B	00.50	00.77
			Cu	00.50	00.59
			Zn	15.00	16.54
	27784	03-00-00	Mg	05.00	04.74
			B	00.50	00.64
			Cu	00.50	00.59
			Zn	15.00	14.99
	25870	20-00-00	SO4-S	24.00	23.15
MILES FARM SUPPLY	UPTON	KY			
	26765	02-13-41	B	00.55	00.59
	26766	02-13-41	B	00.55	00.60
MILLER CHEMICAL & FERT. CORP.	HANOVER	PA			
	28145	20-10-20	Mg	00.50	00.70
			B	00.02	00.01
			Cu	00.05	00.04
			Fe	00.10	00.07 *
			Mn	00.05	00.04
			Mo	00.00	00.00
			Zn	00.05	00.04
MILORGANITE DIVISION MMSD	MILWAUKEE	WI			
	27194	06-02-00	WIN	05.25	05.65
			Ca	01.20	01.45
			Fe	04.00	03.91
PICC	NEW YORK	NY			
	26227	00-00-00	Mg	09.80	10.28
			SO4-S	12.90	13.42
PLEASANT VIEW FARMS AGRI SERV.	SOUTH UNION	KY			
	27204	05-14-39	B	00.34	00.34
PRICES MILL FARM	FRANKLIN	KY			
	27779	09-24-21	Mg	00.50	00.89
			SO4-S	00.96	02.15
			B	00.05	00.09
			Cu	00.05	00.07
			Zn	01.60	02.10
	27660	31-07-10	Mg	00.14	00.28
			SO4-S	00.26	00.65
			B	00.01	00.02
			Cu	00.01	00.02
			Zn	00.40	00.59
	27777	31-07-10	Mg	00.14	00.25
			SO4-S	00.26	00.59
			B	00.01	00.02
			Cu	00.01	00.01
			Zn	00.43	00.44

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
PURSELL INDUSTRIES	SYLACAUGA	AL			
	26510	00-00-00	Fe	00.00	00.01
	26520	01-11-00	WIN	01.00	01.72
			Ca	22.00	26.08
	27203	04-06-04	WIN	02.65	03.01
			Ca	14.00	14.37
			SO4-S	06.00	07.61
			Fe	01.00	00.75 *
	26391	04-10-06	WIN	02.65	02.30
			Ca	14.00	15.75
			Mg	01.00	01.78
			SO4-S	04.00	03.97
			Fe	01.00	00.85 *
	26388	05-03-03	WIN	03.66	03.46
			Ca	14.00	19.45
			Mg	03.00	00.35 *
			SO4-S	03.00	03.92
			Fe	01.00	00.87 *
	26516	05-10-06	Mg	01.00	04.71
			Fe	01.00	01.22
	27197	08-16-08	Fe	00.10	00.16
			Mn	00.05	00.05
			Zn	00.05	00.05
	26523	09-09-06	CSRN	06.60	06.66
			CSRK	03.70	03.75
	28685	09-09-06	CSRN	06.60	03.98 *
			CSRK	03.70	05.38
	26509	10-10-05	Fe	00.10	00.14
			Mn	00.05	00.05
			Zn	00.05	00.05
	27196	10-10-05	Fe	00.10	00.11
			Mn	00.05	00.04
			Zn	00.05	00.04
	27459	10-10-10	B	00.02	00.01
			Cu	00.05	00.03 *
			Fe	00.10	00.62
			Mn	00.05	00.04
			Mo	00.00	00.00
			Zn	00.05	00.04
			CSRN	01.70	02.21
	27794	10-10-10	CSRN	01.70	00.00 *
	27191	11-40-06	CSRN	02.40	05.82
	28353	11-40-06	B	00.02	00.03
			Cu	00.05	00.08
			Fe	00.10	01.41
			Mn	00.05	00.24
			Mo	00.00	00.00
			Zn	00.05	00.20
			CSRN	02.40	03.48
	27788	12-05-07	B	00.02	00.02
			Cu	00.05	00.09
			Fe	01.00	02.65
			Mn	00.05	00.23
			Mo	00.00	00.00
			Zn	00.05	00.32
			CSRN	07.80	05.38 *
	26725	12-06-06	CSRN	08.00	09.24
	26397	12-10-05	CSRN	06.30	06.92
	28501	13-13-13	SO4-S	04.50	05.00
			CSRN	11.70	13.85
			CSRP	11.70	12.67
			CSRK	11.70	13.92
	26513	14-07-07	B	00.02	00.03
			Cu	00.05	00.19
			Fe	01.00	02.57
			Mn	00.05	00.12
			Mo	00.00	00.00
			Zn	00.05	00.28
			CSRN	07.00	06.01 *
	26396	15-05-13	CSRN	07.50	07.24
	28684	15-05-13	B	00.02	00.02
			Cu	00.05	00.11



ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %			
PURSELL INDUSTRIES	SYLACAUGA	AL	Fe	01.00	01.45			
			Mn	00.05	00.06			
			Mo	00.00	00.00			
			Zn	00.05	00.13			
			26726	15-07-07	CSRN	07.50	08.11	
					SO4-S	03.00	09.08	
					Fe	02.00	00.72 *	
					Mn	01.50	00.00 *	
			26508	18-06-12	CSRN	07.69	08.72	
					SO4-S	04.00	05.21	
					CSRN	16.20	18.34	
					CSRK	05.40	05.71	
			27462	18-24-10	CSRK	10.80	11.78	
					B	00.02	00.00 *	
					Cu	00.05	00.00 *	
					Fe	00.10	00.44	
					Mn	00.05	00.01 *	
					Mo	00.00	00.00	
					Zn	00.05	00.02 *	
					CSRN	05.40	05.87	
27458	20-27-05	Fe	02.00	02.42				
		CSRN	04.00	07.36				
26723	29-03-04	CSRN	05.20	05.35				
27790	29-03-04	Fe	01.00	01.05				
		CSRN	07.30	07.41				
RINGER CORP.	BLOOMINGTON	MN	WIN	05.40	05.13			
				SO4-S	02.60	03.12		
				B	00.02	00.04		
				Fe	00.30	00.49		
				Mn	00.10	00.06 *		
ROYSTER CLARK	FRANKLIN	KY	Ca	00.40	00.67			
				Mg	00.40	00.59		
				SO4-S	03.00	04.70		
				B	00.04	00.05		
				Fe	00.06	00.57		
				Zn	00.10	00.40		
				27386	10-25-25	Zn	00.66	00.48 *
						Zn	00.78	00.64 *
				27385	11-17-30	Zn	00.78	00.64 *
				27390	12-19-26	Zn	00.92	00.69 *
				27389	14-23-11	SO4-S	05.92	07.08
						Zn	00.74	00.66 *
				27117	14-23-12	SO4-S	05.70	06.57
				27388	16-16-12	SO4-S	06.66	07.70
						Zn	00.80	00.78
				27391	17-13-13	SO4-S	06.95	07.96
Zn	00.87	00.83						
ROYSTER CLARK	GUTHRIE	KY	Mg	02.45	03.01			
				SO4-S	04.91	05.84		
				27222	19-10-12	Mg	01.90	02.21
						SO4-S	03.81	04.43
				27226	19-10-12	Zn	00.87	00.87
						Zn	00.87	01.00
ROYSTER CLARK	ADAIRVILLE	KY	Ca	00.30	14.99			
				Mg	00.30	02.19		
				SO4-S	00.98	01.80		
				B	00.03	00.06		
				Fe	00.04	00.25		
				25665	11-33-10	Ca	01.00	01.53
						Mg	01.00	01.45
						SO4-S	03.00	04.94

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REGULATORY BULLETIN 285

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
ROYSTER CLARK	ADAIRVILLE	KY	B	00.10	00.16		
			Fe	00.15	00.81		
			Zn	00.30	00.37		
ROYSTER CLARK	COLLINSVILLE	IL	25981	00-00-22	Mg	11.00	11.39
					SO4-S	22.00	22.14
			26494	05-20-20	Ca	02.00	02.84
					Mg	02.00	01.91
					B	00.20	00.33
					Fe	00.30	00.54
					Zn	00.60	00.57
			28136	05-20-20	Ca	02.00	02.93
					Mg	02.00	01.99
					B	00.20	00.28
					Fe	00.30	00.47
					Zn	00.60	00.58
			26026	18-08-00	SO4-S	16.00	16.15
					Zn	02.00	02.61
			26588	18-08-00	SO4-S	18.00	17.90
		Zn	01.00	02.13			
27030	18-08-00	SO4-S	16.00	16.50			
		Zn	02.00	02.16			
ROYSTER CLARK	FLORENCE	AL	27606	05-08-21	Ca	04.00	05.63
					Mg	01.00	01.11
					SO4-S	10.00	09.42
					B	00.35	00.37
					Fe	00.10	00.35
					Zn	01.40	01.32
			28507	06-12-18	Mg	01.00	02.15
					SO4-S	09.00	14.08
			25717	18-08-00	SO4-S	14.00	16.34
		Zn	02.00	02.38			
ROYSTER CLARK	FULTON	KY	28182	08-18-24	Ca	01.60	02.55
					Mg	00.40	00.85
					SO4-S	04.03	04.41
					B	00.10	00.15
					Fe	00.04	00.49
					Zn	00.50	00.47
			28183	18-13-17	Ca	01.14	01.86
					Mg	00.20	00.50
					SO4-S	02.87	03.25
					B	00.10	00.11
		Fe	00.02	00.35			
		Zn	00.40	00.41			
ROYSTER CLARK	MADISON	WI	27978	00-00-00	B	10.00	10.15
			28302	00-00-00	B	10.00	09.86
ROYSTER CLARK	MURRAY	KY	25715	05-10-17	SO4-S	01.00	02.69
					Zn	00.14	00.28
			25719	05-10-18	SO4-S	01.10	02.80
					Zn	00.16	00.26
			25716	05-11-18	SO4-S	01.10	01.61
					Zn	00.16	00.08 *
			25718	05-11-18	SO4-S	01.10	01.81
					Zn	00.16	00.21
25720	05-11-18	SO4-S	01.10	01.93			
		Zn	00.16	00.20			

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
ROYSTER CLARK	NORFOLK	VA			
	26188	00-00-00	B	10.00	09.85
ROYSTER CLARK	SEDALIA	KY			
	27155	08-21-29	Mg	00.64	00.87
			SO4-S	01.17	02.06
	27156	08-21-29	Mg	00.64	00.90
			SO4-S	01.17	02.09
	27157	08-21-29	Mg	00.65	00.86
			SO4-S	01.18	02.00
	27158	08-21-29	Mg	00.65	01.01
			SO4-S	01.18	02.33
ROYSTER CLARK	WASHINGTON CH	OH			
	25805	13-13-13	SO4-S	12.00	12.55
RUSSELLVILLE CROP	RUSSELLVILLE	KY			
	26909	04-11-12	Mg	02.30	05.75
			SO4-S	04.57	05.59
			B	00.02	00.04
			Cu	00.02	00.01
			Zn	00.57	00.62
	26910	04-11-12	Mg	02.30	05.96
			SO4-S	04.50	04.72
			B	00.02	00.03
			Cu	00.02	00.02
			Zn	00.57	00.55
	25621	04-22-23	Mg	02.51	02.80
			SO4-S	05.03	05.76
	27521	10-26-17	Mg	00.47	00.65
			B	00.07	00.09
			Cu	00.07	00.09
			Zn	01.40	01.08 *
	28141	12-12-19	Mg	00.30	01.72
			SO4-S	00.59	07.35
			B	00.04	00.04
			Cu	00.04	00.06
			Zn	00.90	00.70 *
	28142	19-12-19	Mg	00.10	00.38
			B	00.01	00.02
			Cu	00.01	00.02
			Zn	00.38	00.26 *
	27903	27-13-11	Mg	00.18	00.45
			SO4-S	00.33	00.86
			B	00.02	00.02
			Cu	00.02	00.02
			Zn	00.56	00.36 *
SCHULTZ COMPANY	BRIDGETON	MO			
	26129	02-07-07	Fe	00.10	00.12
			Mn	00.05	00.05
			Zn	00.05	00.06
	26126	05-30-05	Fe	00.10	00.10
			Mn	00.05	00.04
			Zn	00.05	00.05
	28351	05-30-05	Fe	00.10	00.10
			Mn	00.05	00.04
			Zn	00.05	00.05
	27471	06-12-00	WIN	05.00	05.37
	26050	08-00-00	Mg	01.00	01.21
			S	05.00	05.25
			Fe	06.00	06.02
	26230	08-00-00	Fe	06.00	06.22
	28499	08-00-00	Mg	01.00	01.21
			SO4-S	05.00	05.22
			Fe	06.00	05.89
	26131	08-14-09	Fe	00.10	00.09
			Mn	00.05	00.04

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %			
SCHULTZ COMPANY	BRIDGETON	MO	Zn	00.05	00.05			
			26044	09-10-15	Mg	00.50	00.51	
					Cu	00.05	00.05	
					Fe	00.10	00.10	
					Mn	00.05	00.05	
					Zn	00.05	00.05	
				29002	09-10-15	Mg	00.50	00.48
						Cu	00.05	00.05
						Fe	00.10	00.13
						Mn	00.05	00.04
						Zn	00.05	00.07
				26229	10-12-12	Cu	00.05	00.05
						Fe	00.10	00.11
						Mn	00.05	00.05
						Zn	00.05	00.05
				28500	10-12-12	Cu	00.05	00.05
						Fe	00.10	00.13
						Mn	00.05	00.04
						Zn	00.05	00.05
				26054	10-15-10	Fe	00.10	00.10
						Mn	00.05	00.04
						Zn	00.05	00.05
				26130	10-15-10	Fe	00.10	00.09
						Mn	00.05	00.04
						Zn	00.05	00.05
				26042	10-60-10	Fe	00.10	00.10
						Mn	00.05	00.04
						Zn	00.05	00.05
				27470	12-00-00	WIN	11.00	12.53
				25940	17-17-17	SO4-S	03.80	01.22 *
						Fe	00.30	00.30
						Mn	00.06	00.05
						CSRN	15.00	16.98
						CSRP	13.70	14.49
						CSRK	16.20	16.66
				26231	17-17-17	SO4-S	03.80	04.48
						Fe	00.30	00.54
						Mn	00.06	00.13
						CSRN	15.00	17.27
						CSRP	13.70	15.83
						CSRK	16.20	17.51
				26132	18-06-12	Mg	01.00	01.16
			B	00.02	00.02			
			Cu	00.05	00.07			
			Fe	00.15	00.26			
			Mn	00.06	00.05			
			Mo	00.00	00.00 *			
			CSRN	18.00	18.46			
			CSRP	06.00	06.36			
			CSRK	12.00	12.07			
	27460	19-31-17	B	00.02	00.02			
			Cu	00.07	00.04 *			
			Fe	00.33	00.31			
			Mn	00.05	00.04			
			Mo	00.00	00.00			
			Zn	00.07	00.05 *			
	26043	20-30-20	Fe	00.10	00.11			
			Mn	00.05	00.05			
			Zn	00.05	00.05			
	26049	20-30-20	Fe	00.10	00.09			
			Mn	00.05	00.04			
			Zn	00.05	00.04			
THE SCOTTS COMPANY	MARYSVILLE	OH						
			27491	18-09-18	WIN	03.80	01.25 *	
					SO4-S	06.00	07.83	
					Fe	00.28	00.30	
					Mn	00.14	00.13	
					CSRN	04.90	02.94 *	
	27492	25-03-10	SO4-S	01.80	03.25			
			Fe	02.00	02.34			

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
THE SCOTTS COMPANY	MARYSVILLE	OH	CSRN	17.40	20.37
SCOTTS MIRACLE-GRO PRODUCTS	MARYSVILLE	OH			
	26522	06-12-00	WIN	06.00	05.25 *
			Fe	00.50	00.72
	27944	06-12-00	WIN	06.00	06.37
			Fe	00.50	00.59
	26051	07-07-07	B	00.02	00.02
			Cu	00.05	00.04
			Fe	00.10	00.13
			Mn	00.08	00.05 *
			Zn	00.05	00.04
	26133	09-18-18	Mg	01.20	02.21
			SO4-S	01.70	03.19
			Cu	00.05	00.10
			Fe	00.80	01.94
			Mn	00.40	00.60
			Zn	00.50	00.46
			CSRN	04.30	05.12
	25933	10-52-10	B	00.02	00.02
			Cu	00.07	00.13
			Fe	00.15	00.24
			Mn	00.05	00.10
	27201	15-10-09	SO4-S	14.90	14.98
	26128	15-13-13	Mg	01.20	01.82
			SO4-S	01.40	02.99
			Cu	00.05	00.18
			Fe	00.80	01.88
			Mn	00.40	00.73
			Zn	00.40	00.50
			CSRN	11.10	12.78
	26394	19-26-06	WIN	00.30	00.63
	26515	20-11-12	WIN	00.60	00.45
			SO4-S	01.50	03.61
			Cu	00.05	00.05
			Fe	00.10	01.68
			Mn	00.05	00.07
			Mo	00.00	00.00
			Zn	00.05	00.06
	26056	20-27-05	WIN	00.60	00.50
	26728	20-27-05	WIN	00.60	00.65
	26945	28-03-03	WIN	00.50	00.53
	26727	29-03-04	SO4-S	06.00	06.67
			Fe	01.00	01.06
			Mn	00.05	00.55
	26946	29-03-04	WIN	00.90	00.34 *
			SO4-S	06.00	07.13
			Fe	01.00	01.22
			Mn	00.50	00.56
	25934	30-10-10	B	00.02	00.02
			Cu	00.07	00.08
			Fe	00.32	00.34
			Mn	00.05	00.04
			Mo	00.00	00.00
			Zn	00.07	00.09
	26057	30-10-10	B	00.02	00.02
			Cl	00.07	06.83
			Fe	00.32	00.31
			Mn	00.05	00.04
			Mo	00.00	00.00
			Zn	00.07	00.10
	28798	36-06-06	Fe	00.32	00.51
SCOTTS MIRACLE GRO PRODUCTS	PORT WASHINGT	NY			
	26226	08-07-06	Fe	00.10	00.12
	28797	18-18-21	Mg	00.50	00.51
			Cu	00.05	00.12
			Fe	00.10	00.22
			Mn	00.05	00.05
			Zn	00.05	00.07

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %			
SCOTTS MIRACLE GRO PRODUCTS	PORT WASHINGT 26225	18-24-16	Cu	00.05	00.13			
			Fe	00.10	00.31			
			Mn	00.05	00.06			
			Zn	00.05	00.08			
	28352	18-24-16	Cu	00.05	00.08			
			Fe	00.10	00.16			
			Mn	00.05	00.05			
			Zn	00.05	00.06			
	26058	36-06-06	Fe	00.32	00.36			
	SCOTTS SIERRA HORT PROD CO	MARYSVILLE	OH	25937	09-06-06	Fe	02.00	03.32
						CSRN	07.20	09.78
							CSRK	04.80
						CSRK	04.80	07.18
28218		10-26-10	WIN	02.20	02.66			
			Mg	00.50	00.92			
			SO4-S	04.00	05.85			
			B	00.02	00.04			
			Fe	00.50	00.91			
			Mn	00.05	00.06			
			Zn	00.05	00.19			
25936		14-14-14	CSRN	12.00	13.88			
			CSRK	12.00	13.34			
			CSRK	12.00	13.96			
27202		14-14-14	CSRN	12.00	13.63			
			CSRK	12.00	13.91			
25935		19-06-12	CSRK	12.00	14.11			
			CSRN	16.00	18.92			
			CSRK	05.00	06.50			
27469		20-10-05	CSRK	10.00	13.11			
			WIN	13.00	15.59			
			Ca	02.60	03.69			
			SO4-S	01.60	02.94			
			Fe	00.35	00.87			
SPECTRUM GROUP		ST LOUIS	MO	26519	12-26-06	WIN	04.95	06.62
						CSRN	04.90	06.89
		28498	12-26-06	WIN	04.95	06.11		
	CSRN			04.90	07.04			
	27456	12-36-14	Mg	00.50	00.54			
			B	00.02	00.02			
			Cu	00.05	00.04			
			Fe	00.10	00.11			
			Mn	00.05	00.04			
			Mo	00.00	00.00			
			Zn	00.05	00.04			
			CSRN	03.35	09.86			
	28795	15-13-13	WIN	06.39	06.34			
			Mg	01.20	02.82			
			SO4-S	02.75	03.10			
			Cu	00.10	00.09			
			Fe	01.00	01.67			
			Mn	00.40	00.41			
			Zn	00.40	00.32 *			
			CSRN	03.35	09.86			
			26134	15-30-15	Mg	00.50	00.53	
					B	00.02	00.02	
	Cu	00.05			00.06			
	Fe	00.10			00.13			
	Mn	00.05			00.05			
	Mo	00.00			00.01			
	Zn	00.05			00.05			
25941	20-20-20	Mg	00.50	00.46				
		B	00.02	00.02				
		Cu	00.05	00.04				
		Fe	00.10	00.09				
		Mn	00.05	00.04				
		Mo	00.00	00.00				
		Zn	00.05	00.04				

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
SPECTRUM GROUP	ST LOUIS 26512	MO 24-12-12	Mg	00.50	00.48		
			B	00.02	00.02		
				Cu	00.07	00.07	
				Fe	00.30	00.28	
				Mn	00.05	00.04	
				Mo	00.00	00.00	
				Zn	00.07	00.06	
	28681	24-12-12	Mg	00.50	00.52		
			B	00.02	00.02		
			Cu	00.07	00.06		
			Fe	00.30	00.32		
			Mn	00.05	00.04		
			Mo	00.00	00.00		
	27457	30-10-10	Zn	00.07	00.06		
			Mg	00.50	00.52		
			B	00.02	00.02		
			Cu	00.05	00.04		
			Fe	00.10	00.11		
Mn			00.05	00.04			
Mo			00.00	00.00			
Zn			00.05	00.04			
SPEED AG SERVICE	HICKMAN	KY					
			27610	08-22-29	Zn	00.73	00.69
			27607	13-14-25	Zn	00.69	00.60 *
			27611	16-14-19	B	00.19	00.19
					Zn	00.46	00.49
SQM NORTHAMERICA	ATLANTA	GA					
			27146	00-00-00	B	10.00	11.55
			28015	00-00-00	B	10.00	11.38
			28146	20-20-20	B	00.02	00.02
					Cu	00.05	00.04
					Fe	00.10	00.09
					Mn	00.05	00.04
					Mo	00.01	00.00 *
					Zn	00.05	00.04
			S.S. BARDSTOWN	BARDSTOWN	KY		
27484	07-19-33	B				00.30	00.32
S.S. KY SVC TRIMBLE BR	BEDFORD	KY					
			28552	22-12-17	Zn	00.42	00.39
S.S. CAMPBELLSVILLE BRANCH	CAMPBELLSVILLE	KY					
			28773	25-06-10	Zn	00.66	00.54 *
			28774	25-06-10	Zn	00.66	00.81
			28775	25-06-10	Zn	00.66	00.60
			28776	25-06-10	Zn	00.66	00.56 *
SS LEXINGTON COOP-CYN BRANCH	CYNTHIANA	KY					
			28409	00-00-52	Zn	00.78	00.89
SS RUSSELLVILLE/TODD BRANCH	ELKTON	KY					
			27209	08-22-22	Mg	03.70	04.55
					B	00.26	00.28
					Zn	01.24	01.24
			27210	08-22-22	Mg	03.70	04.19
					B	00.26	00.26
					Zn	01.24	01.15
			27211	08-22-22	Mg	03.72	04.45
					B	00.26	00.28
					Zn	01.26	01.28
			27212	08-22-22	Mg	03.72	04.20
					B	00.26	00.29

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %		
SS RUSSELLVILLE/TODD BRANCH	ELKTON	KY	Zn	01.26	01.17		
SSCINC-KENTUCKIANA SV	EMINENCE	KY					
			26711	04-11-43	B	00.52	00.56
			26713	07-19-31	B	00.34	00.34
					Zn	00.37	00.31 *
			28154	25-08-18	Zn	00.75	00.81
			28155	25-08-18	Zn	00.75	00.71
			28931	27-07-13	Zn	01.33	01.39
	28156	27-10-12	Zn	00.36	00.38		
SS LEXINGTON COOP-PEND BRANCH	FALMOUTH	KY					
			28960	06-17-30	Zn	01.12	01.10
S.S. SIMPSON	FRANKLIN	KY					
			27380	00-16-37	B	00.18	00.24
			27382	10-26-24	Zn	00.58	00.54
S.S. GEORGETOWN	GEORGETOWN	KY					
			29016	00-00-56	B	00.74	00.73
			28631	12-00-14	Mg	01.19	04.67
					SO4-S	02.39	05.66
			28625	13-04-15	Mg	01.64	04.73
					SO4-S	03.29	04.20
			28428	19-00-17	Mg	01.77	02.20
					SO4-S	03.54	08.62
			28627	27-00-22	Zn	00.91	00.85
			28628	27-00-22	Zn	00.91	00.83
28630	30-00-19	Mg	00.30	00.39			
		SO4-S	00.61	00.78			
SS HARDIN COOP HODGENVILLE BR	HODGENVILLE	KY					
			27861	00-23-25	B	00.33	00.34
S.S. HOPKINSVILLE	HOPKINSVILLE	KY					
			25738	04-18-18	Mg	01.45	01.83
					SO4-S	02.91	03.61
			25739	04-18-18	Mg	01.45	01.89
					SO4-S	02.91	03.66
			25585	05-26-22	Mg	02.06	02.55
SO4-S	04.12	04.92					
S.S. HORSE CAVE	HORSE CAVE	KY					
			26473	06-17-34	B	00.81	00.88
S.S. LANCASTER SVC	LANCASTER	KY					
			28251	15-00-27	B	01.20	01.39
S.S. LEBANON SVC	LEBANON	KY					
			28252	16-18-16	Zn	01.77	01.78
S.S. LEXINGTON	LEXINGTON	KY					
			28692	00-00-58	B	00.48	00.45
			28693	25-03-11	Zn	00.25	00.28
S.S. LONDON	LONDON	KY					
			28846	00-10-30	B	00.45	00.33 *
S.S. MAYSVILLE	MAYSVILLE	KY					
			28898	19-06-24	Mg	00.79	00.98



## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %
S S MORGANFIELD	MORGANFIELD	KY			
	27372	16-42-00	Zn	02.51	03.19
S.S. COOP. INC-FERT. DIV.	RICHMOND	VA			
	26583	00-00-00	S	90.00	92.52
	28004	00-00-00	Ca	20.00	20.98
			Mg	12.00	12.26
	26333	00-00-22	Mg	11.00	10.60
			SO <sub>4</sub> -S	22.00	21.09
	28429	00-00-22	Mg	11.00	11.42
			SO <sub>4</sub> -S	22.00	22.25
	26160	18-08-00	SO <sub>4</sub> -S	18.00	20.71
			Zn	02.00	01.85
S.S. COOP, INC	RUSSELLVILLE	KY			
	27170	13-13-13	WIN	03.20	05.01
			Zn	00.00	00.10
S.S. SHELBYVILLE	SHELBYVILLE	KY			
	27686	03-08-13	Zn	00.47	00.54
	27687	03-08-13	Zn	00.47	00.41 *
	28161	08-21-27	B	00.99	01.04
	28165	09-16-27	B	00.04	00.04
			Cu	00.10	00.09
			Fe	00.20	00.83
			Mn	00.10	00.11
			Mo	00.00	00.00
			Zn	00.11	00.20
	28166	09-16-27	B	00.04	00.04
			Cu	00.10	00.09
			Fe	00.20	00.80
			Mn	00.10	00.11
			Mo	00.00	00.00
			Zn	00.11	00.20
	28167	09-17-26	B	00.04	00.04
			Cu	00.11	00.07 *
			Fe	00.23	00.81
			Mn	00.11	00.12
			Mo	00.00	00.00
			Zn	00.11	00.18
	27688	11-28-21	B	00.19	00.21
S.S. SOMERSET	SOMERSET	KY			
	28745	00-08-46	B	00.38	00.39
	28747	23-00-18	Zn	00.27	00.27
S.S. STANFORD SERVICE	STANFORD	KY			
	27707	07-00-38	B	00.59	00.61
S.S. WINCHESTER	WINCHESTER	KY			
	28822	00-00-57	B	00.45	00.46
	27760	00-10-30	B	00.45	00.39
	28343	00-10-30	B	00.45	00.40
	28349	00-10-30	B	00.45	00.42
	28581	00-10-30	B	00.45	00.41
	28809	00-10-30	B	00.45	00.40
	26060	13-34-11	Zn	00.40	00.43
S.S. CLARK	WINCHESTER	KY			
	28398	19-00-20	Zn	00.28	00.28
	28394	23-00-11	B	00.11	00.10
			Cu	00.29	00.30
			Fe	00.59	00.84
			Mn	00.29	00.34
			Mo	00.00	00.00

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %				
S.S. CLARK	WINCHESTER	KY 28-09-00	Zn	00.29	00.45				
			B	00.14	00.13				
			Cu	00.30	00.40				
			Fe	00.70	01.20				
			Mn	00.30	00.37				
			Mo	00.00	00.00				
			Zn	00.30	00.56				
SWISS FARMS PRODUCTS	LAS VEGAS	NV	18-24-16	Cu	00.05	00.05			
				Fe	00.10	00.11			
				Mn	00.05	00.05			
				Zn	00.05	00.05			
				26724	30-10-10	B	00.02	00.02	
						Cu	00.07	00.11	
						Fe	00.32	00.44	
						Mn	00.05	00.06	
						Mo	00.00	00.00	
							Zn	00.07	00.10
TETRA MICRONUTRIENTS	HOUSTON	TX	00-00-00	SO4-S	17.50	19.13			
				Zn	31.00	28.53 *			
TRACE CHEM., INC.	PEKIN	IL	00-00-00	Mo	02.50	02.44			
				Mo	02.50	02.33			
TYLER ENTERPRISES, INC	ELWOOD	IL	20-03-05	CSRN	04.00	01.19 *			
				CSRN	04.00	01.21 *			
U S BORAX INC	VALENCIA	CA	00-00-00	B	15.00	15.99			
				B	15.00	15.60			
				B	15.00	15.95			
				B	15.00	15.62			
				B	15.00	15.89			
				B	15.00	15.57			
				B	15.00	15.16			
				B	15.00	15.48			
				B	15.00	14.83			
				B	15.00	15.13			
				B	15.00	15.12			
				B	15.00	15.36			
VALLEY FARM CENTER, INC.	MONTICELLO	KY	19-15-15	B	00.29	00.23 *			
VOLUNTARY PURCHASING GROUP	BONHAM	TX	09-15-13	B	00.02	00.01			
				Cu	00.05	00.04			
				Fe	00.10	01.67			
				Mn	00.05	00.06			
				Zn	00.05	00.06			
				28503	18-06-12	WIN	12.77	08.68 *	
						B	00.02	00.02	
						Cu	00.05	00.05	
						Fe	00.25	00.86	
						Mn	00.05	00.04	
							Zn	00.05	00.03 *
				27942	21-00-00	SO4-S	22.00	24.54	
				27407	28-04-04	B	00.02	00.01	
						Cu	00.05	00.05	
						Fe	00.10	00.62	

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2000 - JUNE 2001

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TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUARANTEED, %	FOUND, %			
VOLUNTARY PURCHASING GROUP	BONHAM	TX	Mn	00.05	00.05			
			Zn	00.05	00.04			
WARNER FERTILIZER CO.	E. BERNSTADT	KY						
			27714	00-13-41	B	00.17	00.17	
WATCH-US-GROW OF KENTUCKY	CHARLOTTE	NC						
			26950	08-08-08	B	00.02	00.02	
					Cu	00.05	00.04	
						Fe	00.10	00.08 *
						Mn	00.05	00.04
						Zn	00.05	00.04
			27945	08-08-08	B	00.02	00.01	
					Cu	00.05	00.05	
Fe	00.10	00.11						
Mn	00.05	00.04						
			Zn	00.05	00.04			
DORMAN WILSON & SON, INC.	NANCY	KY						
			28983	19-10-14	B	00.18	00.20	
					Zn	00.87	01.06	

TABLE 3. COMPANIES REGISTERED TO SELL FERTILIZERS IN KENTUCKY AS OF JUNE 30, 2001.

ACADIAN SEAPLANTS 30 BROWN AVENUE NOVA SCOTIA CN B3B18	AGRIUM US INC 1205 W VASSAR RD REESE MI 48757	AMERICAN HARDWARE SUPPLY CO. BUTLER PA 16001
ACE HARDWARE PO BOX 4883 OAK BROOK IL 60525	SOUTHWEST LANDMARK INC P.O. BOX 189 XENIA OH 45385	AMERICAN PLANT FOOD PO BOX 410042 CREVE COEUR MO 63141
AG/GRO FERTILIZER CO. 303 HILL STREET WINCHESTER KY 40391	AGRO DISTRIBUTION LLC PO BOX 7000 SIOUX CITY IA 51102	AMPRO INDUST AMTURF DIVISION 1123 129TH AVENUE BRADLEY MI 49311
AG/GRO FERT. CO. #2 PENDLETON STREET WINCHESTER KY 40391	AGRO CULTURE LIQUID FERT DIVISION COG MARKETE ST JOHNS MI 48879	AMSOIL INC 925 TOWER AVE SUPERIOR WI 54880
AG CONCEPTS CORP PO BOX 62 BLISS ID 83314	AGRO DISTRIBUTION LLC PO BOX 459 HARDINSBURG KY 40143	ACCESS BUSINESS GROUP LLC 7575 E FULTON RD ADA MI 49355
AG DISTRIBUTORS INC PO BOX 90366 NASHVILLE TN 37209	AGRO DISTRIBUTION ATTN JOANN SORENSON SIOUX CITY IA 51102	ANDERSON CO FARM SERVICE 145 HAWKINS LAWRENCEBURG KY 40342
AGGRENE CORP 915 TOWER AVE SUPERIOR WI 54880	AIM LAWN & GARDEN PRODUCTS 739 MOORE ROAD AVON LAKE OH 44012	THE ANDERSONS P.O. BOX 119 MAUMEE OH 43537
AG-QUEST PO BOX 116 DRY RIDGE KY 41035	AIR PRODUCTS & CHEMICALS 4575 HWY 90 EAST PACE FL 32571	ASB GREENWORLD PO BOX 1728 VALDOSTA GA 31603
AGRI-ENERGY RESOURCES RR2 BOX 113 PRINCETON IL 61356	ALASKA FISH FERTILIZER CO. 865 EAST VALLEY RD RENTON WA 98055	BALLARD COUNTY COOP PO BOX 329 SUITE 600 LACENTER KY 42056
AGRI-FLO OF KENTUCKY, INC. 3200 WAREHOUSE ROAD OWENSBORO KY 42301	ALLEN CO. FARMERS SERVICE 512 SMITHS GROVE RD. SCOTTSVILLE KY 42164	BANDANA FERTILIZER SERVICE BOX 72 BANDANA KY 42022
AGRI-CHEM INC 11825 LAFAYETTE RD HERNDON KY 42236	ALLEN COUNTY FEED AND SEED 301 SOUTH 4TH ST SCOTTSVILLE KY 42164	BARKY BEAVER MULCH INC RT#1, BOX 84 MOSS TN 38575
AGRI-CHEM, INC. P.O. BOX 31 HOPKINSVILLE KY 42240	ALLENSVILLE CROP SERVICE 7645 ALLENSVILLE RD. ALLENSVILLE KY 42204	BARREN METCALFE INC 8202 SULPHUR WELL KNOBLICK KY 42154
AGRI-CHEM, INC BOX 527 PRINCETON KY 42445	HONEYWELL INC 5601 IRONBRIDGE PKWY CHESTER VA 23831	BARREN METCALFE FERT INC PO BOX 909 EDMONTON KY 42129
AGRI-CHEM INC 393 PENCHAM TRENTON KY 42286	ALLJACK DIV OF UNITED IND ST LOUIS MO 63114	BAYER-PURSELL, LLC 1500 URBAN CENTER DR BIRMINGHAM AL 35242
AGRIGRO FARM CENTER, INC. P.O. BOX 143 HARTFORD KY 42347	ALL LIQUID PLANT FOOD 821 ST RT 511 N RD 3 ASHLAND OH 44805	BEATTY FERTILIZER PO BOX 2878 CLEVELAND TN 37320
AGRILIANCE LLC P.O. BOX 64089 ST. PAUL MN 55164	ALLTECH INC 3031 CATNIP HILL PIK NICHOLASVILLE KY 40356	BECKER UNDERWOOD INC 801 DAYTON AVENUE AMES IA 50010
AGRI PORT TERMINAL 1127 PORT AUTHORITY EDDYVILLE KY 42038	AMERICAN MASTER PRODUCTS INC PO BOX 1001 WIXOM MI 48393	BICKETT AGRI CENTER 9921 STATE RD 56 EAS MORGANFIELD KY 42437
AGRIUM 4582 S ULSTER ST DENVER CO 80237	AMERICAN MASTER PRODUCTS INC 913 DOMINION LANE SALEM VA 24153	BICKETT AGRI CENTER 10391 ST RT 175 NORT CENTRAL CITY KY 42330

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 3. (Continued)

BIGRIVERS AGRI SUPPLY OWENSBORO KY 42304	CARGILL 8813 HWY 41 S RIVERVIEW FL 33569	CONKLIN CO. INC. 551 VALLEY PARK DR SHAKOPEE MN 55379
BIOGREEN 2710 LOSEE RD NORTH LAS VEG NV 89030	CARGILL 401 AGRICO LANE SEYMOUR IN 47274	CONRAD FAFARD PO BOX 790 AGAWAM MA 01001
BLACK GOLD P.O. BOX 190 OXFORD FL 34484	CARLISLE FARMERS SERVICE RT 1 CUNNINGHAM KY 42035	CORBIN FARM & GARDEN CENTER PO BOX 1187 CORBIN KY 40701
BLOOMFIELD FERT. & CHEM CO. BOX 370 BLOOMFIELD KY 40008	CAROLINA SOIL PO BOX 1140 KINSTON NC 28503	COUNTRYMARK COOP INC 950 N MERIDIAN INDIANAPOLIS IN 46204
BLUEGRASS SEED & FERT 3345 BLOOMFIELD RD BARDSTOWN KY 40004	CARROLL CO. FARM BUREAU BOX 187 CARROLLTON KY 41008	COWBELL SEEDS PO BOX 6 BRADLEY MI 49311
BONIDE PRODUCTS INC 2 WURZ AVE YORKVILLE NY 13495	CASH VARIETY STORE 6205 HOLY CROSS RD LORETTO KY 40037	CRITTENDEN FARM SUPPLY 312 W GUM ST MARION KY 42064
BOYD FARM CENTER 222 E PRINCETON CROFTON KY 42217	CAYCE, THOMAS FARM SUPPLY 3069 HWY 1272 PRINCETON KY 42445	CROP PRODUCTION SVC 95 BAKER AVENUE POOLE KY 42444
BRANDT CONSOLIDATED PO BOX 277 PLEASANT PLAI IL 62677	CECILIA FARM SERVICE PO BOX 7 CECILIA KY 42724	CROP PRODUCTION SVC 5357 HOPKINSVILLE RD CADIZ KY 42211
BRECK'S 6523 N. GALENA RD PEORIA IL 61632	CELEX CORPORATION 377 AMELIA ST PLYMOUTH MI 48170	CROP PRODUCTION SVC P.O. BOX 8 CLARKSON KY 42726
OTIS BRYANT & SON PO BOX 148 CANEVILLE KY 42721	CEN. FARMERS SUP. OF GREEN CO. 108 E. COLUMBIA AVEN GREENSBURG KY 42743	CROP PRODUCTION SVC 8381 STATE RT 132 W CLAY KY 42404
BUNTON SEED COMPANY 939 E. JEFFERSON STR LOUISVILLE KY 40206	CENTRAL FIBER CORP 4814 FIBER LANE RD WELLSVILLE KS 66092	CROP PRODUCTION SVC 3705 BEECHWOOD AVE FRESNO CA 93711
BURKESVILLE FERTILIZER CO 160 GARMON FERRY ST BURKESVILLE KY 42717	CHEM ONE CORP 8017 PINEMONT DR HOUSTON TX 77040	CROP PRODUCTION SVC 2084 WINDISH DR GALESBURG IL 61401
BURLEYS BEST INC 746 BENNINGTON PIKE VEVAY IN 47043	CHEVRON CHEM CO-AG. PROD. DIV. 15049 SAN PABLO AVEN RICHMOND CA 94804	CROP PRODUCTION SVC 1229 OUTER 5TH STREE HENDERSON KY 42420
C & F SUPPLY INC PO BOX 88 HWY 70 HISEVILLE KY 42152	CIBA-GEIGY CORP P.O. BOX 18300 GREENSBORO NC 27419	CROP PRODUCTION SVC P.O. BOX 147 HODGENVILLE KY 42748
CF INDUSTRIES, INC. ONE SALEM DRIVE LONG GROVE IL 60047	CIRCLE O FARM CENTER 2ND & MONROE STREETS STURGIS KY 42459	CROP PRODUCTION SVC 6495 SO JACKSON HWY HORSECAVE KY 42749
CAMERON CHEMICALS INC 830 OLD DILL RD SUFFOLK VA 23434	CLEMENTS AGRI SUPPLY PO BOX 347 SPRINGFIELD KY 40069	CROP PRODUCTION SVC P.O. BOX 506 MADISONVILLE KY 42431
CAMPBELLSVILLE CROP SERVICE P O BOX 7 CAMPBELLSVILL KY 42719	COAST TO COAST STORES 501 S CHERRY ST DENVER CO 80222	CROP PRODUCTION SVC ROUTE #4; BOX 63 MORGANFIELD KY 42437
CAREFREE LAWNS, INC. 90 BEECHWOOD ROAD LOUISVILLE KY 40207	COLES LIME FERTILIZER 3005 STATE LINE RD HAZEL KY 42049	CROP PRODUCTION SVC P.O. BOX 1279 CADIZ KY 42211

TABLE 3. (Continued)

CROP PRODUCTION SVC P.O. BOX 129 PEMBROKE KY 42266	DRAKES FARM SERVICE LOGANSPORT ROAD MORGANTOWN KY 42261	FARMERS LIME CO. HWY 45 E SOUTH FULTON TN 38257
CROP PRODUCTION SVC P.O. BOX 777 RUSSELLVILLE KY 42276	DREXEL CHEMICAL CO PO BOX 13327 MEMPHIS TN 38113	FARMERS MFG CO., INC. 5635 LOOP ROAD DORSEY IL 62021
CROP PRODUCTION SVC 4630 US HWY 60E WAVERLY KY 42462	DUKE ENERGY MERCHANTS LLC 10777 WESTHEIMER HOUSTON TX 77042	FARMERS PLANT FOOD INC. BOX J GARRETSON SD 57030
CROWN TECHNOLOGY INC 7513 E 96TH ST INDIANAPOLIS IN 46256	EARTHGRO INC 14111 SCOTTSLAWN RD MARYSVILLE OH 43041	FARM FOR PROFIT 4345 HWY 21 EMBARRESS MN 55732
CUB RUN MILLING CO. 11115 CUB RUN HWY. CUB RUN KY 42729	EASY GARDNER PO BOX 21025 WACO TX 76702	FARMLAND INDUSTRIES INC 3315 N OAK TRAFFICWA KANSAS CITY MO 64116
CYPRESS CHEMICAL COMPANY PO BOX 589 HELENA AR 72342	ECOORGANICS, INC P.O. BOX 9612 NORTH AMHERST MA 01059	FARM SUPPLY DISTRIBUTORS 801 1/2 JEFFERSON AV COOKEVILLE TN 38501
DABNEY FEED SUPP OF BRODHEAD 5215 HWY 150 BRODHEAD KY 40409	ECOVAL TECHNOLOGIES 3600 BOULDV CENTENAI ONTARIO CN H1B 5	FARNAM COMPANY 301 WEST OSBORNE PHOENIX AZ 85013
DABNEY FEED SUPP OF SOMERSET 9210 HIGHWAY 39 SOMERSET KY 42501	ELKTON CROP SERVICE 4050 GUTHRIE RD GUTHRIE KY 42234	FELTY CROP SERVICE PO BOX 186 BEAVER DAM KY 42320
DABNEY FEED SUPP OF WILLAILLA 6075 HWY 70 BRODHEAD KY 40409	EMERALD ISLE 2153 NEWPORT RD ANN ARBOR MI 48103	FISONS HORTICULTURE INC 177 SANFORDVILLE RD WARWICK NY 10990
DAVEY TREE EXPERT CO. 1500 NORTH MANTUA ST KENT OH 44240	ENVIRO SAFE LABS 17455 SW 157 AVE MIAMI FL 33187	FLEMING CO. FARM SUPPLY ROUTE 3 FLEMINGSBURG KY 41041
THE DAVEY TREE EXPERT CO 6065 BRANCH HILL GUI MILFORD OH 45150	ESCO PO BOX 655650 DALLAS TX 75265	FLORATINE PRODUCTS 144 MID SOUTH COVE COLLIERVILLE TN 38017
DELTA FORMULATION PO BOX 4812 GREENVILLE MS 38704	THE ESPOMA COMPANY 6 ESPOMA ROAD MILLVILLE NJ 08332	FOSTER & GALLAGER 1950 WALDORF NW GRAND RAPIDS MI 49550
DEXOL IND DIV OF RINGER ATTN LIZ NESLAND BLOOMINGTON MN 55431	EVERGREEN LIQUID PLT FD RR #1 BRESLAU ON CN NOBIM	FRANKLIN CROP SERVICE 2169 SPRINGFIELD ROA FRANKLIN KY 42134
DFC AGROTECH PO BOX 1420 SHERMAN TX 75091	FAIRPLAY FERTILIZER 453 PRES MITCHUM RD FAIRPLAY KY 42735	FREE FLOW FERTILIZER CO. P. O. BOX 119 MAUMEE OH 43537
DIAMOND ASSOC 308 RIDGEHILL DR HOPKINSVILLE KY 42240	FARMERS FERTILIZER CO. 739 KELLEY RD BOWLING GREEN KY 42101	FREE FLOW FERTILIZER FREE FLOW FERTILIZER MAUMEE OH 43537
DO IT BEST 6502 NELSON RD FT WAYNE IN 46801	FARMERS FERTILIZER CO. 5619 OLD NASHVILLE R BOWLING GREEN KY 42101	ROOT BLAST INTERNATIONAL, INC 4433 38TH ST NW CANTON OH 44718
DOMESTIC FERTILIZER INC. 1750 SEVENTEENTH ST PARIS KY 40361	FARMERS FERTILIZER CO. 150 SUNSET AVE SMITHS GROVE KY 42171	FRIT INDUSTRIES PO BOX 1589 OZARK AL 36361
DRAGON CORPORATION P.O. BOX 7311 ROANOKE VA 24019	FARMERS GIN COMPANY P O BOX 295 CLINTON KY 42031	FRUIT BELT SERVICE CO PO BOX 366 VIENNA IL 62995

## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

JULY 2000 - JUNE 2001

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TABLE 3. (Continued)

GAMALIEL BULK FERTILIZER INC 701 EAST MAIN ST. GAMALIEL KY 42140	GROWERS CHEMICAL CORP. LOCKWOOD RD. MILAN OH 44846	HOLLINSWORTH FERT 8021 GLASGOW RD MT HERNON KY 42157
GARDENER'S DELIGHT 30 CRAIG ST BRANTFORD ONT CN N3R 7	GROWTH PRODUCTS LTD P.O. BOX 1252 WHITE PLAINS NY 10602	HONEY CREST FARMS 8868 LEE LANE BENTONVILLE AR 72712
GENERAL HYDROPONICS PO BOX 1576 SEBASTOPOL CA 95473	GURNEY SEED & NURSERY 110 CAPITAL ST YANKTON SD 57078	HOWARD JOHNSONS ENT INC 700 W VIRGINIA ST MILWAUKEE WI 53204
GLENDALE FARM SVC P.O. BOX 155 GLENDALE KY 42740	GURNEY SEED 1950 WALDORF NW GRAND RAPIDS MI 49550	HYDRO AGRI N AMERICA 100 N TAMPA ST #3200 TAMPA FL 33602
GLORIOUS GARDENS PO BOX 3628 DES MOINES IA 50322	HAIMBAUGH ENTERPRISES 2392 N BOEING DR WARSAW IN 46580	HYPONEX CORP. 14111 SCOTTSLAWN RD MARYSVILLE OH 43041
GRANT CO FARM SUPPLY P.O. BOX 116 DRY RIDGE KY 41035	HANCOCK COUNTY FARM SUPPLY BOX 95 HAWESVILLE KY 42348	IMCOVIGORO PO BOX 512 WINTER HAVEN FL 33882
GRAVES CO SOIL ASSN 518 BEECH STREET MAYFIELD KY 42066	HARDINSBURG FARM SUPPLY RT#1, BOX 138 HARNED KY 40144	IMC GLOBAL P.O. BOX 2000 MULBERRY FL 33860
GREEN CHARGER FERT. CORP. P.O. BOX 26234 RICHMOND VA 23260	HARMONY PRODUCTS 2005 OLD GRIENBRIER CHESAPEAKE VA 23320	IMC PHOSPHATES CO 100 S. SAUNDERS RD LAKE FOREST IL 60045
GREEN AID PRODUCTS PO BOX 1701 LAPORTE IN 46350	HEARTLAND FERTILIZER CO P.O. BOX 877 PALMETTO FL 34220	INTERNATIONAL PLANT FOODS 31098 BIG BEAR DR EVERGREEN CO 80439
GREEN & HAGSTROM 7767 FERNVALE RD FAIRVIEW TN 37062	HELENA CHEMICAL CO 1705 7TH ST HICKMAN KY 42050	IRONITE PRODUCTS COMPANY PO BOX 218 HUMBOLDT AZ 86329
GREENLEAF PLANT FOOD INC PO BOX 113 DANVILLE KY 40423	HELENA CHEMICAL COMPANY 225 SCHILLING BLVD COLLIERVILLE TN 38017	IRONITE PRODUCTS COMPANY 8700 VIA DE VENTURA SCOTTSDALE AZ 85258
GREEN LIGHT CO PO BOX 17985 SAN ANTONIO TX 78217	HELENA CHEMICAL COMPANY P.O. BOX 366 SPRINGFIELD KY 40069	JANES FERT. & FARM SUPPLY 4540 EDMONTON ROAD COLUMBIA KY 42728
GREENLON, INC. 1920 LOSANTIVILLE AV CINCINNATI OH 45237	HELM FERTILIZER 10210 HIGHLAND MANOR TAMPA FL 33619	J B RUCK & ASSOCIATES 599 HANSELL RD WYNNEWOOD PA 19096
GREEN RIVER FEED MILL PO BOX 410 MORGANTOWN KY 42261	HENRI STUDIO 1250 HENRI DRIVE WAUCONDA IL 60084	JC PRINZO CONSULTING 6678 SPRINGDALE DR MIDDLEBURG HE OH 44130
GRIFFIN CORPORATION PO BOX 1847 VALDOSTA GA 31603	HENRY FARMERS COOP. 1211 W. WOOD PARIS TN 38242	JEFFERSONVILLE RIVER TERMINAL 5130 PORT ROAD JEFFERSONVILL IN 47130
GRIFFIN INDUSTRIES INC PO BOX 402 HENDERSON KY 42420	HENRY FIELD SEED & NURSERY 415 N BURNETT SHENANDOAH IA 51601	JIFFY PRODUCTS OF AMERICA INC 951 SWANSON DR BATAVIA IL 60510
GRIFFIN INDUSTRIES INC 4221 ALEXANDRIA PIKE COLD SPRING KY 41076	FRANK HINTON & SON PO BOX 10 PLUMMERS LAND KY 41081	JRM CHEMICAL 15663 NEO PKWY CLEVELAND OH 44128
GRO TEC INC PO BOX 290 MADISON GA 30650	HOFFMAN A. H. P.O. BOX 290 LANCASTER NY 14086	J R PETERS 6656 GRANT WAY ALLEN TOWN PA 18106

TABLE 3. (Continued)

J.R. SIMPLOT P.O. BOX 27 BOISE ID 83707	LESCO, INC. PO BOX 16915 ROCKY RIVER OH 44116	MAUGET, J.J. CO., INC. 5435 PECK RD ARCADIA CA 91006
J.R. SIMPLOT COMPANY 16777 HOWLAND RD LATHROP CA 95330	LIDOCHEM INC 20 VILLAGE COURT HAZLET NJ 07730	MAYFIELD GRAIN CO P.O. BOX 950 MAYFIELD KY 42066
JUNGLE LABORATORIES BOX 630 CIBOLO TX 78108	LIVINGSTON CO FARM STORE 427 E. ADAIR SMITHLAND KY 42081	MAYSLICK MILL 6538 US 68 MAYSLICK KY 41055
KEES FARM SERVICE, INC. PO BOX 901 GRAYSON KY 41143	LOFTS SEED INC 1399 ASHLEYBROOK LAN WINSTON SALEM NC 27103	MCGILL FARM SUPPLY 364 MCGILL ROAD CLAY KY 42404
KELLY PRODUCTS INC PO BOX 1508 COVINGTON GA 30210	LONCALA INC 125 NW 1ST AVE HIGH SPRINGS FL 32655	MCWHORTER BROS. FARM SER., INC 206 WASHINGTON ST. ALBANY KY 42602
KENTUCKY WORM KING LLC 3020 MT ZION CRESTWOOD KY 40014	LYONCO FARM SUPPLY INC PO BOX 571 TOMPKINSVILLE KY 42167	MEACHAM NITROGEN SERV. 3072 US HWY 60 WEST MORGANFIELD KY 42437
KENTUCKY FERTILIZER WORKS 303 HILL ST WINCHESTER KY 40391	MACON-TROUSDALE FARMERS COOP. 905 SCOTTSVILLE RD. LAFAYETTE TN 37083	MEIJER, INC GRAND RAPIDS MI 49544
K-MART CORP. 3100 W BIG BEAVER RD TROY MI 48084	MAGIC GREEN CORP 4598 HWY H SILEX MO 63377	METCALFE CO FARMERS SUPP P.O. BOX 178 EDMONTON KY 42129
KNOX FERTILIZER CO., INC. W. CULVER ROAD KNOX IN 46534	MAJESTIC EARTH P.O. BOX 790 AGAWAM MA 01001	MFA INCORPORATED 201 RAY YOUNG DRIVE COLUMBIA MO 65201
LANGE STEGMAN CO ONE ANGELICA ST ST LOUIS MO 63147	MARKMAN PEAT CORPORATION PO BOX 3304 DAVENPORT IA 52808	MICHIGAN PEAT PO BOX 980129 HOUSTON TX 77098
LAROCHE INDUSTRIES, INC. 1100 JOHNSON FERRY R ATLANTA GA 30342	MARLOW BILL 10743 BROWER RD NORTH BEND OH 35052	MICHIGAN BULB COMPANY 1950 WALDORF NW GRAND RAPIDS MI 49550
LAWN CURE OF SOUTHERN IN 1611 SPRING ST. JEFFERSONVILL IN 47130	MARSHALL CTY SOIL IMP. ASSOC. PO BOX 230 BENTON KY 42025	MILES FARM CENTER PO BOX 10 EKRON KY 40117
LAWNLORDS INC 28 MILLER RD WHEELERSBURG OH 45694	MARSHALL COUNTY SOIL IMP. PO BOX 38 SMITHLAND KY 42081	MILES FARM CENTER P.O. BOX 229 SACRAMENTO KY 42372
LEBANON CHEM - GREENVIEW DIV. 1600 EAST CUMBERLAND LEBANON PA 17042	MARTIN MARIETTA MAGNESIA SPEC 1800 EAST LAKE ROAD MANISTEE MI 49660	MILES FARM CENTER P.O. BOX 488 SHELBYVILLE KY 40065
LEBANON CHEMICAL CO. 1600 EAST CUMBERLAND LEBANON PA 17042	MARTIN MARIETTA MAGNESIA ATTN: ACCOUNTING DEP RALEIGH NC 27622	MILES FARM SUPPLY P. O. BOX 310 CYNTHIANA KY 41031
LEBANON SEABOARD 1600 EAST CUMBERLAND LEBANON PA 17042	MARTIN RESOURCES PO DRAWER 191 KILGORE TX 75662	MILES FARM SUPPLY P.O. BOX 493 LEBANON KY 40033
LESCO INC 59 DWIGHT ST HATFIELD MA 01038	MASTERBLEND INTERNATIONAL LCC 0000 CHICAGO IL 60629	MILES FARM SUPPLY PO BOX 22879 OWENSBORO KY 42304
LESCO INC 15885 SPRAGUE ROAD STRONGSVILLE OH 44136	MATHIS FARM SUPPLY 5799 SHAW ROAD MELBER KY 42069	MILES FARM SUPPLY P.O. BOX 108 UPTON KY 42784



## ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

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TABLE 3. (Continued)

MILLBURN PEAT CO INC P. O. BOX 236 LAPORTE IN 46352	NATIONAL PRODUCTS PO BOX 1701 LA PORTE IN 46352	PARRISH SHOP & SALES 8834 LARUE ROAD HENDERSON KY 42420
MILLER CHEMICAL & FERT. CORP. RADIO ROAD HANOVER PA 17331	NATIONAL EARTH PRODUCTS PO BOX 391 MARENGO IN 47140	PAYGRO DIV OF GARICK 11000 HUNTINGTON RD S. CHARLESTON OH 45368
MILLER'S LAWN CARE 755 BUZZARD ROAST RD SHELBYVILLE KY 40065	NEA ENTERPRISES PO BOX 706 JACKSON OH 45640	PBI GORDON PO BOX 14090 KANSAS CITY KS 64101
MILLERSBURG FERTILIZER CO. P.O. BOX 284 MILLERSBURG KY 40348	NEW EEZY GRO INC 218 TOLEDO ST. CAREY OH 43316	PCS SALES (USA) INC 1101 SKOKIE BLVD NORTHBROOK IL 60062
MILORGANITE DIVISION MMSD PO BOX 3049 MILWAUKEE WI 53201	NEW PLANT LIFE PO BOX 45 LA PORTE IN 46352	PECOS AGRICULTURAL CORP PO BOX 1712 TX 79
MINERAL SOLUTIONS C/O DARRYL KNEPPER ROCKPORT IN 47635	NORTH COUNTRY ORGANICS PO BOX 372 BRADFORD VT 05033	PENNINGTON SEED INC P.O. BOX 338 GREENFIELD MO 65661
MINERAL PROCESSING 1855 CH 99 CAREY OH 43316	NORTHERN STAR MINERALS IN 2910 GRANT LINE RD. NEW ALBANY IN 47150	PENNINGTON SEED INC PO BOX 290 MADISON GA 30650
MIRACLE GRO LAWN PRODUCTS 800 PORT WASHINGTON PORT WASHINGT NY 11050	NORTRACE LTD PO BOX 1286 GREELEY CO 80632	PENN TURF PRODUCTS 205 EAST BEAVER AVE STATE COLLEGE PA 16801
MISSISSIPPI CHEMICAL CO LP PO BOX 1545 YAZOO CITY MS 39194	NOVARTIS CROP PRODUCTION PO BOX 18300 GREENSBORO NC 27419	PENNYRILE AG OIL, INC. 2260 PRINCETON RD. HOPKINSVILLE KY 42240
MISSISSIPPI PHOSPHATES PO BOX 986 YAZOO CITY MS 39194	NU GARDENER 1000 HIGHVIEW DR WEBBERVILLE MI 48892	PERDVE-AGRI RECYCLE LLC 28338 ENVIRO WAY SEAFORD DE 19973
MISSISSIPPI POTASH PO BOX 1914 YAZOO CITY MS 39194	NU GRO TECHNOLOGIES INC 2680 HORIZON DR GRAND RAPIDS MI 49546	PETERS FERT PROD W R GRACE CO 570 GRANT WAY FOGELSVILLE PA 18051
MOBIL MINING & MINERALS P.O. BOX 3440 PASADENA TX 77501	NULEX, INC 1919 GRAND AVE SIOUX CITY IO 51106	PHELPS DODGE REFINING CORP PO BOX 20001 EL PASO TX 79998
MONTANA SULFUR & CHEM. CO. P.O. BOX 31118 BILLINGS MT 59107	NUTRA-FLO CO. 1919 GRAND AVE SIOUX CITY IA 51107	PICC 201 E 42ND ST NEW YORK NY 10017
MONTYS PLANT FOOD 8608 PERRY ROAD LOUISVILLE KY 40222	NUTRECOLOGY INC 17 VILLAGE COURT HAZLET NJ 07730	PIONEER SOUTHERN, INC. 310 KENYON RD SUFFOLK VA 23434
MONTYS PLANT FOOD ATTN JOHN PETREY LOUISVILLE KY 40222	OCEAN CREST SEAFOODS INC 88 COMMERCIAL ST GLOUCESTER MA 01930	PIONEER SOUTHERN PO BOX 266 LANCASTER NY 14086
MORRAL COMPANIES 132 POSTLE ST MORRAL OH 43337	OLDFIELD, J.A. & SON 110 N. MILL ST. MIZE KY 41352	PLANT MARVEL LABORATORIES 371 EAST 16TH ST. CHICAGO HEIGH IL 60411
MULCH 6747 TAYLOR RD SW REYNOLDSBURG OH 43068	OPTIFLORA INC. PO BOX 78565 NASHVILLE TN 37207	PLANTABBS PRODUCTS PO BOX 165 HUNT VALLEY MD 21030
NA-CHURS/ALPINE SOLUTIONS 421 LEADER STREET MARION OH 43302	PBI/GORDON CORPORATION 1217 W. 12TH ST. KANSAS CITY MO 64101	PLANTEK 314 ORENDA RD BRAMPTON CN L6T 1

TABLE 3. (Continued)

PLANTWISE 1402 W MAIN ST LOUISVILLE KY 40203	RINGER CORPORATION ATTN DAVID ANDERSON BLOOMINGTON MN 55431	ROYSTER CLARK 902 DEMPSEY ROAD MADISON WI 53714
PLANT-WISE BIOSTIMULANT 1402 W. MAIN ST. LOUISVILLE KY 40203	RIPS FARM CENTER PO BOX 176 TOLLESBORO KY 41189	ROYSTER CLARK 204 W RAILROAD AVE MURRAY KY 42071
PLATTE CHEMICAL COMPANY 150 SOUTH MAIN STREE FREMONT NE 68025	RIVER AG. OF ILLNOIS, INC. BOX 629 METROPOLIS IL 62960	ROYSTER CLARK 999 WATERSIDE DR NORFOLK VA 23510
PLATTE CHEMICAL COMPANY P.O. BOX 667 GREELEY CO 80632	RIVERSIDE/TERRA CORP. TERRA CENTRE, 600 4T SIOUX CITY IA 51101	ROYSTER CLARK 1680 STATE RT 339 E SEDALIA KY 42079
PLEASANT VIEW FARMS AGRI SERV. P.O. BOX 23 SOUTH UNION KY 42283	ROCKCASTLE FARM SUPPLY PO BOX 1944 MT VERNON KY 40456	ROYSTER CLARK PO BOX 40 UNION CITY TN 38261
C D POORE FERTILIZER 708 BURKESVILLE RD ALBANY KY 42602	ROSE ACRE FARMS PO BOX 1250 SEYMOUR IN 47274	ROYSTER CLARK PO BOX 117 WYNNBURG TN 38077
PQ CORP PO BOX 840 VALLEY FORGE PA 19482	ROYSTER CLARK 249 NEEDMORE RD. CLARKSVILLE TN 37040	ROYSTER CLARK HIGHWAY ONE SOUTH MT CARMEL IN 62863
PRICES MILL FARM 3608 NEOSHEO PRICES FRANKLIN KY 42134	ROYSTER CLARK BOX 401 FRANKLIN KY 42134	ROYSTER CLARK 5081 HWY 431 N SPRINGFIELD TN 37172
PRO-SOL P.O. BOX 1589 OZARK AL 36361	ROYSTER CLARK P.O. BOX 395 GUTHRIE KY 42234	ROYSTER CLARK BOX 128 UTICA KY 42376
PURE-TEX FERTILIZER INC PO BOX 1712 PECOS TX 79772	ROYSTER CLARK 3902 SCHOCHOH RD ADAIRVILLE KY 42202	ROYSTER CLARK 717 ROBINSON ROAD WASHINGTON CH OH 43160
PURSELL INDUSTRIES, INC 1500 URBAN CTR BIRMINGHAM AL 35242	ROYSTER CLARK BOX 38 CEDAR HILL TN 37032	ROYSTER CLARK 3105 GLENN AVE WINSTON-SALEM NC 27115
PURSELL INDUSTRIES 1500 URBAN CENTER PK SYLACAUGA AL 35242	ROYSTER CLARK 5216 GUTHRIE HIGHWAY CLARKSVILLE TN 37040	ROYSTER CLARK P.O. BOX 1986 COLLINSVILLE IL 62234
QUALITY BORATE COMPANY 3690 ORANGE PLACE CLEVELAND OH 44122	ROYSTER CLARK 6 EXECUTIVE DR COLLINSVILLE IL 62234	RUDOLPH FARM SUPPLY 521 EAST MAIN STREET SALEM KY 42078
RAINTREE SVCS OF W KY DBA CHEMLAWN BOWLING GREEN KY 42101	ROYSTER CLARK 10693 STATE RT 121 N FANCY FARM KY 42039	RUSSELLVILLE CROP P.O. BOX 8 RUSSELLVILLE KY 42276
RAINTREE SVCS OF W KY BBA CHEMLAWN PADUCAH KY 42001	ROYSTER CLARK PO BOX 158 FLORENCE AL 35631	SANDIDGE'S STORE P.O. BOX 95 EUBANK KY 42567
REGISTRATIONS BY DESIGN 118 1/2 E. MAIN ST SALEM VA 24153	ROYSTER CLARK 179 SIMPSON ST FULTON KY 42041	SAS GROUP INC 200 WHITE PLAINS RD TARRYTOWN NY 10591
RICH POND CROP SERVICE 1753 RICHPOND RD BOWLING GREEN KY 42101	ROYSTER CLARK 170 2ND ST HARDIN KY 42048	SCHOCHOH CROP SERVICE 5240 HALL STORE RD RUSSELLVILLE KY 42276
RINGER CORP. 9100 W BLOOMINGTON H BLOOMINGTON MN 55431	ROYSTER CLARK 151 STATELINE RD BOX HAZEL KY 42029	SCHULTZ COMPANY 13260 CORPORATE EXCH BRIDGETON MO 63044

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY

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TABLE 3. (Continued)

SCOTT FARMERS COOP PO BOX 4816 ONEIDA TN 37841	SPECTRUM GROUP DIV OF UNITED INDUST ST LOUIS MO 63114	S.S. GRN RVR SVC ADAIR CO BR 210 MERCHANT ST COLUMBIA KY 42728
THE SCOTTS COMPANY 14111 SCOTTS LAWN RD MARYSVILLE OH 43041	SPEED AG SERVICE 345 ST RT 166W HICKMAN KY 42050	SS LEXINGTON COOP-CYN BRANCH P.O. BOX 337 CYNTHIANA KY 41031
SCOTT FARMERS CO-OP P.O. BOX 4816 ONEIDA TN 37841	SPEEDLING INCORPORATED PO BOX 307 BUSHNELL FL 33513	S.S. BOYLE BRANCH 1244 LEBANON ROAD DANVILLE KY 40422
SCOTTS MIRACLE-GRO PRODUCTS 14111 SCOTTS LAWN RD MARYSVILLE OH 43041	SPEEDLING PO BOX 7220 SUN CITY FL 33586	S.S. HARDIN 402 S MULBERRY ST ELIZABETHTOWN KY 42701
SCOTTS MIRACLE GRO PRODUCTS 800 PORT WASHINGTON PORT WASHINGT NY 11050	SPRING HILL NURSERIES 110 W. ELM ST. TIPP CITY OH 45371	SS RUSSELLVILLE/TODD BRANCH P. O. BOX 278 ELKTON KY 42220
SCOTTS SIERRA HORT PROD CO 14111 SCOTTS LAWN RD MARYSVILLE OH 43041	SPRING VALLEY DIV OF VOGEL SEED & JACKSON WI 53037	SSCINC-KENTUCKIANA SV HENRY BRANCH EMINENCE KY 40019
SEARS ROEBUCK COMPANY 3333 BEVERLY RD HOFFMAN ESTAT IL 60179	SQM NORTHAMERICA 3101 TOWERCREEK PKWY ATLANTA GA 30339	SS LEXINGTON COOP-PEND BRANCH PO BOX 231 FALMOUTH KY 41040
SECURITY PRODUCTS 7801 METRO PKWY MINNEAPOLIS MN 55459	S.S. BARDSTOWN 403 CATHEDRAL MANOR BARDSTOWN KY 40004	S.S. FLEMINGSBURG PO BOX 167 FLEMINGSBURG KY 41041
SECURITY PRODUCTS 301 WEST OSBORNE PHOENIX AZ 85013	S.S. KY SVC TRIMBLE BR 29 NEW HOPE ROAD BEDFORD KY 40006	S.S. ANDRSN-FRANKLN SVC 1211 WILKINSON BLVD FRANKFORT KY 40601
SECURITY SEED & CHEMICAL 5217 GUTHRIE HWY CLARKSVILLE TN 37040	S.S. BOWLING GREEN 640 PLUM SPRGS BOWLING GREEN KY 42101	S.S. SIMPSON PO BOX 528 FRANKLIN KY 42134
SECURITY SEED/CHEMICAL 5217 GUTHRIE HWY CLARKSVILLE TN 37040	SS COOP BRANDENBURG SERVICE 688 E BROADWAY BRANDENBURG KY 40108	S.S. GEORGETOWN 1141 PARIS ROAD GEORGETOWN KY 40324
SHELLEY, W.H. GEN MERCHANDISE ROUTE #2, BOX 105 HILLSBORO KY 41049	S.S. COOP INC 136 BAKERY ROAD BRISTOL VA 24201	S.S. GLASGOW 300 SAMSON ST. GLASGOW KY 42141
SIERRA CHEMICAL CO 1001 YOSEMITE DR. MILPITAS CA 95035	S.S. CADIZ BRANCH 2829 HOPKINSVILLE RD CADIZ KY 42211	S.S. GREEN CO SVC PO BOX 218 GREENSBURG KY 42743
SIMS AG PRODUCTS 3795 CR 29 MT GILEAD OH 43338	SS COOP CALHOUN SERVICE 1432 KY 136E CALHOUN KY 42327	S.S. GREENVILLE 212 W. DEPOT STREET GREENVILLE KY 42345
THE SOLARIS GROUP 14111 SCOTTS LAWN RD MARYSVILLE OH 43041	S.S. CAMPBELLSBURG BR 7432 CARROLLTON RD CAMPBELLSBURG KY 40011	SS HARDIN COOP HODGENVILLE BR 310 WEST WATER STREE HODGENVILLE KY 42748
SOUTHDOWN INC PO BOX 610 CASTLEWOOD VA 24224	S.S. CAMPBELLSVILLE BRANCH 1720 E BROADWAY CAMPBELLSVILLE KY 42718	S.S. BRECK 122 OLD HWY 60 HARDINSBURG KY 40143
SOUTHERN IMPORTERS, INC. P.O. BOX 8579 GREENSBORO NC 27419	S.S. OWINGSVL CARLISLE SERVICE PO BOX 557 CARLISLE KY 40360	S.S. CNTRL KY SVC HARRDSBRG 1027 N COLLEGE HARRODSBURG KY 40330
SPECIALTY FERT PROD 134 CHERRY HILL DRIV BELTON MO 64012	S.S. CLAY SERVICE 205 E. RAILROAD ST. CLAY KY 42404	S.S. HENDERSON 5290 HWY 425 BYPASS HENDERSON KY 42420

TABLE 3. (Continued)

S.S. HOPKINSVILLE 501 EAST 13TH ST HOPKINSVILLE KY 42240	S.S. OWINGSVILLE SVC PO BOX 557 OWINGSVILLE KY 40360	STERN'S MIRACLE-GRO PRODUCTS 800 PT. WASHINGTON B PORT WASHINGT NY 11050
S.S. HORSE CAVE P.O. BOX 339 HORSE CAVE KY 42749	S.S. LEXINGTON PARIS BR 1488 S MAIN ST PARIS KY 40361	STOLLER ENTERPRISES 8580 KATY FRWY STE 2 HOUSTON TX 77024
SS COOP ISLAND SERVICE 101 W BROADWAY ISLAND KY 42350	S.S. RICHMOND SERVICE BOX 916 RICHMOND KY 40475	SUMMERS ORGANIZATION LLC DBA PREMIUM WOOD AND JACKSON OH 45640
S.S. KY SVC LAGRANGE BR 112 SOUTH FIRST ST LAGRANGE KY 40031	S.S. COOP. INC-FERT. DIV. BOX 26234 RICHMOND VA 23260	SUN BULB CO INC PO DRAWER 698 ARCADIA FL 34265
S.S. LANCASTER SVC 436 RICHMOND ROAD LANCASTER KY 40444	SSC INC CROPS FARM & HOME P.O. BOX 26234 RICHMOND VA 23260	SUNCOAST/AGRI-PRODUCTS RT#1, BOX 8A GREENVILLE FL 32331
S.S. ANDRSN FRNKLN LWRNCEBERG B 1241 GLENSBORO RD LAWRENCEBURG KY 40342	SS ADAIR RUSSELL SPRINGS PO BOX 280 RUSSELL SPRIN KY 42642	SUN GRO HORTICULTURE 15831 N.E. 8TH ST. BELLEVUE WA 98008
S.S. LEBANON SVC 215 DEPOT STREET LEBANON KY 40033	S.S. RUSSELLVILLE 209 N BETHEL ST RUSSELLVILLE KY 42276	SUNWRAY LIQUID FERT., INC. 2559 STATE RT 94W WINGO KY 42088
S.S. LEITCHFIELD 118 W. WHITE OAK ST. LEITCHFIELD KY 42754	S.S. COOP, INC P.O. BOX 600 RUSSELLVILLE KY 42276	SUPERGRO OF VIRGINIA P.O. BOX 67 EWING VA 24248
S.S. LEXINGTON 949 PINE ST. LEXINGTON KY 40508	SS COOP MADISONVILLE SEBREE BR 1112 HWY 41-N SEBREE KY 42455	SURETRACK MELT P.O. BOX 84 TALMAGE PA 17580
S.S. LIBERTY SVC 225 S WALLACE WILKIN LIBERTY KY 42539	S.S. SHELBYVILLE 623 SOUTH 7TH STREET SHELBYVILLE KY 40065	SUSTANE CORP 310 HOLIDAY AVE CANNON FALLS MN 55009
S.S. LONDON P.O. BOX 604 LONDON KY 40741	S.S. SOMERSET 941 N HWY 27 SOMERSET KY 42503	SWISS FARMS PRODUCTS 3773 HOWARD HUGHES P LAS VEGAS NV 89109
S.S. MADISONVILLE 1001 PRIDE AVE MADISONVILLE KY 42431	S.S. LEBANON SPRINGFIELD SVC 1752 BARDSTOWN RD SPRINGFIELD KY 40069	SYBRON BIOCHEMICAL 111 KESLER MILL RD SALEM VA 24153
S.S. MAYSVILLE 1325 CLYDE T BARBOUR MAYSVILLE KY 41056	S.S. STANFORD SERVICE 925 CRAB ORCHARD RD STANFORD KY 40484	G M TAYLOR SEED COMPANY PO BOX 1303 GEORGETOWN KY 40324
S S MORGANFIELD 304 N TOWNSEND ST MORGANFIELD KY 42437	S.S. GALLATIN CO SVC BOX 408 WARSAW KY 41095	TENNESSEE CHEMICAL CO. MILITARY ST COPPERHILL TN 37317
S.S. MURRAY P.O. BOX 750 MURRAY KY 42071	S.S. WINCHESTER P.O. BOX 516 WINCHESTER KY 40391	TENNESSEE FARMERS COOPERATIVE 200 WALDRON ROAD LAVERGNE TN 37086
S.S. NICHOLASVILLE SVC THIRD & DEPOT ST. NICHOLASVILLE KY 40356	S.S. CLARK 21 PENDLETON ST WINCHESTER KY 40391	TERRA RENEWAL SERVICES 611 UNION ST DARDANELLE AR 72834
SS OWENSBORO 800 CRABTREE AVE OWENSBORO KY 42301	STANLEY CROP SERVICE P.O. BOX 37 STANLEY KY 42375	TERRA NITROGEN CORPORATION 5100 E SKELLEY DR TULSA OK 74135
S.S. OWENTON 355 N MAIN ST OWENTON KY 40359	STATESMAN LAWN & GARDEN PROD 6606 WEST BROAD ST. RICHMOND, VA 23260	TESSENDERLO KERLEY 2255 N 44TH ST PHOENIX AZ 85008

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TETRA MICRONUTRIENTS PO BOX 73087 HOUSTON TX 77273	TRUGREEN L P 1400 N CULLEN AVE EVANSVILLE IN 47715	VALLEY FARM CENTER, INC. 1314 N MAIN ST MONTICELLO KY 42633
TETRA MICRONUTRIENTS, INC. 25025 I-45 NORTH THE WOODLANDS TX 77380	TRUGREEN L P 7980 KENTUCKY DR FLORENCE KY 41022	VALLEY FERTILIZER SERVICE P.O. BOX 180 EDMONTON KY 42129
TETRA SALES USA 3001 COMMERCE ST BLACKSBURG VA 24060	TRUGREEN L P 575 HORTON CT LEXINGTON KY 40583	VERDANT BRANDS INC 9555 JAMES AVE S BLOOMINGTON MN 55431
TEWKSBURY GARDENS 77 BISSELL RD LEBANON NJ 08833	TRUGREEN L P 13135 MIDDLETOWN IND LOUISVILLE KY 40223	VICKSBURG CHEMICAL COMPANY PO BOX 821003 VICKSBURG MS 39182
THE BARNYARD TEA CO PO BOX 1275 ALDERGROVE BC CA V4W2V	TRUGREEN L P PO BOX 396 SCOTT DEPOT WV 25560	VOLUNTARY PURCHASING GROUP BOX 460 BONHAM TX 75418
THE DOGGETT CORP 30 CHERRY ST LEBANON NJ 08833	TRUSERV CORPORATION 8600 W BRYN MAWR AVE CHICAGO IL 60631	W ATLEE BURPEE CO 300 PARK AVE WARMINSTER PA 18974
THE SANCTUARY PO BOX 656 WINTER PARK CO 80482	TSM SERVICES INC PO BOX 860 CATLIN IL 61817	WARNER FERTILIZER CO. RT #4 ALBANY KY 42602
THE ORTHO GROUP P.O. BOX 1479 COLUMBUS OH 43216	TWO RIVERS AG SUPPLY 7158 ST RT 70E DRAKESBORO KY 42337	WARNER FERTILIZER CO. BOX 87 CAMPBELLSVILL KY 42718
THE WONDER COMPANY 665 VERNON AVENUE NASHVILLE TN 37209	TYLER ENTERPRISES, INC PO BOX 365 ELWOOD IL 60421	WARNER FERTILIZER CO. P.O. BOX 274 COLUMBIA KY 42728
TIGER SUNBELT PO BOX 5 ATMORE AL 36504	UNCO INDUSTRIES INC 7802 OLD SPRING RACINE WI 53406	WARNER FERTILIZER CO. P.O. BOX 188 E. BERNSTADT KY 40729
TRACE CHEM., INC. 839 BRENKMAN DR. PEKIN IL 61554	UNITED HORTICULTURAL SUPPLY 57 GERMANTOWN CT MEMPHIS TN 38018	WARNER FERTILIZER CO PO BOX 1100 LIBERTY KY 42539
TRAYLOR CHEMICAL & SUPPLY CO. 1911 TRAYLOR BLVD. ORLANDO FL 32854	UNITED HORTICULTURAL SUPPLY 410 S WARE BLVD TAMPA FL 33619	WARNER FERTILIZER CO. P.O. BOX 108 NANCY KY 42544
TRAYLOR CHEM. & SUP. CO. P.O. BOX 249 ROYAL CENTER IN 46978	UNITED HORTICULTURAL SUPPLY 150 S MAIN ST FREMONT NE 68025	WARNER FERTILIZER CO. P.O. BOX 80 RUSSELL SPRGS KY 42642
TRI COUNTY FERTILIZER PO BOX 147 HONEA PATH SC 29654	UNITED HORTICULTURAL SUPPLY 701 KANDERLY DR COLUMBUS OH 43228	WARNER FERTILIZER CO. P.O. BOX 796 SOMERSET KY 42502
TRI-COUNTY FERTILIZER CO. INC 124 SOUTH ESTILL AVE RICHMOND KY 40475	UNITED HORTICULTURAL SUPPLY 510 MARKWITH GREENVILLE OH 45331	WARNER FERTILIZER CO. BOX 441 STANFORD KY 40484
TRIMBLE CO. FARM SUPPLY 11300 HWY 421 N MILTON KY 40045	UNIVERSAL COOPERATIVES, INC PO BOX 460 MINNEAPOLIS MN 55440	WARNER FERTILIZER CO. ARMORY ROAD TOMPKINSVILLE KY 42167
TRI STATE BIO SYSTEMS 3566 WEST SR 62 BOONVILLE IN 47601	IMC USA INC 100 S. SAUNDERS ROAD LAKE FOREST IL 60045	WARNER FERTILIZER CO. PO BOX 117 MONTICELLO KY 42633
TRU GREEN CHEM LAWN 860 RIDGE LAKE BLVD MEMPHIS TN 38120	U S BORAX INC 26877 TOURNEY RD VALENCIA CA 91355	WATCH US GROW OF KY; INC P.O. BOX 241205 CHARLOTTE NC 28224

TABLE 3. (Continued)

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WATCH-US-GROW OF KENTUCKY P.O. BOX 241205 CHARLOTTE NC 28224
WATERWAY AG, INC. BOX 629 METROPOLIS IL 62960
WATKINS FARM SUPPLY 3621 WALTON ROAD ROBARDS KY 42452
WESTERN KY POULTRY & SUPPLY 5967 AIRLINE RD HENDERSON KY 42420
WHEELABRATOR TECH 8201 EASTERN BLVD BALTIMORE MD 21224
SYNAGRO-WWT, INC 2101 S HAMILTON RD COLUMBUS OH 43232
WILSON LAB 5300 HARVESTOR RD BURLINGTON ON CA L7L 5
DORMAN WILSON & SON, INC. 4919 S HWY 837 NANCY KY 42544
WINSTON WEAVER CO INC P.O. BOX 17366 WINSTON SALEM NC 27107
WOODFORD FEED CO. PO BOX 116 VERSAILLES KY 40383
WOODSTREAM CORP 69 NORTH LOCUS ST LITITZ PA 17543
THE YARDEN CARE COMPANY PO BOX 6047 WIXOM MI 48393
ZEOPONIX P.O. BOX 3595 BOULDER CO 80307