

REGULATORY BULLETIN No. 293

ANNUAL REPORT ANALYSES OF OFFICIAL FERTILIZER SAMPLES

JULY 2003 – JUNE 2004



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INTRODUCTION

This bulletin presents the results of official samples of commercial fertilizer taken during the period of July 1, 2003 through June 30, 2004 by the field inspection staff. The samples represented approximately 63,350 tons of fertilizer out of the approximately 891,000 tons sold during this period. The Laboratory made 2,889 nitrogen, 2,650 phosphorus, 2,691 potassium and 1,213 chloride, secondary and minor element and certain other analyses on these samples. The results of N, P₂O₅, K₂O, 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, 2004.

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 - P₂O₅ - K₂O. 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, P₂O₅, K₂O: These are the results of the chemical analyses of each sample for total Nitrogen(N), available phosphate (P₂O₅) and soluble potash (K₂O).

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% P₂O₅, and 24% K₂O. A “Guaranteed Value” and a “Found Value” are computed for the fertilizer by using the following example commercial values: N - \$4.00, P₂O₅ - \$3.80, and K₂O (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 ₂ O ₅	24.0	X	3.80	=	91.20
K ₂ 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 ₂ O ₅	24.1	X	3.80	=	91.58
K ₂ 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% P₂O₅ 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:

- (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% P₂O₅ and 11.2% K₂O. 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% P₂O₅ and 10.9% K₂O, only the 10.9% P₂O₅ 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, P₂O₅, K₂O 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 ₂ O ₅) %	Soluble Potash (K ₂ 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.

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

<u>Element</u>	<u>Investigation Allowances</u>
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 (P₂O₅), soluble potash (K₂O), and index value shall be calculated from the following schedule.

Number of Investigational Allowance Below Guarantee	Penalty Schedule
≤ 2	Equal to the Monetary Value of the Deficiency
> 2 ≤ 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.

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
≤ 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, P₂O₅, K₂O, 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.

**COMMERCIAL FERTILIZER VALUES FOR CALENDAR YEARS
2003 AND 2004**

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

Nutrient	2003	2004
	Dollars/Unit (20 lbs.)	
Total Nitrogen (N)	\$ 4.20	\$ 5.49
Avail. Phosphate (P ₂ O ₅)	\$ 4.56	\$ 4.00
Soluble Potash (K ₂ O)		
Tobacco (Low CL)	\$ 5.64	\$ 5.63
Non-Tobacco	\$ 2.70	\$ 2.83
Calcium (Ca)	\$ 4.86	\$ 13.87
Magnesium	\$14.37	\$13.43
Sulfur (S)	\$ 4.71	\$ 4.82
Boron (B)	\$66.95	\$66.36
Copper (Cu)	\$28.57	\$81.98
Iron (Fe)	\$9.19	\$10.08
Manganese (Mn)	\$30.55	\$17.98
Molybdenum(Mo)	57.80	18.05
Zinc (Zn)	\$20.46	\$23.02

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 Phosphate Acid (P2O5), Soluble Potash (K2O), And Excess Chloride (XS CL) Analyses Of Official Fertilizer Samples. Deficiencies in N,P205, K20, 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 DISTRIBUTORS, INC. NASHVILLE TN 37209								
00-00-50	42866	0.00	0.00	51.04		102	Mat	Bulk
00-00-50	43350	0.00	0.00	51.53		103	Mat	Bulk
00-00-60	41323	0.00	0.00	60.73		101	Mat	Bulk
00-46-00	41326	0.00	38.86 *	0.00		84 *	Mat	Bulk
10-10-10	41375	9.45	10.29	11.23		101	Blend	Bag
15-15-15	41374	15.10	16.96	15.23		105	Blend	Bag
18-46-00	41324	17.97	46.48	0.00		101	Mat	Bulk
18-46-00	41493	18.40	46.02	0.00		101	Mat	Bulk
32-00-00	41469	32.00	0.00	0.00		100	Mat	Liq
32-00-00	41764	32.00	0.00	0.00		100	Mat	Liq
34-00-00	40805	33.34	0.00	0.00		98	Mat	Bulk
34-00-00	41322	34.37	0.00	0.00		101	Mat	Bulk
46-00-00	41325	46.15	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.63	100.31	104.04				
ALL SAMPLES,CV %		2.23	10.23	4.49				
NUMBER OF ANALYSIS		9	5	5				
Deficiency Rate = 7.69 %								

AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
00-00-50	41417	0.00	0.00	51.12		102	Mat	Bulk
00-00-60	41416	0.00	0.00	58.88		98	Mat	Bulk
00-00-60	41760	0.00	0.00	60.26		100	Mat	Bulk
00-10-30	43359+	0.00	10.51	30.18		102	Blend	Bag
04-16-04	41440	3.87	16.46	4.43		102	Blend	Bag
05-10-10	41701	4.57 *	9.34	9.82		94 *	Blend	Bag
05-10-10	42134	4.69	9.05 *	9.86		94 *	Blend	Bag
05-10-10	42199	4.23 *	8.12 *	9.71		87 *	Blend	Bag
05-10-10	42472	4.54 *	9.47	10.75		97	Blend	Bag
05-10-10	43622	5.23	9.92	9.85		101	Blend	Bag
Statistical Analysis for Grade : 05-10-10								
Number of Samples This Grade : 5								
Average Analysis :		4.65	9.18	10.00		94.6		
CV, %		7.84	7.32	4.25				
05-10-15	42173	5.21	9.37	15.28		100	Blend	Bag
05-10-15	42177	5.12	9.51	15.04		99	Blend	Bag
05-10-15	42646	4.90	8.80 *	13.56 *		91 *	Blend	Bag
05-10-15	42665	4.86	9.48	14.73		97 *	Blend	Bag
05-10-15	42759	4.74	8.73 *	14.31		93 *	Blend	Bag
05-10-15	42763	5.11	9.59	14.08		96 *	Blend	Bag
05-10-15	43002	4.88	9.15	15.41	*	99	Blend	Bag
05-10-15	43004	4.83	9.86	13.49 *		93 *	Blend	Bag
05-10-15	43012	5.08	9.87	14.51		98	Blend	Bag
05-10-15	43022	4.32 *	9.11 *	14.71		94 *	Blend	Bag
05-10-15	43025	5.06	9.70	14.46		97	Blend	Bag
05-10-15	43088	4.73	8.78 *	13.88 *		92 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
05-10-15	43247	4.40 *	8.82 *	14.77	*	94 *	Blend	Bag
05-10-15	43275	4.79	10.04	14.19		96 *	Blend	Bag
05-10-15	43370	4.82	9.14	14.11		94 *	Blend	Bag
05-10-15	43375	4.98	9.19	14.38	*	95 *	Blend	Bag
05-10-15	43376	5.04	9.72	15.81		102	Blend	Bulk
05-10-15	43607	4.88	9.02 *	14.23		94 *	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 18								
Average Analysis :		4.87	9.33	14.50		95.9		
CV, %		4.8	4.46	4.25				
05-20-20	42392	5.52	19.73	20.91		103	Blend	Bag
05-20-20	42650	5.28	20.56	20.04		102	Blend	Bag
05-20-20	42760	5.15	21.03	19.90		103	Blend	Bag
05-20-20	43024+	5.01	19.53	21.88		102	Blend	Bag
05-20-20	43373	4.71	18.76	21.27		98	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number of Samples This Grade : 5								
Average Analysis :		5.13	19.92	20.80		101.6		
CV, %		5.89	4.47	4.01				
06-12-12	41613	6.89	13.39	11.45		108	Blend	Bag
06-12-12	42135	6.02	11.57	12.00		99	Blend	Bag
06-12-12	42140	5.46 *	10.06 *	11.18		89 *	Blend	Bag
06-12-12	42207	6.23	11.43	11.63		98	Blend	Bag
06-12-12	42473	6.46	11.61	11.58		100	Blend	Bag
06-12-12	43612	5.99	11.59	12.74		100	Blend	Bag
Statistical Analysis for Grade : 06-12-12								
Number of Samples This Grade : 6								
Average Analysis :		6.17	11.61	11.76		98.9		
CV, %		7.84	9.13	4.67				
06-24-24	43005	6.12	23.88	25.20		102	Blend	Bag
06-24-24	43013	6.30	25.36	23.22		102	Blend	Bag
06-24-24	43610	6.22	23.05	25.70		101	Blend	Bag
09-18-27	43451	8.67	17.88	26.17		97	Blend	Bulk
09-18-27	43453	9.06	17.39	27.09		99	Blend	Bag
10-10-10	40115	9.54	10.13	11.44		102	Blend	Bag
10-10-10	40626	8.19 *	7.86 *	9.64		85 *	Blend	Bag
10-10-10	40845	9.99	9.90	9.61		99	Blend	Bag
10-10-10	41614	9.38	10.22	9.90		98	Blend	Bag
10-10-10	41655	8.72 *	8.32 *	10.00		89 *	Blend	Bag
10-10-10	41697	10.50	9.85	10.24		102	Blend	Bag
10-10-10	41841	9.15	9.53	11.24		98	Blend	Bag
10-10-10	41941	9.54	9.67	9.80		96 *	Blend	Bag
10-10-10	41969	9.55	10.25	9.91		99	Blend	Bag
10-10-10	42141	9.45	8.99 *	10.68		96 *	Blend	Bag
10-10-10	42172	9.58	9.35	11.19		99	Blend	Bag
10-10-10	42179	9.27	9.68	10.08		96 *	Blend	Bag
10-10-10	42390	9.19	9.34	10.87		96 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
10-10-10	42471	8.41 *	8.77 *	10.95		91 *	Blend	Bag
10-10-10	42543	8.95 *	10.60	10.39		98	Blend	Bag
10-10-10	42625	9.67	10.10	9.61		98	Blend	Bag
10-10-10	42648	9.55	10.48	9.46		98	Blend	Bag
10-10-10	42652	9.32	10.13	10.17		98	Blend	Bag
10-10-10	42653	10.32	10.68	9.78		103	Blend	Bag
10-10-10	42761	9.71	9.42	10.17		97	Blend	Bag
10-10-10	42762	10.08	10.08	10.05		101	Blend	Bag
10-10-10	42855	10.64	10.54	10.91		107	Blend	Bag
10-10-10	42867	9.62	9.62	13.57		105	Blend	Bag
10-10-10	43011	9.14	9.59	9.79		94 *	Blend	Bag
10-10-10	43026	8.47 *	9.43	10.16		92 *	Blend	Bag
10-10-10	43147	8.94 *	8.99 *	10.39		93 *	Blend	Bag
10-10-10	43246	8.63 *	9.09 *	10.14		91 *	Blend	Bag
10-10-10	43362	10.28	10.17	10.43		103	Blend	Bag
10-10-10	43371	8.60 *	10.11	10.97		96 *	Blend	Bag
10-10-10	43517	8.80 *	9.07 *	10.51		93 *	Blend	Bag
10-10-10	43609	9.60	9.20	10.29		96 *	Blend	Bag
10-10-10	43617	8.85 *	8.71 *	10.55		92 *	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 32								
Average Analysis :		9.36	9.62	10.40		96.9		
CV, %		6.59	7.03	7.45				
10-20-10	41699	9.47	19.84	10.06		98	Blend	Bag
10-20-20	41702	9.98	19.46	20.29		99	Blend	Bag
10-20-20	42748	9.74	18.80	21.36		99	Blend	Bag
10-20-20	43023	9.61	19.44	20.99		99	Blend	Bag
10-20-20	43483	9.84	20.25	19.98		100	Blend	Bag
12-12-12	41063	11.73	11.71	12.49		99	Blend	Bag
12-12-12	41700	11.79	12.05	11.98		99	Blend	Bag
12-12-12	42136	10.65 *	10.84 *	12.10		92 *	Blend	Bag
12-12-12	42206	9.93 *	11.02 *	12.50		91 *	Blend	Bag
12-12-12	42470	10.65 *	11.12	12.93		94 *	Blend	Bag
12-12-12	42542	11.36	12.37	12.97		100	Blend	Bag
12-12-12	42758	11.42	12.07	11.66		97	Blend	Bag
12-12-12	43149	11.57	11.55	12.06		97	Blend	Bag
Statistical Analysis for Grade : 12-12-12								
Number of Samples This Grade : 8								
Average Analysis :		11.14	11.59	12.34		96.3		
CV, %		5.91	4.82	3.78				
12-24-24	42192	12.39	23.51	25.17		102	Blend	Bag
15-15-15	41612	13.23 *	15.66	14.24		95 *	Blend	Bag
15-15-15	41703	15.40	16.69	14.31		104	Blend	Bag
15-15-15	42133	14.84	14.41	16.68		101	Blend	Bag
15-15-15	42391	14.74	14.12	16.02		99	Blend	Bag
15-15-15	43087	14.74	15.03	15.27		100	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 5								
Average Analysis :		14.59	15.18	15.30		99.6		
CV, %		5.54	6.79	6.95				
15-30-15	42750	14.09	28.63	16.97		98	Blend	Bag
16-27-14	42752	16.18	28.06	14.53		103	Blend	Bag
16-27-14	43484	15.83	27.65	14.50		101	Blend	Bag
18-46-00	41759	17.96	46.01	0.00		100	Mat	Bulk
19-19-19	40114	18.81	19.67	18.05		100	Blend	Bag
19-19-19	40625	19.02	19.93	20.14		105	Blend	Bag
19-19-19	40841	18.48	18.83	20.89		101	Blend	Bag
19-19-19	40945	18.43	18.07	20.75		99	Blend	Bag
19-19-19	41062	18.27	18.29	19.57		98	Blend	Bag
19-19-19	41414	18.58	20.57	19.69		103	Blend	Bag
19-19-19	41611	17.54	19.26	20.82		99	Blend	Bag
19-19-19	41656	18.83	18.34	20.61		100	Blend	Bag
19-19-19	41696	18.13	18.80	20.97		100	Blend	Bag
19-19-19	41943	19.14	19.42	19.27		101	Blend	Bag
19-19-19	41968	19.10	19.20	19.37		101	Blend	Bag
19-19-19	42132	18.92	20.59	19.55		103	Blend	Bag
19-19-19	42137	19.18	18.85	20.15		102	Blend	Bag
19-19-19	42171	19.06	20.00	19.64		103	Blend	Bag
19-19-19	42178	19.28	19.64	19.86		103	Blend	Bag
19-19-19	42191	17.14 *	20.32	20.91		100	Blend	Bag
19-19-19	42389	18.28	19.53	20.37		101	Blend	Bag
19-19-19	42624	18.17	19.03	20.85		100	Blend	Bag
19-19-19	42647	18.90	18.99	20.39		101	Blend	Bag
19-19-19	42651	18.71	17.98	22.83		102	Blend	Bag
19-19-19	42654	18.79	18.88	20.25		101	Blend	Bag
19-19-19	42757	17.91	19.00	19.97		99	Blend	Bag
19-19-19	42854	19.60	18.65	19.95		102	Blend	Bag
19-19-19	42868	17.51	18.85	22.78		101	Blend	Bag
19-19-19	43003	19.03	18.48	20.90		101	Blend	Bag
19-19-19	43006	18.82	19.22	20.55		102	Blend	Bag
19-19-19	43014	18.39	19.07	19.64		99	Blend	Bag
19-19-19	43027	18.55	18.57	20.91		101	Blend	Bag
19-19-19	43148	19.19	20.53	18.37		102	Blend	Bag
19-19-19	43245	19.84	19.22	18.84		102	Blend	Bag
19-19-19	43360	19.02	18.98	20.37		102	Blend	Bag
19-19-19	43361	18.35	20.52	20.01		102	Blend	Bag
19-19-19	43374	18.72	18.89	20.60		101	Blend	Bag
19-19-19	43377	17.96	20.79	18.23		100	Blend	Bulk
19-19-19	43452	18.00	19.20	20.55		100	Blend	Bag
19-19-19	43608	18.80	18.13	20.68		100	Blend	Bag
19-19-19	43611	18.55	18.82	20.62		101	Blend	Bag
19-19-19	43616	19.35	19.56	17.72 *		100	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 38								
Average Analysis :		18.64	19.23	20.15		101.0		
CV, %		3.11	3.89	5.26				
19-35-08	42751	18.39	33.74	8.35		97	Blend	Bag
20-09-14	43449	19.70	9.59	15.15		98	CM	Bulk
20-09-14	43450	19.51	9.24	15.52		98	CM	Bulk
22-20-00	42749	21.37	20.08	0.00		98	Blend	Bag
27-13-13	43613	26.25	14.53	13.98		102	Blend	Bulk
34-00-00	42869	34.42	0.00	0.00		101	Mnfr	Bag
46-00-00	41415	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	41761	45.92	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.00	97.93	102.96				
ALL SAMPLES,CV %		5.64	6.1	6.13				
NUMBER OF ANALYSIS		141	139	140				
Deficiency Rate = 26.90 %								
AG/GRO FERTILIZER CO. WINCHESTER KY 40391								
07-14-21	43603	7.28	13.38	21.46		100	CM	Bulk
08-17-26	43605	9.08	17.91	27.25		101	CM	Bulk
10-10-16	43600	11.28	11.28	16.80		104	CM	Bulk
11-29-21	43604	11.28	28.68	22.48		99	CM	Bulk
16-14-21	43596	16.31	14.00	21.09		98	CM	Bulk
16-14-23	43597	15.96	15.00	22.51		100	CM	Bulk
19-12-19	43598	19.61	13.52	20.50		101	CM	Bulk
19-12-19	43599	19.42	13.92	19.84		100	CM	Bulk
19-12-19	43602	19.53	13.35	20.23		100	CM	Bulk
21-11-17	43601	20.46	11.95	18.91		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.14	101.61	101.78				
ALL SAMPLES,CV %		3.18	4.33	2.67				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
AGRI-CHEM, INC. (HERN) HERNDON KY 42236								
06-29-26	40147	6.98	29.95	27.45		104	CM	Bulk
06-29-26	40149	6.91	29.73	25.61		101	CM	Bulk
06-30-25	40146	7.01	31.00	26.85		105	CM	Bulk
06-30-25	40148	7.06	31.13	26.68		105	CM	Bulk
10-25-26	43424	10.09	25.61	26.57		100	CM	Bulk
10-26-25	40142	10.45	26.37	26.04		101	CM	Bulk
10-26-25	42150	10.05	25.66	26.48		99	CM	Bulk
10-26-26	42152	10.15	26.34	27.72		103	CM	Bulk
10-26-26	42153	9.72	25.58	27.04		99	CM	Bulk
11-29-21	40140	11.48	29.97	21.75		101	CM	Bulk
11-29-21	40141	11.67	29.26	22.53		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
AGRI-CHEM, INC. (HERN) HERNDON KY 42236								
5-24-32	40452	4.93	24.02	33.72		101	CM	Bulk
5-27-27	40451	5.88	29.35	27.75		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.91	101.08	102.84				
ALL SAMPLES,CV %		5.77	2.05	2.74				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
AGRI-CHEM, INC. (HOPK) HOPKINSVILLE KY 42240								
06-28-27	40233	5.99	28.84	27.32		101	CM	Bulk
07-34-19	40357	9.12	35.14	20.61		104	CM	Bulk
07-34-19	40358	7.49	35.32	21.17		102	CM	Bulk
07-34-19	40359	7.57	35.20	20.91		102	CM	Bulk
10-17-17	40231	12.15	17.84	17.36		104	CM	Bulk
10-17-17	40232	11.48	17.12	16.41		99	CM	Bulk
10-25-25	40360	10.66	26.76	26.59		103	CM	Bulk
23-16-16	41340	25.28	15.76	15.46		102	CM	Bulk
27-12-12	41337	28.19	12.98	12.44		103	CM	Bulk
27-12-12	41338	27.24	12.64	12.61		100	CM	Bulk
27-12-12	41339	27.84	12.65	12.47		101	CM	Bulk
28-00-00	41341	28.00	0.00	0.00		100	Mat	Liq
32-00-00	41654	32.00	0.00	0.00		100	Mat	Liq
32-00-00	41704	32.00	0.00	0.00		100	Mat	Liq
32-00-00	41916	32.00	0.00	0.00		100	Mat	Liq
32-00-00	43425	32.00	0.00	0.00		100	Mat	Liq
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.39	101.57	101.69				
ALL SAMPLES,CV %		5.98	2.22	4.04				
NUMBER OF ANALYSIS		16	11	11				
Deficiency Rate = 0.00 %								
AGRI-CHEM, INC. (PRIN) PRINCETON KY 42445								
09-23-30	42260	8.61	22.04	31.08		99	CM	Bulk
10-26-22	42261	10.30	25.86	23.13		100	CM	Bulk
14-36-12	42259	13.57	35.78	14.10		99	CM	Bulk
15-22-22	42715	13.88	23.87	23.23		100	CM	Bulk
18-18-18	42258+	18.92	19.32	18.78		101	CM	Bulk
19-19-19	42716	18.77	20.21	20.01		101	CM	Bulk
27-13-13	42262	26.76	14.14	15.18		102	CM	Bulk
9-23-30	42256	8.40	22.26	30.68		98	CM	Bulk
9-23-30	42257	8.67	22.20	31.07		99	CM	Bulk
AGRI-CHEM, INC. (TRENT) TRENTON KY 42286								
05-26-30	40248	5.51	27.29	30.35		103	CM	Bulk
AGRIGRO FARM CTR, INC HARTFORD KY 42347								
09-23-30	40538	9.56	24.28	28.30 *		102	CM	Bulk
09-23-30	40539	9.33	23.20	29.49		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

AGRIGRO FARM CTR, INC HARTFORD KY 42347								
23-14-18	42596	22.53	15.18	20.05		102	CM	Bulk
23-14-18	42597	22.79	14.39	19.16		100	CM	Bulk
23-14-18	42598	23.00	13.69	20.21		101	CM	Bulk

AGRILIANCE ST. PAUL MN 55164-0089								
12-12-12	42611	12.63	12.30	12.35		104	Blend	Bag
28-03-04	42612+	26.93	2.46 *	4.01		95 *	Blend	Bag

AGRIPORT TERMINAL EDDYVILLE KY 42038								
00-00-22	42037+	0.00	0.00	21.79		99	Mat	Bulk
00-00-50	42038	0.00	0.00	49.94		100	Mat	Bulk
00-00-60	40665	0.00	0.00	59.90		100	Mat	Bulk
00-00-60	40710	0.00	0.00	59.37		99	Mat	Bulk
00-00-60	40812	0.00	0.00	59.79		100	Mat	Bulk
00-00-60	42035	0.00	0.00	59.75		100	Mat	Bulk
00-00-60	42052	0.00	0.00	61.83		103	Mat	Bulk
00-00-60	42350	0.00	0.00	61.49		102	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 6								
Average Analysis :		0.00	0.00	60.36		100.6		
CV, %		0	0	1.71				
10-26-26	41528	10.07	25.64	26.30		99	CM	Bulk
10-26-26	41529	10.12	26.23	25.60		100	CM	Bulk
10-27-24	41527	10.57	27.43	23.80		99	CM	Bulk
10-34-00	42149	12.63	29.23 *	0.00		98	Mnfr	Liq
10-34-00	42151	8.73 *	34.04	0.00		96 *	Mnfr	Liq
18-46-00	40664	17.71	46.58	0.00		100	Mat	Bulk
18-46-00	40711	17.65	46.72	0.00		100	Mat	Bulk
18-46-00	40813	17.95	46.70	0.00		101	Mat	Bulk
18-46-00	42036	18.15	44.68	0.00		98	Mat	Bulk
18-46-00	42051	18.70	45.89	0.00		101	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 5								
Average Analysis :		18.03	46.11	0.00		100.2		
CV, %		2.35	1.89	0				
19-16-21	42387	19.68	16.36	23.11		102	CM	Bulk
22-16-16	41677	22.02	16.48	17.97		99	CM	Bulk
22-16-16	41678	20.48 *	17.73	18.38		98	CM	Bulk
32-00-00	41538	32.00	0.00	0.00		100	Mat	Liq
46-00-00	40663	45.86	0.00	0.00		100	Mat	Bulk
46-00-00	40709	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	40729	46.17	0.00	0.00		100	Mat	Bulk
46-00-00	40784	46.03	0.00	0.00		100	Mat	Bulk
46-00-00	40814	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	42034	45.96	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

AGRIPORT TERMINAL EDDYVILLE KY 42038								
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 6								
Average Analysis :		45.98	0.00	0.00		100.0		
CV, %		0.24	0	0				

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.00	99.06	101.46				
ALL SAMPLES,CV %		7.22	4.45	3.04				
NUMBER OF ANALYSIS		20	13	14				
Deficiency Rate = 10.71 %								

AGRIUM U.S. INC. (REESE) REESE MI 48757-9340								
00-00-00	40889+	0.00	0.00	0.00			Mat	Bulk
00-00-00	41940+	0.00	0.00	0.00			Mat	Bag
03-00-00	40815+	4.00	0.00	0.00		133	Mnfr	Bulk

AGRO DISTRIBUTION, LLC HARDINSBURG KY 40143								
0-23-30	40443	0.00	23.52	30.30		102	CM	Bulk
0-23-30	40446	0.00	24.86	28.71		103	CM	Bulk
0-23-30	40447	0.00	24.26	29.69		103	CM	Bulk
0-23-30	40472	0.00	24.24	29.78		103	CM	Bulk
00-00-28	40240	0.00	0.00	29.66		105	CM	Bulk
00-00-60	40733	0.00	0.00	59.61		99	Mat	Bulk
05-13-18	40444	5.69	13.37	16.45		99	CM	Bulk
18-46-00	40731	18.01	46.42	0.00		101	Mat	Bulk
34-00-00	40730	34.50	0.00	0.00		101	Mat	Bulk
46-00-00	40732	45.99	0.00	0.00		100	Mat	Bulk
5-13-17	40442	6.07	13.60	17.89		105	CM	Bulk
5-13-17	40445	5.78	13.65	18.62		105	CM	Bulk
5-13-17	40473	5.81	13.55	17.30		103	CM	Bulk
5-13-17	40474	5.83	13.41	18.44		104	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		107.42	102.77	100.77				
ALL SAMPLES,CV %		5.76	2.63	3.96				
NUMBER OF ANALYSIS		8	10	11				
Deficiency Rate = 0.00 %								

AGRO DISTRIBUTORS MORGANFIELD KY 42437								
18-46-00	40782	17.70	45.83	0.00		99	Mat	Bulk

ALLEN CO. FARMERS SCOTTSVILLE KY 42164								
18-17-18	40967	18.62	17.42	19.25		102	CM	Bulk
19-19-19	40961	19.24	20.00	18.85		100	CM	Bulk
19-19-19	40965	19.95	19.02	18.99		100	CM	Bulk
19-28-9	40968	19.88	28.72	10.09		102	CM	Bulk
24-17-11	40962	24.46	18.19	13.18		102	CM	Bulk
24-17-11	40966	25.24	18.32	11.95		103	CM	Bulk
27-13-13	40963	27.60	13.64	14.50		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

ALLEN CO. FARMERS SCOTTSVILLE KY 42164								
27-13-13	40964	28.45	12.69	12.69		100	CM	Bulk
8-20-26	40851+	8.20	20.48	27.54		101	CM	Bulk
9-23-30	40852	10.06	24.84	29.45		105	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.94	100.47	102.44				
ALL SAMPLES,CV %		3.4	4.09	5.89				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

ALLEN CO. FEED/SEED SCOTTSVILLE KY 42164								
16-18-24	41745	15.20	17.33	26.47		98	CM	Bulk
19-19-19	41734	18.68	19.74	19.96		100	CM	Bulk
19-19-19	41735	18.39	19.88	20.33		100	CM	Bulk
19-19-19	41739	18.87	19.16	20.16		99	CM	Bulk
19-19-19	41744	18.94	19.58	21.27		102	CM	Bulk
21-15-20	41737	20.42	14.68	21.60		99	CM	Bulk
21-15-20	41746	20.44	14.80	21.42		99	CM	Bulk
24-15-15	41736	23.48	16.02	16.55		99	CM	Bulk
27-13-13	41747	26.40	13.81	14.64		100	CM	Bulk
27-21-7	41743	27.01	23.48	8.68		104	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.42	100.14	107.78				
ALL SAMPLES,CV %		1.92	3.96	4.33				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

ALLENSVILLE CROP SVC. ALLENSVILLE KY 42204								
08-27-22	40172	8.15	27.39	27.65		105	CM	Bulk
12-32-13	40183	11.90	30.51	16.16		98	CM	Bulk
12-32-18	40174	11.99	30.86	19.03		98	CM	Bulk

AMERICAN PLANT FOOD CREVE COEUR MO 63141								
15-30-15	41412+	16.05	30.94	16.52		106	Blend	Bag
18-18-21	41411+	18.62	18.13	20.49		101	Blend	Bag

ANDERSON CO FARM SVC LAWRENCEBURG KY 40342								
04-09-14	43223	5.90	11.20	14.72		110	CM	Bulk
04-09-14	43224	5.04	9.52	13.85		99	CM	Bulk
05-11-17	43221	6.13	11.50	17.23		102	CM	Bulk
16-00-30	43226	16.17	0.00	30.83		100	CM	Bulk
17-15-20	43222	16.81	14.94	20.93		100	CM	Bulk
17-15-20	43225	16.96	15.53	20.23		101	CM	Bulk

BALLARD COUNTY COOP LACENTER KY 42056								
15-14-23	41757	16.00	13.64	23.01		99	CM	Bulk
15-14-23	41758	15.48	13.98	23.57		99	CM	Bulk
22-10-14	41059	21.44	11.31	14.98		100	CM	Bulk
22-10-14	41060	22.08	11.25	14.45		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
BALLARD COUNTY COOP LACENTER KY 42056								
26-6-8	42226	25.80	7.23	9.55		100	CM	Bulk
26-6-8	42287	26.54	6.45	8.58		99	CM	Bulk
7-19-34	42288	7.53	19.12	34.50		99	CM	Bulk
8-20-33	42228	8.37	21.00	33.29		102	CM	Bulk
9-24-28	42227	9.76	24.59	27.83		100	CM	Bulk
9-24-28	42289	9.75	24.58	27.43		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.42	101.40	101.84				
ALL SAMPLES,CV %		2.59	3.94	4.11				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
BANDANA AG INC. BANDANA KY 42022								
00-00-60	40635	0.00	0.00	60.89		101	Mat	Bulk
10-26-25	42278	10.57	27.10	24.65		101	CM	Bulk
10-26-25	42279	10.59	26.91	24.77		101	CM	Bulk
10-26-25	42283	9.89	26.53	24.99		99	CM	Bulk
10-26-25	42284	10.06	25.53	25.70		98	CM	Bulk
18-46-00	40634	17.34	46.10	0.00		99	Mat	Bulk
46-00-00	40636	45.89	0.00	0.00		100	Mat	Bulk
9-23-30	41762	8.34	22.33	31.02		98	CM	Bulk
9-23-30	41763	8.78	22.87	30.45		100	CM	Bulk
9-23-30	42280	9.38	24.00	29.73		102	CM	Bulk
9-23-30	42281	9.13	22.48	30.49		100	CM	Bulk
9-23-30	42282	8.74	22.80	29.95		99	CM	Bulk
9-23-30	42285	8.71	22.18	31.15		99	CM	Bulk
9-23-30	42286	8.59	22.27	31.13		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 7								
Average Analysis :		8.81	22.70	30.56		99.7		
CV, %		3.91	2.77	1.88				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.54	99.56	100.32				
ALL SAMPLES,CV %		3.48	2.68	2.78				
NUMBER OF ANALYSIS		13	12	12				
Deficiency Rate = 0.00 %								
BARREN METCALF FARM SUPPLY LLC KNOBLICK KY 42154								
00-00-50	40937	0.00	0.00	49.02		98	Mat	Bulk
00-00-60	40648	0.00	0.00	61.24		102	Mat	Bulk
00-46-00	40658	0.00	46.52	0.00		101	Mat	Bulk
13-17-26	41244	12.69	17.35	27.24		100	CM	Bulk
17-17-17	40935	17.87	17.48	18.26		101	CM	Bulk
17-17-17	41359	17.96	18.28	17.62		101	CM	Bulk
18-18-18	41361	14.62 *	24.43	19.72		101	CM	Bulk
18-46-00	40647	17.57	46.80	0.00		102	Mat	Bulk
19-13-18	41356+	18.95	12.61	18.36		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
BARREN METCALF FARM SUPPLY LLC KNOBLICK KY 42154								
21-14-14	42848	21.73	14.02	14.01		101	CM	Bulk
22-12-12	42847	23.22	12.23	12.65		102	CM	Bulk
23-16-16	42846	23.21	16.63	17.14		101	CM	Bulk
25-9-9	41358	25.26	10.11	9.78		102	CM	Bulk
25-9-9	41362	25.61	9.24	9.35		100	CM	Bulk
34-00-00	40646	34.00	0.00	0.00		100	Mat	Bulk
4-12-42	41357+	4.94	12.84	42.89		101	CM	Bulk
4-12-42	41360+	5.23	12.95	43.50		103	CM	Bulk
46-00-00	40657	45.84	0.00	0.00		100	Mat	Bulk
8-21-28	40936	8.47	22.17	29.86		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.80	103.07	102.65				
ALL SAMPLES,CV %		6.2	7.49	2.12				
NUMBER OF ANALYSIS		16	15	15				
Deficiency Rate = 5.26 %								
BAYER ADVANCED LLC BIRMINGHAM AL 35242								
18-09-18	43475+	17.81	9.73	19.64		104	Blend	Bag
18-11-16	40143+	17.01	11.14	17.03		100	Blend	Bag
21-03-10	43476+	25.64	3.65	6.99 *		113	Blend	Bag
22-03-14	40123	22.00	3.71	14.07		102	Blend	Bag
30-03-04	41111+	28.72	3.89	5.06		100	Blend	Bag
30-03-04	41125+	29.81	3.58	4.74		102	Blend	Bag
30-03-04	41258+	29.66	3.85	4.72		102	Blend	Bag
30-03-04	41264+	31.00	3.47	4.76		105	Blend	Bag
30-03-04	41267+	30.15	3.91	4.39		103	Blend	Bag
30-03-04	41391+	30.53	3.52	4.73		104	Blend	Bag
30-03-04	41405+	30.21	3.51	4.77		103	Blend	Bag
30-03-04	41635+	30.01	3.92	5.01		104	Blend	Bag
30-03-04	42364+	29.26	3.87	4.67		101	Blend	Bag
Statistical Analysis for Grade : 30-03-04								
Number of Samples This Grade : 9								
Average Analysis :		29.93	3.72	4.76		102.5		
CV, %		2.26	5.28	4.07				
30-03-05	42923+	29.80	4.02	5.48		102	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.90	121.85	111.91				
ALL SAMPLES,CV %		6.44	7.73	12.6				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate = 7.14 %								
BICKETT AGRI CTR. CENTRAL CITY KY 42330								
00-00-60	40679	0.00	0.00	59.47		99	Mat	Bulk
09-23-30	42351	9.50	23.74	28.76		101	CM	Bulk
14-19-25	42347	13.72	20.69	25.59		100	CM	Bulk
18-46-00	40678	17.22	45.59	0.00		98	Mat	Bulk
46-00-00	40677	46.00	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
BICKETT AGRI CTR. CENTRAL CITY KY 42330								
9-23-30	42342	7.49 *	18.98 *	34.90		95 *	CM	Bulk
9-23-30	42343	8.64	22.49	30.94		99	CM	Bulk
9-23-30	42344	8.86	23.38	29.81		100	CM	Bulk
9-23-30	42345	8.00 *	20.81 *	33.78		98	CM	Bulk
9-23-30	42346	8.19	20.84 *	33.18		98	CM	Bulk
9-23-30	42352	8.21	21.69	32.00		98	CM	Bulk
9-23-30	42353	9.13	23.61	28.69		100	CM	Bulk
9-23-30	42354	8.98	22.86	29.31		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 8								
Average Analysis :		8.44	21.83	31.58		98.5		
CV, %		6.64	7.19	7.14				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.60	96.97	103.32				
ALL SAMPLES,CV %		6.45	7.05	6.93				
NUMBER OF ANALYSIS		12	11	11				
Deficiency Rate = 23.08 %								
BIG RIVERS AGRI SUPPLY OWENSBORO KY 42304								
05-15-15	43365+	5.02	14.91	14.73		99	Mat	Liq
BIO-LOGIC WEST POINT MS 39773								
10-10-10	40158+	10.39	10.51	10.12		104	Blend	Bag
BLOOMFIELD FERT/CHEM BLOOMFIELD KY 40008-0370								
00-00-50	42492	0.00	0.00	50.99		102	Mat	Bulk
00-00-60	41242	0.00	0.00	61.88		103	Mat	Bulk
11-0-36	42738+	12.19	0.00	36.60		105	CM	Bulk
11-20-27	42736+	11.31	18.47 *	30.66		100	CM	Bulk
11-20-27	42737+	11.79	21.48	26.58		101	CM	Bulk
11-20-27	42742+	11.58	20.11	28.21		100	CM	Bulk
18-46-00	41241	18.11	46.96	0.00		102	Mat	Bulk
21-15-20	42740	22.40	14.83	19.21		101	CM	Bulk
21-15-20	42741	21.62	14.73	20.39		100	CM	Bulk
28-13-13	42491	27.68	13.29	13.59		100	CM	Bulk
28-13-13	42493	27.42	13.06	13.93		100	CM	Bulk
46-00-00	41243	45.86	0.00	0.00		100	Mat	Bulk
6-15-20	42735	6.41	15.55	20.52		103	CM	Bulk
9-23-30	42739	8.65	22.23	31.89		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.92	98.23	103.09				
ALL SAMPLES,CV %		3.99	4.49	4.08				
NUMBER OF ANALYSIS		12	10	12				
Deficiency Rate = 7.14 %								
BLUEGRASS SEED/FERT INC. BARDSTOWN KY 40004								
14-14-12	42845+	14.65	14.87	12.01		101	CM	Bulk
19-19-18	42744	19.49	19.72	19.17		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

BLUEGRASS SEED/FERT INC. BARDSTOWN KY 40004								
21-12-21	42745+	20.71	12.60	22.72		100	CM	Bulk
21-15-20	42746	20.15	15.57	20.91		99	CM	Bulk
3-9-12	42734	3.82	9.56	12.61		105	CM	Bulk
3-9-12	42842	3.76	9.45	12.23		103	CM	Bulk
3-9-12	42843	3.97	9.86	12.79		108	CM	Bulk
3-9-12	42844	3.88	9.74	12.70		106	CM	Bulk
6-15-20	42747	5.97	15.40	20.90		102	CM	Bulk
7-18-29	42743	7.71	18.94	28.76		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.57	102.43	103.31				
ALL SAMPLES,CV %		4.82	2.44	2.88				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

BOYD FARM CTR. CROFTON KY 42217								
12-32-17	43511	12.49	32.10	17.20		99	CM	Bulk
12-32-17	43512	12.29	32.25	17.92		100	CM	Bulk
18-18-18	42501	19.03	20.85	18.27		103	CM	Bulk
18-18-18	43510	17.61	17.46	19.10		100	CM	Bulk
19-19-19	42791	18.84	19.41	19.80		99	CM	Bulk
22-16-17	42503	21.83	17.80	17.36		100	CM	Bulk
24-12-12	42502	24.46	13.07	13.35		101	CM	Bulk

BRYANT, OTIS & SON CANEYVILLE KY 42721								
00-00-60	41291	0.00	0.00	59.19		99	Mat	Bulk
08-39-08	43443	8.87	39.62	8.59		101	CM	Bulk
12-31-18	41849	12.56	33.05	18.35		102	CM	Bulk
17-13-13	41847	18.37	13.60	13.38		104	CM	Bulk
19-19-19	41842	19.12	20.79	18.97		101	CM	Bulk
19-19-19	41843	17.96	19.39	21.34		100	CM	Bulk
19-19-19	41844	19.56	19.19	20.41		101	CM	Bulk
19-19-19	41845	19.80	21.27	20.03		105	CM	Bulk
19-19-19	41846	18.76	19.64	20.25		100	CM	Bulk
19-19-19	41848	19.31	19.86	19.95		101	CM	Bulk
19-19-19	41850	19.09	20.30	19.62		101	CM	Bulk
19-19-19	41851	18.11	21.99	20.97		103	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 8								
Average Analysis :		18.96	20.30	20.19		101.7		
CV, %		3.45	4.83	3.68				
20-13-18	43441	20.67	12.69	19.40		101	CM	Bulk
24-10-16	43442	24.13	11.19	16.72		101	CM	Bulk
46-00-00	41290	45.88	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
BRYANT, OTIS & SON CANEYVILLE KY 42721								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.34	103.63	103.12				
ALL SAMPLES,CV %		3.4	4.39	3.5				
NUMBER OF ANALYSIS		14	13	14				
Deficiency Rate = 0.00 %								
BURKESVILLE FERT CO EIGHTY EIGHT KY 42130								
17-17-17	42195	16.02 *	18.16	20.78		101	CM	Bulk
17-17-17	42198	18.04	16.51	17.58		99	CM	Bulk
19-19-19	42187	18.62	19.84	20.65		101	CM	Bulk
19-19-19	42190	18.75	20.20	19.68		100	CM	Bulk
19-19-19	42194	19.45	18.57	20.07		100	CM	Bulk
23-11-11	42196	23.03	12.83	11.91		103	CM	Bulk
27-13-13	42185	26.95	14.29	14.13		101	CM	Bulk
27-13-13	42186	26.48	13.67	15.44		100	CM	Bulk
27-13-13	42197	26.89	13.41	15.30		101	CM	Bulk
28-13-13	42193	26.07 *	13.60	15.31		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.32	101.70	107.89				
ALL SAMPLES,CV %		3.56	4.9	6.24				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
BURKESVILLE FERTILIZER CO. BURKESVILLE KY 42717								
00-00-60	40840	0.00	0.00	60.20		100	Mat	Bulk
18-46-00	40839	18.16	46.29	0.00		101	Mat	Bulk
23-11-11	42388	24.54	10.65	12.05		102	CM	Bulk
34-00-00	40838	34.05	0.00	0.00		102	Mat	Bulk
C F FARM SUPPLY, INC. HISEVILLE KY 42152								
00-00-50	43030	0.00	0.00	50.59		101	Mat	Bulk
00-00-60	40661	0.00	0.00	60.73		101	Mat	Bulk
11-28-22	40933	10.65	27.35	23.86		98	CM	Bulk
13-09-14	43191	12.57	8.77 *	15.04		96 *	CM	Bulk
14-37-10	40925	14.36	37.41	11.33		100	CM	Bulk
15-13-27	40929+	14.08 *	14.51	27.56		98	CM	Bulk
15-13-27	40930+	14.69	14.59	26.84		99	CM	Bulk
15-13-27	40931+	15.09	14.41	27.29		100	CM	Bulk
15-13-27	40932+	14.74	13.55	27.98		98	CM	Bulk
16-12-18	43192	16.84	11.61	19.28		100	CM	Bulk
18-16-17	40926	18.39	16.59	17.48		100	CM	Bulk
18-16-17	40927	18.96	15.97	16.53		99	CM	Bulk
18-46-00	40660	17.83	46.10	0.00		100	Mat	Bulk
19-15-16	40928	18.49	17.33	17.56		103	CM	Bulk
27-13-13	40934	26.54	13.43	14.08		98	CM	Bulk
34-00-00	40659	33.86	0.00	0.00		100	Mat	Bulk
46-00-00	43031	46.03	0.00	0.00		100	Mat	Bulk
8-22-29	40954+	8.12	22.07	29.24		98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
C F FARM SUPPLY, INC. HISEVILLE KY 42152								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.58	100.14	102.11				
ALL SAMPLES,CV %		3.42	6.21	3.51				
NUMBER OF ANALYSIS		16	14	15				
Deficiency Rate = 11.11 %								
CAMERON CHEMICALS, INC. PORTSMOUTH VA 23704								
00-00-00	42106+	0.00	0.00	0.00			Mat	Bag
CAMPBELLSVILLE CROP SVC. CAMPBELLSVILLE KY 42719								
04-22-34	43157	4.72	22.28	35.36		102	CM	Bulk
04-22-34	43165	5.46	19.52 *	36.23		99	CM	Bulk
05-23-32	43158	4.90	23.41	34.21		101	CM	Bulk
10-26-26	43161	10.00	25.99	26.73		100	CM	Bulk
11-06-10	43160	11.61	7.20	10.94		101	CM	Bulk
13-33-16	43162	12.56	33.21	17.03		99	CM	Bulk
16-19-19	43159	15.15	19.98	21.35		102	CM	Bulk
16-19-19	43164	15.10	20.02	20.50		100	CM	Bulk
17-17-17	43163	17.10	16.10 *	19.08		98	CM	Bulk
CARGILL MINNEAPOLIS MN 55440								
18-46-00	40728	17.77	46.20	0.00		100	Mat	Bulk
CASH VARIETY STORE LORETTO KY 40037								
00-00-60	41296	0.00	0.00	59.78		100	Mat	Bulk
18-46-00	41298	17.61	45.52	0.00		99	Mat	Bulk
46-00-00	41297	45.93	0.00	0.00		100	Mat	Bulk
CAYCE THOMAS FARM SUPP. PRINCETON KY 42445								
00-00-60	40719	0.00	0.00	59.68		99	Mat	Bulk
05-26-30	40161	5.30	26.62	30.47		101	CM	Bulk
05-26-30	40162	5.29	26.88	30.07		101	CM	Bulk
07-28-25	40330	7.33	26.84	27.23		98	CM	Bulk
07-28-25	40331	7.40	27.22	28.33		100	CM	Bulk
10-25-26	41081	10.22	25.64	25.80		99	CM	Bulk
10-25-26	41884	10.32	26.48	26.07		101	CM	Bulk
10-25-26	41885	10.33	26.18	25.65		100	CM	Bulk
10-25-26	41886	10.07	25.87	26.50		100	CM	Bulk
16-23-20	41679	16.23	24.08	19.89		101	CM	Bulk
18-46-00	40718	17.72	45.63	0.00		99	Mat	Bulk
19-19-19	40163	18.83	19.99	20.00		101	CM	Bulk
23-16-16	41680	23.18	17.23	16.58		101	CM	Bulk
32-00-00	41887	32.00	0.00	0.00		100	Mat	Liq
46-00-00	40717	45.86	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CAYCE THOMAS FARM SUPP. PRINCETON KY 42445								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.35	100.65	101.58				
ALL SAMPLES,CV %		2.33	3.02	3.11				
NUMBER OF ANALYSIS		14	12	12				
Deficiency Rate = 0.00 %								
CECILIA FARM SVC INC. CECILIA KY 42724								
00-00-50	41573	0.00	0.00	49.58		99	Mat	Bulk
00-00-60	41245	0.00	0.00	59.65		99	Mat	Bulk
00-46-00	42864	0.00	45.99	0.00		100	Mat	Bulk
11-28-23	41800	11.51	28.52	23.35		102	CM	Bulk
18-46-00	40632	16.77	46.47	0.00		101	Mat	Bulk
19-13-19	43238	19.61	12.36	20.50		100	CM	Bulk
19-13-19	43240	19.57	12.78	20.40		100	CM	Bulk
19-19-19	41569	19.00	18.99	19.56		99	CM	Bulk
19-19-19	41571	19.50	19.74	20.04		102	CM	Bulk
19-19-19	41799	18.77	18.39	21.00		99	CM	Bulk
22-17-16	41597	22.71	16.64	17.62		100	CM	Bulk
22-17-17	41595	22.65	19.17	16.42		103	CM	Bulk
23-17-17	41570	22.29	17.31	18.01		101	CM	Bulk
24-32-0	41289	23.65	31.85	0.00		98	CM	Bulk
25-15-15	41596	24.95	14.32	16.31		100	CM	Bulk
27-09-13	43239	25.90	8.87	15.95		101	CM	Bulk
46-00-00	40633	45.78	0.00	0.00		100	Mat	Bulk
8-21-29	41572+	8.58	22.57	29.06		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.65	99.58	103.45				
ALL SAMPLES,CV %		2.97	4.12	5.14				
NUMBER OF ANALYSIS		15	15	14				
Deficiency Rate = 0.00 %								
CEN FARMERS SUP. OF GREEN GREENSBURG KY 42743								
05-10-15	43177	5.52	9.20	15.77		102	CM	Bulk
09-06-09	43176	9.73	6.48	9.24		100	CM	Bulk
10-26-26	41363	10.47	27.14	25.58		102	CM	Bulk
12-10-15	43073	12.82	9.81	16.38		100	CM	Bulk
12-12-12	40978	13.17	12.72	13.71		106	CM	Bulk
17-17-17	41364	18.82	15.44 *	17.86		99	CM	Bulk
19-19-19	41365	19.88	18.10	20.24		100	CM	Bulk
19-19-19	41366	19.67	19.33	19.83		101	CM	Bulk
19-19-19	41418	19.13	18.44	20.97		100	CM	Bulk
19-19-19	41427	18.75	20.26	19.80		101	CM	Bulk
23-11-11	41429	23.30	11.48	11.86		100	CM	Bulk
25-9-9	41428	25.30	9.16	9.23		99	CM	Bulk
28-12-12	41553	29.26	12.61	12.31		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

CEN FARMERS SUP. OF GREEN GREENSBURG KY 42743								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.30	97.64	102.21				
ALL SAMPLES,CV %		3.28	5.74	3.94				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 7.69 %								

CHEMSICO, DIV OF UNITED INDUSTRIES ST. LOUIS MO 63114								
10-10-10	40908	9.78	10.07	10.77		101	Blend	Bag
10-10-10	40916	9.70	9.83	11.95		103	Blend	Bag
10-10-10	41108	13.53	11.56	6.78 *		113	Blend	Bag
10-10-10	41112	8.50 *	9.54	11.13		94 *	Blend	Bag
10-10-10	41118	8.79 *	9.57	10.46		94 *	Blend	Bag
10-10-10	41124	9.81	9.48	10.38		98	Blend	Bag
10-10-10	41126	10.05	7.98 *	10.07		94 *	Blend	Bag
10-10-10	41256	9.93	13.34	9.44		109	Blend	Bag
10-10-10	41266	8.86 *	9.05 *	10.78		94 *	Blend	Bag
10-10-10	41392	10.02	9.03 *	10.26		98	Blend	Bag
10-10-10	41399	10.56	11.30	10.66		108	Blend	Bag
10-10-10	41636	9.76	9.66	9.79		97	Blend	Bag
10-10-10	42671	8.20 *	9.39	11.10		93 *	Blend	Bag
10-10-10	42677	9.31	9.29	9.84		94 *	Blend	Bag
10-10-10	42678	11.54	14.73	11.03		125	Blend	Bag
10-10-10	42771	9.71	8.71 *	9.94		94 *	Blend	Bag
10-10-10	42808	10.31	8.76 *	10.22		98	Blend	Bag
10-10-10	42819	10.30	9.98	10.36		102	Blend	Bag
10-10-10	42911	9.73	8.38 *	7.86 *		89 *	Blend	Bag
10-10-10	42912	8.94 *	8.34 *	10.24		90 *	Blend	Bag
10-10-10	42916	10.02	11.83	9.48		105	Blend	Bag
10-10-10	42919	7.93 *	7.59 *	8.88 *		80 *	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 22								
Average Analysis :		9.78	9.88	10.06		98.8		
CV, %		11.98	17.49	11.16				
15-30-15	42116+	16.33	31.23	16.80		107	Blend	Bag
19-06-12	42899+	20.49	6.73	12.47		108	Mnfr	Bag
19-06-12	42902+	20.35	6.76	12.51		107	Mnfr	Bag
19-06-12	42908+	20.55	6.81	13.23		109	Mnfr	Bag
19-06-12	42914+	20.66	6.64	12.79		109	Mnfr	Bag
19-06-12	42915+	20.22	6.35	13.10		107	Mnfr	Bag
Statistical Analysis for Grade : 19-06-12								
Number of Samples This Grade : 5								
Average Analysis :		20.45	6.66	12.82		108.0		
CV, %		0.84	2.75	2.66				
28-03-03	40915	28.22	2.90	3.24		101	Blend	Bag
28-03-03	41107	27.93	3.43	2.94		101	Blend	Bag
28-03-03	41119	15.52 *	3.66	3.99		64 *	Blend	Bag
28-03-03	41265	28.84	3.21	3.16		103	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CHEMSICO, DIV OF UNITED INDUSTRIES ST. LOUIS MO 63114								
28-03-03	41270	29.22	3.00	3.23		104	Blend	Bag
28-03-03	41398	28.88	3.27	3.19		104	Blend	Bag
28-03-03	41413	28.10	3.21	3.15		101	Blend	Bag
28-03-03	41638	28.66	2.90	3.12		102	Blend	Bag
28-03-03	42121	24.58 *	1.17 *	1.35 *		82 *	Blend	Bag
Statistical Analysis for Grade : 28-03-03								
Number of Samples This Grade : 9								
Average Analysis :		26.66	2.97	3.04		95.8		
CV, %		16.5	24.21	23.03				
28-03-08	42971+	27.34	3.40	7.43		98	Blend	Bag
29-03-04	42669+	30.78	3.06	3.72		105	Blend	Bag
29-03-04	42676+	26.14 *	3.40	3.74		92 *	Blend	Bag
29-03-04	42818+	31.99	2.77	4.94		110	Blend	Bag
29-03-04	42820+	29.04	3.20	5.27		103	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.07	101.24	102.54				
ALL SAMPLES,CV %		11.96	16.88	14.35				
NUMBER OF ANALYSIS		42	42	42				
Deficiency Rate = 38.10 %								
CLEMENTS AG SUPP. SPRINGFIELD KY 40069								
00-00-60	41144	0.00	0.00	60.56		101	Mat	Bulk
11-05-16	43181	11.54	5.13	16.52		98	CM	Bulk
11-05-16	43184	11.47	5.60	17.76		103	CM	Bulk
18-46-00	41143	18.60	45.95	0.00		101	Mat	Bulk
19-04-28	43182	18.82	5.31	29.01		100	CM	Bulk
19-13-20	43183	18.27	12.31 *	22.21		101	CM	Bulk
46-00-00	41142	45.62	0.00	0.00		99	Mat	Bulk
CORBIN FARM/GARDEN CTR. CORBIN KY 40701								
06-12-12	41251	5.55	11.28	12.45		96 *	Blend	Bag
10-10-10	41250	10.39	10.22	10.02		102	Blend	Bag
19-19-19	41249	18.12	19.12	20.26		100	Blend	Bag
CRITTENDEN FARM SUPP. MARION KY 42064								
00-00-60	42704	0.00	0.00	60.37		101	Mat	Bulk
10-27-24	42265	10.77	28.28	23.40		100	CM	Bulk
13-13-26	42504	13.74	13.56	27.35		103	CM	Bulk
13-22-24	42506	13.02	22.18	24.66		98	CM	Bulk
16-18-24	42266	16.57	17.91	23.25		99	CM	Bulk
17-15-24	42705	17.34	14.68	25.98		100	CM	Bulk
17-15-24	42706	17.52	15.82	25.28		101	CM	Bulk
18-46-00	42703	18.26	47.10	0.00		102	Mat	Bulk
19-19-19	42263	20.55	19.05	18.92		102	CM	Bulk
21-18-18	42505	20.39	17.89	17.99		98	CM	Bulk
21-18-18	42701	21.13	17.96	18.53		100	CM	Bulk
23-7-23	42707	22.70	12.64	22.24		106	CM	Bulk
27-13-13	42264	26.86	13.92	14.96		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

CRITTENDEN FARM SUPP. MARION KY 42064								
46-00-00	42702	46.05	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.61	105.15	101.22				
ALL SAMPLES,CV %		3	17.32	4.09				
NUMBER OF ANALYSIS		13	12	12				
Deficiency Rate = 0.00 %								

CROP PRODUCTION SVC INC (CAD) CADIZ KY 42211								
04-20-17	40364	5.07	21.32	18.10		104	CM	Bulk
05-17-18	40230	5.94	19.02	19.31		107	CM	Bulk
15-15-27	41531	14.19 *	15.61	29.57		99	CM	Bulk
15-15-27	41532	14.95	15.34	28.81		100	CM	Bulk
19-19-19	41530	18.53	20.03	20.48		101	CM	Bulk
19-19-19	41879	19.30	18.24	20.42		99	CM	Bulk
22-16-17	41878	20.39 *	22.27	15.58 *		102	CM	Bulk
32-23-0	41883	31.32	24.58	0.00		101	CM	Bulk
5-27-27	41880	6.15	27.95	27.74		101	CM	Bulk
5-27-27	41881	5.94	28.25	27.67		101	CM	Bulk
9-23-25	41882	8.70	23.19	25.40		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.00	104.08	102.31				
ALL SAMPLES,CV %		7.91	9.25	4.87				
NUMBER OF ANALYSIS		11	11	10				
Deficiency Rate = 18.18 %								

CROP PRODUCTION SVC INC (CLA) CLARKSON KY 42726								
10-09-15	43289+	10.23	9.82	15.42		102	CM	Bulk
10-09-15	43290+	10.37	9.85	14.98		101	CM	Bulk
17-06-09	43291+	18.30	6.85	9.11		102	CM	Bulk
18-18-19	41725	18.37	18.22	19.71		102	CM	Bulk
18-19-20	41718	18.85	19.78	19.91		101	CM	Bulk
18-19-20	41721	18.48	18.87	20.73		99	CM	Bulk
18-19-20	41723	18.91	19.14	19.40		99	CM	Bulk
18-19-20	41726	18.66	19.84	19.21		99	CM	Bulk
18-19-20	41727	19.00	19.69	19.51		100	CM	Bulk
Statistical Analysis for Grade : 18-19-20								
Number of Samples This Grade : 5								
Average Analysis :		18.78	19.46	19.75		99.8		
CV, %		1.11	2.22	3.06				
19-19-20	41720	19.11	19.46	19.44		100	CM	Bulk
19-19-20	41722	19.12	19.73	19.21		100	CM	Bulk
23-15-16	41719	23.49	16.11	16.51		100	CM	Bulk
9-23-30	41724	9.10	23.15	30.22		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (CLA) CLARKSON KY 42726								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.29	101.87	99.27				
ALL SAMPLES,CV %		1.72	3	2.97				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (CLA) CLAY KY 42404-2167								
09-22-29	40399	8.86	23.45	28.93		102	CM	Bulk
09-22-29	40400	8.94	23.47	28.36		102	CM	Bulk
09-23-30	42708	8.84	21.96	31.63		100	CM	Bulk
09-23-30	42709	8.94	22.24	30.60		99	CM	Bulk
13-20-26	42713	13.75	21.37	26.19		102	CM	Bulk
13-20-26	42714	13.35	21.06	26.21		101	CM	Bulk
5-26-30	40394	6.03	26.92	28.83		101	CM	Bulk
5-26-30	40395	5.72	26.31	29.92		101	CM	Bulk
5-26-30	40396	5.62	26.28	29.96		101	CM	Bulk
5-26-30	40397	5.70	26.58	29.61		101	CM	Bulk
5-26-30	40398	5.74	26.71	29.40		101	CM	Bulk
Statistical Analysis for Grade : 5-26-30								
Number of Samples This Grade : 5								
Average Analysis :		5.76	26.56	29.54		101.1		
CV, %		2.72	1.02	1.56				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.62	101.92	99.41				
ALL SAMPLES,CV %		2.97	3.14	2.52				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (GAL) GALESBURG IL 61402-1467								
00-00-50	41456	0.00	0.00	50.00		100	Mat	Bulk
00-00-50	43036	0.00	0.00	51.91		104	Mat	Bulk
00-00-50	43249	0.00	0.00	51.42		103	Mat	Bulk
00-00-60	40111	0.00	0.00	59.36		99	Mat	Bulk
00-00-60	40340	0.00	0.00	59.88		100	Mat	Bulk
00-00-60	40621	0.00	0.00	60.34		101	Mat	Bulk
00-00-60	40622	0.00	0.00	60.03		100	Mat	Bulk
00-00-60	40641	0.00	0.00	60.53		101	Mat	Bulk
00-00-60	40726	0.00	0.00	59.48		99	Mat	Bulk
00-00-60	40874	0.00	0.00	59.95		100	Mat	Bulk
00-00-60	40880	0.00	0.00	59.41		99	Mat	Bulk
00-00-60	40888	0.00	0.00	60.84		101	Mat	Bulk
00-00-60	40892	0.00	0.00	59.05		98	Mat	Bulk
00-00-60	41453	0.00	0.00	61.33		102	Mat	Bulk
00-00-60	42712	0.00	0.00	60.59		101	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (GAL) GALESBURG IL 61402-1467								
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 12								
Average Analysis :		0.00	0.00	60.07		100.1		
CV, %		0	0	1.14				
00-46-00	40113	0.00	44.48	0.00		97	Mat	Bulk
00-46-00	40639	0.00	46.18	0.00		100	Mat	Bulk
11-52-00	40339	11.44	52.26	0.00		101	Mat	Bulk
11-52-00	40724	10.90	53.53	0.00		102	Mat	Bulk
18-46-00	40112	17.74	45.73	0.00		99	Mat	Bulk
18-46-00	40338	17.65	46.04	0.00		100	Mat	Bulk
18-46-00	40620	18.38	46.77	0.00		102	Mat	Bulk
18-46-00	40623	17.78	47.05	0.00		102	Mat	Bulk
18-46-00	40640	17.17	46.45	0.00		99	Mat	Bulk
18-46-00	40725	17.36	46.65	0.00		100	Mat	Bulk
18-46-00	40873	18.25	46.42	0.00		101	Mat	Bulk
18-46-00	40879	18.11	45.63	0.00		100	Mat	Bulk
18-46-00	40887	18.18	45.67	0.00		100	Mat	Bulk
18-46-00	40890	17.93	46.94	0.00		101	Mat	Bulk
18-46-00	41455	18.61	46.02	0.00		101	Mat	Bulk
18-46-00	42711	17.93	46.71	0.00		101	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 12								
Average Analysis :		17.92	46.34	0.00		100.4		
CV, %		2.32	1.09	0				
28-00-00	42148	28.00	0.00	0.00		100	Mat	Liq
28-00-00	42980	28.00	0.00	0.00		100	Mat	Liq
28-00-00	43248	27.17	0.00	0.00		97	Mat	Liq
32-00-00	42147	32.00	0.00	0.00		100	Mat	Liq
32-00-00	43286	32.00	0.00	0.00		100	Mat	Liq
34-00-00	40886	33.62	0.00	0.00		99	Mat	Bulk
46-00-00	40337	46.04	0.00	0.00		100	Mat	Bulk
46-00-00	40619	45.80	0.00	0.00		100	Mat	Bulk
46-00-00	40624	45.82	0.00	0.00		100	Mat	Bulk
46-00-00	40638	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	40723	46.05	0.00	0.00		100	Mat	Bulk
46-00-00	40872	46.03	0.00	0.00		100	Mat	Bulk
46-00-00	40878	46.03	0.00	0.00		100	Mat	Bulk
46-00-00	40891	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	41454	46.07	0.00	0.00		100	Mat	Bulk
46-00-00	42710	46.20	0.00	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 10								
Average Analysis :		45.99	0.00	0.00		100.0		
CV, %		0.27	0	0				

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

CROP PRODUCTION SVC INC (GAL) GALESBURG IL 61402-1467								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.79	100.59	100.53				
ALL SAMPLES,CV %		1.74	1.5	1.52				
NUMBER OF ANALYSIS		30	16	15				
Deficiency Rate = 0.00 %								

CROP PRODUCTION SVC INC (HEN) HENDERSON KY 42420								
05-24-31	40368	5.23	23.13	33.16		99	CM	Bulk
05-24-31	40369	5.27	24.07	33.68		102	CM	Bulk
05-24-32	40414	5.25	24.33	32.56		101	CM	Bulk
5-24-31	40407	5.29	24.36	32.91		101	CM	Bulk
5-24-31	40408	5.16	24.21	33.50		102	CM	Bulk
5-24-31	40409	5.25	24.47	33.14		102	CM	Bulk
5-24-31	40410	5.09	23.57	33.62		100	CM	Bulk
5-24-31	40411	5.17	23.75	33.57		101	CM	Bulk
5-24-31	40412	5.35	24.09	32.16		100	CM	Bulk
5-24-31	40413	5.21	23.84	31.84		99	CM	Bulk
Statistical Analysis for Grade : 5-24-31								
Number of Samples This Grade : 7								
Average Analysis :		5.22	24.04	32.96		100.7		
CV, %		1.67	1.38	2.16				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.25	98.27	103.69				
ALL SAMPLES,CV %		1.42	1.73	1.96				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

CROP PRODUCTION SVC INC (HOD) HODGENVILLE KY 42748								
0-11-42	41420+	0.00	12.87	42.91		104	CM	Bulk
0-16-33	41345+	0.00	18.25	34.91		105	CM	Bulk
10-26-26	41079	10.27	25.78	27.02		101	CM	Bulk
12-23-23	41421	12.21	24.35	23.68		101	CM	Bulk
13-03-39	42968	13.53	3.92	40.15		102	CM	Bulk
18-15-22	41078	18.63	16.15	22.41		100	CM	Bulk
19-15-22	41424	17.95	14.75	24.55		98	CM	Bulk
19-15-22	41425	17.69	15.92	24.66		100	CM	Bulk
19-19-19	41419	18.46	19.44	20.44		99	CM	Bulk
19-19-19	42970	19.25	20.85	18.63		101	CM	Bulk
19-6-29	41422	18.64	7.02	30.68		100	CM	Bulk
19-6-29	41423	18.87	6.51	30.89		100	CM	Bulk
27-13-13	42969	26.56	13.28	13.52		98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (HOD) HODGENVILLE KY 42748								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.41	104.36	102.42				
ALL SAMPLES,CV %		3.03	5.61	3.5				
NUMBER OF ANALYSIS		11	13	13				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (HOR) HORSECAVE KY 42749								
11-10-15	43070+	11.71	9.84	16.30		102	CM	Bulk
15-22-22	41349	15.29	23.13	23.14		102	CM	Bulk
19-17-19	41354	18.92	17.61	22.13		100	CM	Bulk
20-12-18	43037+	19.85	12.96	19.08		102	CM	Bulk
23-10-17	43038	23.84	10.93	18.56		104	CM	Bulk
25-17-12	41348	25.05	17.28	13.61		99	CM	Bulk
25-21-10	41346	24.91	23.18	10.06		102	CM	Bulk
26-16-10	41353	27.63	16.33	12.40		104	CM	Bulk
27-13-13	41350	26.74	13.97	14.34		100	CM	Bulk
27-16-11	41351	27.56	16.27	11.60		100	CM	Bulk
28-9-14	41347	28.49	10.25	15.78		101	CM	Bulk
28-9-14	41352	29.16	9.86	14.99		101	CM	Bulk
5-14-38	41355+	5.47	13.54	40.41		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.51	101.55	106.08				
ALL SAMPLES,CV %		2.01	4.09	3.6				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
CROP PRODUCTION SVC INC (MAD) MADISONVILLE KY 42431								
0-19-32	40457+	0.00	17.93 *	33.36		96 *	CM	Bulk
0-19-32	40458+	0.00	19.43	33.82		101	CM	Bulk
0-19-32	40459+	0.00	19.17	33.49		100	CM	Bulk
0-19-32	40460+	0.00	19.31	33.02		99	CM	Bulk
29-10-13	42978	29.04	10.54	13.40		99	CM	Bulk
29-10-13	42979	29.83	10.49	12.82		100	CM	Bulk
9-23-30	42717	9.49	24.46	28.86		102	CM	Bulk
CROP PRODUCTION SVC INC (MOR) MORGANFIELD KY 42437								
03-14-43	40351	3.06	14.17	45.09		102	CM	Bulk
03-14-43	40352	3.10	14.07	44.78		101	CM	Bulk
03-14-43	40353	3.08	14.16	44.93		102	CM	Bulk
03-14-43	40354	3.19	14.28	44.25		101	CM	Bulk
04-20-35	40355	4.83	21.89	36.07		103	CM	Bulk
04-20-35	40356	4.62	21.00	36.80		102	CM	Bulk
4-20-36	40543	4.47	20.65	36.60		101	CM	Bulk
4-20-36	40544	4.39	20.65	37.72		102	CM	Bulk
4-20-36	40545	4.56	21.10	36.47		102	CM	Bulk
CROP PRODUCTION SVC INC (PEM) PEMBROKE KY 42266								
06-32-21	40188	7.22	32.77	22.64		101	CM	Bulk
06-32-21	40189	7.09	32.38	23.09		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (PEM) PEMBROKE KY 42266								
06-32-21	40190	7.32	33.82	22.07		102	CM	Bulk
06-32-21	40191	7.08	33.10	23.05		102	CM	Bulk
07-33-21	40187	7.43	34.63	21.01		102	CM	Bulk
10-25-26	40448	9.46	25.02	28.26		100	CM	Bulk
17-14-21	43364	19.67	13.93	19.60 *		100	CM	Bulk
19-22-13	42145+	20.80	22.26	13.23		101	CM	Bulk
21-20-17	40627	21.93	20.74	15.85		106	CM	Bulk
7-18-14	40449	7.58	18.68	15.25		103	CM	Bulk
7-18-14	40450	7.59	18.63	15.91		104	CM	Bulk
9-23-30	42146	8.73	22.39	31.10		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.12	100.47	101.66				
ALL SAMPLES,CV %		4.07	2.65	4.25				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 8.33 %								
CROP PRODUCTION SVC INC (POO) POOLE KY 42444								
09-23-30	43280	9.00	23.05	29.80		100	CM	Bulk
9-23-30	42251	8.85	22.96	31.02		101	CM	Bulk
9-23-30	42252	9.12	23.85	29.61		101	CM	Bulk
9-23-30	42253	8.82	23.14	30.09		100	CM	Bulk
9-23-30	42254	8.82	23.21	30.23		100	CM	Bulk
9-23-30	42255	9.04	24.26	31.79		105	CM	Bulk
9-23-30	42517	8.91	22.33	29.73		98	CM	Bulk
9-23-30	42518	9.00	22.90	28.98		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 7								
Average Analysis :		8.94	23.24	30.21		100.5		
CV, %		1.31	2.75	3.1				
CROP PRODUCTION SVC INC (RUS) RUSSELLVILLE KY 42276								
0-17-35	41457+	0.00	16.11 *	38.29		101	CM	Bulk
06-30-20	40184	6.24	30.47	20.20		100	CM	Bulk
06-30-20	40185	6.01	29.94	20.97		100	CM	Bulk
06-30-20	40218	6.32	30.77	20.75		102	CM	Bulk
07-20-26	40274	8.13	20.35	27.22		103	CM	Bulk
09-29-21	40270	9.19	28.41	23.42		99	CM	Bulk
11-28-22	40272	11.03	29.42	22.96		101	CM	Bulk
11-28-22	40273	10.93	29.09	23.19		101	CM	Bulk
11-28-22	40275	10.92	29.33	23.16		101	CM	Bulk
11-28-22	40276	11.20	29.20	23.21		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.87	99.31	104.17				
ALL SAMPLES,CV %		3.9	3.81	2.35				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate = 10.00 %								
CROP PRODUCTION SVC INC (WAV) WAVERLY KY 42462								
03-15-23	40344	3.70	15.23	24.62		104	CM	Bulk

03-15-23

40345

3.67

14.50

22.35

98

CM

Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
CROP PRODUCTION SVC INC (WAV) WAVERLY KY 42462								
04-19-38	40341	4.06	19.40	37.19		100	CM	Bulk
04-19-38	40342	4.08	19.51	38.71		102	CM	Bulk
04-20-35	40343+	4.49	21.44	34.97		102	CM	Bulk
05-24-31	40371	5.34	24.85	32.95		102	CM	Bulk
4-19-38	40542	4.15	19.28	37.02		99	CM	Bulk
4-22-33	40540	4.95	22.93	34.17		101	CM	Bulk
4-22-33	40541	4.80	22.72	33.39		100	CM	Bulk
CUB RUN MILLING CO. CUB RUN KY 42729								
0-18-36	42487	0.00	18.61	37.13		102	CM	Bulk
17-17-17	41814	18.20	17.95	17.79		102	CM	Bulk
17-17-17	42294	17.58	18.94	17.50		101	CM	Bulk
17-17-17	42489	17.33	17.93	19.59		102	CM	Bulk
19-19-19	41566	18.39	18.73	21.05		99	CM	Bulk
19-19-19	41567	19.03	19.22	20.54		100	CM	Bulk
19-19-19	41815	19.01	19.62	20.53		101	CM	Bulk
19-19-19	42292	18.66	19.83	19.01		99	CM	Bulk
19-19-19	42293	18.63	20.05	19.22		99	CM	Bulk
19-19-19	42488	18.90	20.97	18.75		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		18.77	19.74	19.85		99.9		
CV, %		1.34	3.87	4.88				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.78	102.59	102.50				
ALL SAMPLES,CV %		2.15	3.27	4.69				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate = 0.00 %								
DABNEY FEED SUPP BRODHEAD KY 40409								
13-0-36	41864	14.30	0.00	35.51		101	CM	Bulk
16-14-27	41863	15.71	14.43	29.02		100	CM	Bulk
16-14-27	41867	15.86	15.37	27.88		101	CM	Bulk
18-17-22	41861	18.03	16.91	23.84		101	CM	Bulk
18-17-22	41868	17.91	16.99	23.49		100	CM	Bulk
18-18-19	41860	17.55	17.66	20.83		99	CM	Bulk
19-19-19	41859	19.30	19.44	20.50		103	CM	Bulk
19-19-19	41865	18.10	19.80	20.36		101	CM	Bulk
19-19-19	41866	18.13	19.57	21.53		102	CM	Bulk
24-9-10	41862	25.41	8.33 *	10.15		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.70	98.88	105.38				
ALL SAMPLES,CV %		3.26	5.14	3.93				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 10.00 %								
DABNEY FEED SUPP SOMERSET KY 42503								
00-00-60	40819	0.00	0.00	60.23		100	Mat	Bulk
00-00-60	40823	0.00	0.00	60.47		101	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
DABNEY FEED SUPP SOMERSET KY 42503								
12-17-28	41442	12.26	18.44	28.77		101	CM	Bulk
18-46-00	40822	17.82	46.27	0.00		100	Mat	Bulk
18-46-00	41089	18.02	45.99	0.00		100	Mat	Bulk
19-19-19	41715	21.88	22.50	14.51 *		107	CM	Bulk
19-19-19	41716	19.87	19.34	19.43		103	CM	Bulk
19-19-19	41717	19.00	20.74	18.79		103	CM	Bulk
46-00-00	40820	45.94	0.00	0.00		100	Mat	Bulk
46-00-00	40821	46.02	0.00	0.00		100	Mat	Bulk
46-00-00	41088	45.95	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.81	105.86	96.57				
ALL SAMPLES,CV %		5.23	6.64	10.3				
NUMBER OF ANALYSIS		9	6	6				
Deficiency Rate = 9.09 %								
DRAKES FARM SVC. MORGANTOWN KY 42261-0308								
08-21-32	43405	8.67	21.82	31.38		101	CM	Bulk
14-16-28	42776	14.38	16.40	29.15		101	CM	Bulk
14-16-28	42777	14.15	15.88	29.09		99	CM	Bulk
DREXEL CHEMICAL CO. MEMPHIS TN 38113-0327								
00-00-00	42021+	0.00	0.00	0.00			Mat	Bag
00-00-00	42058+	0.00	0.00	0.00			Mat	Bag
00-00-00	42077+	0.00	0.00	0.00			Mat	Bag
00-00-00	42089+	0.00	0.00	0.00			Mat	Bag
00-00-00	42164+	0.00	0.00	0.00			Mat	Bag
00-00-00	42560+	0.00	0.00	0.00			Mat	Bag
00-00-00	42608+	0.00	0.00	0.00			Mat	Bag
00-00-00	42617+	0.00	0.00	0.00			Mat	Bag
00-00-00	42626+	0.00	0.00	0.00			Mat	Bag
Statistical Analysis for Grade : 00-00-00								
Number of Samples This Grade : 9								
Average Analysis :		0.00	0.00	0.00		0.0		
CV, %		0	0	0				
EARTHWORKS MARTINS CREEK PA 18063								
05-04-05	43460+	4.85	3.96	5.09		99	Mat	Bag
ELKTON CROP SVC. GUTHRIE KY 42234								
07-18-12	40171	7.74	19.81	12.58		107	CM	Bulk
09-23-30	40271	7.96 *	20.86 *	34.34		99	CM	Bulk
09-32-20	40221	9.60	31.45	21.97		100	CM	Bulk
10-27-24	40227	10.16	26.14	27.36		100	CM	Bulk
10-27-24	40277	9.57 *	24.76 *	29.36		98	CM	Bulk
14-09-13	42972+	15.22	9.17	13.93		103	CM	Bulk
14-09-13	42973+	15.36	8.96	13.05		100	CM	Bulk
14-09-13	42974+	15.05	9.81	15.02		107	CM	Bulk
29-12-11	42788	24.51 *	13.56	12.22		91 *	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

ELKTON CROP SVC.	GUTHRIE KY 42234							
29-12-11	42789	30.66	12.05	10.94		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.58	97.61	108.60				
ALL SAMPLES,CV %		8.8	6.42	7.15				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 30.00 %								

EVERGREEN LIQUID PLANT	BRESLAU, ON CN NOB IMO							
05-20-05	42852	5.15	20.41	5.70		104	Mnfr	Liq

FAIRPLAY FERTILIZER	GLENSFORK KY 42741							
00-00-60	40863	0.00	0.00	59.87		100	Mat	Bulk
18-46-00	40862	17.63	46.06	0.00		99	Mat	Bulk
34-00-00	40864	34.46	0.00	0.00		101	Mat	Bulk
46-00-00	40865	45.98	0.00	0.00		100	Mat	Bulk
8-17-34	42276	8.78	16.88	35.51		100	CM	Bulk
8-17-34	42277	8.55	16.92	35.56		100	CM	Bulk

FARMERS CO-OP MIDWAY	MURRAY KY 42071							
07-19-34	40153	8.78	20.37	34.34		104	CM	Bulk
07-19-34	40154	7.71	19.01	34.94		99	CM	Bulk
07-19-34	40155	8.14	18.78	35.37		100	CM	Bulk
09-21-28	41924+	9.39	20.76	28.49		100	CM	Bulk
09-21-28	41925+	9.22	20.92	28.51		100	CM	Bulk
09-23-29	41471+	8.28	21.26	31.74		99	CM	Bulk
09-23-29	41472+	8.85	23.00	29.32		101	CM	Bulk
17-17-17	41926	16.49	18.46	19.54		100	CM	Bulk
21-14-14	41470	19.68	14.08	15.44		98	CM	Bulk
6-16-21	40424	6.73	16.55	23.25		102	CM	Bulk
9-17-30	41927+	9.15	16.20	31.03		99	CM	Bulk
9-17-30	41928+	9.48	17.13	30.47		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.86	98.71	104.12				
ALL SAMPLES,CV %		5.86	3.37	3.41				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 0.00 %								

FARMERS FERTILIZER CO.	SMITHS GROVE KY 42171							
19-19-19	41484	19.21	17.91	20.98		101	CM	Bulk
19-19-19	41485	19.62	20.39	19.19		104	CM	Bulk
19-19-19	41487	20.35	20.03	18.12		104	CM	Bulk
19-19-19	42437	18.36	19.03	21.67		102	CM	Bulk
19-19-19	42440	19.58	20.69	18.05		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
FARMERS FERTILIZER CO. SMITHS GROVE KY 42171								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		19.42	19.61	19.60		102.8		
CV, %		3.73	5.8	8.45				
27-11-15	41816	26.15	11.94	16.52		99	CM	Bulk
30-10-10	41818	31.64	11.16	10.71		107	CM	Bulk
30-9-12	42438	29.21	9.98	13.91		99	CM	Bulk
30-9-12	42439	29.40	9.26	13.89		99	CM	Bulk
32-23-0	41486	31.12	23.85	0.00		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.34	103.03	105.47				
ALL SAMPLES,CV %		4.19	5.65	6.43				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate = 0.00 %								
FARMERS FERTILIZER CO.(KELLY RD) BOWLING GREEN KY 42101								
13-20-0	41686	12.83	21.27	0.00		101	CM	Bulk
19-19-19	41681	14.44 *	16.54 *	28.35		96 *	CM	Bulk
19-19-19	41682	16.67 *	20.30	19.86		98	CM	Bulk
19-19-19	41683	17.55	19.54	20.37		99	CM	Bulk
19-19-19	41684	19.15	18.49	18.71		99	CM	Bulk
19-19-19	41685	18.65	19.72	18.85		100	CM	Bulk
19-19-19	41692	18.13	19.95	19.10		100	CM	Bulk
19-19-19	41693	19.69	19.40	18.79		102	CM	Bulk
19-19-19	41695	18.94	18.78	19.64		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 8								
Average Analysis :		17.90	19.09	20.46		99.3		
CV, %		9.47	6.22	15.84				
32-23-0	41694	31.71	24.25	0.00		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		95.07	101.33	107.68				
ALL SAMPLES,CV %		8.49	5.73	15.84				
NUMBER OF ANALYSIS		10	10	8				
Deficiency Rate = 20.00 %								
FARMERS FERTILIZER CO.(NASH. RD) BOWLING GREEN KY 42101								
06-15-40	40322	6.12	16.84	40.02		104	CM	Bulk
13-25-17	41489	13.64	25.11	18.67		100	CM	Bulk
19-19-19	41687	19.30	19.86	17.99		101	CM	Bulk
19-19-19	41690	18.62	19.88	18.99		101	CM	Bulk
19-19-19	41691	20.35	18.44	19.86		103	CM	Bulk
26-24-0	41689+	26.39	26.41	0.00		103	CM	Bulk
27-30-0	42442	26.00	31.46	0.00		98	CM	Bulk
32-18-0	41688+	31.80	18.59	0.00		99	CM	Bulk
32-23-0	41488	31.10	24.97	0.00		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

FARMERS FERTILIZER CO.(NASH. RD) BOWLING GREEN KY 42101								
32-23-0	41492	33.94	21.82	0.00		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.25	103.24	100.73				
ALL SAMPLES,CV %		3.88	4.98	4.03				
NUMBER OF ANALYSIS		10	10	5				
Deficiency Rate = 0.00 %								

FARMERS GIN CO. CLINTON KY 42031								
09-23-30	41541	9.17	23.42	29.89		101	CM	Bulk
5-13-17	40390	5.84	13.97	19.58		109	CM	Bulk
9-23-30	41539	9.16	23.35	30.22		101	CM	Bulk
9-23-30	41542	9.57	24.16	28.76		102	CM	Bulk
9-23-30	41543	9.14	23.46	30.48		102	CM	Bulk
9-23-30	41915	9.60	24.14	29.42		103	CM	Bulk
9-23-30	41917	9.00	23.02	29.90		100	CM	Bulk
9-23-30	41918	9.15	23.69	29.21		101	CM	Bulk
9-23-30	41919	8.27	23.00	30.22		99	CM	Bulk
9-23-30	41920	9.13	23.74	29.46		101	CM	Bulk
9-23-30	41921	9.14	23.69	29.82		101	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 9								
Average Analysis :		9.13	23.58	29.72		101.0		
CV, %		4.19	1.78	1.87				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.49	102.73	100.41				
ALL SAMPLES,CV %		4.95	1.82	4.55				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								

FELTY CROP SVC. BEAVER DAM KY 42320								
0-21-31	40536	0.00	21.91	30.93		99	CM	Bulk
0-21-31	40537	0.00	21.71	31.93		100	CM	Bulk
00-17-33	40425+	0.00	16.54	32.11		98	CM	Bulk
00-17-33	40426+	0.00	17.84	32.14		102	CM	Bulk
00-23-26	40427+	0.00	24.05	25.52		103	CM	Bulk
00-23-26	40428+	0.00	24.12	25.82		104	CM	Bulk
09-23-30	40297	8.81	22.97	31.99		102	CM	Bulk
19-19-19	42600	19.14	19.48	20.28		103	CM	Bulk
19-19-19	42601	19.48	19.80	19.76		103	CM	Bulk
9-23-30	42599	8.84	23.34	31.01		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.84	102.78	101.36				
ALL SAMPLES,CV %		2.2	2.84	3.51				
NUMBER OF ANALYSIS		4	10	10				
Deficiency Rate = 0.00 %								

FLEMING CO FARM SUPP. FLEMINGSBURG KY 41041								
00-00-51	41952	0.00	0.00	51.61		101	Mat	Bulk

00-00-51

41960

0.00

0.00

52.24

102

Mat

Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

FLEMING CO FARM SUPP. FLEMINGSBURG KY 41041								
00-00-61	41953	0.00	0.00	61.23		100	Mat	Bulk
00-00-61	41962	0.00	0.00	61.64		101	Mat	Bulk
05-10-15	41965	5.60	10.81	14.50		102	Blend	Bag
18-46-00	41955	17.74	45.49	0.00		99	Mat	Bulk
18-46-00	41963	18.17	45.81	0.00		100	Mat	Bulk
19-19-19	41944	19.14	19.82	19.93		100	CM	Bulk
19-19-19	41946	19.21	19.71	19.38		100	CM	Bulk
19-19-19	41950	19.67	19.01	19.99		100	CM	Bulk
19-19-19	41956	20.44	19.72	19.34		102	CM	Bulk
19-19-19	41957	19.37	19.16	19.66		99	CM	Bulk
19-19-19	41958	18.55	20.12	19.54		99	CM	Bulk
19-19-19	41959	19.37	19.43	18.92		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 7								
Average Analysis :		19.39	19.57	19.54		100.0		
CV, %		2.96	1.99	1.89				
22-13-12	41948	22.15	12.35	13.48		100	CM	Bulk
27-13-13	41947	26.94	13.27	14.12		99	CM	Bulk
34-00-00	41954	32.52	0.00	0.00		97	Mat	Bulk
34-00-00	41961	33.79	0.00	0.00		101	Mat	Bulk
46-00-00	41951	45.90	0.00	0.00		100	Mat	Bulk
46-00-00	41964	45.91	0.00	0.00		100	Mat	Bulk
5-5-5	41945	5.09	5.10	5.48		96 *	CM	Bulk
7-19-35	41949	7.64	21.06	36.23		104	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.91	100.11	101.32				
ALL SAMPLES,CV %		3.87	4.37	2.04				
NUMBER OF ANALYSIS		18	14	16				
Deficiency Rate = 4.55 %								

FRANKLIN CROP SVC. FRANKLIN KY 42134								
10-25-26	42222	10.38	24.89	27.82		101	CM	Bulk
10-26-23	40317	10.25	26.81	23.88		101	CM	Bulk
10-31-20	40229	10.22	31.40	21.53		100	CM	Bulk
11-28-22	42224	11.64	29.23	22.45		102	CM	Bulk
11-28-22	42225	11.12	27.96	24.07		101	CM	Bulk
11-35-12	40269	11.98	35.96	13.17		101	CM	Bulk
13-09-09	42430	11.35 *	9.99	11.60		100	CM	Bulk
19-14-23	42429	18.67	14.00	24.57		99	CM	Bulk
20-23-15	42223	20.30	23.20	15.84		101	CM	Bulk
25-28-0	42432	25.25	29.77	0.00		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.06	101.32	106.46				
ALL SAMPLES,CV %		5.32	3.44	7.17				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate = 10.00 %								

FREE FLOW FERTILIZER CO. MAUMEE OH 43537								
18-02-12	40383+	17.92	24.00	13.51		189	Blend	Bag
25-03-06	40836	25.45	2.97	5.86		101	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

FREE FLOW FERTILIZER CO. MAUMEE OH 43537								
28-03-03	40917	29.08	3.60	2.99		105	Blend	Bag
28-03-03	41103	27.15	3.35	3.30		99	Blend	Bag
28-03-03	41122	27.83	3.25	3.63		101	Blend	Bag
28-03-03	41129	27.72	3.31	3.29		100	Blend	Bag
28-03-03	41259	25.99 *	2.48	3.95		94 *	Blend	Bag
28-03-03	41261	28.60	3.31	2.93		102	Blend	Bag
28-03-03	41396	27.81	3.28	3.72		101	Blend	Bag
28-03-03	41400	28.66	3.20	3.43		103	Blend	Bag
28-03-03	41402	27.25	3.61	4.08		101	Blend	Bag
28-03-03	41637	27.61	3.31	3.08		100	Blend	Bag
Statistical Analysis for Grade : 28-03-03								
Number of Samples This Grade : 10								
Average Analysis :		27.77	3.27	3.44		100.6		
CV, %		3.19	9.48	11.54				
29-00-04	40384	28.52	0.00	4.91		100	Blend	Bag
29-03-04	42823+	28.97	3.10	4.76		101	Blend	Bag
29-03-04	42865+	29.90	2.76	4.84		103	Blend	Bag
29-03-04	42904+	28.31	3.19	4.13		99	Blend	Bag
29-03-04	42909	28.87	3.12	4.02		100	Blend	Bag
29-03-04	42920+	28.92	3.33	3.80		100	Blend	Bag
Statistical Analysis for Grade : 29-03-04								
Number of Samples This Grade : 5								
Average Analysis :		28.99	3.10	4.31		100.7		
CV, %		1.97	6.79	10.76				
32-04-08	40837+	31.44	3.81	8.52		99	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.45	166.70	111.84				
ALL SAMPLES,CV %		2.55	154.75	10.8				
NUMBER OF ANALYSIS		19	18	19				
Deficiency Rate = 5.26 %								

FRIT INDUSTRIES OZARK AL 36361								
00-00-00	40800+	0.00	0.00	0.00			Mat	Bag
00-00-00	41981+	0.00	0.00	0.00			Mat	Bag
00-00-00	42057+	0.00	0.00	0.00			Mat	Bag

GAMALIEL BULK FERT. GAMALIEL KY 42140								
19-19-19	41819	18.84	19.38	20.96		101	CM	Bulk
19-19-19	41822	19.85	19.88	18.99		101	CM	Bulk
21-15-20	41321	21.48	14.93	20.52		100	CM	Bulk
21-15-20	41820	20.63	15.85	20.96		100	CM	Bulk
21-15-20	41825	20.14	15.64	21.88		100	CM	Bulk
22-13-12	41824	21.96	14.28	12.30		101	CM	Bulk
23-13-18	41823	23.35	14.37	18.68		101	CM	Bulk
27-11-15	41373	27.01	12.38	15.05		100	CM	Bulk
27-11-15	41376	26.68	12.70	15.36		101	CM	Bulk
27-11-15	41821	26.90	11.75	16.23		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

GAMALIEL BULK FERT. GAMALIEL KY 42140								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.01	103.96	103.57				
ALL SAMPLES,CV %		2.14	3.79	4.16				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

GLENDALE FARM SVC. GLENDALE KY 42740								
05-25-30	43244	6.22	25.08	29.98		100	CM	Bulk
19-19-19	42290	19.88	19.97	19.10		102	CM	Bulk
19-19-19	42291	19.28	19.13	18.47		98	CM	Bulk
19-19-19	42305	19.18	19.88	18.65		100	CM	Bulk
20-16-20	43241	20.86	16.04	20.14		100	CM	Bulk
20-16-20	43243	20.63	16.03	20.47		100	CM	Bulk
22-11-22	41801	21.69	11.31	23.10		100	CM	Bulk
22-11-22	41802	23.23	11.60	21.00		102	CM	Bulk
22-8-24	41804	21.65	8.72	24.83		100	CM	Bulk
23-11-19	42304	24.22	11.46	18.88		100	CM	Bulk
26-0-26	41803	26.70	0.00	25.06		100	CM	Bulk
4-11-28	40436+	5.16	12.32	27.39		103	CM	Bulk
5-26-30	40435	5.67	24.59	32.02		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.09	100.37	99.03				
ALL SAMPLES,CV %		5.3	4.52	3.86				
NUMBER OF ANALYSIS		13	12	13				
Deficiency Rate = 0.00 %								

GNS III (US) RIVERVIEW FL 33569								
00-00-60	40570	0.00	0.00	60.73		101	Mat	Bulk
18-46-00	40568	18.09	46.02	0.00		100	Mat	Bulk
18-46-00	42764	17.95	46.25	0.00		100	Mat	Bulk
46-00-00	40567	45.63	0.00	0.00		99	Mat	Bulk

GRANT CO FARM SUPP. DRY RIDGE KY 41035								
00-00-50	43134	0.00	0.00	51.89		104	Mat	Bulk
04-09-14	43403	4.97	9.90	15.47		105	CM	Bulk
05-10-15	43270	4.42 *	9.18	15.76		99	Blend	Bag
09-05-08	43401	9.16	6.02	8.46		100	CM	Bulk
10-10-10	42054	9.52	9.71	10.40		98	Blend	Bag
12-07-11	43402	12.43	8.50	11.83		101	CM	Bulk
14-00-33	43272	14.85	0.00	34.77		102	CM	Bulk
17-14-21	43404	16.63	14.33	22.63		99	CM	Bulk
18-46-00	42055	17.38	45.82	0.00		99	Mat	Bulk
19-19-19	43135	19.11	20.30	19.24		101	CM	Bulk
21-10-19	43273	21.06	10.24	20.34		100	CM	Bulk
21-10-19	43274	21.73	10.93	19.66		101	CM	Bulk
23-11-20	43133	23.76	11.44	20.50		101	CM	Bulk
24-11-16	43132	24.76	10.91	17.14		101	CM	Bulk
27-04-16	43136	28.16	4.96	16.83		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GRANT CO FARM SUPP. DRY RIDGE KY 41035								
46-00-00	42056	45.82	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.29	100.48	102.52				
ALL SAMPLES,CV %		3.64	4.99	2.44				
NUMBER OF ANALYSIS		15	13	14				
Deficiency Rate = 6.25 %								
GRAVES CO SOIL ASSOC. MAYFIELD KY 42066								
00-00-60	41330	0.00	0.00	60.59		101	Mat	Bulk
09-23-30	40323	8.89	22.91	31.98		102	CM	Bulk
18-46-00	41329	17.79	46.38	0.00		100	Mat	Bulk
21-11-15	41521	20.89	11.71	14.61		98	CM	Bulk
24-9-12	41327	24.09	8.48	11.55		98	CM	Bulk
34-00-00	41331	34.50	0.00	0.00		101	Mat	Bulk
46-00-00	41328	45.95	0.00	0.00		100	Mat	Bulk
7-19-32	42239	8.01	20.26	32.22		104	CM	Bulk
9-23-30	41522	9.04	22.50	29.81		99	CM	Bulk
9-23-30	41523	8.94	23.19	29.79		100	CM	Bulk
9-23-30	42233	9.02	23.07	30.53		101	CM	Bulk
9-23-30	42234	9.11	22.00	31.59		100	CM	Bulk
9-23-30	42235	9.11	23.14	30.53		101	CM	Bulk
9-23-30	42236	8.90	22.66	31.22		101	CM	Bulk
9-23-30	42237	8.90	22.02	31.45		100	CM	Bulk
9-23-30	42238	8.46	22.04	31.38		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 8								
Average Analysis :		8.93	22.58	30.79		100.1		
CV, %		2.35	2.3	2.36				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.86	98.91	101.75				
ALL SAMPLES,CV %		2.77	3.57	3.14				
NUMBER OF ANALYSIS		15	13	13				
Deficiency Rate = 0.00 %								
GREEN CHARGER FERT CORP. RICHMOND VA 23260								
05-10-15	43367+	5.63	10.37	16.73		110	Blend	Bag
06-24-24	43366	6.46	24.02	24.83		103	Blend	Bag
07-00-00	41174+	8.32	0.00	0.00		119	Mat	Bag
10-10-10	43368	8.79 *	9.81	11.55		98	Blend	Bag
GREEN LIGHT SAN ANTONIO TX 78216								
12-55-06	40125+	12.54	56.23	6.52		103	Mnfr	Bag
GREEN RIVER FEED MILL MORGANTOWN KY 42261								
18-18-18	42358	18.94	19.26	18.84		101	CM	Bulk
19-19-19	42356	18.29	19.72	20.17		99	CM	Bulk
19-19-19	42357	19.65	19.64	19.14		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GREEN RIVER FEED MILL MORGANTOWN KY 42261								
19-19-19	42359	17.84	18.92	22.07		99	CM	Bulk
19-19-19	42361	19.00	19.22	20.29		100	CM	Bulk
19-19-19	42773	18.98	19.20	19.73		99	CM	Bulk
19-19-19	42774	19.31	19.50	19.50		100	CM	Bulk
19-19-19	42775	19.16	19.44	19.17		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 7								
Average Analysis :		18.89	19.38	20.01		99.7		
CV, %		3.28	1.45	5.06				
24-15-15	42360	23.58	16.01	17.28		101	CM	Bulk
25-14-15	42355	24.91	15.19	14.97		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.95	100.66	102.97				
ALL SAMPLES,CV %		2.81	1.42	4.84				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
GREENLEAF PLANT FOOD DANVILLE KY 40423								
00-00-50	41642	0.00	0.00	49.57		99	Mat	Bulk
00-00-60	41640	0.00	0.00	61.60		103	Mat	Bulk
00-20-20	41619	0.00	24.54	12.32 *		97	Blend	Bag
00-20-20	42210	0.00	19.04	18.20 *		93 *	Blend	Bag
05-10-10	43619	5.31	9.19	10.68		100	Blend	Bag
05-10-15	41618	4.36 *	8.41 *	17.15		101	Blend	Bag
05-10-15	41710	4.91	9.95	14.41		97	Blend	Bag
05-10-15	42963	5.36	10.61	14.60	*	101	Blend	Bag
05-20-20	41617	3.76 *	16.31 *	20.99		89 *	Blend	Bag
05-20-20	41621	4.37 *	18.24 *	20.24		94 *	Blend	Bulk
05-20-20	41705	4.92	19.21	20.32		98	Blend	Bulk
05-20-20	41709	5.09	19.88	19.23		99	Blend	Bag
05-20-20	42960	4.65	19.09	20.47		97	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number of Samples This Grade : 5								
Average Analysis :		4.56	18.55	20.25		95.4		
CV, %		11.53	7.45	3.17				
06-12-12	41665	6.26	12.64	13.05		106	Blend	Bag
06-12-12	42131	5.65	10.42 *	12.23		93 *	Blend	Bag
06-12-12	42756	5.69	11.06	11.72		95 *	Blend	Bag
06-12-12	43620	6.05	10.85 *	12.96		99	Blend	Bag
10-10-10	41616	9.04 *	8.80 *	9.13 *		90 *	Blend	Bag
10-10-10	41662	10.19	9.31	10.33		99	Blend	Bag
10-10-10	41708	9.87	10.12	9.40		98	Blend	Bag
10-10-10	41872	9.59	10.65	9.92		100	Blend	Bag
10-10-10	42129	9.70	10.13	9.29		97	Blend	Bag
10-10-10	42755	10.19	9.34	10.00		99	Blend	Bag
10-10-10	42841	9.81	8.69 *	9.88		95 *	Blend	Bag
10-10-10	42877	9.64	8.41 *	10.17		94 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GREENLEAF PLANT FOOD DANVILLE KY 40423								
10-10-10	42961	9.67	8.18 *	10.13		93 *	Blend	Bag
10-10-10	43482	9.22	8.22 *	10.17		91 *	Blend	Bag
10-10-10	43590	12.09	12.75	14.40		128	Blend	Bulk
10-10-10	43615	8.76 *	7.27 *	9.61		85 *	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 12								
Average Analysis :		9.81	9.32	10.20		97.4		
CV, %		8.5	15.53	13.48				
10-20-10	41698	9.19	16.68 *	11.58		92 *	Blend	Bag
10-20-20	41643	9.79	19.78	19.83		99	Blend	Bag
10-20-20	42753	9.80	18.99	23.11		102	Blend	Bag
10-20-20	42839	9.88	17.58 *	17.93 *		92 *	Blend	Bag
10-20-20	43481	9.59	18.33 *	21.28		97	Blend	Bag
10-20-20	43485	9.31	17.69 *	22.05		96 *	Blend	Bag
Statistical Analysis for Grade : 10-20-20								
Number of Samples This Grade : 5								
Average Analysis :		9.67	18.47	20.84		97.1		
CV, %		2.39	5	9.68				
12-10-11	43171	12.77	10.42	12.97		103	CM	Bulk
12-12-12	41644	13.12	12.37	11.99		105	Blend	Bag
12-12-12	42209	12.31	11.83	11.65		100	Blend	Bag
12-12-12	42840	11.44	9.26 *	12.18		91 *	Blend	Bag
12-12-12	43621	11.40	11.46	12.18		97 *	Blend	Bag
12-24-24	41666	12.42	15.63 *	17.08 *		78 *	Blend	Bag
15-00-27	43169	14.63	0.00	27.61		99	CM	Bulk
15-15-15	41620	14.26	14.36	15.51		98	Blend	Bag
15-15-15	41645	14.80	15.15	14.82		99	Blend	Bag
15-15-15	41663	13.35 *	13.42 *	14.49		91 *	Blend	Bag
15-15-15	41870	14.21	14.50	16.33		99	Blend	Bag
15-15-15	42876	15.57	13.85 *	15.17	*	100	Blend	Bulk
15-15-15	43591	13.82	7.54 *	19.28	*	95 *	Blend	Bulk
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 6								
Average Analysis :		14.33	13.13	15.93		96.9		
CV, %		5.42	21.34	11.04				
16-15-26	43170	16.17	15.97	26.76		101	CM	Bulk
17-00-25	43172	17.14	0.00	24.65		99	CM	Bulk
18-11-14	43166+	18.39	11.28	15.25		101	CM	Bulk
18-46-00	41641	18.43	46.33	0.00		101	Mat	Bulk
19-19-19	41664	18.00	17.92	18.70		95 *	Blend	Bag
19-19-19	41706	19.10	18.34	18.97		99	Blend	Bulk
19-19-19	41707	18.07	19.09	16.97 *		95 *	Blend	Bag
19-19-19	41871	18.64	17.92	19.00		97	Blend	Bag
19-19-19	42130	19.78	19.48	18.95		103	Blend	Bag
19-19-19	42208	19.97	19.34	19.76		104	Blend	Bag
19-19-19	42754	19.15	18.78	19.09		100	Blend	Bag
19-19-19	42875	19.32	17.23 *	20.55		100	Blend	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GREENLEAF PLANT FOOD DANVILLE KY 40423								
19-19-19	42962	19.46	17.97	19.83		100	Blend	Bag
19-19-19	43614	19.13	17.30 *	20.14		99	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 10								
Average Analysis :		19.06	18.34	19.20		99.2		
CV, %		3.44	4.4	5.16				
23-00-30	43167	23.07	0.00	29.39		99	CM	Bulk
23-00-30	43168	22.88	0.00	30.64		101	CM	Bulk
30-0-20	42837	29.97	0.00	21.74		100	CM	Bulk
34-00-00	41639	34.48	0.00	0.00		101	Mat	Bulk
4-10-27	42838	4.93	11.31	28.94		107	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.42	93.91	101.49				
ALL SAMPLES,CV %		6.9	12.38	10.3				
NUMBER OF ANALYSIS		63	59	65				
Deficiency Rate = 41.79 %								
GREENVIEW DIV- LEBANON SEABOARD CO LEBANON PA 17042								
10-16-20	40139+	11.97	9.19 *	19.17		88 *	Mnfr	Bag
30-04-04	41604+	30.63	5.00	5.47		106	Blend	Bag
GRIFFIN INDUSTRIES INC. COLD SPRING KY 41076-1821								
05-06-06	40554+	6.18	8.63	5.25 *		123	Blend	Bag
07-01-14	40553+	7.45	6.23	10.27 *		120	Blend	Bag
08-03-05	40558+	8.30	3.91	4.45 *		106	Blend	Bag
10-02-08	40556+	10.46	2.63	6.69 *		102	Blend	Bag
12-02-06	40557+	11.39	4.59	5.03 *		109	Blend	Bag
21-03-07	40555+	19.29 *	6.63	6.87		107	Blend	Bag
GRO TEC INC. MADISON GA 30650-1821								
00-00-00	42614	0.06	0.05	0.04			Blend	Liq
06-10-10	40894	6.56	11.33	10.67		110	Blend	Bag
06-10-10	43055	6.66	10.57	11.05		109	Blend	Bag
08-12-04	40896	8.33	13.65	3.79		108	Blend	Bag
09-12-12	40895	8.56	12.50	12.63		101	Blend	Bag
09-12-12	43056	9.29	12.46	12.04		103	Blend	Bag
10-06-04	42681	8.97 *	5.48	3.24 *		89 *	Blend	Bag
10-06-08	42615	9.92	5.75	8.92		101	Blend	Bag
10-10-10	40899	11.31	11.58	9.95		111	Blend	Bag
10-10-10	40914	11.72	8.29 *	9.68		101	Blend	Bag
10-10-10	41102	11.29	10.41	9.68		106	Blend	Bag
10-10-10	41116	9.81	9.51	10.19		98	Blend	Bag
10-10-10	41121	9.42	10.08	10.39		99	Blend	Bag
10-10-10	41128	9.82	9.59	10.37		99	Blend	Bag
10-10-10	41390	9.34	10.76	9.96		99	Blend	Bag
10-10-10	41395	9.84	10.01	9.33		98	Blend	Bag
10-10-10	41410	8.31 *	8.54 *	8.52 *		84 *	Blend	Bag
10-10-10	41625	10.54	10.33	10.38		104	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
GRO TEC INC. MADISON GA 30650-1821								
10-10-10	41633	9.54	9.38	10.03		96 *	Blend	Bag
10-10-10	42674	9.56	11.01	10.04		101	Blend	Bag
10-10-10	42810	11.53	7.94 *	6.68 *		92 *	Blend	Bag
10-10-10	42812	10.06	9.77	9.34		98	Blend	Bag
10-10-10	42822	11.87	9.54	10.96		109	Blend	Bag
10-10-10	42901	9.40	9.84	9.29		95 *	Blend	Bag
10-10-10	42905	10.47	8.78 *	10.05		98	Blend	Bag
10-10-10	42910	9.30	9.15	10.87		96 *	Blend	Bag
10-10-10	42913	9.47	8.63 *	9.88		93 *	Blend	Bag
10-10-10	42921	9.98	9.69	10.77		101	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 20								
Average Analysis :		10.13	9.64	9.82		99.0		
CV, %		9.51	9.63	9.61				
13-13-13	40160	12.91	12.40	13.41		99	Blend	Bag
18-24-06	40128+	17.57	21.23 *	6.41		93 *	Blend	Bag
18-24-06	42113+	17.15	23.99	5.61		97	Blend	Bag
18-24-06	42114+	17.25	25.53	6.78		102	Blend	Bag
18-24-06	42365+	16.97	23.13	6.39		96 *	Blend	Bag
18-24-06	42670+	18.02	23.23	6.87		100	Blend	Bag
18-24-06	42679+	16.62	24.24	6.46		97	Blend	Bag
18-24-06	42807+	17.95	23.47	6.24		99	Blend	Bag
18-24-06	42917+	15.87 *	18.93 *	6.97		86 *	Blend	Bag
18-24-06	42918+	17.27	21.18 *	5.59		92 *	Blend	Bag
18-24-06	42922+	17.82	24.09	5.87		100	Blend	Bag
Statistical Analysis for Grade : 18-24-06								
Number of Samples This Grade : 10								
Average Analysis :		17.25	22.90	6.32		96.3		
CV, %		3.82	8.4	7.85				
27-04-06	40159+	27.07	4.21	5.23 *		99	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		104.50	101.92	102.88				
ALL SAMPLES,CV %		29.02	27.51	17.75				
NUMBER OF ANALYSIS		40	40	40				
Deficiency Rate = 35.00 %								
HANCOCK COUNTY FARM HAWESVILLE KY 42348								
00-00-60	41652	0.00	0.00	61.27		102	Mat	Bulk
02-01-02	43281	2.45	2.49	2.65		126	CM	Bulk
09-23-30	43283	8.51	22.20	30.44		98	CM	Bulk
12-12-12	42592	13.80	13.72	14.34		108	CM	Bulk
18-46-00	41651	17.77	46.55	0.00		100	Mat	Bulk
19-04-25	43284	20.78	5.19	24.26		100	CM	Bulk
19-19-19	42590	18.62	20.46	19.28		100	CM	Bulk
19-19-19	42591	19.02	20.02	19.18		100	CM	Bulk
19-19-19	42593	19.36	19.34	18.92		99	CM	Bulk
19-19-19	42594	19.63	18.82	18.85		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
HANCOCK COUNTY FARM HAWESVILLE KY 42348								
19-19-19	43282	17.79 *	23.37	18.35		102	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		18.88	20.40	18.92		100.1		
CV, %		3.81	8.69	1.92				
46-00-00	41650	45.81	0.00	0.00		100	Mat	Bulk
9-23-30	42595	9.64	24.58	28.30 *		102	CM	Bulk
9-9-9	42589	9.25	9.76	10.17		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.04	107.10	102.61				
ALL SAMPLES,CV %		7.85	8.75	10.01				
NUMBER OF ANALYSIS		13	12	12				
Deficiency Rate = 14.29 %								
HARDINSBURG FARM SUPP HARNED KY 40144								
17-17-18	42313	17.96	18.40	17.91		102	CM	Bulk
18-19-18	42314	19.26	19.96	19.06		102	CM	Bulk
19-19-19	42307	19.00	19.58	19.16		99	CM	Bulk
19-19-19	42310	18.90	20.74	21.28		104	CM	Bulk
23-14-18	42309	22.81	14.06	18.72		99	CM	Bulk
24-15-15	42308	23.04	15.09	17.26		98	CM	Bulk
24-15-15	42316	24.06	17.34	15.50		102	CM	Bulk
24-15-16	42312	24.18	16.93	15.60		102	CM	Bulk
25-18-12	42315	24.34	19.75	12.80		100	CM	Bulk
28-12-12	42311	28.60	13.45	13.16		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.03	103.72	102.23				
ALL SAMPLES,CV %		2.14	4.28	4.4				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
HOWARD JOHNSONS INC. MILWAUKEE WI 53204								
08-08-08	40257	5.23 *	4.64 *	10.06		77 *	Blend	Bag
13-13-13	40256	12.10	12.10	15.28		99	Blend	Bag
18-24-12	42376	19.14	23.14	12.83		102	Blend	Bag
IMC USA, INC. LAKE FOREST IL 60045								
00-00-60	41817	0.00	0.00	61.29		102	Mat	Bulk
IRONITE PRODUCTS HUMBOLDT AZ 86329								
12-10-10	42112+	11.69	11.14	9.02 *		100	Blend	Bag
JANES FERT/FARM COLUMBIA KY 42728								
11-17-17	41369	17.60	17.55	18.01		121	CM	Bulk
19-19-19	41372	19.34	20.03	19.12		101	CM	Bulk
19-19-19	42393	20.28	21.36	16.84 *		102	CM	Bulk
19-19-19	42399	19.53	20.03	18.84		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

JANES FERT/FARM COLUMBIA KY 42728								
19-19-19	42400	19.50	20.40	19.07		102	CM	Bulk
26-14-13	42398	26.96	14.28	13.36		100	CM	Bulk
27-13-13	42394	28.19	15.98	11.71 *		104	CM	Bulk
27-13-13	42395	27.03	14.53	12.56		100	CM	Bulk
27-13-13	42396	27.42	13.13	13.19		99	CM	Bulk
27-13-13	42397	27.20	13.54	12.77		99	CM	Bulk
27-13-13	42401	26.66	15.00	13.72		101	CM	Bulk
27-13-13	42402	27.03	14.49	13.17		100	CM	Bulk
Statistical Analysis for Grade : 27-13-13								
Number of Samples This Grade : 6								
Average Analysis :		27.26	14.45	12.85		100.3		
CV, %		1.91	7.07	5.34				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		104.96	104.57	96.60				
ALL SAMPLES,CV %		15.72	5.4	5.33				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 16.67 %								

JEFFERSONVILLE RIVER TERMINAL JEFFERSONVILLE IN 47130								
00-00-60	41308	0.00	0.00	60.39		101	Mat	Bulk
18-46-00	41309	17.77	45.95	0.00		99	Mat	Bulk
34-00-00	40569	33.25	0.00	0.00		98	Mat	Bulk
46-00-00	41310	45.99	0.00	0.00		100	Mat	Bulk

KEES FARM SVC . GRAYSON KY 41143								
00-00-50	42549	0.00	0.00	51.73		103	Mat	Bulk
00-00-60	42548	0.00	0.00	61.30		102	Mat	Bulk
04-12-12	43086	4.93	12.39	12.68		100	CM	Bulk
10-26-25	43091	10.20	26.44	26.23		101	CM	Bulk
18-46-00	42550	17.93	46.59	0.00		101	Mat	Bulk
19-19-19	42555	18.66	20.31	19.77		100	CM	Bulk
19-19-19	42556	18.65	20.12	19.86		100	CM	Bulk
19-19-19	42557	19.16	19.05	19.81		100	CM	Bulk
19-19-19	43084	19.13	18.56	19.65		98	CM	Bulk
19-19-19	43085	18.76	19.69	19.57		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		18.87	19.55	19.73		99.6		
CV, %		1.34	3.75	0.6				
24-15-15	43082	24.39	15.08	15.67		99	CM	Bulk
24-15-15	43083	24.50	14.59	16.02		99	CM	Bulk
25-11-18	43090	24.69	10.67	19.69		100	CM	Bulk
46-00-00	42547	46.16	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

KEES FARM SVC . GRAYSON KY 41143								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.90	99.33	102.04				
ALL SAMPLES,CV %		1.58	3.72	2				
NUMBER OF ANALYSIS		12	11	12				
Deficiency Rate = 0.00 %								

KNOX FERTILIZER CO., INC. KNOX IN 46534								
05-10-05	41262	4.69	8.98 *	4.77		92 *	Blend	Bag
10-06-04	43250	9.68	7.19	4.19		104	Blend	Bag
10-06-04	43252	9.24	6.18	4.45		98	Blend	Bag
10-10-10	42374	10.54	9.69	10.93		104	Blend	Bag
10-10-10	42377	11.87	10.07	11.14		111	Blend	Bag
10-10-10	43251	10.31	11.02	11.28		108	Blend	Bag
15-30-15	40903+	17.35	29.88	16.55		107	Blend	Bag
25-03-03	42379	26.05	3.23	3.63		106	Blend	Bag
27-03-03	40912	27.20	3.35	4.85		105	Blend	Bag
27-03-03	41114+	26.22	3.27	3.70		99	Blend	Bag
27-03-03	41123	27.23	2.83	3.36		101	Blend	Bag
27-03-03	41263+	25.82	3.52	3.30		98	Blend	Bag
27-03-03	42375+	27.54	3.40	3.98		106	Blend	Bag
27-03-03	42378+	27.51	3.24	4.09		106	Blend	Bag
Statistical Analysis for Grade : 27-03-03								
Number of Samples This Grade : 6								
Average Analysis :		26.92	3.27	3.88		102.3		
CV, %		2.68	7.24	14.73				

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.01	105.81	118.02				
ALL SAMPLES,CV %		7.39	8.28	13.97				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate = 7.14 %								

LEBANON SEABOARD LEBANON PA 17042								
11-23-10	42682	11.41	24.08	10.04		104	Blend	Bag
12-03-32	43461+	12.70	3.24	31.64		102	Blend	Bag
25-03-03	42683	24.97	3.55	3.66		102	Blend	Bag
30-03-04	42684+	27.35 *	4.51	7.91		101	Blend	Bag

LESCO INC. CLEVELAND OH 44114-1849								
13-02-05	42123	10.98 *	1.68	5.23		87 *	Blend	Bag
18-24-12	42124	18.96	26.75	12.93		108	Blend	Bag
19-00-06	41627	16.89 *	0.00	6.28		91 *	Blend	Bag
19-03-07	42122	20.23	3.76	10.76		115	Blend	Bag
19-19-19	41630	18.67	19.53	20.14		102	Blend	Bag
24-05-11	41628+	24.71	6.18	11.76		106	Blend	Bag
32-03-08	40137	30.56 *	4.56	9.08	*	104	Blend	Bag
32-03-08	41629+	32.34	5.29	8.87		106	Blend	Bag
32-05-07	40136	31.03	7.31	8.82	*	108	Blend	Bag

00-00-00	42162+	0.00	0.00	0.00		Mat	Bag

MATHIS FARM SUPP. MELBER KY 42069							
00-00-60	40923	0.00	0.00	59.58	99	Mat	Bulk
09-23-30	40455	8.84	23.35	30.43	101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MATHIS FARM SUPP. MELBER KY 42069								
13-15-26	41765	12.98	14.65	28.39		100	CM	Bulk
13-15-26	41766	13.29	14.51	27.62		99	CM	Bulk
13-15-26	41768	13.40	15.12	27.30		100	CM	Bulk
13-15-26	41875	13.48	15.21	27.02		100	CM	Bulk
17-14-19	41767	16.99	14.60	19.43		97	CM	Bulk
18-46-00	40921	17.55	45.54	0.00		98	Mat	Bulk
34-00-00	40922	33.07	0.00	0.00		97	Mat	Bulk
9-23-30	40453	8.23	22.39	31.40		99	CM	Bulk
9-23-30	40454	8.56	22.07	32.23		100	CM	Bulk
9-23-30	40456	8.55	22.87	31.13		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.56	97.91	103.02				
ALL SAMPLES,CV %		2.37	2.13	2.6				
NUMBER OF ANALYSIS		11	10	10				
Deficiency Rate = 0.00 %								
MAYFIELD GRAIN CO. MAYFIELD KY 42066								
00-00-60	40693	0.00	0.00	59.88		100	Mat	Bulk
07-19-25	40287	7.93	20.51	26.99		104	CM	Bulk
09-23-30	40285	8.88	23.69	30.18		101	CM	Bulk
09-23-30	40286	9.00	22.72	30.83		100	CM	Bulk
09-23-30	40288	9.13	24.11	29.92		102	CM	Bulk
09-23-30	40289	8.72	22.82	31.99		102	CM	Bulk
12-19-25	42229	12.71	20.12	25.69		101	CM	Bulk
12-19-25	42230	12.66	20.16	26.08		101	CM	Bulk
18-46-00	40692	17.95	46.84	0.00		101	Mat	Bulk
34-00-00	40690	34.50	0.00	0.00		101	Mat	Bulk
46-00-00	40691	45.93	0.00	0.00		100	Mat	Bulk
9-23-30	41524	8.98	23.36	28.90		99	CM	Bulk
9-23-30	41525	9.07	23.17	29.11		99	CM	Bulk
9-23-30	41526	9.18	23.49	31.08		103	CM	Bulk
9-23-30	42231	9.35	23.71	29.50		101	CM	Bulk
9-23-30	42232	9.07	23.03	30.32		101	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		9.13	23.35	29.78		100.7		
CV, %		1.55	1.14	3.04				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.66	101.82	100.94				
ALL SAMPLES,CV %		1.66	1.73	2.95				
NUMBER OF ANALYSIS		15	13	13				
Deficiency Rate = 0.00 %								
MAYSLICK MILL MAYSLICK KY 41055								
0-0-49	42213+	0.00	0.00	49.93		101	CM	Bulk
0-0-51	42214+	0.00	0.00	51.73		100	CM	Bulk
04-10-41	43119+	4.09	9.98	42.32		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MAYSLICK MILL MAYSLICK KY 41055								
10-09-14	43115	10.65	9.67	14.01		100	CM	Bulk
13-00-20	43120	13.69	0.00	22.19		104	CM	Bulk
16-0-30	42215	16.46	0.00	30.76		100	CM	Bulk
16-12-18	43118	17.43	11.93	18.37		99	CM	Bulk
2-6-44	42211+	2.89	6.78	43.08		99	CM	Bulk
21-09-14	43114	20.98	9.00	15.45		102	CM	Bulk
21-09-14	43117	22.09	8.86	13.71		100	CM	Bulk
22-00-20	43116	22.56	0.00	21.04		102	CM	Bulk
3-9-40	42212+	3.86	8.82	41.35		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.79	96.17	101.00				
ALL SAMPLES,CV %		3.64	3.4	3.68				
NUMBER OF ANALYSIS		10	7	12				
Deficiency Rate = 0.00 %								
MCGREW FARM CENTER SMITHLAND KY 42081								
09-23-30	40367	8.82	22.61	31.72		101	CM	Bulk
10-26-26	43423	10.11	25.41	27.04		100	CM	Bulk
11-00-39	43422	10.57	0.00	40.68		100	CM	Bulk
15-17-22	42386	16.45	18.09	21.27		104	CM	Bulk
28-9-12	41676	28.51	10.29	13.48		103	CM	Bulk
MILES FARM CENTER (CYN) CYNTHIANA KY 41031								
00-15-40	43000	0.00	16.30	39.87		102	CM	Bulk
04-11-45	42999	4.46	10.75	45.95		100	CM	Bulk
08-17-26	43113	8.75	17.51	28.12		101	CM	Bulk
10-08-12	43138	10.97	7.67	12.68		103	CM	Bulk
11-00-14	43141	11.91	0.00	14.54		101	CM	Bulk
11-24-00	43253	25.31	24.03	0.00		149	CM	Bulk
12-30-20	42830	12.37	30.77	22.44		104	CM	Bulk
13-00-11	43112	13.54	0.00	11.50		101	CM	Bulk
13-05-11	43254	13.53	5.27	11.76		103	CM	Bulk
16-11-15	43001	16.19	11.96	16.44		102	CM	Bulk
22-03-15	43140	23.27	3.31	15.25		102	CM	Bulk
22-13-05	43139	22.75	13.37	6.64		103	CM	Bulk
23-00-17	43137	24.45	0.00	16.82		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		111.09	99.91	105.33				
ALL SAMPLES,CV %		33.22	3.89	5.67				
NUMBER OF ANALYSIS		12	10	12				
Deficiency Rate = 0.00 %								
MILES FARM CENTER (EKR) EKRON KY 40117								
17-17-17	41136	16.96	18.72	17.82		102	CM	Bulk
17-17-18	41137	18.35	18.92	18.60		103	CM	Bulk
18-18-18	41797	17.96	18.92	19.44		101	CM	Bulk
18-19-19	41132	17.93	20.37	20.35		101	CM	Bulk
19-19-19	41791	20.45	21.13	17.33 *		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (EKR) EKRON KY 40117								
19-19-19	41795	18.78	19.20	19.77		100	CM	Bulk
19-19-19	41798	19.20	20.00	19.97		101	CM	Bulk
20-18-18	41792	20.00	19.38	18.63		100	CM	Bulk
23-12-20	41796	21.95	13.17	21.82		101	CM	Bulk
8-22-30	41793	9.48	23.50	29.79		102	CM	Bulk
8-22-30	41794	8.95	22.94	30.66		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.14	104.55	102.22				
ALL SAMPLES,CV %		3.83	2.93	4.84				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
MILES FARM CENTER (LEB) LEBANON KY 40033								
16-15-20	41933	16.00	15.73	21.81		101	CM	Bulk
19-19-19	41930	19.44	20.26	18.58		101	CM	Bulk
19-19-19	41931	18.49	19.96	20.06		100	CM	Bulk
27-11-15	41929	26.19	12.81	15.34		100	CM	Bulk
27-11-15	41932	28.37	13.25	13.54 *		103	CM	Bulk
27-11-15	41934	27.73	13.33	13.69 *		102	CM	Bulk
27-11-15	41935	28.06	12.95	14.69		103	CM	Bulk
27-11-15	41936	27.20	12.37	15.32		101	CM	Bulk
27-11-15	41937	26.90	11.68	14.97		99	CM	Bulk
Statistical Analysis for Grade : 27-11-15								
Number of Samples This Grade : 6								
Average Analysis :		27.41	12.73	14.59		101.4		
CV, %		2.94	4.86	5.46				
32-8-11	41988	31.15	12.40	9.65 *		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.60	111.96	97.57				
ALL SAMPLES,CV %		2.91	11.01	6.71				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 30.00 %								
MILES FARM CENTER (SAC) SACRAMENTO KY 42372								
0-23-30	40415	0.00	23.96	30.65		103	CM	Bulk
0-23-30	40417	0.00	25.03	30.15		105	CM	Bulk
0-23-30	40418	0.00	24.76	31.19		106	CM	Bulk
0-23-30	40419	0.00	23.28	32.46		104	CM	Bulk
0-23-30	40429	0.00	23.71	30.47		102	CM	Bulk
0-23-30	40430	0.00	24.80	29.50		104	CM	Bulk
0-23-30	40431	0.00	22.65	31.71		102	CM	Bulk
0-23-30	40432	0.00	24.17	29.41		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (SAC) SACRAMENTO KY 42372								
Statistical Analysis for Grade : 0-23-30								
Number of Samples This Grade : 8								
Average Analysis :		0.00	24.04	30.69		103.6		
CV, %		0	3.41	3.44				
11-28-22	42977	10.77	27.22	24.02		98	CM	Bulk
4-12-16	40416	5.62	13.27	17.25		106	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		104.34	103.54	102.92				
ALL SAMPLES,CV %		11.67	4.27	3.33				
NUMBER OF ANALYSIS		2	10	10				
Deficiency Rate = 0.00 %								
MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
05-10-15	41240	4.51 *	9.10 *	14.56		94 *	Blend	Bag
05-10-15	42104	4.49 *	8.97 *	14.33		93 *	Blend	Bag
05-10-15	42175	4.41 *	8.80 *	14.26		92 *	Blend	Bag
05-10-15	42895	5.05	9.82	16.32		105	Blend	Bulk
05-10-15	42989	4.13 *	8.33 *	14.78		92 *	Blend	Bag
05-10-15	43267	4.43 *	8.74 *	14.73		94 *	Blend	Bag
05-10-15	43372	4.16 *	8.36 *	15.63		95 *	Blend	Bag
05-10-15	43488	4.18 *	8.66 *	15.60		96 *	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 8								
Average Analysis :		4.42	8.85	15.02		94.9		
CV, %		6.71	5.36	4.91				
05-20-20	41610	5.17	19.19	17.04 *		93 *	Blend	Bag
05-20-20	43524	4.19 *	19.38	18.21 *		93 *	Blend	Bag
06-12-12	41608	5.69	11.39	12.00		96 *	Blend	Bag
06-24-24	41239	5.26 *	25.08	23.42		99	Blend	Bag
06-24-24	41657	5.72	25.06	22.76		100	Blend	Bag
06-24-24	42987	5.76	24.53	23.33		99	Blend	Bag
06-24-24	43009	5.57	23.94	25.09		100	Blend	Bag
06-24-24	43156	5.09 *	23.77	24.81		98	Blend	Bag
06-24-24	43186	6.60	24.78	22.96		102	Blend	Bag
06-24-24	43521	5.65	24.12	23.81		99	Blend	Bag
Statistical Analysis for Grade : 06-24-24								
Number of Samples This Grade : 7								
Average Analysis :		5.66	24.47	23.74		99.6		
CV, %		8.52	2.18	3.78				
07-07-11	43233	8.10	8.25	11.22		98	CM	Bulk
07-18-31	42896+	6.71	17.27	32.67		99	CM	Bulk
07-18-31	42897+	6.88	17.59	32.07		100	CM	Bulk
09-18-27	43266	8.37	16.06 *	28.56		99	Blend	Bag
10-10-10	41237	10.37	9.79	9.42		100	Blend	Bag
10-10-10	41333	8.95 *	8.71 *	9.55		90 *	Blend	Bag
10-10-10	41540	10.20	10.38	10.23		103	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
10-10-10	41603	9.21	9.22	9.73		93 *	Blend	Bag
10-10-10	41607	8.11 *	8.01 *	9.07 *		83 *	Blend	Bag
10-10-10	41659	10.68	9.84	10.18		103	Blend	Bag
10-10-10	41784	9.23	8.21 *	9.48		90 *	Blend	Bag
10-10-10	42044	7.12 *	7.16 *	9.15 *		76 *	Blend	Bag
10-10-10	42105	8.66 *	8.76 *	9.60		89 *	Blend	Bag
10-10-10	42176	8.50 *	8.91 *	9.63		89 *	Blend	Bag
10-10-10	42246	7.97 *	8.27 *	9.31		84 *	Blend	Bag
10-10-10	42873	8.82 *	8.57 *	9.58		89 *	Blend	Bag
10-10-10	42889	8.84 *	8.55 *	9.05 *		88 *	Blend	Bag
10-10-10	42985	9.38	9.18	10.05		95 *	Blend	Bag
10-10-10	43008	8.22 *	8.78 *	9.86		88 *	Blend	Bag
10-10-10	43185	7.91 *	8.83 *	9.00 *		85 *	Blend	Bag
10-10-10	43269	8.02 *	7.76 *	9.42		83 *	Blend	Bag
10-10-10	43456	7.85 *	8.19 *	9.57		84 *	Blend	Bag
10-10-10	43519	8.77 *	8.66 *	9.02 *		88 *	Blend	Bag
10-10-10	43523	10.02	10.80	10.47		104	Blend	Bag
10-10-10	43576	8.90 *	8.83 *	9.78		91 *	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 21								
Average Analysis :		8.84	8.83	9.58		90.1		
CV, %		10.39	9.62	4.34				
10-20-20	41602	9.44	18.92	19.41		95 *	Blend	Bag
10-20-20	43462	10.38	20.37	19.14		101	Blend	Bag
12-12-12	40135	12.15	12.49	11.95		102	Blend	Bag
12-12-12	40637	10.24 *	10.43 *	12.05		90 *	Blend	Bag
12-12-12	42990	10.02 *	10.48 *	11.48		88 *	Blend	Bag
12-24-24	41609	11.87	23.39	24.06		99	Blend	Bag
13-13-13	43155	11.42 *	11.32 *	13.39		91 *	Blend	Bag
14-00-34	42894	14.22	0.00	34.29		99	CM	Bulk
15-15-15	40003	15.13	15.82	15.84		104	Blend	Bag
15-15-15	41783	15.15	14.27	14.51		98	Blend	Bag
15-15-15	42984	13.51 *	12.86 *	15.08		91 *	Blend	Bag
15-15-15	43007	12.93 *	13.97	15.38		92 *	Blend	Bag
15-15-15	43572	14.89	15.27	15.37		101	Blend	Bag
15-15-15	43573	13.48 *	13.91 *	16.13		97	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 6								
Average Analysis :		14.18	14.35	15.38		97.2		
CV, %		6.95	7.36	3.69				
19-19-19	41238	18.17	18.70	19.25		98	Blend	Bag
19-19-19	41606	17.01 *	18.38	21.66		97	Blend	Bag
19-19-19	41658	17.72	18.39	21.75		99	Blend	Bag
19-19-19	42103	18.61	20.08	18.61		100	Blend	Bag
19-19-19	42174	18.06	19.76	20.12		100	Blend	Bag
19-19-19	42874	18.48	18.80	20.05		100	Blend	Bag
19-19-19	42964	18.22	20.13	18.66		100	Blend	Bag
19-19-19	42986	17.72	18.50	20.48		98	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM CENTER (SHEL) SHELBYVILLE KY 40065								
19-19-19	42991	18.63	18.59	18.92		98	Blend	Bag
19-19-19	43268	18.71	19.15	18.41		99	Blend	Bag
19-19-19	43518	17.56	18.49	20.97		98	Blend	Bag
19-19-19	43522	18.55	18.91	19.38		99	Blend	Bag
19-19-19	43525	18.38	20.39	17.96		100	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 13								
Average Analysis :		18.14	19.10	19.71		99.0		
CV, %		2.81	3.83	6.28				
20-10-10	41601	17.80 *	8.98 *	10.78		92 *	Blend	Bag
20-10-10	42302	20.10	9.95	10.05		100	CM	Bulk
20-10-10	43520	19.32	9.46	9.32		96 *	Blend	Bag
21-00-00	42884+	21.28	0.00	0.00		101	Mat	Bag
26-9-16	41177	27.76	9.72	15.44		102	CM	Bulk
26-9-16	41178	26.56	9.62	16.78		101	CM	Bulk
27-0-24	42301	27.26	0.00	24.68		100	CM	Bulk
27-13-13	42303	26.17	12.86	15.94		99	CM	Bulk
29-07-15	43234	29.26	7.93	15.83		100	CM	Bulk
34-00-00	42765	34.36	0.00	0.00		101	Mat	Bulk
34-00-00	42883	34.07	0.00	0.00		100	Mnfr	Bag
9-23-30	41186	8.73	23.36	29.83		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		93.12	94.56	99.61				
ALL SAMPLES,CV %		8.05	8.45	5.89				
NUMBER OF ANALYSIS		82	77	79				
Deficiency Rate = 48.78 %								
MILES FARM SUPPLY (OWEN) OWENSBORO KY 42301								
0-15-40	40440	0.00	15.81	40.34		102	CM	Bulk
0-15-40	40441	0.00	16.51	39.20		102	CM	Bulk
00-00-00	42040+	0.00	0.00	0.00			Mat	Bulk
00-00-22	41066+	0.00	0.00	22.49		102	Mat	Bulk
00-00-22	42870+	0.00	0.00	22.21		101	Mat	Bulk
00-00-50	41181	0.00	0.00	49.10		98	Mat	Bulk
00-00-50	41906	0.00	0.00	50.78		102	Mat	Bulk
00-00-50	42028	0.00	0.00	51.08		102	Mat	Bulk
00-00-50	42042	0.00	0.00	51.53		103	Mat	Bulk
00-00-50	42111	0.00	0.00	51.77		104	Mat	Bulk
00-00-50	42189	0.00	0.00	50.91		102	Mat	Bulk
00-00-50	42220	0.00	0.00	51.61		103	Mat	Bulk
00-00-50	42871	0.00	0.00	51.84		104	Mat	Bulk
00-00-50	42885	0.00	0.00	50.85		102	Mat	Bulk
00-00-50	42967	0.00	0.00	50.30		101	Mat	Bulk
00-00-50	43049	0.00	0.00	51.20		102	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM SUPPLY (OWEN) OWENSBORO KY 42301								
Statistical Analysis for Grade : 00-00-50								
Number of Samples This Grade : 11								
Average Analysis :		0.00	0.00	51.00		102.0		
CV, %		0	0	1.54				
00-00-60	40134	0.00	0.00	60.62		101	Mat	Bulk
00-00-60	40166	0.00	0.00	60.58		101	Mat	Bulk
00-00-60	40223	0.00	0.00	61.75		103	Mat	Bulk
00-00-60	40630	0.00	0.00	61.39		102	Mat	Bulk
00-00-60	40668	0.00	0.00	60.10		100	Mat	Bulk
00-00-60	40684	0.00	0.00	59.32		99	Mat	Bulk
00-00-60	40727	0.00	0.00	60.83		101	Mat	Bulk
00-00-60	40735	0.00	0.00	59.84		100	Mat	Bulk
00-00-60	40808	0.00	0.00	61.04		102	Mat	Bulk
00-00-60	40856	0.00	0.00	61.37		102	Mat	Bulk
00-00-60	40957	0.00	0.00	61.07		102	Mat	Bulk
00-00-60	40982	0.00	0.00	60.97		102	Mat	Bulk
00-00-60	41070	0.00	0.00	60.93		102	Mat	Bulk
00-00-60	41133	0.00	0.00	61.16		102	Mat	Bulk
00-00-60	41155	0.00	0.00	60.71		101	Mat	Bulk
00-00-60	41179	0.00	0.00	59.97		100	Mat	Bulk
00-00-60	41490	0.00	0.00	60.55		101	Mat	Bulk
00-00-60	41592	0.00	0.00	60.69		101	Mat	Bulk
00-00-60	41742	0.00	0.00	60.82		101	Mat	Bulk
00-00-60	41902	0.00	0.00	61.22		102	Mat	Bulk
00-00-60	41986	0.00	0.00	60.89		101	Mat	Bulk
00-00-60	42032	0.00	0.00	61.82		103	Mat	Bulk
00-00-60	42047	0.00	0.00	61.35		102	Mat	Bulk
00-00-60	42048	0.00	0.00	62.00		103	Mat	Bulk
00-00-60	42362	0.00	0.00	61.29		102	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 25								
Average Analysis :		0.00	0.00	60.89		101.5		
CV, %		0	0	1.02				
00-20-20	42988	0.00	19.85	19.15		98	Blend	Bag
00-45-00	41180	0.00	46.60	0.00		104	Mat	Bulk
00-45-00	42108	0.00	46.26	0.00		103	Mat	Bulk
03-00-00	42041+	3.00	0.00	0.00		100	Mat	Bulk
04-12-25	40263	5.28	12.31	26.38		103	CM	Bulk
04-12-25	40264	5.21	12.47	24.37		100	CM	Bulk
06-15-20	40304	6.23	15.26	20.41		99	CM	Bulk
06-15-20	40305	6.34	15.60	21.68		102	CM	Bulk
10-22-28	42525	10.12	21.53	29.85		99	CM	Bulk
10-22-28	42526	9.70	20.84	30.99		99	CM	Bulk
10-25-25	40306	9.80	26.39	24.76		101	CM	Bulk
10-25-25	40433+	9.88	26.49	26.16		102	CM	Bulk
10-25-25	40434+	10.09	25.94	26.04		101	CM	Bulk
11-52-00	40225	11.06	52.33	0.00		101	Mat	Bulk
11-52-00	40686	11.50	52.36	0.00		102	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM SUPPLY (OWEN) OWENSBORO KY 42301								
11-52-00	40807	11.29	52.47	0.00		101	Mat	Bulk
11-52-00	41904	11.19	52.40	0.00		101	Mat	Bulk
11-52-00	42030	11.15	51.48	0.00		100	Mat	Bulk
11-52-00	42872	11.47	51.79	0.00		101	Mat	Bulk
Statistical Analysis for Grade : 11-52-00								
Number of Samples This Grade : 6								
Average Analysis :		11.28	52.14	0.00		100.8		
CV, %		1.58	0.78	0				
18-46-00	40133	17.52	45.98	0.00		99	Mat	Bulk
18-46-00	40165	17.49	45.67	0.00		99	Mat	Bulk
18-46-00	40224	17.78	46.08	0.00		97	Mat	Bulk
18-46-00	40629	17.11	46.64	0.00		99	Mat	Bulk
18-46-00	40667	17.64	46.31	0.00		100	Mat	Bulk
18-46-00	40687	18.00	46.91	0.00		101	Mat	Bulk
18-46-00	40736	17.64	45.95	0.00		99	Mat	Bulk
18-46-00	40783	17.82	45.92	0.00		100	Mat	Bulk
18-46-00	40809	17.73	45.38	0.00		99	Mat	Bulk
18-46-00	40855	18.00	46.23	0.00		100	Mat	Bulk
18-46-00	40956	17.77	45.75	0.00		99	Mat	Bulk
18-46-00	40979	17.81	45.93	0.00		100	Mat	Bulk
18-46-00	41134	18.18	45.91	0.00		100	Mat	Bulk
18-46-00	41156	17.57	46.18	0.00		99	Mat	Bulk
18-46-00	41184	17.77	45.76	0.00		99	Mat	Bulk
18-46-00	41590	18.29	45.92	0.00		100	Mat	Bulk
18-46-00	41741	18.61	46.38	0.00		102	Mat	Bulk
18-46-00	41905	18.21	46.19	0.00		101	Mat	Bulk
18-46-00	41939	18.17	46.09	0.00		100	Mat	Bulk
18-46-00	42033	18.60	45.94	0.00		101	Mat	Bulk
18-46-00	42043	18.20	46.02	0.00		100	Mat	Bulk
18-46-00	42046	18.06	45.97	0.00		100	Mat	Bulk
18-46-00	42050	18.20	45.98	0.00		100	Mat	Bulk
18-46-00	42107	17.89	46.18	0.00		100	Mat	Bulk
18-46-00	42188	18.05	46.60	0.00		101	Mat	Bulk
18-46-00	42349	17.65	46.52	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 26								
Average Analysis :		17.91	46.09	0.00		99.9		
CV, %		1.93	0.71	0				
20-10-10	43457	19.87	8.73 *	10.69		98	Blend	Bag
21-00-00	42027+	20.98	0.00	0.00		100	Mat	Bulk
24-05-11	43010+	23.09	4.76	11.33		97	Blend	Bag
28-00-00	41162	28.00	0.00	0.00		100	Mat	Liq
28-00-00	42853	28.23	0.00	0.00		101	Mat	Liq
28-00-00	42976	28.00	0.00	0.00		100	Mat	Liq
28-00-00	43606	28.75	0.00	0.00		103	Mat	Liq
30-00-00	41161	30.00	0.00	0.00		100	Mat	Liq
32-00-00	43242	32.06	0.00	0.00		100	Mat	Liq
33-00-00	41154	34.34	0.00	0.00		104	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

MILES FARM SUPPLY (OWEN) OWENSBORO KY 42301								
33-00-00	41987	32.66	0.00	0.00		99	Mat	Bulk
33-00-00	42031	33.81	0.00	0.00		102	Mat	Bulk
34-00-00	40734	33.36	0.00	0.00		98	Mat	Bulk
34-00-00	40810	34.01	0.00	0.00		100	Mat	Bulk
34-00-00	40981	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	41065	34.04	0.00	0.00		100	Mat	Bulk
34-00-00	41069	34.14	0.00	0.00		102	Mat	Bulk
34-00-00	41182	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	41738	33.71	0.00	0.00		99	Mat	Bulk
34-00-00	42110	34.39	0.00	0.00		101	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 8								
Average Analysis :		34.08	0.00	0.00		100.4		
CV, %		1.17	0	0				
46-00-00	40164	46.14	0.00	0.00		100	Mat	Bulk
46-00-00	40631	45.73	0.00	0.00		99	Mat	Bulk
46-00-00	40666	45.21	0.00	0.00		98	Mat	Bulk
46-00-00	40685	45.94	0.00	0.00		100	Mat	Bulk
46-00-00	40737	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	40854	45.73	0.00	0.00		99	Mat	Bulk
46-00-00	40955	45.79	0.00	0.00		100	Mat	Bulk
46-00-00	40980	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	41064	46.11	0.00	0.00		100	Mat	Bulk
46-00-00	41071	45.86	0.00	0.00		100	Mat	Bulk
46-00-00	41135	45.76	0.00	0.00		99	Mat	Bulk
46-00-00	41157	46.11	0.00	0.00		100	Mat	Bulk
46-00-00	41185	46.04	0.00	0.00		100	Mat	Bulk
46-00-00	41491	45.94	0.00	0.00		100	Mat	Bulk
46-00-00	41591	45.87	0.00	0.00		100	Mat	Bulk
46-00-00	41740	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	41903	46.07	0.00	0.00		100	Mat	Bulk
46-00-00	41938	46.08	0.00	0.00		100	Mat	Bulk
46-00-00	42029	45.53	0.00	0.00		99	Mat	Bulk
46-00-00	42039	45.78	0.00	0.00		100	Mat	Bulk
46-00-00	42045	45.54	0.00	0.00		99	Mat	Bulk
46-00-00	42049	45.83	0.00	0.00		100	Mat	Bulk
46-00-00	42053	45.59	0.00	0.00		99	Mat	Bulk
46-00-00	42109	45.90	0.00	0.00		100	Mat	Bulk
46-00-00	42348	46.16	0.00	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 25								
Average Analysis :		45.87	0.00	0.00		99.7		
CV, %		0.51	0	0				

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILES FARM SUPPLY (OWEN) OWENSBORO KY 42301								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.07	99.99	101.77				
ALL SAMPLES,CV %		2.27	2.72	2.13				
NUMBER OF ANALYSIS		87	48	52				
Deficiency Rate = 0.76 %								
MILES FARM SUPPLY (UPT) UPTON KY 42784								
10-10-15	43237+	9.76	10.36	16.64		101	CM	Bulk
10-25-25	41560	10.25	25.37	25.98		100	CM	Bulk
13-34-14	41559	13.25	33.58	15.69		100	CM	Bulk
15-15-15	41557	15.88	15.96	16.69		107	CM	Bulk
19-09-27	43235	18.51	8.75	27.87		98	CM	Bulk
19-19-19	41555	18.80	20.46	19.23		101	CM	Bulk
19-19-19	41556	19.77	19.61	18.85		101	CM	Bulk
19-19-19	41558	18.96	19.02	20.04		99	CM	Bulk
19-19-19	41561	18.74	19.76	20.11		101	CM	Bulk
19-19-19	41563	18.73	19.63	20.61		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		19.00	19.70	19.77		100.4		
CV, %		2.32	2.61	3.61				
20-12-19	43236	18.93	12.37	20.91		100	CM	Bulk
21-11-20	41562	21.62	12.18	21.32		100	CM	Bulk
27-13-13	41554	26.35	14.48	14.41		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.41	100.61	103.87				
ALL SAMPLES,CV %		3.15	4.03	3.69				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
MILLERSBURG FERT. CO. MILLERSBURG KY 40348								
15-08-14	43391	14.70	7.54	16.49	*	102	CM	Bulk
15-08-14	43392	13.99	7.79	16.60		101	CM	Bulk
15-09-15	43324	14.42	9.61	14.12		97	CM	Bulk
15-09-15	43325	14.50	9.63	13.42 *		95 *	CM	Bulk
15-09-15	43326	14.13	8.74	15.94		100	CM	Bulk
15-09-15	43327	14.02	8.23	13.77 *		92 *	CM	Bulk
15-09-15	43328	11.79 *	6.97 *	11.72 *	*	78 *	CM	Bulk
15-09-15	43329	12.98 *	9.46	13.04 *		90 *	CM	Bulk
Statistical Analysis for Grade : 15-09-15								
Number of Samples This Grade : 6								
Average Analysis :		13.64	8.77	13.67		92.2		
CV, %		7.75	11.91	10.16				
20-12-20	43330	20.15	12.61	17.99 *		97	CM	Bulk
20-12-20	43331	19.15	11.73	19.90	*	98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
MILLERSBURG FERT. CO. MILLERSBURG KY 40348								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		93.13	97.69	95.99				
ALL SAMPLES,CV %		6.77	9.35	11.64				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 50.00 %								
MIRACLE GRO LAWN PRODUCTS MARYSVILLE OH 43041								
09-17-09	42363	10.17	18.89	9.31		110	Blend	Bag
09-17-09	43059	10.23	18.59	9.81		111	Blend	Bag
28-03-03	40901	27.59	2.94	3.37		99	Blend	Bag
28-03-03	42367	30.86	3.46	2.45 *		109	Blend	Bag
28-03-03	42813	28.18	3.36	3.59		102	Blend	Bag
28-03-03	42821	27.93	2.99	3.82		101	Blend	Bag
29-03-04	40900	30.17	3.59	5.03		106	Blend	Bag
29-03-04	41104	27.91	3.61	4.27		98	Blend	Bag
29-03-04	41117	29.58	3.24	3.85		102	Blend	Bag
29-03-04	41120	27.97	3.61	4.37		99	Blend	Bag
29-03-04	41268	28.91	3.51	4.22		101	Blend	Bag
29-03-04	41394	28.92	3.19	3.94		100	Blend	Bag
29-03-04	41401	29.80	3.17	3.92		103	Blend	Bag
29-03-04	41409	28.49	3.37	4.07		99	Blend	Bag
29-03-04	41623	30.80	3.28	3.79		106	Blend	Bag
29-03-04	41631	30.04	3.16	4.83		105	Blend	Bag
Statistical Analysis for Grade : 29-03-04								
Number of Samples This Grade : 10								
Average Analysis :		29.26	3.37	4.23		102.0		
CV, %		3.33	5.63	9.86				
30-03-04	42119	29.34	3.30	4.52		99	Blend	Bag
30-03-04	43053	31.24	3.17	4.20		104	Mnfr	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.59	110.30	107.14				
ALL SAMPLES,CV %		5.14	5.91	10.86				
NUMBER OF ANALYSIS		18	18	18				
Deficiency Rate = 5.56 %								
NA-CHURS/ALPINE SOLUTIONS MARION OH 43302-9989								
07-24-04	42306+	6.84	24.04	4.53		101	Mnfr	Liq
OLDFIELD, J.A. & SON MIZE KY 41352								
00-00-50	42082	0.00	0.00	51.58		103	Mat	Bulk
00-00-60	42079	0.00	0.00	61.93		103	Mat	Bulk
00-20-20	42076	0.00	20.37	20.09		101	Blend	Bag
00-20-20	43594+	0.00	20.07	20.69		102	CM	Bulk
00-46-00	42083	0.00	46.31	0.00		101	Mat	Bulk
03-06-09	43265	19.24	7.12	10.21		189	CM	Bulk
05-10-15	43260	5.23	10.85	14.70		102	Blend	Bag
05-10-15	43264	5.30	10.27	15.26		103	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

OLDFIELD, J.A. & SON MIZE KY 41352								
05-20-20	42073	5.35	21.48	19.60		104	Blend	Bag
05-20-20	43259	4.63	18.75	20.30		96 *	Blend	Bag
06-12-12	42205	6.29	11.76	12.49		102	Blend	Bag
08-17-26	43593	9.22	17.23	28.10		102	CM	Bulk
09-18-27	42075	9.54	18.36	26.68		101	Blend	Bag
09-18-27	43262	8.84	18.09	26.86		100	Blend	Bag
10-08-12	43255	10.90	8.97	13.17		102	CM	Bag
10-08-13	43256	11.25	8.72	12.49		101	CM	Bulk
10-10-10	42070	9.50	10.46	10.00		99	Blend	Bag
10-10-10	42204	10.96	11.56	9.25		108	Blend	Bag
10-10-10	43263	9.03 *	8.82 *	10.73		94 *	Blend	Bag
11-00-13	43379	11.62	0.00	14.32		107	CM	Bulk
12-12-12	42074	12.12	12.15	11.77		100	Blend	Bag
12-12-12	43261	11.91	11.37	11.90		98	Blend	Bag
13-07-11	43258	14.56	7.83	11.05		100	CM	Bulk
14-10-15	43378	14.04	10.11	16.05		100	CM	Bulk
14-12-18	43380	14.26	12.09	19.79	*	101	CM	Bulk
15-00-12	43592	14.92	0.00	12.90		100	CM	Bulk
18-46-00	42080	17.68	45.88	0.00		99	Mat	Bulk
19-19-19	42071	18.52	19.74	19.53		101	Blend	Bag
19-19-19	42072	18.44	19.44	19.57		100	Blend	Bag
22-09-14	43257	22.07	10.05	15.12		101	CM	Bulk
46-00-00	42078	45.35	0.00	0.00		99	Mat	Bulk
46-00-00	42081	45.82	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		118.23	101.20	101.39				
ALL SAMPLES,CV %		77.82	5.24	3.66				
NUMBER OF ANALYSIS		27	26	28				
Deficiency Rate = 6.25 %								

PADUCAH AG SERVICES PADUCAH KY 42001								
08-22-29	40329	9.26	22.82	31.83		103	CM	Bulk
15-17-22	42382	16.86	16.16	21.92		101	CM	Bulk
15-17-22	42383	17.18	16.66	22.11		103	CM	Bulk
15-17-22	42384	17.01	16.38	21.63		102	CM	Bulk
15-17-22	42385	17.05	16.54	21.67		102	CM	Bulk

PARRISH SHOP/SALES HENDERSON KY 42420								
11-6-20	42696	11.85	7.89	19.96		101	CM	Liq
17-8-10	42698	17.10	7.84	11.90		100	CM	Liq
19-7-7	42700	19.20	7.63	9.83		101	CM	Liq
20-6-7	42699	19.86	6.46	9.89		100	CM	Liq
5-14-19	42697	5.44	13.48 *	20.95		98	CM	Liq

PLATTE CHEMICAL GREELEY CO 80632								
07-14-07	43069	7.16	13.86	7.65		102	Mnfr	Liq

PLEASANT VIEW FARMS AUBURN KY 42206								
14-19-25	41461	14.18	20.40	26.60		102	CM	Bulk
14-20-21	41462	14.69	20.36	22.54		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
PLEASANT VIEW FARMS AUBURN KY 42206								
17-15-20	41913	17.44	15.31	20.23		101	CM	Bulk
17-17-17	41912	17.84	17.11	18.46		100	CM	Bulk
17-17-17	42433	16.87	19.14	17.64		100	CM	Bulk
17-17-17	42435	17.05	18.68	17.94		100	CM	Bulk
21-15-20	42434	20.30	15.99	20.50		99	CM	Bulk
21-23-13	41463	20.33	23.95	14.08		99	CM	Bulk
21-24-12	41458	20.97	24.92	12.93		100	CM	Bulk
29-27-0	41914	28.37	28.84	0.00		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.49	102.38	103.07				
ALL SAMPLES,CV %		2.35	3.45	2.38				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate = 0.00 %								
POORE, C D FERTILIZER ALBANY KY 42602								
00-00-60	40777	0.00	0.00	60.41		101	Mat	Bulk
10-10-10	43041	10.20	10.33	10.41		103	Blend	Bag
16-16-16	41512	16.77	16.77	18.21		105	CM	Bulk
16-17-16	41507+	16.73	16.37	17.13		98	CM	Bulk
17-17-17	41508	17.22	17.72	18.64		100	CM	Bulk
18-46-00	40773	18.20	47.22	0.00		102	Mat	Bulk
19-19-19	41511	18.88	18.84	19.93		101	CM	Bulk
19-19-19	41514	18.76	19.24	19.62		101	CM	Bulk
19-19-19	43042	18.33	18.33	20.69		99	Blend	Bag
21-00-00	40775+	21.45	0.00	0.00		102	Mat	Bulk
24-9-9	41510+	24.23	9.29	9.84		98	CM	Bulk
30-10-10	41513	31.59	10.25	10.45		100	CM	Bulk
33-0-0	41509+	33.19	0.00	0.00		99	CM	Bulk
34-00-00	40776	33.60	0.00	0.00		99	Mat	Bulk
46-00-00	40774	45.99	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.71	99.10	103.55				
ALL SAMPLES,CV %		2.05	3.57	4.42				
NUMBER OF ANALYSIS		14	10	10				
Deficiency Rate = 0.00 %								
PURSELL INDUSTRIES SYLACAUGA AL 35150								
12-10-05	41594+	14.38	12.29	5.24		119	Blend	Bag
13-13-13	42863	14.23	12.26	13.56		103	Mnfr	Bag
15-05-13	41593+	13.25 *	6.52	13.01		97	Blend	Bag
18-24-10	42329+	18.81	22.89	10.85		101	Blend	Bag
28-03-03	40905	30.52	2.85	3.11		108	Blend	Bag
28-03-03	40906	31.38	3.15	2.96		111	Blend	Bag
29-03-04	40150	29.06	2.62	5.53		102	Blend	Bag
29-03-04	41408	29.91	3.03	4.41		103	Blend	Bag
29-03-04	42924	30.95	3.21	4.58		107	Blend	Bag
34-00-00	42772	27.68 *	0.00	0.00		81 *	Blend	Bag
42-00-00	41183	41.74	0.00	0.00		99	Mat	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
PURSELL INDUSTRIES SYLACAUGA AL 35150								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.09	104.25	109.22				
ALL SAMPLES,CV %		10.45	13.56	10.94				
NUMBER OF ANALYSIS		11	9	9				
Deficiency Rate = 18.18 %								
RICH POND CROP SVC. BOWLING GREEN KY 42101								
16-20-20	41898	17.68	20.79	18.65		103	CM	Bulk
18-9-25	41894	18.45	11.01	25.74		103	CM	Bulk
18-9-25	41895	17.63	10.52	26.84		101	CM	Bulk
34-11-05	41900	33.90	12.71	5.21		102	CM	Bulk
34-11-5	41896	33.92	11.28	5.47		100	CM	Bulk
34-11-5	41897	33.47	10.92	6.28		100	CM	Bulk
34-11-5	41899	33.11	11.85	5.26		99	CM	Bulk
34-11-5	41901	34.04	10.57	6.04		100	CM	Bulk
6-30-24	42441	6.66	31.76	24.99		106	CM	Bulk
9-23-30	42431	8.43	22.50	32.11		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.14	104.29	107.79				
ALL SAMPLES,CV %		5.47	6.12	8.31				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
RIPS FARM CENTER TOLLESBORO KY 41189								
00-00-50	43276	0.00	0.00	50.22		100	Mat	Bulk
00-00-60	43277	0.00	0.00	59.79		100	Mat	Bulk
06-12-19	43387	6.03	12.18	19.92		98	CM	Bulk
06-12-19	43389	6.23	12.41	19.89		100	CM	Bulk
09-18-28	43381	10.27	19.38	26.43 *		98	CM	Bulk
09-18-28	43382	9.13	17.28 *	28.86		98	CM	Bulk
14-15-24	43388	14.16	15.81	24.25		98	CM	Bulk
15-09-14	43390	15.51	10.26	14.80		100	CM	Bulk
16-08-12	43383	16.57	9.95	9.12 *		92 *	CM	Bulk
18-46-00	43279	17.75	45.77	0.00		99	Mat	Bulk
19-19-19	43384	18.72	18.65	19.25		97	CM	Bulk
22-11-18	43386	21.16	10.72	19.75		99	CM	Bulk
23-00-00	43385	22.64	0.00	0.00		98	CM	Bulk
46-00-00	43278	46.30	0.00	0.00		101	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.06	100.34	97.52				
ALL SAMPLES,CV %		4.24	7.35	9.62				
NUMBER OF ANALYSIS		12	10	11				
Deficiency Rate = 21.43 %								
ROYSTER CLARK (ADA) ADAIRVILLE KY 42202								
10-27-23	40254	10.37	27.43	25.84		101	CM	Bulk
11-28-22	40268	11.07	29.01	23.92		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ROYSSTER CLARK (ADA) ADAIRVILLE KY 42202								
11-28-23	40252	11.01	28.52	23.23		100	CM	Bulk
11-28-23	40253	10.96	28.36	24.15		101	CM	Bulk
11-28-23	40255	10.90	28.65	24.17		102	CM	Bulk
11-28-23	40265	11.00	28.95	23.62		102	CM	Bulk
11-28-23	40266	11.17	29.87	22.43		103	CM	Bulk
Statistical Analysis for Grade : 11-28-23								
Number of Samples This Grade : 5								
Average Analysis :		11.01	28.87	23.52		101.5		
CV, %		0.91	2.08	3.08				
12-31-18	40267	12.31	31.71	18.90		100	CM	Bulk
13-08-13	43322+	13.68	8.31	13.54		103	CM	Bulk
ROYSSTER CLARK (COLL) COLLINSVILLE IL 62234-1986								
00-00-60	40656	0.00	0.00	59.87		100	Mat	Bulk
00-00-60	40786	0.00	0.00	59.81		100	Mat	Bulk
00-00-60	40919	0.00	0.00	59.00		98	Mat	Bulk
00-00-60	41459	0.00	0.00	59.26		99	Mat	Bulk
00-00-60	41587	0.00	0.00	59.79		100	Mat	Bulk
00-00-60	41714	0.00	0.00	60.56		101	Mat	Bulk
00-00-60	41907	0.00	0.00	60.13		100	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 7								
Average Analysis :		0.00	0.00	59.77		99.6		
CV, %		0	0	0.87				
00-46-00	40818	0.00	46.04	0.00		100	Mat	Bulk
00-46-00	41713	0.00	45.04	0.00		98	Mat	Bulk
05-20-20	40816+	4.88	19.60	19.29		97	Mnfr	Bulk
05-20-20	41585	5.04	19.35	20.32		99	Mnfr	Bulk
06-12-18	42966+	5.79	12.05	18.71		102	Mnfr	Bulk
06-12-18	43043+	5.91	12.57	18.36		102	Mnfr	Bulk
18-08-00	40817+	17.53	8.70	0.00		100	Mnfr	Bulk
18-46-00	40662	17.48	45.76	0.00		99	Mat	Bulk
18-46-00	40787	17.88	46.31	0.00		100	Mat	Bulk
18-46-00	40806	18.08	45.74	0.00		100	Mat	Bulk
18-46-00	40920	17.41	45.57	0.00		98	Mat	Bulk
18-46-00	41589	17.25	46.12	0.00		99	Mat	Bulk
18-46-00	41712	17.67	45.58	0.00		99	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 6								
Average Analysis :		17.63	45.85	0.00		99.1		
CV, %		1.76	0.66	0				
32-00-00	41477	32.00	0.00	0.00		100	Mat	Liq
34-00-00	40655	33.62	0.00	0.00		99	Mat	Bulk
34-00-00	40788	33.91	0.00	0.00		100	Mat	Bulk
34-00-00	40918	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	41588	34.24	0.00	0.00		101	Mat	Bulk
34-00-00	41911	34.50	0.00	0.00		101	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ROYSER CLARK (COLL) COLLINSVILLE IL 62234-1986								
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 5								
Average Analysis :		34.15	0.00	0.00		100.5		
CV, %		1.13	0	0				
46-00-00	41460	45.79	0.00	0.00		100	Mat	Bulk
46-00-00	41586	45.67	0.00	0.00		99	Mat	Bulk
46-00-00	41711	45.32	0.00	0.00		99	Mat	Bulk
46-00-00	41908	45.96	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.95	100.36	100.12				
ALL SAMPLES,CV %		1.66	3.14	2				
NUMBER OF ANALYSIS		21	13	11				
Deficiency Rate = 0.00 %								
ROYSER CLARK (FANC) FANCY FARM KY 42039								
05-14-18	40385	6.41	14.79	18.35		103	CM	Bulk
05-14-18	40386	6.74	14.74	18.58		104	CM	Bulk
5-14-18	40388	6.34	14.28	19.99		104	CM	Bulk
5-15-19	40389	6.32	14.73	20.85		101	CM	Bulk
6-15-20	40387	7.04	16.29	21.53		106	CM	Bulk
9-23-30	41533	8.63	22.07	31.57		99	CM	Bulk
9-23-30	41534	8.70	22.24	31.43		100	CM	Bulk
9-23-30	41535	8.99	22.76	30.60		100	CM	Bulk
9-23-30	41536	8.83	22.27	30.01		98	CM	Bulk
9-23-30	41537	8.84	22.66	31.03		100	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		8.80	22.40	30.93		99.6		
CV, %		1.58	1.32	2.06				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		105.53	99.17	102.86				
ALL SAMPLES,CV %		8.43	2.84	2.89				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
ROYSER CLARK (FLO) FLORENCE AL 35631								
13-13-13	42794+	13.36	15.86	11.64 *		106	Mnfr	Bag
ROYSER CLARK (FRAN) FRANKLIN KY 42134								
09-30-20	40215	9.29	29.82	22.21		100	CM	Bulk
09-30-20	40216	9.83	30.44	20.90		101	CM	Bulk
09-30-20	40313	9.22	30.51	20.54		100	CM	Bulk
09-30-20	40314	9.37	30.97	20.82		101	CM	Bulk
11-28-16	41909	10.81	29.65	17.80		103	CM	Bulk
11-28-16	41910	10.85	28.74	17.44		101	CM	Bulk
13-34-15	40437	13.34	34.65	15.42		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ROYSER CLARK (FRAN) FRANKLIN KY 42134								
23-36-00	40312	22.68	36.91	0.00		99	CM	Bulk
23-36-00	40315	22.64	37.18	0.00		99	CM	Bulk
23-36-00	40316	23.35	38.05	0.00		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.71	101.05	105.10				
ALL SAMPLES,CV %		2.08	1.73	3.46				
NUMBER OF ANALYSIS		10	10	7				
Deficiency Rate = 0.00 %								
ROYSER CLARK (HARD) HARDIN KY 42048								
04-12-15	40199	5.09	11.48	17.59		103	CM	Bulk
04-12-15	40282	5.79	12.26	16.58		106	CM	Bulk
04-12-15	40283	5.76	12.30	16.08		105	CM	Bulk
04-12-15	40284	5.69	12.40	15.92		105	CM	Bulk
05-14-18	40280	6.47	14.47	18.82		103	CM	Bulk
05-14-18	40281	6.30	14.46	21.14		107	CM	Bulk
07-19-08	40200	8.72	20.78	10.40		110	CM	Bulk
10-26-26	42240	10.04	25.42	27.01		100	CM	Bulk
9-23-30	42241	8.90	23.17	29.74		100	CM	Bulk
9-23-30	42242	8.85	22.88	29.98		99	CM	Bulk
9-23-30	42243	8.92	21.95	31.64		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		109.69	100.03	105.59				
ALL SAMPLES,CV %		8.83	3.06	6.53				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
ROYSER CLARK (MURR) MURRAY KY 42071								
0-23-30	40422	0.00	25.80	26.78 *		102	CM	Bulk
0-23-30	40423	0.00	24.44	29.80		103	CM	Bulk
09-23-30	40152	10.00	23.98	29.81		104	CM	Bulk
10-26-25	41551	9.92	25.45	27.10		99	CM	Bulk
10-26-25	41552	10.51	26.60	25.38		101	CM	Bulk
17-15-20	41922	17.32	12.98 *	21.30		97	CM	Bulk
17-15-20	41923	17.71	14.68	20.43		100	CM	Bulk
17-15-20	42016	17.04	15.44	20.28		100	CM	Bulk
9-23-30	42792	8.63	21.61	31.42		98	CM	Bulk
9-23-30	42793	8.86	22.32	30.58		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.46	99.20	100.98				
ALL SAMPLES,CV %		4.87	7.61	4.86				
NUMBER OF ANALYSIS		8	10	10				
Deficiency Rate = 20.00 %								
ROYSER CLARK (NORF) NORFOLK VA 23510								
19-19-19	43092	18.07	19.20	20.37		100	Blend	Bag
19-19-19	43094	18.55	19.39	19.20		100	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
ROYSER CLARK (NORF) NORFOLK VA 23510								
ROYSER CLARK (SED) SEDALIA KY 42079								
04-11-17	40292+	5.31	12.73	18.44		106	CM	Bulk
04-11-17	40293+	5.11	11.89	19.08		104	CM	Bulk
05-12-22	40290	5.91	14.02	23.52		108	CM	Bulk
05-12-22	40291	5.14	11.47 *	24.05		98	CM	Bulk
06-17-22	40294	7.46	17.95	23.25		105	CM	Bulk
12-30-20	41473	11.83	30.53	20.09		100	CM	Bulk
12-30-20	41474	11.27	29.36	21.54		98	CM	Bulk
9-23-30	41475	8.42	22.31	30.79		98	CM	Bulk
9-23-30	41476	8.49	21.86	31.26		98	CM	Bulk
9-23-30	41478	8.73	22.98	29.77		99	CM	Bulk
9-23-30	41479	8.62	22.05	31.49		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.23	99.09	103.96				
ALL SAMPLES,CV %		8.44	5.73	2.49				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
ROYSER CLARK (UTICA) UTICA KY 42376								
00-23-30	40374	0.00	20.07 *	35.28		100	CM	Bulk
00-23-30	40375	0.00	24.49	29.68		103	CM	Bulk
00-23-30	40376	0.00	23.03	31.12		102	CM	Bulk
02-22-27	40391+	1.95	21.10	27.72		100	CM	Bulk
02-22-27	40392+	1.72	21.48	28.63		102	CM	Bulk
02-22-27	40393+	1.81	22.24	26.87		102	CM	Bulk
20-12-15	42576+	19.44	13.46	14.63		102	CM	Bulk
6-15-40	42577	5.81	14.76	40.35		99	CM	Bulk
9-23-30	42602	9.32	24.60	28.65		102	CM	Bulk
9-23-30	42603	9.04	23.96	29.84		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.69	101.71	101.98				
ALL SAMPLES,CV %		4.24	7.15	6.3				
NUMBER OF ANALYSIS		7	10	10				
Deficiency Rate = 10.00 %								
ROYSER CLARK (WASH) WASHINGTON CH OH 43160								
05-10-15	43093	4.94	9.13	16.12		102	Blend	Bag
09-23-30	43096	9.01	23.77	31.99		104	Blend	Bag
19-19-19	43095	20.69	18.13	18.59		102	Blend	Bulk
ROYSER CLARK (WISC) MADISON WI 53714								
00-00-00	41942+	0.00	0.00	0.00			Mat	Bag
00-00-00	41966+	0.00	0.00	0.00			Mat	Bag
RUDOLPH FARM SUPPLY, INC SALEM KY 42078								
04-20-24	40366	5.10	21.84	22.74 *		102	CM	Bulk
14-16-29	41673+	12.84	15.17	30.87		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

RUDOLPH FARM SUPPLY, INC SALEM KY 42078								
14-16-29	41674+	15.25	16.04	26.23 *		102	CM	Bulk
14-16-29	41675+	13.38	15.07	30.31		100	CM	Bulk
23-15-16	41668	22.36	15.54	19.07		99	CM	Bulk
24-17-15	41671	23.99	17.52	15.20		101	CM	Bulk
28-13-12	41669	27.03	14.82	13.90		101	CM	Bulk
28-13-12	41670	19.93 *	14.99	22.92		96 *	CM	Bulk
9-23-30	41672	8.91	22.79	30.86		100	CM	Bulk

RUSSELLVILLE CROP SERVICE RUSSELLVILLE KY 42276-0008								
08-22-27	40278	7.77 *	20.53 *	31.14		99	CM	Bulk
09-23-30	40175	8.24	20.81 *	34.42		99	CM	Bulk
11-28-18	40220	10.38	27.35	21.24		98	CM	Bulk
11-28-18	40222	10.41	26.96 *	20.81		87 *	CM	Bulk
11-28-18	40226	10.47	27.40	20.00		97	CM	Bulk
17-17-17	42218	17.68	17.55	17.50		100	CM	Bulk
18-18-18	42221	17.95	18.81	18.09		101	CM	Bulk
19-19-19	42219	19.70	18.88	19.18		100	CM	Bulk
9-23-30	42216	8.82	22.68	30.20		99	CM	Bulk
9-23-30	42217	9.43	23.41	29.44		101	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.28	96.78	105.60				
ALL SAMPLES,CV %		5.48	4.36	6.64				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 30.00 %								

SANDIDGES STORE EUBANK KY 42567								
15-15-15	41869	14.14	14.69	16.63		99	CM	Bulk
18-18-18	41873	18.12	18.47	21.18		102	CM	Bulk
19-19-19	41874	18.59	20.09	18.62		100	CM	Bulk

SCHOCHOH CROP RUSSELLVILLE KY 42276								
07-27-27	40228	6.49 *	24.15 *	33.13		99	CM	Bulk
08-20-32	40182	8.96	22.74	31.54		104	CM	Bulk
08-27-24	40176	7.44	25.52 *	27.85		99	CM	Bulk
08-27-24	40177	7.44	25.48 *	28.51		100	CM	Bulk
09-23-30	40179	8.66	22.37	32.53		101	CM	Bulk
09-24-28	40173	8.78	22.29 *	32.38		99	CM	Bulk
09-24-28	40178	8.87	23.31	31.09		100	CM	Bulk
09-32-20	40219	9.32	30.78 *	23.28		99	CM	Bulk
10-27-24	40180	10.11	26.09	26.78		99	CM	Bulk
10-27-24	40181	10.04	26.14	26.70		99	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		94.63	95.09	111.78				
ALL SAMPLES,CV %		5.85	5.53	5.79				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 50.00 %								

SCHULTZ CO. BRIDGETON MO 63044								
10-12-12	42372+	11.27	11.93	12.00		105	Blend	Bag

10-15-10

41752+

11.06

16.66

11.55

112

Blend

Liq

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SCHULTZ CO. BRIDGETON MO 63044								
12-08-10	42371+	13.39	7.95	10.54		107	Blend	Bag
14-07-07	42373+	17.68	8.07	7.34		120	Blend	Bag
16-12-12	42370+	16.82	11.16	12.91		102	Blend	Bag
29-03-03	40126+	29.58	3.26	3.40		104	Blend	Bag
SCOTT G. WILLIAMS, LLC CONYERS GA 30012								
00-00-00	42087+	0.00	0.00	0.00			Mat	Bag
00-00-00	42573+	0.00	0.00	0.00			Mat	Bag
SCOTTS MIRACLE-GRO PRODUCTS, INC MARYSVILLE OH 43041								
09-17-09	40127	10.56	19.68	10.97		117	Blend	Bag
10-52-10	41272+	9.82	53.51	10.97		103	Mnfr	Bag
15-30-15	41106+	15.12	31.93	15.67		104	Mnfr	Bag
15-30-15	41115+	15.32	30.05	15.76		102	Mnfr	Bag
15-30-15	42824+	16.04	31.83	16.42		107	Mnfr	Bag
15-30-15	42900+	13.85	34.37	15.26		105	Mnfr	Bag
15-30-15	42903+	14.91	31.21	16.12		103	Mnfr	Bag
15-30-15	42906+	14.66	30.42	16.52		102	Mnfr	Bag
Statistical Analysis for Grade : 15-30-15								
Number of Samples This Grade : 6								
Average Analysis :		14.98	31.63	15.96		103.7		
CV, %		4.85	4.85	3.03				
22-03-14	40156	22.08	4.18	14.03		104	Blend	Bag
22-03-14	40560	22.32	3.29	14.14		102	Blend	Bag
28-03-03	42117	27.01	3.21	3.86		99	Blend	Bag
29-03-04	41260	30.94	3.42	4.58		108	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.65	110.11	109.52				
ALL SAMPLES,CV %		6.28	9.58	7.86				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 0.00 %								
SCOTTS SIERRA MARYSVILLE OH 43041								
14-14-14	40129	14.01	13.91	14.37		100	Mnfr	Bag
18-06-12	41397+	19.39	6.42	12.68		107	Blend	Bag
19-06-12	41109+	18.39	6.80	12.94		102	Mnfr	Bag
19-06-12	42680+	19.53	6.62	13.26		106	Mnfr	Bag
19-06-12	42809+	19.51	6.27	13.13		104	Mnfr	Bag
19-06-12	42811+	19.45	6.87	13.59		106	Mnfr	Bag
19-06-12	42814+	19.71	6.13	13.10		105	Mnfr	Bag
Statistical Analysis for Grade : 19-06-12								
Number of Samples This Grade : 5								
Average Analysis :		19.32	6.54	13.20		104.5		
CV, %		2.73	4.96	1.85				
20-27-05	41748+	21.71	27.00	4.64		104	Blend	Bag
28-03-03	41731+	28.49	3.20	3.35		103	Blend	Bag
SHELLEY, W.H. HILLSBORO KY 41049								

00-00-62	43581	0.00	0.00	61.11	99	Mat	Bulk
06-06-06	43579	6.60	6.90	6.93	102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SHELLEY, W.H. HILLSBORO KY 41049								
06-06-06	43580	6.23	6.66	6.64		98	CM	Bulk
06-06-06	43583	6.91	6.98	6.31		103	CM	Bulk
06-06-06	43584	6.50	7.27	6.46		102	CM	Bulk
08-06-09	43595	8.72	7.20	10.86		106	CM	Bulk
12-10-16	43577	12.63	10.50	16.82	*	101	CM	Bulk
21-09-14	43578	20.53	9.06	16.30	*	101	CM	Bulk
46-00-00	43582	42.80 *	0.00	0.00		93 *	Mat	Bulk

SOUTHWEST LANDMARK XENIA OH 45385								
18-24-12	42992	19.98	20.32 *	13.20		100	Blend	Bag

SPECIALTY FERTILIZER PROD. BELTON MO 64012								
03-00-00	41547+	2.53 *	0.00	0.00		84 *	Mnfr	Bag

SPECTRUM GROUP ST. LOUIS MO 63146-3538								
09-09-06	41393	7.82 *	7.08 *	7.79		91 *	Blend	Bag
12-06-06	41605+	12.97	7.63	6.70		113	Blend	Bag
12-10-05	41749+	11.71	9.69	5.37		99	Blend	Bag
15-30-15	43477	15.21	31.57	14.68		103	Blend	Bag
17-17-17	41406+	18.37	18.04	17.55		106	Blend	Bag
18-24-10	40144+	16.81	22.31 *	11.90		96 *	Blend	Bag
18-24-10	40258+	16.41 *	21.24 *	12.26		94 *	Blend	Bag
18-24-10	42115+	16.84	26.08	7.98 *		98	Blend	Bag
22-03-14	40120+	23.23	3.62	14.26		106	Blend	Bag
22-03-14	40124	23.22	4.12	14.27		108	Blend	Bag
22-04-11	40118+	21.45	3.76	11.32		98	Blend	Bag
28-03-03	40909	28.14	3.04	4.06		102	Blend	Bag
28-03-03	41113	26.83	3.10	3.35		97	Blend	Bag
28-03-03	41127	28.12	3.42	3.94		103	Blend	Bag
28-03-03	41257	29.53	3.70	3.53		107	Blend	Bag
28-03-03	42366	27.71	3.29	3.01		100	Blend	Bag
28-03-03	42381	29.80	3.46	3.63		108	Blend	Bag
Statistical Analysis for Grade : 28-03-03								
Number of Samples This Grade : 6								
Average Analysis :		28.36	3.34	3.59		102.8		
CV, %		3.96	7.35	10.74				
29-02-05	42330+	30.43	2.38	5.05		105	Blend	Bag
29-03-04	43478+	29.50	3.00	3.74		101	Blend	Bag
30-03-04	40904	30.49	3.40	3.89		102	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.23	107.77	109.36				
ALL SAMPLES,CV %		5.89	13.12	12.95				
NUMBER OF ANALYSIS		20	20	20				
Deficiency Rate = 20.00 %								

SPEED AG SERVICE HICKMAN KY 42050								
00-00-60	40650	0.00	0.00	60.72		101	Mat	Bulk
06-15-20	40324	7.11	17.24	21.55		110	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SPEED AG SERVICE HICKMAN KY 42050								
06-15-20	40325	7.36	17.91	19.66		109	CM	Bulk
06-15-20	40326	6.99	17.25	21.57		110	CM	Bulk
06-15-20	40327	6.52	15.67	21.94		104	CM	Bulk
09-23-30	40260	8.69	22.43	31.92		101	CM	Bulk
09-23-30	40328	9.14	23.28	31.02		102	CM	Bulk
11-28-22	40259	10.92	28.39	24.40		101	CM	Bulk
18-46-00	40651	17.45	46.41	0.00		99	Mat	Bulk
32-00-00	41550	32.00	0.00	0.00		100	Mat	Liq
34-00-00	40649	34.22	0.00	0.00		101	Mat	Bulk
7-18-36	41549	7.46	18.70	36.32		102	CM	Bulk
7-19-31	41548+	7.78	19.73	32.29		101	CM	Bulk
9-23-30	41544	8.64	22.01	31.98		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		104.32	103.39	103.47				
ALL SAMPLES,CV %		8.33	6.35	3.58				
NUMBER OF ANALYSIS		13	11	11				
Deficiency Rate = 0.00 %								
SQM NORTHAMERICA ATLANTA GA 30339								
15-00-14	43047	14.52	0.00	15.84		105	Mnfr	Bag
SS (BARD) BARDSTOWN SVC BARDSTOWN KY 40004								
12-30-17	42500	11.94	31.01	18.63		101	CM	Bulk
16-13-28	42498	16.03	13.78	29.15		101	CM	Bulk
16-13-28	42499	15.55	13.16	29.56		100	CM	Bulk
17-17-22	42733	17.91	17.86	22.31		100	CM	Bulk
18-17-22	42732	18.86	17.76	21.17		101	CM	Bulk
18-19-20	42729	18.85	19.57	20.12		100	CM	Bulk
24-15-15	42728	24.21	15.72	15.79		100	CM	Bulk
24-15-15	42731	24.89	15.57	15.51		101	CM	Bulk
25-15-15	42494	24.12	15.55	16.23		100	CM	Bulk
29-11-12	42730	28.94	12.31	12.90		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.35	101.16	101.60				
ALL SAMPLES,CV %		2.29	1.66	3.96				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (BOWL) BOWLING GREEN COOP BOWLING GREEN KY 42101								
10-26-25	40320	10.44	26.82	26.22		101	CM	Bulk
10-26-25	40321	10.37	26.93	26.00		101	CM	Bulk
10-27-24	40249	10.50	27.33	25.70		101	CM	Bulk
10-27-24	40250	10.00	27.81	25.05		100	CM	Bulk
10-34-15	40279	10.09	34.48	14.99		99	CM	Bulk
11-29-21	40318	11.43	29.57	22.43		101	CM	Bulk
11-29-21	40319	11.38	29.90	22.01		101	CM	Bulk
12-24-24	40439	12.72	26.16	21.32 *		100	CM	Bulk
12-30-20	42436	11.43	29.47	21.94		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (BOWL) BOWLING GREEN COOP	BOWLING GREEN KY 42101							
6-15-40	40438	5.98	15.29	40.45		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.05	100.46	102.42				
ALL SAMPLES,CV %		3.04	2.64	5.98				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								

SS (CADI) CADIZ BR	CADIZ KY 42211							
05-25-30	40307	5.41	26.58	29.56		101	CM	Bulk
05-25-30	40308	5.27	25.68	30.82		100	CM	Bulk
05-25-30	40310	5.43	26.05	30.77		102	CM	Bulk
05-26-30	40309	5.27	25.67	29.92		99	CM	Bulk
08-29-22	40311	9.14	30.25	22.35		101	CM	Bulk
12-31-18	41890	11.90	30.81	19.56		99	CM	Bulk
17-14-21	43294	17.68	13.92	21.58		100	CM	Bulk
19-18-19	41653	19.42	18.52	19.87		100	CM	Bulk
19-19-19	40365	17.73	17.71 *	18.92		94 *	CM	Bulk
22-15-15	43292	21.36	15.41	16.87		101	CM	Bulk
22-15-15	43293	21.81	15.90	15.88		100	CM	Bulk
8-20-32	41891	7.87	19.96	34.12		100	CM	Bulk
8-20-32	41892	7.87	20.31	33.21		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.14	99.13	101.35				
ALL SAMPLES,CV %		3.31	2.77	2.42				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 7.69 %								

SS (CALH) CALHOUN	CALHOUN KY 42327							
0-22-29	40468	0.00	25.96	27.00 *		105	CM	Bulk
0-22-29	40469	0.00	24.58	28.88		105	CM	Bulk
0-22-29	40470	0.00	24.32	29.78		105	CM	Bulk
0-22-29	40475	0.00	24.45	29.61		105	CM	Bulk
00-23-30	40298	0.00	22.20	32.36		101	CM	Bulk
06-16-19	40299	7.19	17.53	20.02		109	CM	Bulk
06-16-19	40300	7.29	17.82	18.12 *		104	CM	Bulk
06-16-19	40301	7.36	18.27	18.62		107	CM	Bulk
06-16-19	40302	6.85	16.92	18.53		102	CM	Bulk
06-16-19	40303	7.21	17.32	18.77		104	CM	Bulk
Statistical Analysis for Grade : 06-16-19								
Number of Samples This Grade : 5								
Average Analysis :		7.18	17.57	18.81		105.2		
CV, %		2.74	2.9	3.82				

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (CALH) CALHOUN CALHOUN KY 42327								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		112.91	107.93	98.64				
ALL SAMPLES,CV %		2.81	4.75	5.25				
NUMBER OF ANALYSIS		5	10	10				
Deficiency Rate = 20.00 %								
SS (CAMP) CAMPBELLSVILLE CAMPBELLSVILLE KY 42718								
05-20-30	43154+	5.15	20.47	30.59		101	CM	Bulk
17-17-17	42482	17.19	16.99	19.56		100	CM	Bulk
17-17-17	42483	17.60	17.18	18.11		99	CM	Bulk
17-17-17	42486	17.70	17.99	18.25		101	CM	Bulk
23-11-11	42484	23.08	11.14	12.44		99	CM	Bulk
23-11-11	42485	22.63	11.54	12.07		98	CM	Bulk
32-0-0	42831+	32.44	0.00	0.00		101	CM	Bulk
32-0-0	42832+	32.28	0.00	0.00		101	CM	Bulk
SS (CAMP) KNTCKANA SVC CMPBLL BR CAMPBELLSBURG KY 40011								
09-06-09	43504	9.60	7.88	9.77		105	CM	Bulk
11-08-11	43508	11.29	7.82	12.45		100	CM	Bulk
12-00-00	43501	12.89	0.00	0.00		102	CM	Bulk
12-07-11	43503	13.62	9.64	11.35		106	CM	Bulk
12-10-15	43505	12.65	10.71	16.25		101	CM	Bulk
14-15-23	43502	14.66	15.17	25.08		102	CM	Bulk
14-15-23	43509	14.40	15.84	24.15		101	CM	Bulk
15-05-08	43506	15.60	6.39	8.65		103	CM	Bulk
16-15-22	43507	16.08	15.23	23.11		101	CM	Bulk
18-14-20	43500	18.92	15.37	19.76		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.99	105.38	102.10				
ALL SAMPLES,CV %		3.27	9.32	3.82				
NUMBER OF ANALYSIS		10	9	9				
Deficiency Rate = 0.00 %								
SS (CARL) OWINGS SVC-CARLISLE BR CARLISLE KY 40311								
06-12-19	43080	6.23	12.38	21.97	*	107	CM	Bulk
09-18-28	43081	8.97	18.19	29.29		101	CM	Bulk
13-10-15	43075	14.31	9.76	15.90		101	CM	Bulk
15-00-34	43076	15.67	0.00	35.12		102	CM	Bulk
15-15-23	43079	15.44	16.31	23.89		101	CM	Bulk
18-10-20	43077	18.78	10.28	20.96		101	CM	Bulk
19-11-16	43078	19.25	10.63	16.63		100	CM	Bulk
19-13-19	43028	19.57	13.57	20.99		102	CM	Bulk
21-17-17	43029	20.70	17.76	18.71		99	CM	Bulk
24-15-15	43074	25.00	14.78	15.98		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (CARL) OWINGS SVC-CARLISLE BR CARLISLE KY 40311								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.92	97.80	104.38				
ALL SAMPLES,CV %		2.21	3.6	3.67				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 0.00 %								
SS (CLAY) CLAY KY 42404								
22-9-24	42509	21.36	9.25	24.89		100	CM	Bulk
9-23-30	42507	8.66	23.02	29.91		99	CM	Bulk
9-23-30	42508	6.07 *	15.82 *	40.99		94 *	CM	Bulk
9-23-30	42510	9.49	24.26	29.00		102	CM	Bulk
9-23-30	42511	8.86	23.06	29.69		99	CM	Bulk
9-23-30	42512	9.59	24.35	28.19 *		102	CM	Bulk
9-23-30	42513	8.63	22.59	32.35		101	CM	Bulk
9-23-30	42514	9.42	24.31	28.21 *		101	CM	Bulk
9-23-30	42515	9.46	24.41	27.86 *		101	CM	Bulk
9-23-30	42516	8.12 *	21.49 *	31.52		97	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 9								
Average Analysis :		8.70	22.59	30.86		99.6		
CV, %		12.74	12.08	13.27				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.70	98.45	102.94				
ALL SAMPLES,CV %		12.01	11.39	12.5				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 50.00 %								
SS (COLU) GREEN RVR SVC ADAIR COLUMBIA KY 42728								
13-15-30	42275	13.59	14.84	31.39		101	CM	Bulk
17-17-17	42273	16.63	16.39	20.56		99	CM	Bulk
19-19-19	41780	18.94	18.88	20.43		99	CM	Bulk
19-19-19	41782	18.84	19.31	20.13		100	CM	Bulk
19-19-19	42274	19.27	20.92	20.57		104	CM	Bulk
19-19-19	42403	19.04	18.09	20.07		98	CM	Bulk
19-19-19	42406	18.65	19.34	19.09		98	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		18.95	19.31	20.06		99.7		
CV, %		1.22	5.35	2.88				
22-11-22	42405	21.43	11.40	21.44		97	CM	Bulk
25-11-17	42404	25.04	11.02	16.96		97	CM	Bulk
26-14-14	42272	26.65	13.95	14.05		100	CM	Bulk
26-14-14	42446	25.98	14.11	15.93		101	CM	Bulk
26-14-14	42447	26.31	15.79	15.63		104	CM	Bulk
27-13-13	41781	27.43	13.94	13.29		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (COLU) GREEN RVR SVC ADAIR COLUMBIA KY 42728								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.02	99.69	104.31				
ALL SAMPLES,CV %		1.76	5.38	5.93				
NUMBER OF ANALYSIS		13	13	13				
Deficiency Rate = 0.00 %								
SS (CYN) LEXINGTON COOP-CYN BRANCH CYNTHIANA KY 41031								
16-14-22	43142	15.93	14.35	23.53		101	CM	Bulk
19-08-20	43143	19.00	8.99	20.92		100	CM	Bulk
19-09-20	43144	18.82	8.65	21.19		99	CM	Bulk
19-09-20	43145	19.16	9.49	19.92		100	CM	Bulk
19-09-20	43146	18.84	8.64	21.03		99	CM	Bulk
19-19-19	42825	20.50	19.76	19.65		104	CM	Bulk
23-0-30	42829	23.72	0.00	29.62		101	CM	Bulk
28-4-18	42826	29.07	4.83	19.66		102	CM	Bulk
29-4-17	42827	30.11	5.47	18.94		104	CM	Bulk
31-0-0	42828+	32.19	0.00	0.00		101	CM	Bulk
33-00-13	42997+	33.55	0.00	13.48		100	CM	Bulk
33-00-13	42998+	33.62	0.00	13.35		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.36	103.07	101.87				
ALL SAMPLES,CV %		2.28	8.22	3.42				
NUMBER OF ANALYSIS		12	8	11				
Deficiency Rate = 0.00 %								
SS (DANV) COOP BOYLE BR DANVILLE KY 40422								
02-05-05	43341	3.02	6.00	5.91		109	CM	Bulk
03-00-06	43338	4.00	0.00	6.96		107	CM	Bulk
06-13-19	43335	6.84	13.74	20.11		103	CM	Bulk
12-00-23	43340	12.76	0.00	24.64		103	CM	Bulk
15-13-20	43339	15.83	13.90	20.36		102	CM	Bulk
20-00-20	43337	19.15	0.00	22.27		102	CM	Bulk
23-07-11	43336	23.95	7.37	11.70		101	CM	Bulk
32-00-17	43334	32.51	0.00	18.25		101	CM	Bulk
SS (ELIZ) HARDIN COOP, INC ELIZABETHTOWN KY 42701								
0-26-26	41991	0.00	26.54	26.27		101	CM	Bulk
17-19-21	41568	17.18	20.12	22.11		100	CM	Bulk
18-18-18	41989+	19.19	19.61	17.46		101	CM	Bulk
18-18-18	41990+	20.66	18.28	18.02		103	CM	Bulk
19-19-18	41733	19.09	20.61	18.67		100	CM	Bulk
19-19-18	42981	18.40	20.26	19.37		99	CM	Bulk
19-19-18	42982	18.68	19.94	20.43		100	CM	Bulk
19-19-19	41732	19.07	20.06	18.70		100	CM	Bulk
19-19-19	41755	18.10	20.57	20.21		100	CM	Bulk
19-19-19	41993	18.55	19.79	19.54		99	CM	Bulk
19-19-19	42983	18.90	19.52	19.81		100	CM	Bulk
8-22-30	41992	8.60	22.70	30.51		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (ELIZ) HARDIN COOP, INC	ELIZABETHTOWN KY 42701							
9-23-29	41574	8.86	22.72	30.69		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.79	102.11	101.06				
ALL SAMPLES,CV %		4.67	2.57	3.72				
NUMBER OF ANALYSIS		12	13	13				
Deficiency Rate = 0.00 %								

SS (ELKT) RUSS.-TODD BRANCH	ELKTON KY 42220							
13-8-11	42778+	13.14	8.04	12.18		101	CM	Bulk
13-8-11	42779+	13.00	7.94	11.97		100	CM	Bulk
17-15-20	42780	17.17	15.23	19.62		99	CM	Bulk
25-15-15	42781	25.60	15.11	15.41		101	CM	Bulk
9-23-30	42782	8.58	22.37	30.30		98	CM	Bulk
9-23-30	42783	8.93	22.46	30.25		99	CM	Bulk
9-23-30	42784	8.84	22.82	29.60		99	CM	Bulk
9-23-30	42785	8.73	22.19	30.42		98	CM	Bulk
9-23-30	42786	9.04	22.68	29.80		99	CM	Bulk
9-23-30	42787	9.01	23.05	30.13		100	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 6								
Average Analysis :		8.85	22.60	30.08		99.0		
CV, %		1.99	1.4	1.06				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.07	98.60	100.51				
ALL SAMPLES,CV %		1.86	1.2	1.46				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

SS (EMIN) INC KNTCKANA SVC-HENRY BR	EMINENCE KY 40019-9801							
06-16-36	43202+	6.83	17.12	36.41		101	CM	Bulk
12-07-10	43196	12.56	7.14	10.62		100	CM	Bulk
12-22-22	43194	11.77	22.54	23.23		101	CM	Bulk
12-22-22	43199	12.22	22.42	22.39		100	CM	Bulk
15-13-20	43200	15.54	12.93	21.33		101	CM	Bulk
15-13-20	43201	15.54	13.39	20.96		100	CM	Bulk
15-15-23	43203	15.21	16.45	23.05		100	CM	Bulk
17-12-18	43195	16.62	13.53	19.37		101	CM	Bulk
19-06-23	43197+	19.39	5.90	24.19		101	CM	Bulk
19-19-19	43204	19.02	20.37	19.43		101	CM	Bulk
22-04-15	43198	23.12	4.32	14.94		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.46	101.08	101.62				
ALL SAMPLES,CV %		2.63	3.95	2.12				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								

SS (FLEM) FLEMINGSBURG	FLEMINGSBURG KY 41041							
0-0-28	42571	0.00	0.00	28.33		99	CM	Bulk

03-09-46

40002+

3.99

10.11

45.14

101

CM

Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (FLEM) FLEMINGSBURG FLEMINGSBURG KY 41041								
11-2-8	42567	8.34 *	8.20	9.04		107	CM	Bulk
15-0-0	42574	15.89	0.00	0.00		103	CM	Bulk
15-0-0	42575	15.27	0.00	0.00		100	CM	Bulk
16-2-5	42558	16.61	3.19	5.60		102	CM	Bulk
16-9-13	42561	15.87	9.47	13.42		96 *	CM	Bulk
19-19-19	42565	18.18	19.33	20.03		98	CM	Bulk
19-19-19	42570	18.77	19.72	19.31		99	CM	Bulk
5-12-33	42566	5.63	13.27	33.82		102	CM	Bulk
8-22-27	42559+	8.68	22.01	28.60		99	CM	Bulk
8-8-8	42563	8.46	8.53	8.55		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.99	134.73	102.12				
ALL SAMPLES,CV %		10.96	73.35	3.17				
NUMBER OF ANALYSIS		11	9	10				
Deficiency Rate = 16.67 %								
SS (FRAN) ANDRSN FRNKLN-FRNKFRT SVC FRANKFORT KY 40601								
14-08-13	43369	14.47	9.03	13.21		100	CM	Bulk
17-00-30	42898	16.49	0.00	29.88		98	CM	Bulk
SS (FRAN) SIMPSON COOP FRANKLIN KY 42134								
09-22-28	40213	10.20	23.26	29.10		102	CM	Bulk
10-22-28	40208	10.62	21.89	29.27		100	CM	Bulk
10-26-25	40205	10.18	26.89	25.28		100	CM	Bulk
10-26-25	40206	10.16	26.40	26.25		101	CM	Bulk
11-28-22	40209	11.06	29.03	23.19		101	CM	Bulk
11-28-22	40210	11.12	28.87	23.58		101	CM	Bulk
11-28-22	40214	10.60	28.18	24.46		100	CM	Bulk
13-34-15	40207	12.98	34.00	16.72		100	CM	Bulk
14-36-12	40211	14.00	36.89	13.16		101	CM	Bulk
14-36-12	40212	13.89	36.83	13.20		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.11	100.40	104.51				
ALL SAMPLES,CV %		2.05	1.24	3.45				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (GEOR) GEORGETOWN COOP GEORGETOWN KY 40324								
15-03-25	43105	15.90	5.45	25.30		102	CM	Bulk
16-14-21	43100	16.70	15.84	21.95		101	CM	Bulk
19-03-25	43099	18.81	5.10	25.44		101	CM	Bulk
21-06-16	43103	21.74	6.07	16.70		102	CM	Bulk
23-00-18	43101	23.13	0.00	18.29		98	CM	Bulk
25-04-18	43097	25.31	5.04	18.80		102	CM	Bulk
27-0-24	42768	26.89	0.00	24.41		99	CM	Bulk
28-07-12	43102	28.45	7.92	12.76		103	CM	Bulk
29-05-12	43098	29.39	5.59	13.97		102	CM	Bulk
30-12-10	42767	30.11	12.36	10.62		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (GEOR) GEORGETOWN COOP GEORGETOWN KY 40324								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.54	112.23	102.04				
ALL SAMPLES,CV %		1.36	14.72	3.27				
NUMBER OF ANALYSIS		10	8	10				
Deficiency Rate = 0.00 %								
SS (GLAS) GLASGOW COOP GLASGOW KY 42141								
10-16-26	40975	11.51	17.06	28.43		106	CM	Bulk
10-26-22	40974	11.45	27.58	21.69		105	CM	Bulk
14-14-24	40976	14.23	14.98	25.58		102	CM	Bulk
18-18-18	40973	20.84	18.73	15.10 *		103	CM	Bulk
18-18-18	41072	17.40	19.27	18.51		99	CM	Bulk
21-15-20	40971	20.72	14.98	21.58		100	CM	Bulk
27-13-13	40972	27.64	14.68	13.49		102	CM	Bulk
5-14-40	40970+	5.79	12.90 *	42.33		100	CM	Bulk
8-22-29	40853	9.13	22.68	29.56		101	CM	Bulk
9-23-27	40969	9.38	23.13	27.30		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.49	101.78	100.40				
ALL SAMPLES,CV %		5.98	4.88	7.03				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
SS (GREE) GREENVILLE KY SVC GREENVILLE KY 42345								
12-24-24	42335	13.11	27.23	21.12 *		102	CM	Bulk
17-17-17	42331	17.23	17.69	18.92		100	CM	Bulk
17-17-17	42332	18.03	18.58	16.79		101	CM	Bulk
17-17-17	42336	17.30	18.25	18.28		100	CM	Bulk
17-17-17	42337	16.95	18.45	18.42		100	CM	Bulk
17-17-17	42338	17.75	17.85	18.16		100	CM	Bulk
Statistical Analysis for Grade : 17-17-17								
Number of Samples This Grade : 5								
Average Analysis :		17.45	18.16	18.11		100.4		
CV, %		2.48	2.11	4.39				
19-19-19	42339	19.00	19.72	18.99		99	CM	Bulk
27-11-15	42333	30.04	10.84	12.46 *		102	CM	Bulk
29-11-11	42334	29.87	11.52	11.48		99	CM	Bulk
29-11-12	42340	29.44	11.10	12.54		99	CM	Bulk
29-11-12	42341	30.12	11.57	11.52		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.60	101.04	97.37				
ALL SAMPLES,CV %		4.02	4.63	7.93				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 18.18 %								
SS (HARD) BRECK COOP HARDINSBURG KY 40143								
07-14-07	43516	7.95	18.06	5.68 *		110	Mnfr	Liq
17-15-15	42326	16.95	17.10	16.67		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (HARD) BRECK COOP HARDINSBURG KY 40143								
19-19-18	42323	19.54	18.66	20.13		101	CM	Bulk
19-19-19	42319	19.41	18.37	20.52		100	CM	Bulk
19-19-19	42321	19.00	19.14	20.05		100	CM	Bulk
19-19-19	42322	19.24	19.02	19.96		100	CM	Bulk
19-19-19	42325	19.44	19.79	19.15		101	CM	Bulk
25-15-15	42317	25.83	14.22	15.28		100	CM	Bulk
27-13-13	42318	27.77	13.10	13.64		100	CM	Bulk
7-16-38	42320	7.12	15.90	37.88		100	CM	Bulk
7-16-38	42324	6.69	15.04	39.88		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.83	100.93	100.79				
ALL SAMPLES,CV %		4.83	10	6.97				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 9.09 %								
SS (HARR) CNTRL KY SVC HARRODSBURG KY 40330								
12-09-14	43173	13.52	9.10	14.52		102	CM	Bulk
15-00-40	43332	15.52	0.00	41.57		103	CM	Bulk
17-04-15	43174	17.50	5.79	14.65		99	CM	Bulk
17-04-27	43333	18.08	4.49	27.48		100	CM	Bulk
SS (HEND) HENDERSON COOP HENDERSON KY 42420								
0-18-35	40480	0.00	19.18	35.53		101	CM	Bulk
0-18-36	40478	0.00	19.28	36.11		103	CM	Bulk
0-18-36	40479	0.00	18.17	36.76		101	CM	Bulk
34-00-00	40476	5.32	24.92	31.85		100	CM	Bulk
4-20-23	40477	4.75	21.01	23.07		104	CM	Bulk
5-26-29	40481	5.53	28.01	30.05		104	CM	Bulk
9-23-30	42519	9.02	22.48	31.01		100	CM	Bulk
9-23-30	42520	8.60	22.71	29.98		98	CM	Bulk
9-23-30	42521	9.32	23.44	29.21		101	CM	Bulk
9-23-30	42522	9.47	23.74	29.01		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.95	101.91	100.39				
ALL SAMPLES,CV %		5.51	3.82	2.79				
NUMBER OF ANALYSIS		7	10	10				
Deficiency Rate = 0.00 %								
SS (HODG) HARDIN COOP HODG BR SVC HODGENVILLE KY 42748								
0-17-37	41729	0.00	18.18	36.34		100	CM	Bulk
0-25-26	41077	0.00	26.33	26.17		101	CM	Bulk
0-26-26	41080	0.00	25.81	27.25		101	CM	Bulk
08-08-08	43178	7.31 *	7.65	8.94		97	CM	Bulk
09-06-09	43189	8.64	6.64	9.44		98	CM	Bulk
15-22-21	41756	15.99	23.30	20.64		101	CM	Bulk
18-18-18	41753	18.70	19.46	18.61		101	CM	Bulk
19-19-18	41730	22.39	17.84 *	16.51 *		101	CM	Bulk
19-19-19	41426	18.02	19.51	21.21		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (HODG) HARDIN COOP HODG BR SVC HODGENVILLE KY 42748								
19-19-19	42490	18.80	20.22	20.22		101	CM	Bulk
23-16-16	43180	22.37	17.31	16.82		100	CM	Bulk
6-6-6	41728	6.67	6.48	7.39		102	CM	Bulk
9-37-8	41754	11.19	37.37	9.70		105	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.48	100.68	102.13				
ALL SAMPLES,CV %		9.61	4.77	6.61				
NUMBER OF ANALYSIS		10	13	13				
Deficiency Rate = 15.38 %								
SS (HOPK) HOPKINSVILLE COOP HOPKINSVILLE KY 42240								
06-15-15	40361	7.26	16.51	17.72		110	CM	Bulk
06-15-40	40192	6.31	16.55	39.24		102	CM	Bulk
06-15-40	40195	6.03	15.35	40.89		101	CM	Bulk
09-23-30	40196	9.04	23.13	30.38		101	CM	Bulk
09-23-30	40197	8.90	22.93	31.55		102	CM	Bulk
09-23-30	40198	8.91	23.01	30.83		101	CM	Bulk
10-26-26	40362	10.50	26.89	26.44		103	CM	Bulk
10-26-26	40363	10.05	25.53	27.99		101	CM	Bulk
13-22-22	42142	12.36	23.20	23.68		100	CM	Bulk
19-19-19	41343	18.08	20.09	21.18		100	CM	Bulk
8-21-32	42143	8.11	20.94	33.55		101	CM	Bulk
8-21-32	42144	8.15	20.80	32.96		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.65	101.41	104.27				
ALL SAMPLES,CV %		6.5	3.1	4.05				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 0.00 %								
SS (HORS) HORSE CAVE COOP HORSE CAVE KY 42749								
12-09-14	43072	12.81	9.78	18.53		113	CM	Bulk
12-16-24	43071	12.85	15.59	22.93		99	CM	Bulk
17-17-18	41076	17.79	18.52	18.45		101	CM	Bulk
18-18-18	40924	17.58	18.84	20.14		100	CM	Bulk
18-18-18	40977	18.83	20.42	18.37		102	CM	Bulk
19-19-19	42849	20.09	20.58	17.99 *		102	CM	Bulk
36-10-0	41073	33.83 *	12.45	0.00		97	CM	Bulk
5-14-38	40951+	5.62	15.02	38.79		101	CM	Bulk
5-14-38	40952+	5.31 *	14.20	38.46		98	CM	Bulk
7-19-34	41074	7.53	19.13	35.94		101	CM	Bulk
7-19-34	41075	7.47	19.17	35.08		100	CM	Bulk
8-21-28	40953	7.88	21.71	30.80		101	CM	Bulk
8-22-29	40893	9.03	23.70	28.76		102	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (HORS) HORSE CAVE COOP HORSE CAVE KY 42749								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.72	102.72	102.84				
ALL SAMPLES, CV %		4.82	5.8	8.27				
NUMBER OF ANALYSIS		13	13	12				
Deficiency Rate = 23.08 %								
SS (ISLA) COOP ISLAND BR ISLAND KY 42350								
00-23-30	43418	0.00	21.73	32.54		101	CM	Bulk
00-23-30	43419	0.00	23.54	30.30		102	CM	Bulk
00-23-30	43420	0.00	23.18	30.86		102	CM	Bulk
00-23-30	43421	0.00	22.50	31.08		101	CM	Bulk
09-23-30	43417	9.24	24.11	28.65		101	CM	Bulk
9-23-30	42584	9.75	26.61	25.94 *		103	CM	Bulk
9-23-30	42585	8.60	23.20	30.63		100	CM	Bulk
9-23-30	42586	8.55	22.57	31.28		100	CM	Bulk
9-23-30	42587	9.24	23.85	29.45		101	CM	Bulk
9-23-30	42588	8.48	22.58	31.20		99	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 5								
Average Analysis :		8.92	23.76	29.70		100.8		
CV, %		6.2	7.05	7.5				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.74	101.68	100.64				
ALL SAMPLES, CV %		5.7	5.71	6.07				
NUMBER OF ANALYSIS		6	10	10				
Deficiency Rate = 10.00 %								
SS (LAGR) KY SVC BR-LAGRANGE BR LAGRANGE KY 40031								
11-30-20	42799	11.86	30.31	20.93		100	CM	Bulk
14-20-19	42800+	14.46	20.60	20.71		100	CM	Bulk
14-20-19	42801+	15.00	20.48	19.33		100	CM	Bulk
14-20-19	42802+	15.89	20.05	20.37		102	CM	Bulk
14-20-19	42803+	14.43	20.91	19.37		99	CM	Bulk
15-14-27	42805+	15.77	13.73	27.26		100	CM	Bulk
15-14-27	42806+	15.61	14.02	27.13		100	CM	Bulk
19-19-19	42797	19.48	19.49	20.17		101	CM	Bulk
9-23-30	42798	9.17	23.25	29.57		100	CM	Bulk
9-23-30	42804	8.73	22.19	30.08		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.76	98.28	101.43				
ALL SAMPLES, CV %		3.13	1.94	2.57				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (LAWR) ANDERSON FRANKLIN SVC BR LAWRENCEBURG KY 40342								
01-01-01	43307	2.29	2.13	1.98		119	CM	Bulk
08-03-16	43311	9.00	5.00	15.87		104	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (LAWR) ANDERSON FRANKLIN SVC BR LAWRENCEBURG KY 40342								
08-03-16	43312	8.40	3.81	17.35		105	CM	Bulk
09-09-17	43306	9.91	9.49	17.18		101	CM	Bulk
09-23-30	43310	8.71	23.21	30.39		100	CM	Bulk
16-00-24	43313	16.75	0.00	26.04		102	CM	Bulk
16-12-18	43304	16.70	13.13	19.53		102	CM	Bulk
19-10-16	43308	19.09	10.34	17.14		101	CM	Bulk
19-10-16	43309	19.09	10.77	17.20		102	CM	Bulk
25-00-12	43305	26.04	0.00	12.53		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		102.76	108.69	103.20				
ALL SAMPLES,CV %		6.01	13.96	3.57				
NUMBER OF ANALYSIS		10	8	10				
Deficiency Rate = 0.00 %								
SS (LEBA) LEBANON SVC LEBANON KY 40033								
12-20-16	42936+	12.74	19.72	17.14		100	CM	Bulk
12-20-16	42941+	12.52	19.69	17.21		100	CM	Bulk
18-13-25	42938	17.79	12.80	25.86		98	CM	Bulk
18-13-25	42942	18.50	12.44	25.87		99	CM	Bulk
19-07-19	42937	19.45	7.78	21.31		102	CM	Bulk
20-19-17	42939	20.86	18.88	17.82		99	CM	Bulk
20-19-17	42940	20.51	19.97	17.14		100	CM	Bulk
27-11-14	42934	27.54	11.01	16.24		101	CM	Bulk
27-11-15	42933	26.78	12.39	14.90		100	CM	Bulk
27-11-15	42935	27.12	10.59	16.30		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.31	98.19	103.72				
ALL SAMPLES,CV %		1.39	4.66	3.56				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (LEIT) LEITCHFIELD COOP LEITCHFIELD KY 42754								
10-25-25	41807	10.76	25.52	26.68		101	CM	Bulk
19-19-19	41344	19.44	19.98	20.27		102	CM	Bulk
19-19-19	41805	19.56	19.50	20.12		102	CM	Bulk
19-19-19	41806	19.53	20.14	19.18		101	CM	Bulk
19-19-19	41808	19.63	20.30	19.16		102	CM	Bulk
19-19-19	41809	19.83	20.12	19.18		102	CM	Bulk
19-19-19	41810	19.24	19.88	19.85		101	CM	Bulk
19-19-19	41812	18.97	19.02	21.11		101	CM	Bulk
19-19-19	41813	19.23	19.92	20.05		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 8								
Average Analysis :		19.43	19.86	19.87		101.5		
CV, %		1.4	2.08	3.43				
20-15-20	41811	20.80	15.54	21.41		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (LEIT) LEITCHFIELD COOP LEITCHFIELD KY 42754								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.19	102.07	102.98				
ALL SAMPLES,CV %		1.18	2.16	2.95				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (LEXI) LEXINGTON COOP LEXINGTON KY 40508								
08-00-06	43426	8.63	0.00	6.57		103	CM	Bulk
08-00-06	43427	9.02	0.00	6.39		104	CM	Bulk
11-08-16	43429	11.69	8.04	17.14		100	CM	Bulk
17-00-21	43430+	17.41	0.00	22.34		101	CM	Bulk
17-00-25	43428	16.60	0.00	26.11		102	CM	Bulk
23-03-11	43434+	22.53	4.45	12.29		101	CM	Bulk
23-03-11	43435+	22.83	3.80	12.14		100	CM	Bulk
23-05-10	43431+	23.05	6.17	10.43		100	CM	Bulk
27-00-07	43432+	26.51	0.00	9.03		102	CM	Bulk
27-00-10	43433	28.18	0.00	10.53		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.10	108.47	104.91				
ALL SAMPLES,CV %		3.09	9.49	5.83				
NUMBER OF ANALYSIS		10	4	10				
Deficiency Rate = 0.00 %								
SS (LIBE) LIBERTY SVC LIBERTY KY 42539								
16-14-27	42003	16.16	13.90	27.71		100	CM	Bulk
16-14-27	42004	16.15	13.64	28.06		100	CM	Bulk
19-19-19	41307	19.43	20.55	18.82		101	CM	Bulk
19-19-19	42001	19.37	20.49	18.96		101	CM	Bulk
19-19-19	42002	19.45	19.04	19.67		100	CM	Bulk
19-19-19	42005	18.87	18.21	21.08		99	CM	Bulk
19-19-19	42006	19.29	20.00	18.91		100	CM	Bulk
19-19-19	42008	19.26	18.31	19.62		98	CM	Bulk
19-19-19	42009	19.33	19.20	19.18		99	CM	Bulk
19-19-19	42010	19.63	19.34	19.65		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 8								
Average Analysis :		19.33	19.39	19.49		100.1		
CV, %		1.13	4.63	3.76				
27-13-13	42007	27.54	13.44	14.24		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.90	99.61	101.02				
ALL SAMPLES,CV %		1.01	4.03	3.36				
NUMBER OF ANALYSIS		11	11	11				
Deficiency Rate = 0.00 %								
SS (LOND) LONDON COOP LONDON KY 40741								
05-20-20	42128	6.67	17.22 *	22.87		104	Blend	Bag
06-12-12	42127	5.70	11.33	12.57		98	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (LOND) LONDON COOP LONDON KY 40741								
10-10-10	42126	8.82 *	8.97 *	10.67		93 *	Blend	Bag
10-10-10	42423	10.66	11.18	10.73		108	Blend	Bag
10-26-26	42425	10.08	26.75	25.47		100	CM	Bulk
19-19-19	42125	18.33	17.52 *	22.17		100	Blend	Bag
19-19-19	42417	18.81	20.01	18.46		99	CM	Bulk
19-19-19	42419	19.15	19.61	20.72		102	CM	Bulk
19-19-19	42420	18.86	18.70	19.26		98	CM	Bulk
19-19-19	42421	19.10	19.60	18.29		98	CM	Bulk
19-19-19	42422	19.51	19.52	18.50		100	CM	Bulk
19-19-19	42424	18.37	17.99	20.90		99	Blend	Bag
19-19-19	42426	18.83	19.87	19.44		100	CM	Bulk
19-19-19	42427	19.00	18.93	20.20		99	CM	Bulk
19-19-19	42428	18.64	19.98	20.53		101	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 10								
Average Analysis :		18.86	19.17	19.85		99.5		
CV, %		1.9	4.52	6.4				
9-23-30	42418	8.35	21.99	31.02		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.48	98.43	103.97				
ALL SAMPLES,CV %		9.86	6.42	6.28				
NUMBER OF ANALYSIS		16	16	16				
Deficiency Rate = 18.75 %								
SS (MADI) MADISONVILLE COOP MADISONVILLE KY 42431								
0-23-30	40466	0.00	23.64	30.57		102	CM	Bulk
0-23-30	40467	0.00	23.78	30.22		102	CM	Bulk
17-17-16	40238	18.33	17.07	16.59		102	CM	Bulk
19-19-19	42580	19.01	19.98	20.08		101	CM	Bulk
9-23-30	40464	8.95	23.38	30.39		101	CM	Bulk
9-23-30	40465	8.40	21.74	32.37		99	CM	Bulk
9-23-30	42578	8.85	22.82	30.64		100	CM	Bulk
9-23-30	42579	8.89	23.31	30.47		101	CM	Bulk
9-23-30	42581	8.80	22.72	30.92		100	CM	Bulk
9-23-30	42582	8.86	22.89	31.38		101	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 6								
Average Analysis :		8.79	22.81	31.03		100.4		
CV, %		2.25	2.58	2.41				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.79	100.44	102.48				
ALL SAMPLES,CV %		3.53	2.67	2.56				
NUMBER OF ANALYSIS		8	10	10				
Deficiency Rate = 0.00 %								
SS (MADIS) SEBRE BR MADISONVILLE KY 42431-1298								
09-23-30	40462	9.12	24.50	28.75		102	CM	Bulk
9-23-30	40401	7.63 *	20.29 *	34.73		98	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (MADIS) SEBRE BR MADISONVILLE KY 42431-1298								
9-23-30	40402	8.95	23.99	29.97		102	CM	Bulk
9-23-30	40403	8.44	23.22	31.34		101	CM	Bulk
9-23-30	40404	8.62	22.63	31.36		100	CM	Bulk
9-23-30	40405	8.71	23.42	31.64		102	CM	Bulk
9-23-30	40406	8.94	23.57	31.74		103	CM	Bulk
9-23-30	40461	8.29	21.91	31.99		99	CM	Bulk
9-23-30	40463	8.81	22.75	30.93		100	CM	Bulk
9-23-30	42583	10.25	25.30	27.52 *		104	CM	Bulk
Statistical Analysis for Grade : 9-23-30								
Number of Samples This Grade : 9								
Average Analysis :		8.74	23.01	31.25		101.0		
CV, %		8	6.06	6.06				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.51	100.68	103.32				
ALL SAMPLES,CV %		7.63	6.04	6.3				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
SS (MAYS) MAYSVILLE COOP MAYSVILLE KY 41056-0668								
06-13-20	43205	6.91	13.66	21.91	*	103	CM	Bulk
08-09-37	42996+	8.42	9.33	38.76		100	CM	Bulk
11-08-12	43211	10.75	8.25	13.18		101	CM	Bulk
14-09-15	43209	14.93	10.17	15.64		102	CM	Bulk
16-09-14	43210	16.35	9.97	14.12		100	CM	Bulk
18-13-20	43208	18.74	13.85	21.75		101	CM	Bulk
19-19-19	42527	18.72	21.31	19.03		101	CM	Bulk
19-19-19	42993	19.36	20.40	19.14		101	CM	Bulk
22-16-15	42995	23.17	16.66	15.35		101	CM	Bulk
23-17-15	42528	23.73	16.96	14.97		99	CM	Bulk
38-00-09	43206	38.92	0.00	9.54		100	CM	Bulk
38-00-09	43207	38.90	0.00	10.27		101	CM	Bulk
38-00-11	42994	38.11	0.00	10.73		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.40	101.61	101.76				
ALL SAMPLES,CV %		1.49	3.8	3.56				
NUMBER OF ANALYSIS		13	10	13				
Deficiency Rate = 0.00 %								
SS (MORG) MORGANFIELD COOP MORGANFIELD KY 42437								
0-18-36	40546	0.00	18.75	36.60		102	CM	Bulk
0-18-36	40547	0.00	18.71	36.79		102	CM	Bulk
02-12-46	40372	2.75	11.93	47.66		102	CM	Bulk
02-12-46	40373	2.41	11.16	47.87		100	CM	Bulk
03-15-41	40347	3.39	14.86	43.42		100	CM	Bulk
03-15-41	40348	3.51	16.11	43.31		103	CM	Bulk
03-16-19	40346	4.35	16.70	21.08		105	CM	Bulk
04-11-36	40370	4.43	10.79	37.01		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (MORG) MORGANFIELD COOP		MORGANFIELD	KY 42437					
04-18-38	40349	3.89	17.87	39.90		100	CM	Bulk
04-18-38	40350	4.16	18.91	39.39		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		104.35	98.49	103.23				
ALL SAMPLES,CV %		8.65	4.01	1.68				
NUMBER OF ANALYSIS		8	10	10				
Deficiency Rate = 0.00 %								

SS (MURR) CALLOWAY SVC		MURRAY	KY 42071					
04-12-15	40202	5.55	12.28	15.52		103	CM	Bulk
04-12-15	40203	5.82	12.70	17.05		109	CM	Bulk
04-12-15	40204	6.07	12.77	17.41		111	CM	Bulk
05-13-13	40201	6.71	15.28	14.28		114	CM	Bulk
17-15-20	41464	16.78	16.29	19.52		100	CM	Bulk
17-15-20	41465	16.48	15.30	20.85		99	CM	Bulk
17-15-20	41466	17.68	16.31	20.35		103	CM	Bulk
17-15-20	41467	18.24	16.38	18.20 *		102	CM	Bulk
7-19-34	41876	7.29	20.48	33.70		100	CM	Bulk
7-19-34	41877	7.36	19.94	34.44		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		108.38	104.89	101.78				
ALL SAMPLES,CV %		12.8	3.54	5.81				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								

SS (NICH) NICHOLASVILLE SVC		NICHOLASVILLE	KY 40356					
04-00-06	43298	4.50	0.00	5.86		99	CM	Bulk
04-00-06	43299	4.35	0.00	6.54		104	CM	Bulk
04-00-06	43301	4.56	0.00	6.68		107	CM	Bulk
04-00-06	43302	4.53	0.00	7.52		115	CM	Bulk
09-00-09	43303	9.55	0.00	8.91		100	CM	Bulk
12-00-17	43300	12.21	0.00	17.74		100	CM	Bulk
16-00-24	43297	17.39	0.00	25.17		102	CM	Bulk
22-05-14	43295	22.65	5.41	15.36		103	CM	Bulk
22-05-14	43296	22.59	4.92	14.61		100	CM	Bulk

SS (OWEN) COOP OWENSBORO		OWENSBORO	KY 42301					
06-15-20	40262	6.92	16.67	20.92		108	CM	Bulk
09-22-29	42524+	8.33	22.35	29.66		100	CM	Bulk
09-23-29	40377	9.23	24.68	29.58		103	CM	Bulk
09-23-30	40261	8.86	23.25	30.07		100	CM	Bulk
09-23-30	40378	9.27	24.07	29.95		103	CM	Bulk
09-23-30	40379	9.03	23.63	29.96		101	CM	Bulk
09-23-30	40380	8.86	22.79	30.87		100	CM	Bulk
09-23-30	40381	8.72	23.04	30.74		100	CM	Bulk
09-23-30	40382	9.21	23.45	29.89		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (OWEN) COOP OWENSBORO OWENSBORO KY 42301								
Statistical Analysis for Grade : 09-23-30								
Number of Samples This Grade : 6								
Average Analysis :		8.99	23.37	30.25		101.0		
CV, %		2.41	1.94	1.45				
5-15-39	42523+	5.69	14.89	40.23		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.92	102.46	101.27				
ALL SAMPLES,CV %		5.57	3.12	1.73				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								
SS (OWEN) OWENTON COOP, INC OWENTON KY 40359								
09-06-34	43218	9.36	4.81 *	35.37		101	CM	Bulk
12-08-34	43212+	11.78	9.15	36.62		101	CM	Bulk
12-13-25	43217	10.27 *	12.64	29.91		104	CM	Bulk
12-13-26	43220	12.26	12.82	27.24		102	CM	Bulk
14-16-24	43213	14.45	16.39	24.76		101	CM	Bulk
16-10-16	43214	17.46	10.44	16.44		101	CM	Bulk
16-10-16	43215	16.98	9.99 *	16.36		99	CM	Bulk
19-13-20	43216	19.39	13.38	20.86		100	CM	Bulk
19-13-20	43219	19.57	14.17	20.63		101	CM	Bulk
27-13-13	42629	27.31	12.18 *	14.15		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.85	95.33	103.73				
ALL SAMPLES,CV %		5.87	7.85	4.27				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 40.00 %								
SS (OWIN) OWINGSVILLE SVC OWINGSVILLE KY 40360								
00-20-33	43447	0.00	21.13	33.38		102	CM	Bulk
06-11-17	43444	6.17	11.88	18.88		103	CM	Bulk
09-08-12	43448	10.89	8.36	12.52		108	CM	Bulk
09-18-27	43437	9.46	18.20	28.61		101	CM	Bulk
09-18-28	43446	9.15	18.26	29.18		101	CM	Bulk
10-06-20	43438	9.71	6.78	22.00		103	CM	Bulk
14-16-24	43445	14.76	15.28	24.45		100	CM	Bulk
17-14-22	43436	16.85	14.32	23.23		101	CM	Bulk
18-13-20	43440	18.37	13.02	22.55		101	CM	Bulk
18-14-21	43439	17.12	13.93	21.87		99	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.64	99.28	103.62				
ALL SAMPLES,CV %		8.04	4.13	2.52				
NUMBER OF ANALYSIS		9	10	10				
Deficiency Rate = 0.00 %								
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
00-00-00	40861+	0.00	0.00	0.00			Mat	Bulk
00-00-22	41449+	0.00	0.00	21.42		97	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
00-00-22	42092+	0.00	0.00	21.45		98	Mat	Bulk
00-00-50	41147	0.00	0.00	51.73		103	Mat	Bulk
00-00-50	41187	0.00	0.00	50.14		100	Mat	Bulk
00-00-50	41254	0.00	0.00	48.74		97	Mat	Bulk
00-00-50	41301	0.00	0.00	51.76		104	Mat	Bulk
00-00-50	41446	0.00	0.00	51.44		103	Mat	Bulk
00-00-50	42020	0.00	0.00	50.86		102	Mat	Bulk
00-00-50	42061	0.00	0.00	51.89		104	Mat	Bulk
00-00-50	42086	0.00	0.00	50.88		102	Mat	Bulk
00-00-50	42097	0.00	0.00	50.91		102	Mat	Bulk
00-00-50	42477	0.00	0.00	51.50		103	Mat	Bulk
00-00-50	42496	0.00	0.00	50.57		101	Mat	Bulk
00-00-50	42572	0.00	0.00	51.94		104	Mat	Bulk
00-00-50	42622	0.00	0.00	51.95		104	Mat	Bulk
00-00-50	42631	0.00	0.00	51.94		104	Mat	Bulk
00-00-50	42660	0.00	0.00	52.33		105	Mat	Bulk
00-00-50	42850	0.00	0.00	51.57		103	Mat	Bulk
00-00-50	43044	0.00	0.00	51.98	*	104	Mat	Bulk
00-00-50	43048	0.00	0.00	51.59		103	Mat	Bulk
00-00-50	43179	0.00	0.00	50.70		101	Mat	Bulk
00-00-50	43323	0.00	0.00	50.94		102	Mat	Bulk
00-00-50	43528	0.00	0.00	50.78		102	Mat	Bulk
Statistical Analysis for Grade : 00-00-50								
Number of Samples This Grade : 21								
Average Analysis :		0.00	0.00	51.24		102.5		
CV, %		0	0	1.6				
00-00-60	40170	0.00	0.00	60.71		101	Mat	Bulk
00-00-60	40243	0.00	0.00	61.78		103	Mat	Bulk
00-00-60	40336	0.00	0.00	60.79		101	Mat	Bulk
00-00-60	40613	0.00	0.00	60.21		100	Mat	Bulk
00-00-60	40642	0.00	0.00	60.44		101	Mat	Bulk
00-00-60	40671	0.00	0.00	59.18		99	Mat	Bulk
00-00-60	40675	0.00	0.00	59.33		99	Mat	Bulk
00-00-60	40699	0.00	0.00	59.00		98	Mat	Bulk
00-00-60	40702	0.00	0.00	60.72		101	Mat	Bulk
00-00-60	40712	0.00	0.00	59.30		99	Mat	Bulk
00-00-60	40714	0.00	0.00	59.86		100	Mat	Bulk
00-00-60	40721	0.00	0.00	59.47		99	Mat	Bulk
00-00-60	40747	0.00	0.00	60.37		101	Mat	Bulk
00-00-60	40751	0.00	0.00	60.94		102	Mat	Bulk
00-00-60	40766	0.00	0.00	61.08		102	Mat	Bulk
00-00-60	40779	0.00	0.00	60.09		100	Mat	Bulk
00-00-60	40795	0.00	0.00	60.50		101	Mat	Bulk
00-00-60	40830	0.00	0.00	59.58		99	Mat	Bulk
00-00-60	40842	0.00	0.00	60.47		101	Mat	Bulk
00-00-60	40848	0.00	0.00	59.67		99	Mat	Bulk
00-00-60	40860	0.00	0.00	60.00		100	Mat	Bulk
00-00-60	40877	0.00	0.00	60.35		101	Mat	Bulk
00-00-60	40885	0.00	0.00	61.15		102	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
00-00-60	40940	0.00	0.00	60.03		100	Mat	Bulk
00-00-60	41101	0.00	0.00	61.48		102	Mat	Bulk
00-00-60	41138	0.00	0.00	61.89		103	Mat	Bulk
00-00-60	41145	0.00	0.00	61.66		103	Mat	Bulk
00-00-60	41159	0.00	0.00	61.22		102	Mat	Bulk
00-00-60	41188	0.00	0.00	61.96		103	Mat	Bulk
00-00-60	41248	0.00	0.00	59.98		100	Mat	Bulk
00-00-60	41253	0.00	0.00	59.71		100	Mat	Bulk
00-00-60	41294	0.00	0.00	61.27		102	Mat	Bulk
00-00-60	41300	0.00	0.00	59.63		99	Mat	Bulk
00-00-60	41576	0.00	0.00	60.74		101	Mat	Bulk
00-00-60	41648	0.00	0.00	59.92		100	Mat	Bulk
00-00-60	41974	0.00	0.00	61.12		102	Mat	Bulk
00-00-60	41976	0.00	0.00	62.00		103	Mat	Bulk
00-00-60	41985	0.00	0.00	61.15		102	Mat	Bulk
00-00-60	42018	0.00	0.00	61.98		103	Mat	Bulk
00-00-60	42022	0.00	0.00	61.38		102	Mat	Bulk
00-00-60	42059	0.00	0.00	61.12		102	Mat	Bulk
00-00-60	42090	0.00	0.00	61.91		103	Mat	Bulk
00-00-60	42099	0.00	0.00	60.71		101	Mat	Bulk
00-00-60	42170	0.00	0.00	60.23		100	Mat	Bulk
00-00-60	42445	0.00	0.00	61.74		103	Mat	Bulk
00-00-60	42478	0.00	0.00	60.77		101	Mat	Bulk
00-00-60	42620	0.00	0.00	60.54		101	Mat	Bulk
00-00-60	42633	0.00	0.00	60.43		101	Mat	Bulk
00-00-60	43089	0.00	0.00	60.11		100	Mat	Bulk
00-00-60	43104	0.00	0.00	60.61		101	Mat	Bulk
00-00-60	43175	0.00	0.00	62.14		104	Mat	Bulk
00-00-60	43527	0.00	0.00	61.26		102	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 52								
Average Analysis :		0.00	0.00	60.65		101.1		
CV, %		0	0	1.37				
00-45-00	42085	0.00	45.90	0.00		102	Mat	Bulk
00-46-00	40169	0.00	45.73	0.00		99	Mat	Bulk
00-46-00	40242	0.00	45.87	0.00		100	Mat	Bulk
00-46-00	40335	0.00	45.24	0.00		98	Mat	Bulk
00-46-00	40645	0.00	46.92	0.00		102	Mat	Bulk
00-46-00	40674	0.00	46.65	0.00		101	Mat	Bulk
00-46-00	40859	0.00	46.78	0.00		102	Mat	Bulk
00-46-00	40884	0.00	46.72	0.00		102	Mat	Bulk
00-46-00	41649	0.00	47.03	0.00		102	Mat	Bulk
00-46-00	42019	0.00	46.66	0.00		101	Mat	Bulk
00-46-00	42024	0.00	45.40	0.00		99	Mat	Bulk
00-46-00	42098	0.00	46.07	0.00		100	Mat	Bulk
00-46-00	42165	0.00	46.24	0.00		101	Mat	Bulk
00-46-00	42662	0.00	47.19	0.00		103	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
Statistical Analysis for Grade : 00-46-00								
Number of Samples This Grade : 13								
Average Analysis :		0.00	46.35	0.00		100.8		
CV, %		0	1.37	0				
05-10-15	42878+	4.99	10.03	17.54		107	Blend	Bag
05-10-15	43021+	4.79	8.97 *	17.49		102	Blend	Bag
05-10-15	43035+	4.67	9.86	16.73		102	Blend	Bag
10-10-10	40563	10.12	9.64	9.62		98	Blend	Bag
10-10-10	40676	9.20	10.81	10.12		99	Blend	Bag
10-10-10	40832	9.30	10.16	11.27		100	Blend	Bag
10-10-10	41273	9.59	9.14	10.96		98	Blend	Bag
10-10-10	41564	9.53	9.95	10.24		98	Blend	Bag
10-10-10	43017	9.16	10.28	9.96		97	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 6								
Average Analysis :		9.48	10.00	10.36		98.5		
CV, %		3.76	5.71	6.05				
11-52-00	40334	11.15	51.53	0.00		99	Mat	Bulk
11-52-00	40883	15.05	48.20 *	0.00		103	Mat	Bulk
16-04-08	41276	15.55	4.26	7.79		98	Blend	Bag
18-46-00	40168	17.55	45.88	0.00		99	Mat	Bulk
18-46-00	40241	17.64	46.05	0.00		100	Mat	Bulk
18-46-00	40333	17.76	45.89	0.00		99	Mat	Bulk
18-46-00	40614	17.39	45.54	0.00		98	Mat	Bulk
18-46-00	40644	17.48	46.39	0.00		100	Mat	Bulk
18-46-00	40670	17.44	45.98	0.00		99	Mat	Bulk
18-46-00	40673	17.45	45.53	0.00		98	Mat	Bulk
18-46-00	40688	17.82	46.67	0.00		101	Mat	Bulk
18-46-00	40698	17.52	46.45	0.00		100	Mat	Bulk
18-46-00	40701	17.95	46.67	0.00		101	Mat	Bulk
18-46-00	40715	17.83	46.29	0.00		100	Mat	Bulk
18-46-00	40720	17.20	46.48	0.00		99	Mat	Bulk
18-46-00	40746	17.78	46.57	0.00		100	Mat	Bulk
18-46-00	40754	17.94	45.77	0.00		100	Mat	Bulk
18-46-00	40769	17.69	46.59	0.00		100	Mat	Bulk
18-46-00	40781	17.82	45.79	0.00		99	Mat	Bulk
18-46-00	40797	17.44	45.83	0.00		99	Mat	Bulk
18-46-00	40829	17.85	45.64	0.00		99	Mat	Bulk
18-46-00	40843	17.69	46.18	0.00		100	Mat	Bulk
18-46-00	40846	17.89	45.98	0.00		100	Mat	Bulk
18-46-00	40858	17.19	44.73	0.00		97 *	Mat	Bulk
18-46-00	40876	17.93	45.85	0.00		100	Mat	Bulk
18-46-00	40882	17.96	45.66	0.00		99	Mat	Bulk
18-46-00	40943	17.65	44.90	0.00		98	Mat	Bulk
18-46-00	40944	18.22	45.44	0.00		100	Mat	Bulk
18-46-00	41100	17.61	45.54	0.00		99	Mat	Bulk
18-46-00	41139	17.17	45.66	0.00		98	Mat	Bulk
18-46-00	41146	18.45	45.63	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
18-46-00	41158	17.77	45.89	0.00		99	Mat	Bulk
18-46-00	41189	17.82	45.79	0.00		99	Mat	Bulk
18-46-00	41247	16.69	45.77	0.00		97	Mat	Bulk
18-46-00	41252	17.76	45.50	0.00		99	Mat	Bulk
18-46-00	41293	17.65	45.71	0.00		99	Mat	Bulk
18-46-00	41303	17.51	45.72	0.00		99	Mat	Bulk
18-46-00	41444	18.36	46.04	0.00		101	Mat	Bulk
18-46-00	41577	18.17	45.85	0.00		100	Mat	Bulk
18-46-00	41647	17.47	46.03	0.00		99	Mat	Bulk
18-46-00	41979	17.98	45.84	0.00		100	Mat	Bulk
18-46-00	41980	18.11	46.24	0.00		101	Mat	Bulk
18-46-00	41983	18.44	45.80	0.00		101	Mat	Bulk
18-46-00	42017	18.46	46.63	0.00		102	Mat	Bulk
18-46-00	42026	18.35	45.93	0.00		101	Mat	Bulk
18-46-00	42060	17.68	45.51	0.00		99	Mat	Bulk
18-46-00	42091	17.68	46.14	0.00		100	Mat	Bulk
18-46-00	42096	17.67	46.59	0.00		100	Mat	Bulk
18-46-00	42100	17.80	46.24	0.00		100	Mat	Bulk
18-46-00	42168	17.96	45.96	0.00		100	Mat	Bulk
18-46-00	42169	18.06	46.23	0.00		100	Mat	Bulk
18-46-00	42444	17.84	46.69	0.00		101	Mat	Bulk
18-46-00	42480	17.80	46.82	0.00		101	Mat	Bulk
18-46-00	42495	17.83	46.98	0.00		101	Mat	Bulk
18-46-00	42564	17.66	46.41	0.00		100	Mat	Bulk
18-46-00	42623	17.73	45.71	0.00		99	Mat	Bulk
18-46-00	42632	17.46	46.12	0.00		99	Mat	Bulk
18-46-00	42659	17.59	46.20	0.00		99	Mat	Bulk
18-46-00	43526	17.83	45.89	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 56								
Average Analysis :		17.76	46.00	0.00		99.5		
CV, %		1.88	0.97	0				
21-00-00	41448+	20.88	0.00	0.00		99	Mat	Bulk
28-00-00	42892	26.92	0.00	0.00		96 *	Mat	Liq
28-00-00	43285	28.00	0.00	0.00		100	Mat	Liq
30-00-00	42975	30.00	0.00	0.00		100	Mat	Liq
30-00-00	43287	30.00	0.00	0.00		100	Mat	Liq
30-00-00	43288	30.00	0.00	0.00		100	Mat	Liq
32-00-00	41163	32.00	0.00	0.00		100	Mat	Liq
32-00-00	41342	32.00	0.00	0.00		100	Mat	Liq
32-00-00	41468	32.00	0.00	0.00		100	Mat	Liq
32-00-00	41893	32.00	0.00	0.00		100	Mat	Liq
32-03-04	41622+	31.04	4.06	5.16		101	Blend	Bag
34-00-00	40748	34.50	0.00	0.00		103	Mat	Bulk
34-00-00	40753	34.02	0.00	0.00		100	Mat	Bulk
34-00-00	40767	34.11	0.00	0.00		100	Mat	Bulk
34-00-00	40780	33.88	0.00	0.00		100	Mat	Bulk
34-00-00	40798	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	40828	34.50	0.00	0.00		101	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
34-00-00	40849	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	40942	34.11	0.00	0.00		100	Mat	Bulk
34-00-00	41131	34.26	0.00	0.00		101	Mat	Bulk
34-00-00	41141	33.93	0.00	0.00		100	Mat	Bulk
34-00-00	41160	33.84	0.00	0.00		100	Mat	Bulk
34-00-00	41255	34.00	0.00	0.00		100	Mat	Bulk
34-00-00	41299	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	41445	34.03	0.00	0.00		100	Mat	Bulk
34-00-00	41646	33.93	0.00	0.00		100	Mat	Bulk
34-00-00	41975	34.16	0.00	0.00		100	Mat	Bulk
34-00-00	41982	34.40	0.00	0.00		101	Mat	Bulk
34-00-00	42023	34.02	0.00	0.00		100	Mat	Bulk
34-00-00	42084	33.97	0.00	0.00		100	Mat	Bulk
34-00-00	42102	33.86	0.00	0.00		100	Mat	Bulk
34-00-00	42568	33.43	0.00	0.00		98	Mat	Bulk
34-00-00	42619	34.10	0.00	0.00		100	Mat	Bulk
34-00-00	42630	34.44	0.00	0.00		101	Mat	Bulk
34-00-00	42661	34.25	0.00	0.00		101	Mat	Bulk
34-00-00	42851	33.79	0.00	0.00		99	Mat	Bulk
34-00-00	43529	33.79	0.00	0.00		99	Mat	Bulk
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 26								
Average Analysis :		34.11	0.00	0.00		100.4		
CV, %		0.82	0	0				
46-00-00	40167	46.20	0.00	0.00		100	Mat	Bulk
46-00-00	40239	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	40332	46.06	0.00	0.00		100	Mat	Bulk
46-00-00	40615	45.80	0.00	0.00		100	Mat	Bulk
46-00-00	40643	45.89	0.00	0.00		100	Mat	Bulk
46-00-00	40669	45.73	0.00	0.00		99	Mat	Bulk
46-00-00	40672	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	40689	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	40697	45.85	0.00	0.00		100	Mat	Bulk
46-00-00	40700	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	40713	45.82	0.00	0.00		100	Mat	Bulk
46-00-00	40722	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	40745	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	40752	45.83	0.00	0.00		100	Mat	Bulk
46-00-00	40768	46.01	0.00	0.00		100	Mat	Bulk
46-00-00	40778	45.80	0.00	0.00		100	Mat	Bulk
46-00-00	40796	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	40831	45.92	0.00	0.00		100	Mat	Bulk
46-00-00	40844	45.99	0.00	0.00		100	Mat	Bulk
46-00-00	40847	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	40857	46.01	0.00	0.00		100	Mat	Bulk
46-00-00	40875	45.94	0.00	0.00		100	Mat	Bulk
46-00-00	40881	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	40941	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	41130	45.71	0.00	0.00		99	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) COOP INC FERT DIV RICHMOND VA 23260								
46-00-00	41140	45.75	0.00	0.00		99	Mat	Bulk
46-00-00	41148	45.87	0.00	0.00		100	Mat	Bulk
46-00-00	41246	45.91	0.00	0.00		100	Mat	Bulk
46-00-00	41292	45.65	0.00	0.00		99	Mat	Bulk
46-00-00	41302	45.85	0.00	0.00		100	Mat	Bulk
46-00-00	41447	45.31	0.00	0.00		98	Mat	Bulk
46-00-00	41977	45.38	0.00	0.00		99	Mat	Bulk
46-00-00	41978	45.74	0.00	0.00		99	Mat	Bulk
46-00-00	41984	45.69	0.00	0.00		99	Mat	Bulk
46-00-00	42025	46.10	0.00	0.00		100	Mat	Bulk
46-00-00	42062	46.01	0.00	0.00		100	Mat	Bulk
46-00-00	42063	45.70	0.00	0.00		99	Mat	Bulk
46-00-00	42101	46.16	0.00	0.00		100	Mat	Bulk
46-00-00	42166	45.92	0.00	0.00		100	Mat	Bulk
46-00-00	42167	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	42443	45.98	0.00	0.00		100	Mat	Bulk
46-00-00	42479	46.13	0.00	0.00		100	Mat	Bulk
46-00-00	42497	45.96	0.00	0.00		100	Mat	Bulk
46-00-00	42562	46.19	0.00	0.00		100	Mat	Bulk
46-00-00	42621	45.93	0.00	0.00		100	Mat	Bulk
46-00-00	42634	46.08	0.00	0.00		100	Mat	Bulk
46-00-00	42658	46.16	0.00	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 47								
Average Analysis :		45.90	0.00	0.00		99.8		
CV, %		0.39	0	0				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.41	100.40	102.28				
ALL SAMPLES,CV %		3.61	4.52	4.4				
NUMBER OF ANALYSIS		152	83	86				
Deficiency Rate = 1.65 %								
SS (RICH) RICHMOND SVC RICHMOND KY 40475								
10-13-29	42956	9.73	14.44	30.50		101	CM	Bulk
11-23-23	42954	11.82	24.10	24.30		102	CM	Bulk
11-23-23	42955	11.81	24.26	24.10		102	CM	Bulk
19-19-19	42952	19.70	20.75	19.13		103	CM	Bulk
19-19-19	42953	19.09	19.65	20.25		101	CM	Bulk
19-19-19	42957	18.57	19.21	21.28		101	CM	Bulk
19-19-19	42958	18.98	19.87	18.65		99	CM	Bulk
19-19-19	42959	19.48	19.79	18.86		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		19.16	19.85	19.63		100.7		
CV, %		2.3	2.83	5.64				
28-12-12	40938	27.86	13.36	13.19		100	CM	Bulk
28-12-12	40939	27.76	12.67	12.95		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RICH) RICHMOND SVC RICHMOND KY 40475								
28-12-12	41061	27.78	12.66	14.44		100	CM	Bulk
28-12-12	42932	27.10	12.60	15.61		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.34	102.24	104.36				
ALL SAMPLES,CV %		1.72	2.3	6.53				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 0.00 %								
SS (RUSS) COOP, INC. RUSSELLVILLE KY 42276								
00-00-20	40750+	0.00	0.00	21.78		109	Blend	Bag
05-10-15	40804	5.07	9.23	15.36		100	Blend	Bag
05-10-15	41661	4.99	9.29	15.65		101	Blend	Bag
05-10-15	43046	3.79 *	7.30 *	16.21		93 *	Blend	Bag
05-10-15	43152+	3.96 *	8.22 *	16.78		93 *	Blend	Bag
05-10-15	43190	4.61 *	8.73 *	15.96		99	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 5								
Average Analysis :		4.48	8.56	15.99		96.9		
CV, %		13.08	9.63	3.4				
06-24-24	40696	6.52	25.52	22.94		103	Blend	Bag
06-24-24	41082	6.48	25.71	22.93		103	Blend	Bag
06-24-24	41275	5.89	24.41	24.34		101	Blend	Bag
06-24-24	41598	6.33	24.33	24.14		102	Blend	Bag
06-24-24	42248	8.69	23.20	25.68		108	Blend	Bag
06-24-24	43153	7.11	26.67	22.26 *		106	Blend	Bag
06-24-24	43193	8.48	23.98	24.14		107	Blend	Bag
Statistical Analysis for Grade : 06-24-24								
Number of Samples This Grade : 7								
Average Analysis :		7.07	24.83	23.78		104.4		
CV, %		15.49	4.77	4.84				
10-10-10	40694	8.92 *	9.63	10.37		95 *	Blend	Bag
10-10-10	40785	10.38	11.42	10.71		108	Blend	Bag
10-10-10	40802	9.15	9.56	9.47		94 *	Blend	Bag
10-10-10	40811	9.68	8.77 *	10.71		96 *	Blend	Bag
10-10-10	41083	9.30	9.56	10.83		97	Blend	Bag
10-10-10	41565	9.30	9.67	10.52		97	Blend	Bag
10-10-10	41600	8.34 *	8.90 *	11.01		91 *	Blend	Bag
10-10-10	41660	10.59	11.41	9.99		107	Blend	Bag
10-10-10	42247	9.94	10.33	10.31		102	Blend	Bag
10-10-10	42879	9.02 *	9.18	10.27		94 *	Blend	Bag
10-10-10	43032	9.66	9.79	10.79		100	Blend	Bag
10-10-10	43045	9.87	10.20	9.93		100	Blend	Bag
10-10-10	43151	8.52 *	8.68 *	10.88		91 *	Blend	Bag
10-10-10	43188	8.47 *	9.73	10.13		93 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (RUSS) COOP, INC. RUSSELLVILLE KY 42276								
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 14								
Average Analysis :		9.37	9.77	10.42		97.4		
CV, %		7.41	8.67	4.2				
12-24-24	42881	12.54	24.51	24.57		103	Blend	Bag
15-15-15	40695	14.13	16.14	14.82		100	Blend	Bag
15-15-15	40801	13.95	15.41	15.94		101	Blend	Bag
15-15-15	40834	15.06	16.11	14.67		102	Blend	Bag
15-15-15	42249	15.66	15.64	15.32		104	Blend	Bag
19-19-19	40749	18.27	19.75	20.12		101	Blend	Bag
19-19-19	40803	19.68	19.50	18.94		102	Blend	Bag
19-19-19	40833	18.70	19.46	20.04		101	Blend	Bag
19-19-19	41084	17.78	19.55	20.99		100	Blend	Bag
19-19-19	41274	17.04 *	18.33	22.19		98	Blend	Bag
19-19-19	41599	18.27	19.98	20.28		102	Blend	Bag
19-19-19	42695	17.66	19.33	21.75		101	Blend	Bag
19-19-19	42880	17.72	19.51	21.59		101	Blend	Bag
19-19-19	43033	16.15 *	18.43	25.75		100	Blend	Bag
19-19-19	43187	18.02	19.07	21.41		101	Blend	Bag
19-19-19	43406	19.19	19.43	19.88		102	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 11								
Average Analysis :		18.04	19.30	21.17		100.9		
CV, %		5.38	2.64	8.5				
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.23	99.09	105.29				
ALL SAMPLES,CV %		13.34	8.28	6.84				
NUMBER OF ANALYSIS		42	42	43				
Deficiency Rate = 30.23 %								

SS (RUSS) RUSSELL SPRINGS BR RUSSELL SPRINGS KY 42642								
10-25-26	42011	10.39	26.94	26.82		103	CM	Bulk
19-19-19	42015	19.50	18.31	19.49		99	CM	Bulk
22-10-14	42012	22.06	9.45	15.91		100	CM	Bulk
24-11-16	42014	25.06	11.43	16.30		102	CM	Bulk
25-11-17	42013	24.31	12.48	18.31		100	CM	Bulk

SS (RUSS) RUSSELLVILLE COOP RUSSELLVILLE KY 42276								
08-21-28	40251	8.38	21.45	29.89		101	CM	Bulk
09-25-24	40245	9.86	25.48	25.56		101	CM	Bulk
09-25-24	40246	9.77	25.42	25.88		101	CM	Bulk
09-25-24	40247	9.61	25.76	25.67		101	CM	Bulk
10-26-22	40244	10.11	26.45	23.33		100	CM	Bulk
12-31-19	40186	12.18	31.31	19.61		100	CM	Bulk
17-17-17	41450	17.79	16.10 *	18.01		97	CM	Bulk
19-19-19	41443	18.04	20.55	20.52		100	CM	Bulk
19-19-19	41452	18.72	20.61	18.66		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SS (RUSS) RUSSELLVILLE COOP	RUSSELLVILLE KY 42276							
26-23-0	41451	26.84	20.65 *	0.00		98	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.19	99.32	102.38				
ALL SAMPLES,CV %		2.78	5.63	2.72				
NUMBER OF ANALYSIS		10	10	9				
Deficiency Rate = 20.00 %								

SS (SHEL) SHELBYVILLE COOP	SHELBYVILLE KY 40065							
02-06-51	43230	3.47	8.26	49.25 *		103	CM	Bulk
06-15-39	42891	5.65	14.56	41.52		99	CM	Bulk
15-15-23	43229	14.54	15.77	23.44		100	CM	Bulk
18-17-17	42295+	16.88	16.86	19.71		98	CM	Bulk
19-19-19	42297	18.72	18.03	20.46		98	CM	Bulk
19-19-19	42298	18.85	18.69	20.14		99	CM	Bulk
22-11-17	43227	21.99	11.63	18.36		100	CM	Bulk
23-00-24	43228	22.49	0.00	24.97		99	CM	Bulk
23-15-16	42890	23.44	15.19	18.18		100	CM	Bulk
24-15-15	42893	23.23	15.51	16.75		98	CM	Bulk
25-13-16	42299	24.98	12.83	17.34		99	CM	Bulk
25-13-16	42300	27.64	12.05 *	15.54		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.45	97.80	103.65				
ALL SAMPLES,CV %		10.48	9.02	4.28				
NUMBER OF ANALYSIS		12	11	12				
Deficiency Rate = 16.67 %								

SS (SOME) SOMERSET COOP	SOMERSET KY 42501							
10-25-25	41172+	10.29	24.91	25.66		100	CM	Bulk
12-9-30	42466+	12.26	9.26	31.76		101	CM	Bulk
16-8-25	42463	16.65	7.89	25.34		99	CM	Bulk
17-15-20	41166	17.32	15.57	20.95		102	CM	Bulk
17-17-17	41165	17.86	18.13	17.86		101	CM	Bulk
17-17-17	41176	17.89	17.67	18.29		101	CM	Bulk
17-17-17	42462	17.44	18.20	17.50		100	CM	Bulk
19-19-19	41164	18.67	19.80	20.23		100	CM	Bulk
19-19-19	41171	19.61	19.79	19.09		101	CM	Bulk
19-19-19	42464	18.56	19.78	19.49		99	CM	Bulk
22-7-15	42461	22.97	7.60	14.77		100	CM	Bulk
6-25-26	42465	6.43	26.71	26.20		101	CM	Bulk
6-26-26	42459	6.08	25.90	27.17		100	CM	Bulk
6-26-26	42460	6.15	26.34	27.03		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.42	100.57	101.58				
ALL SAMPLES,CV %		2.45	2.27	2.35				
NUMBER OF ANALYSIS		14	14	14				
Deficiency Rate = 0.00 %								

SS (SPRI) LEBANON-SPRINGFIELD BR	SPRINGFIELD KY 40069							
16-12-19	42947	16.90	12.62	20.66		105	CM	Bulk

17-17-17

42949

17.98

17.58

19.24

102

CM

Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (SPRI) LEBANON-SPRINGFIELD BR SPRINGFIELD KY 40069								
18-16-16	42943	19.41	15.97	16.15		100	CM	Bulk
19-10-15	42944	19.30	10.83	15.48		99	CM	Bulk
19-10-15	42945	18.92	10.09	16.56		100	CM	Bulk
21-10-19	42948	21.50	10.43	19.90		100	CM	Bulk
23-11-11	42946	24.78	10.43	10.67		101	CM	Bulk
SS (STAN) STANFORD SVC STANFORD KY 40484								
06-24-24	43491+	5.83	24.35	25.80		100	CM	Bulk
09-00-48	42722	8.90	0.00	48.47		100	CM	Bulk
19-19-18	42727	19.57	19.31	19.12		100	CM	Bulk
19-19-19	42718	19.07	19.56	20.00		100	CM	Bulk
19-19-19	42719	19.41	18.62	19.92		99	CM	Bulk
19-19-19	42721	19.10	19.94	19.13		100	CM	Bulk
21-15-20	42720	21.14	15.39	20.20		100	CM	Bulk
23-16-16	42725	23.58	17.75	15.42		101	CM	Bulk
23-9-21	42726	23.81	9.84	21.17		100	CM	Bulk
32-9-9	42723	33.30	9.21	10.09		101	CM	Bulk
32-9-9	42724	33.21	8.77	10.46		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.96	98.65	102.76				
ALL SAMPLES,CV %		2.46	4.11	4.55				
NUMBER OF ANALYSIS		11	10	11				
Deficiency Rate = 0.00 %								
SS (WARS) GALLATIN SVC WARSAW KY 41095								
09-18-27	43128	9.41	18.29	28.14		101	CM	Bulk
09-23-30	43122	9.20	23.14	30.76		102	CM	Bulk
13-08-12	43123	14.47	8.49	13.48		105	CM	Bulk
17-16-20	43121	17.53	16.62	20.58		100	CM	Bulk
18-12-22	43126	17.29	11.99	24.09		101	CM	Bulk
18-12-22	43127	17.06	11.96	24.27	*	101	CM	Bulk
22-00-25	43129	20.58	0.00	27.81		101	CM	Bulk
23-11-17	43131	22.17	11.34	19.21		102	CM	Bulk
27-14-13	43125	27.02	15.19	13.71		102	CM	Bulk
35-07-07	43130	36.19	7.33	8.14		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.91	99.10	106.04				
ALL SAMPLES,CV %		4.02	3.65	3.86				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 0.00 %								
SS (WINC) CLARK COOP WINCHESTER KY 40391								
11-16-25	43347	11.34	16.05	26.07		102	CM	Bulk
14-15-20	43344	14.68	15.53	21.01		101	CM	Bulk
15-13-19	43348	16.14	13.30	20.30		102	CM	Bulk
15-13-19	43349	15.93	12.46	21.05		101	CM	Bulk
16-12-18	43342	16.98	12.90	18.99		101	CM	Bulk
16-12-18	43343	17.18	12.14	19.36		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (WINC) CLARK COOP WINCHESTER KY 40391								
17-15-16	43352	17.38	14.57	17.65		101	CM	Bulk
19-19-19	43346	19.04	18.15	20.34		98	CM	Bulk
19-19-19	43351	19.10	18.90	19.36		99	CM	Bulk
23-05-17	43345+	18.86 *	5.38	17.81		89 *	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.71	96.91	102.65				
ALL SAMPLES,CV %		6.97	3.02	2.41				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 10.00 %								
SS (WINC) COOP, INC. WINCHESTER KY 40391								
00-10-30	42531+	0.00	11.28	29.23		102	Blend	Bag
00-10-30	42930+	0.00	11.09	30.96		106	Blend	Bag
00-25-25	42067	0.00	23.89	27.01		101	Blend	Bag
00-25-25	42666	0.00	24.72	26.21		101	Blend	Bag
04-16-04	41175	4.73	16.64	4.79		109	Blend	Bag
04-16-04	41306	4.60	17.13	4.58		110	Blend	Bag
05-10-10	42201	6.07	10.71	11.19		113	Blend	Bag
05-10-10	42544	4.80	10.32	10.50		102	Blend	Bag
05-10-15	40001	5.10	9.87	14.56		98	Blend	Bag
05-10-15	42069	4.86	10.15	14.83		99	Blend	Bag
05-10-15	42094	6.22	9.56	16.80	*	110	Blend	Bag
05-10-15	42156	4.81	9.46	14.90		97	Blend	Bag
05-10-15	42481	4.70	9.90	14.65		97	Blend	Bag
05-10-15	42533	5.10	9.99	16.73		107	Blend	Bag
05-10-15	42536	4.25 *	8.16 *	18.95	*	107	Blend	Bag
05-10-15	42540	4.95	10.30	14.55		99	Blend	Bag
05-10-15	42551	4.67	9.64	14.00		94 *	Blend	Bag
05-10-15	42606	4.66	9.30	15.87		100	Blend	Bag
05-10-15	42618	4.63	9.31	16.09	*	101	Blend	Bag
05-10-15	42628	4.80	10.27	15.34		101	Blend	Bag
05-10-15	42642	4.61 *	9.34	14.84		96 *	Blend	Bag
05-10-15	42656	4.90	9.77	14.96		99	Blend	Bag
05-10-15	42687	4.47 *	9.30	16.90	*	103	Blend	Bag
05-10-15	42689	4.55 *	9.49	14.64		96 *	Blend	Bag
05-10-15	42925	4.76	9.88	14.30		96 *	Blend	Bag
05-10-15	42951	4.82	10.00	14.64		98	Blend	Bag
05-10-15	43016	4.53 *	9.11	16.05		100	Blend	Bag
05-10-15	43018	4.28 *	9.14	15.08		95 *	Blend	Bag
05-10-15	43124	4.68	9.35	15.42		99	Blend	Bag
05-10-15	43150	5.91	11.41	15.61		109	Blend	Bag
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 22								
Average Analysis :		4.83	9.67	15.44		100.1		
CV, %		9.47	6.37	7.38				
05-20-20	41282	5.13	20.88	19.10		101	Blend	Bag
05-20-20	42475	4.99	20.84	19.90		102	Blend	Bag
05-20-20	42607	5.23	21.10	21.12		105	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (WINC) COOP, INC. WINCHESTER KY 40391								
05-20-20	42644	5.08	20.66	19.91		102	Blend	Bag
05-20-20	42663	4.92	21.21	19.25		101	Blend	Bag
05-20-20	42929	5.17	21.72	20.26		105	Blend	Bag
05-20-20	43019	5.66	21.95	20.89		108	Blend	Bag
Statistical Analysis for Grade : 05-20-20								
Number of Samples This Grade : 7								
Average Analysis :		5.17	21.19	20.06		103.6		
CV, %		4.66	2.25	3.8				
06-12-12	41280	5.04 *	10.47 *	12.93		92 *	Blend	Bag
06-12-12	41285	5.74	11.59	11.87		97	Blend	Bag
06-12-12	42200	5.23 *	10.59 *	13.16		94 *	Blend	Bag
06-24-24	41170	6.05	18.67 *	30.23		98	Blend	Bag
06-24-24	42554	5.74	22.92	24.88		98	Blend	Bag
08-10-15	41971	11.79	12.69	14.47	*	117	Blend	Bag
08-10-15	42529	7.04 *	8.95 *	15.87		94 *	Blend	Bag
09-18-27	42155	8.33	16.53 *	29.71	*	102	Blend	Bag
09-18-27	42537	8.62	17.58	28.83		102	Blend	Bag
09-18-27	42928	8.78	18.97	28.35		104	Blend	Bag
09-18-27	43486	9.01	18.04	28.04		102	Blend	Bag
10-10-10	40116	8.84 *	8.82 *	10.18		91 *	Blend	Bag
10-10-10	40132	10.37	10.69	11.20		107	Blend	Bag
10-10-10	41168	8.86 *	9.22	10.41		93 *	Blend	Bag
10-10-10	41283	8.62 *	8.53 *	10.50		90 *	Blend	Bag
10-10-10	41284	9.58	9.68	10.59		98	Blend	Bag
10-10-10	41295	9.49	9.60	10.84		98	Blend	Bag
10-10-10	41304	9.40	10.07	10.00		98	Blend	Bag
10-10-10	41973	9.65	10.52	9.27		98	Blend	Bag
10-10-10	42066	9.34	9.53	11.45		99	Blend	Bag
10-10-10	42068	9.20	9.60	11.27		98	Blend	Bag
10-10-10	42088	10.72	11.00	10.78		108	Blend	Bag
10-10-10	42095	8.82 *	8.71 *	10.46		92 *	Blend	Bag
10-10-10	42154	9.37	9.89	10.48		98	Blend	Bag
10-10-10	42158	9.88	10.05	9.82		99	Blend	Bag
10-10-10	42296	9.77	10.18	11.85		104	Blend	Bag
10-10-10	42530	10.57	10.74	12.09		110	Blend	Bag
10-10-10	42535	9.27	9.25	11.23		97	Blend	Bag
10-10-10	42604	9.61	9.28	12.35		101	Blend	Bag
10-10-10	42616	9.12	11.20	10.81		102	Blend	Bag
10-10-10	42627	8.70 *	9.78	10.24		94 *	Blend	Bag
10-10-10	42643	8.75 *	9.57	10.81		95 *	Blend	Bag
10-10-10	42655	8.88 *	9.12	11.35		95 *	Blend	Bag
10-10-10	42664	8.07 *	8.64 *	8.99 *		85 *	Blend	Bag
10-10-10	42688	9.65	10.59	10.97		103	Blend	Bag
10-10-10	42927	9.72	9.17	17.22		113	Blend	Bag
10-10-10	42950	9.13	9.26	11.80		98	Blend	Bag
10-10-10	43015	9.24	9.14	11.84		98	Blend	Bag
10-10-10	43454	9.32	10.27	9.81		97	Blend	Bag
10-10-10	43487	9.47	10.49	9.65		98	Blend	Bag
10-10-10	43490	9.37	9.80	12.65		103	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (WINC) COOP, INC. WINCHESTER KY 40391								
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 30								
Average Analysis :		9.36	9.75	11.03		98.7		
CV, %		6.1	7.37	13.29				
10-10-20	42534	9.42	9.64	22.13	*	104	Blend	Bag
12-12-12	40117	11.40	11.63	13.35		100	Blend	Bag
12-12-12	42065	11.33	11.72	14.95		102	Blend	Bag
12-12-12	42159	11.91	12.16	12.58		101	Blend	Bag
12-12-12	42474	10.60 *	11.56	12.34		94 *	Blend	Bag
12-12-12	42541	11.18	12.51	12.91		100	Blend	Bag
12-12-12	42546	12.04	12.89	11.97		102	Blend	Bag
12-12-12	42552	11.38	12.04	12.24		98	Blend	Bag
Statistical Analysis for Grade : 12-12-12								
Number of Samples This Grade : 7								
Average Analysis :		11.41	12.07	12.91		99.8		
CV, %		4.18	4.07	7.83				
12-22-22	42882	11.77	21.91	22.90		100	Blend	Bag
15-15-15	41169	14.76	14.37	16.92		101	Blend	Bag
15-15-15	41173	13.94	14.29	16.75		98	Blend	Bag
15-15-15	41305	14.69	15.25	15.14		100	Blend	Bag
15-15-15	42160	14.30	14.92	15.57		99	Blend	Bag
15-15-15	42203	15.98	15.95	14.97		105	Blend	Bag
15-15-15	43515	14.44	14.46	16.92		102	Blend	Bag
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 6								
Average Analysis :		14.69	14.87	16.05		100.8		
CV, %		4.76	4.33	5.73				
19-19-19	40109	19.79	19.79	18.75		103	Blend	Bag
19-19-19	40562	19.18	19.60	18.46		101	Blend	Bag
19-19-19	41167	18.86	18.68	20.68		101	Blend	Bag
19-19-19	41281	18.77	19.67	20.13		102	Blend	Bag
19-19-19	41575	19.45	19.92	19.07		103	Blend	Bag
19-19-19	41972	18.39	19.52	20.58		101	Blend	Bag
19-19-19	42064	19.86	19.26	18.95		102	Blend	Bag
19-19-19	42093	20.10	20.04	19.18		105	Blend	Bag
19-19-19	42157	18.80	18.77	20.39		101	Blend	Bag
19-19-19	42161	18.70	19.37	20.10		101	Blend	Bag
19-19-19	42202	20.03	19.09	20.20		104	Blend	Bag
19-19-19	42476	18.49	20.51	19.23		102	Blend	Bag
19-19-19	42532	18.35	18.13	21.15		100	Blend	Bag
19-19-19	42538	18.86	18.24	20.42		100	Blend	Bag
19-19-19	42539	18.58	19.57	20.59		102	Blend	Bag
19-19-19	42545	19.52	19.98	19.44		103	Blend	Bag
19-19-19	42553	18.34	20.37	19.33		101	Blend	Bag
19-19-19	42605	18.05	18.88	21.77		101	Blend	Bag
19-19-19	42641	19.56	19.27	19.08		102	Blend	Bag
19-19-19	42649	18.71	19.67	19.62		101	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
SS (WINC) COOP, INC. WINCHESTER KY 40391								
19-19-19	42657	18.88	19.60	19.45		101	Blend	Bag
19-19-19	42686	19.80	19.89	18.75		103	Blend	Bag
19-19-19	42690	18.38	18.63	21.33		101	Blend	Bag
19-19-19	42926	19.05	19.29	19.68		101	Blend	Bag
19-19-19	42931	19.79	19.37	20.23		104	Blend	Bag
19-19-19	43020	18.08	18.58	21.56		100	Blend	Bag
19-19-19	43455	18.52	19.70	20.19		102	Blend	Bag
19-19-19	43489	19.24	19.47	19.97		103	Blend	Bag
19-19-19	43514	18.05	18.76	20.52		99	Blend	Bag
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 29								
Average Analysis :		18.97	19.37	19.96		101.7		
CV, %		3.3	3.07	4.38				
20-10-10	41970	19.73	9.84	9.49		98	Blend	Bag
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.74	99.50	106.22				
ALL SAMPLES,CV %		8.69	6.91	8.89				
NUMBER OF ANALYSIS		119	123	123				
Deficiency Rate = 17.89 %								
STANLEY AG SERVICE LLC STANLEY KY 42375								
00-00-60	40960	0.00	0.00	61.16		102	Mat	Bulk
13-34-15	40234	13.52	34.27	15.55		100	CM	Bulk
13-34-15	40235	13.48	34.91	15.13		101	CM	Bulk
13-34-15	40236	13.54	35.24	14.97		101	CM	Bulk
13-34-15	40237	13.33	35.37	14.59		101	CM	Bulk
17-13-21	41997	17.21	13.46	22.38		100	CM	Bulk
18-46-00	40959	17.92	45.29	0.00		99	Mat	Bulk
19-10-26	41996	19.37	10.84	25.97		100	CM	Bulk
46-00-00	40958	46.08	0.00	0.00		100	Mat	Bulk
6-15-40	41998	5.93	14.32	40.71		99	CM	Bulk
9-23-30	41995	9.15	22.99	30.06		100	CM	Bulk
9-23-30	41999	9.15	23.23	29.13		100	CM	Bulk
9-23-30	42000	9.42	21.75	31.46		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.22	99.89	100.68				
ALL SAMPLES,CV %		1.91	3.49	2.6				
NUMBER OF ANALYSIS		12	11	11				
Deficiency Rate = 0.00 %								
STRONG PLANT HEREFORD TX 79045								
05-12-00	40122+	5.54	13.33	0.00		111	Mnfr	Bag
05-12-00	41404+	5.90	13.61	0.00		115	Mnfr	Bag
SUN BULB COMPANY, INC. ARCADIA FL 34265								
11-35-15	41750+	12.07	36.60	15.60		106	Blend	Bag
11-35-15	42327+	12.07	34.82	16.53		104	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

SUN BULB COMPANY, INC. ARCADIA FL 34265								
20-14-13	42328+	21.70	13.97	12.09		103	Blend	Bag

SUNWRAY LIQUID FERT. INC. WINGO KY 42088								
00-00-60	40653	0.00	0.00	59.88		100	Mat	Bulk
10-27-24	41480	10.83	27.64	23.74		100	CM	Bulk
10-27-24	41481	11.10	27.61	24.00		101	CM	Bulk
10-27-24	41482	10.94	27.96	23.65		101	CM	Bulk
10-27-24	41483	11.11	28.31	23.30		101	CM	Bulk
18-46-00	40654	17.99	46.31	0.00		100	Mat	Bulk
34-00-00	40652	33.60	0.00	0.00		99	Mat	Bulk
4-12-16	40420	5.48	12.87	16.96		107	CM	Bulk
4-12-16	40421	5.68	13.18	15.82		106	CM	Bulk
9-23-30	42609	8.70	22.96	31.11		101	CM	Bulk
9-23-30	42610	8.79	22.88	31.21		101	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.28	101.82	100.77				
ALL SAMPLES,CV %		6.96	2.66	3.01				
NUMBER OF ANALYSIS		10	9	9				
Deficiency Rate = 0.00 %								

SWISS FARMS PRODUCTS, INC. LAS VEGAS NV 89109								
15-30-15	42816+	16.34	30.49	15.90		105	Mnfr	Bag
18-18-21	41110+	18.09	19.01	22.75		104	Mnfr	Bag
18-18-21	42817+	18.61	17.11	20.32		99	Mnfr	Bag
18-24-16	41751+	19.91	24.77	16.86		107	Blend	Bag
30-10-10	41271+	33.26	12.26	12.07		114	Blend	Bag
30-10-10	42675+	32.10	10.49	11.21		107	Mnfr	Bag
30-10-10	42815+	29.75	10.61	11.29		102	Mnfr	Bag
30-10-10	42907+	28.92	11.37	11.83		102	Mnfr	Bag

TAYLOR, G.M. SEED CO. GEORGETOWN KY 40324								
00-00-50	43108	0.00	0.00	51.35		103	Mat	Bulk
00-00-60	42766	0.00	0.00	61.25		102	Mat	Bulk
11-00-06	43400	9.84 *	0.00	6.15		92 *	CM	Bulk
12-15-24	43111	12.33	14.35	26.08		101	CM	Bulk
13-16-25	43397	13.40	15.94	24.24		97	CM	Bulk
13-16-25	43398	13.94	16.36	25.07		100	CM	Bulk
15-08-24	43107	15.30	7.46	25.44		102	CM	Bulk
15-13-20	43393	14.65	13.73	22.08		101	CM	Bulk
18-00-30	43394	17.87	0.00	31.93		101	CM	Bulk
22-00-20	43106	24.55	0.00	17.24 *		101	CM	Bulk
23-00-18	43395	22.35	0.00	19.15		97	CM	Bulk
23-00-18	43396	23.28	0.00	18.86		100	CM	Bulk
34-00-00	43110	34.26	0.00	0.00		101	Mat	Bulk
34-00-00	43399	33.72	0.00	0.00		99	Mat	Bulk
46-00-00	43109	46.05	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
TAYLOR, G.M. SEED CO. GEORGETOWN KY 40324								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		98.57	97.07	101.14				
ALL SAMPLES,CV %		5	4.83	5.35				
NUMBER OF ANALYSIS		13	5	12				
Deficiency Rate = 13.33 %								
TENNESSEE FARMERS COOP LAVERGNE TN 37086								
06-12-12	42796	5.12 *	9.74 *	13.84		92 *	Blend	Bag
15-15-15	42795	14.93	14.12	14.47		97	Blend	Bag
THE ANDERSONS LAWN FERT DIV MAUMEE OH 43537								
00-00-00	43458+	0.00	0.00	0.00			Mat	Bag
05-05-25	43040	5.07	5.58	25.11		103	Blend	Bag
14-14-14	43039+	14.36	14.14	14.48		102	Blend	Bag
16-04-08	43459+	15.44	4.37	9.03		101	Blend	Bag
18-09-18	41332+	18.51	10.42	20.57		108	Mnfr	Bag
19-19-19	41967	19.58	19.44	18.54		102	Blend	Bag
19-25-05	41335+	20.81	27.60	6.46		111	Mnfr	Bag
32-03-10	41334	32.36	3.23	10.12		101	Blend	Bag
THE SCOTTS CO. MARYSVILLE OH 43041								
10-10-10	40151	11.51	11.44	11.35		114	Blend	Bag
10-10-10	43057	11.41	10.45	11.74		112	Blend	Bag
10-12-10	43058	11.89	13.30	12.36		117	Blend	Bag
11-07-07	40131	12.13	8.56	6.49		111	Blend	Bag
20-27-05	40145+	21.86	26.95	5.37		104	Blend	Bag
20-27-05	40902	21.37	27.21	5.21		104	Blend	Bag
22-03-14	40157+	22.96	3.43	14.60		105	Mnfr	Bag
22-04-11	40119+	23.17	3.73	10.86		102	Mnfr	Bag
22-04-11	40130+	22.82	4.10	11.36		103	Blend	Bag
24-03-12	40217+	24.70	3.22	12.10		103	Blend	Bag
28-03-03	40897+	28.41	3.10	3.20		102	Mnfr	Bag
28-03-03	40907+	28.25	3.20	2.96		101	Mnfr	Bag
28-03-03	40910+	28.11	3.14	3.38		101	Mnfr	Bag
28-03-03	40913+	28.02	3.17	3.34		101	Mnfr	Bag
28-03-03	41105+	26.92	3.24	3.37		98	Mnfr	Bag
28-03-03	41269+	29.18	3.15	3.12		104	Mnfr	Bag
28-03-03	41403+	29.10	3.16	3.54		105	Mnfr	Bag
28-03-03	41407+	28.57	3.34	3.28		103	Mnfr	Bag
28-03-03	41624+	28.27	3.23	3.63		102	Mnfr	Bag
28-03-03	41632+	28.69	2.95	3.17		102	Mnfr	Bag
28-03-03	41634+	27.74	3.46	3.53		101	Mnfr	Bag
Statistical Analysis for Grade : 28-03-03								
Number of Samples This Grade : 11								
Average Analysis :		28.30	3.19	3.32		101.9		
CV, %		2.23	4.09	6.05				
28-03-06	40911	28.78	3.07	5.99		102	Blend	Bag
28-03-08	43363	27.31	3.41	8.37		99	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

THE SCOTTS CO. MARYSVILLE OH 43041								
29-03-04	42368+	29.87	3.34	4.58		104	Mnfr	Bag
29-03-04	42380+	30.76	3.84	4.76		108	Mnfr	Bag
29-03-04	42613+	29.94	3.12	4.15		103	Mnfr	Bag
29-03-04	42668+	29.93	3.39	4.89		105	Mnfr	Bag
29-03-04	42672+	29.57	3.41	4.49		103	Mnfr	Bag
29-03-04	42673+	29.82	3.37	4.44		104	Mnfr	Bag
Statistical Analysis for Grade : 29-03-04								
Number of Samples This Grade : 6								
Average Analysis :		29.98	3.41	4.55		104.7		
CV, %		1.35	6.89	5.7				
30-03-04	40898+	30.44	3.29	4.28		102	Mnfr	Bag
30-03-04	42118+	30.73	3.22	4.50		103	Mnfr	Bag
30-03-04	42120+	30.43	3.18	4.66		103	Mnfr	Bag
30-03-04	42369+	31.20	3.27	4.09		104	Mnfr	Bag
30-03-04	42667+	30.00	3.48	4.60		102	Mnfr	Bag
30-03-04	43054	31.15	3.47	4.21		105	Mnfr	Bag
Statistical Analysis for Grade : 30-03-04								
Number of Samples This Grade : 6								
Average Analysis :		30.66	3.32	4.39		103.2		
CV, %		1.51	3.84	5.23				

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		103.89	108.67	109.40				
ALL SAMPLES,CV %		4.55	6.25	6.86				
NUMBER OF ANALYSIS		35	35	35				
Deficiency Rate = 0.00 %								

TIGER-SUL PRODUCTS, LLC ATMORE AL 36504								
00-00-00	41546+	0.00	0.00	0.00			Mat	Bag
00-00-00	42569+	0.00	0.00	0.00			Mat	Bag

TRI COUNTY FERT. RICHMOND KY 40475-2014								
08-17-26	43353	9.75	18.17	24.99 *		98	CM	Bulk
09-18-27	43358	8.76	15.24 *	28.11	*	98	CM	Bulk
11-00-00	43314	11.54	0.00	0.00		98	CM	Bulk
11-00-00	43315	11.60	0.00	0.00		98	CM	Bulk
11-00-00	43316	10.83	0.00	0.00		92 *	CM	Bulk
26-07-20	43354	25.27	8.09	20.35		99	CM	Bulk
26-07-20	43355	24.67	7.95	21.79		100	CM	Bulk
26-07-20	43356	24.26 *	7.73	22.06		98	CM	Bulk
26-07-20	43357	24.56	7.08	22.00		98	CM	Bulk

TRIMBLE CO FARM MILTON KY 40045								
00-00-60	42183	0.00	0.00	59.13		99	Mat	Bulk
09-23-30	43493	9.67	24.74	28.87		103	CM	Bulk
09-23-30	43495	8.96	23.25	30.80		101	CM	Bulk
12-10-15	43494	12.50	10.21	14.78		101	CM	Bulk
15-09-14	43497	15.93	9.35	14.37		100	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

TRIMBLE CO FARM MILTON KY 40045								
16-11-12	43499	15.53	11.07	13.64		101	CM	Bulk
18-06-09	43496	16.45 *	4.56 *	12.30		99	CM	Bulk
18-46-00	42182	17.51	46.72	0.00		100	Mat	Bulk
19-19-19	42184	19.99	19.90	18.50		101	CM	Bulk
20-00-27	43492	21.09	0.00	27.98		102	CM	Bulk
22-00-00	43498	22.68	0.00	0.00		99	CM	Bulk
26-15-13	42180	25.96	15.47	14.53		100	CM	Bulk
46-00-00	42181	45.48	0.00	0.00		99	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.71	97.22	104.00				
ALL SAMPLES,CV %		4.14	10.95	8.91				
NUMBER OF ANALYSIS		12	9	10				
Deficiency Rate = 7.69 %								

U.S. BORAX INC. VALENCIA CA 91355								
00-00-00	40799+	0.00	0.00	0.00			Mat	Bag
00-00-00	40835+	0.00	0.00	0.00			Mat	Bag
00-00-00	40850+	0.00	0.00	0.00			Mat	Bag
00-00-00	41545+	0.00	0.00	0.00			Mat	Bag
00-00-00	43271+	0.00	0.00	0.00			Mat	Bag
Statistical Analysis for Grade : 00-00-00								
Number of Samples This Grade : 5								
Average Analysis :		0.00	0.00	0.00		0.0		
CV, %		0	0	0				

VALLEY FARM CTR INC. MONTICELLO KY 42633								
20-12-15	41506	20.85	12.80	15.26		100	CM	Bulk

VALLEY FERTILIZER SVC. EDMONTON KY 42129								
17-17-17	41584	17.57	18.82	17.68		101	CM	Bulk
19-19-19	41068	18.50	19.69	19.67		99	CM	Bulk
19-19-19	41578	18.27	20.80	20.08		101	CM	Bulk
19-19-19	41579	19.01	20.23	19.96		101	CM	Bulk
19-19-19	41581	18.02	19.79	21.03		99	CM	Bulk
24-13-12	41386	24.63	12.67	12.48		100	CM	Bulk
27-13-13	41582	27.18	13.30	13.93		100	CM	Bulk
27-13-13	41583	26.93	12.98	14.73		99	CM	Bulk
36-6-6	41067	35.73	6.80	8.02		99	CM	Bulk
8-22-29	41580+	9.10	22.57	29.02		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.78	101.20	105.61				
ALL SAMPLES,CV %		3.69	3.93	7.05				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

VOLUNTARY PURCHASING BONHAM TX 75418								
09-13-07	40138+	9.10	16.27	7.03		113	Blend	Bag

WARNER FERT CO. (ALBA)	ALBANY KY 42602							
06-26-26	41774	6.15	26.20	26.17	101	CM	Bulk	
16-19-23	41778	15.75	18.97	24.96	100	CM	Bulk	

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (ALBA) ALBANY KY 42602								
17-17-17	41367	18.45	16.82	17.80		100	CM	Bulk
17-17-17	41368	19.22	15.92 *	17.50		100	CM	Bulk
19-19-19	41769	18.98	19.73	19.59		102	CM	Bulk
19-19-19	41770	19.18	19.70	19.88		103	CM	Bulk
19-19-19	41771	19.33	20.06	19.10		103	CM	Bulk
19-19-19	41773	19.00	20.67	18.98		103	CM	Bulk
19-19-19	41777	18.47	19.64	19.99		101	CM	Bulk
19-19-19	41779	18.88	19.82	20.96		103	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		18.97	19.94	19.75		102.4		
CV, %		1.55	1.95	3.64				
27-13-13	41775	27.30	13.68	13.69		103	CM	Bulk
9-12-37	41772	9.36	13.03	39.50		103	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		100.70	101.81	103.60				
ALL SAMPLES,CV %		3	5.21	3.26				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 8.33 %								
WARNER FERT CO. (CAMP) CAMPBELLSVILLE KY 42718								
19-19-19	42833	19.93	20.14	20.86		104	CM	Bulk
WARNER FERT CO. (COLU) COLUMBIA KY 42728								
14-02-27	43051	14.30	2.33	27.80		99	CM	Bulk
17-08-20	43319	17.15	10.99	19.05	*	100	CM	Bulk
17-17-17	42269	17.05	17.96	18.83		100	CM	Bulk
17-7-31	42271	15.97 *	7.65	33.69		100	CM	Bulk
19-10-15	43050	20.55	10.30	15.50		101	CM	Bulk
19-19-19	42267	18.72	20.09	19.18		99	CM	Bulk
19-19-19	42268	19.23	18.50	20.32		99	CM	Bulk
19-19-19	42270	19.25	20.56	18.66		101	CM	Bulk
19-19-19	43317	19.96	18.18	19.51		99	CM	Bulk
24-06-22	43318	24.30	6.61	22.91		99	CM	Bulk
25-14-14	43320	24.67	15.54	15.35		100	CM	Bulk
25-14-14	43321	25.77	14.37	15.15		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.86	100.86	102.13				
ALL SAMPLES,CV %		3.56	9.79	3.77				
NUMBER OF ANALYSIS		12	12	12				
Deficiency Rate = 8.33 %								
WARNER FERT CO. (EAST) EAST BERNSTADT KY 40729								
06-26-26	42410	6.35	26.48	25.60		101	CM	Bulk
19-19-19	42407	20.35	16.40 *	20.31		100	CM	Bulk
19-19-19	42408	20.08	17.87	18.55		100	CM	Bulk
19-19-19	42409	18.51	18.32	20.16		99	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (EAST) EAST BERNSTADT KY 40729								
19-19-19	42411	21.47	14.92 *	20.63		101	CM	Bulk
19-19-19	42412	19.53	17.88	19.99		101	CM	Bulk
19-19-19	42413	19.31	18.77	18.66		100	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		19.88	17.36	19.72		100.1		
CV, %		5.09	8.28	4.5				
3-15-15	42414	4.06	16.32	15.65		104	CM	Bulk
4-19-19	42416	4.69	19.25	18.63		98	CM	Bulk
9-19-19	42415	10.38	20.97	21.39		108	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		105.58	95.98	102.56				
ALL SAMPLES,CV %		4.38	8.86	5.14				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 20.00 %								
WARNER FERT CO. (LIBE) LIBERTY KY 42539								
07-18-36	43471	7.70	19.43	35.49		103	CM	Bulk
09-08-12	43464	10.18	8.60	11.51		99	CM	Bulk
14-07-14	43463	15.10	7.22	15.20		101	CM	Bulk
14-14-21	43469	14.12	14.27	22.56		103	CM	Bulk
15-09-14	43468	16.13	9.90	14.44		102	CM	Bulk
17-05-18	43473	19.00	6.16	16.01 *		98	CM	Bulk
23-00-14	43467	23.28	0.00	15.16		100	CM	Bulk
27-07-15	43474	27.22	6.73	15.64		100	CM	Bulk
28-00-19	43470	27.89	0.00	20.72		101	CM	Bulk
30-00-19	43472	30.05	0.00	20.57		100	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.78	101.34	99.86				
ALL SAMPLES,CV %		4.09	4.42	6.37				
NUMBER OF ANALYSIS		10	7	10				
Deficiency Rate = 10.00 %								
WARNER FERT CO. (MONT) MONTICELLO KY 42633								
10-26-26	41494	10.46	26.94	25.60		102	CM	Bulk
16-16-16	41497	17.40	18.32	14.84 *		102	CM	Bulk
17-17-17	41498	17.49	18.86	17.01		100	CM	Bulk
19-19-19	41495	18.67	20.20	19.31		100	CM	Bulk
19-19-19	41496	19.69	19.35	18.72		100	CM	Bulk
19-19-19	41499	20.08	20.35	18.65		102	CM	Bulk
19-19-19	41500	18.95	20.05	18.82		100	CM	Bulk
19-19-19	41502	18.88	21.09	19.02		101	CM	Bulk
19-19-19	41505	18.93	19.37	21.07		101	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (MONT) MONTICELLO KY 42633								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 6								
Average Analysis :		19.20	20.07	19.27		100.7		
CV, %		2.88	3.26	4.75				
24-0-17	41501	22.19 *	0.00	19.53		97	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.11	104.67	99.13				
ALL SAMPLES,CV %		3.85	3.15	7.25				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 20.00 %								
WARNER FERT CO. (NAN) NANCY KY 42544								
16-14-22	41853	16.22	15.30	22.70		102	CM	Bulk
17-17-17	41855	18.25	16.35	17.98		103	CM	Bulk
17-17-17	42469	16.34	18.67	19.04		104	CM	Bulk
19-19-19	41854	18.76	19.37	19.14		100	CM	Bulk
19-19-19	41856	19.12	19.99	19.49		103	CM	Bulk
19-19-19	41857	18.75	18.57	18.52		98	CM	Bulk
19-19-19	41858	19.11	18.86	19.17		100	CM	Bulk
19-19-19	42467	17.92	19.00	19.87		99	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		18.73	19.16	19.24		99.9		
CV, %		2.61	2.86	2.59				
20-00-20	43574	20.13	0.00	20.56		101	CM	Bulk
22-00-16	43575	23.51	0.00	16.57		102	CM	Bulk
22-10-15	42468	20.95	9.87	15.37		97	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		99.44	101.70	102.81				
ALL SAMPLES,CV %		3.65	4.46	3.62				
NUMBER OF ANALYSIS		11	9	11				
Deficiency Rate = 0.00 %								
WARNER FERT CO. (RUSS) RUSSELL SPRINGS KY 42642								
13-9-34	42637	13.87	10.85	33.84		102	CM	Bulk
19-19-19	42636	21.59	18.40	16.95 *		103	CM	Bulk
19-19-19	42638	19.12	19.12	18.74		100	CM	Bulk
19-19-19	42640	22.49	14.96 *	18.92		101	CM	Bulk
19-19-19	42693	19.34	19.59	19.75		103	CM	Bulk
19-19-19	42694	19.97	20.07	17.98		103	CM	Bulk
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 5								
Average Analysis :		20.50	18.43	18.47		101.9		
CV, %		7.18	11.03	5.71				
22-10-15	42691	22.80	10.42	14.96		103	CM	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (RUSS) RUSSELL SPRINGS KY 42642								
23-0-30	42635	23.63	0.00	28.92		100	CM	Bulk
7-18-35	42639	7.30	18.68	36.05		100	CM	Bulk
7-18-35	42692	7.79	19.82	35.05		102	CM	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		105.10	100.32	98.21				
ALL SAMPLES,CV %		5.89	8.96	4.15				
NUMBER OF ANALYSIS		10	9	10				
Deficiency Rate = 20.00 %								

WARNER FERT CO. (SOM) SOMERSET KY 42502								
00-00-50	42770	0.00	0.00	49.62		99	Mat	Bulk
00-00-60	40628	0.00	0.00	61.24		102	Mat	Bulk
00-00-60	40681	0.00	0.00	59.47		99	Mat	Bulk
00-00-60	40705	0.00	0.00	61.72		103	Mat	Bulk
00-00-60	40739	0.00	0.00	60.24		100	Mat	Bulk
00-00-60	40758	0.00	0.00	61.76		103	Mat	Bulk
00-00-60	40764	0.00	0.00	61.41		102	Mat	Bulk
00-00-60	40791	0.00	0.00	61.13		102	Mat	Bulk
00-00-60	40826	0.00	0.00	60.17		100	Mat	Bulk
00-00-60	40869	0.00	0.00	59.07		98	Mat	Bulk
00-00-60	40946	0.00	0.00	60.60		101	Mat	Bulk
00-00-60	41092	0.00	0.00	59.98		100	Mat	Bulk
00-00-60	41153	0.00	0.00	61.09		102	Mat	Bulk
00-00-60	41316	0.00	0.00	60.03		100	Mat	Bulk
Statistical Analysis for Grade : 00-00-60								
Number of Samples This Grade : 13								
Average Analysis :		0.00	0.00	60.61		101.0		
CV, %		0	0	1.42				
00-46-00	40708	0.00	45.67	0.00		99	Mat	Bulk
00-46-00	40742	0.00	46.84	0.00		102	Mat	Bulk
00-46-00	40759	0.00	46.10	0.00		100	Mat	Bulk
00-46-00	40765	0.00	46.46	0.00		101	Mat	Bulk
00-46-00	40949	0.00	45.38	0.00		99	Mat	Bulk
00-46-00	41094	0.00	45.29	0.00		98	Mat	Bulk
00-46-00	41151	0.00	45.19	0.00		98	Mat	Bulk
Statistical Analysis for Grade : 00-46-00								
Number of Samples This Grade : 7								
Average Analysis :		0.00	45.85	0.00		99.7		
CV, %		0	1.38	0				
05-10-10	41288	4.11 *	7.78 *	9.53		84 *	Blend	Bag
05-10-10	42454	4.21 *	8.73 *	10.06		90 *	Blend	Bag
05-10-15	40757	3.88 *	7.45 *	18.09		101	Blend	Bag
05-10-15	41099	3.74 *	7.26 *	14.81		87 *	Blend	Bag
05-10-15	41433	4.15 *	7.73 *	14.54		89 *	Blend	Bag
05-10-15	41503	4.99	9.73	15.94		103	Blend	Bag
05-10-15	42834	3.79 *	7.03 *	13.48 *		82 *	Blend	Bag
05-10-15	43052	4.48 *	8.86 *	14.92		95 *	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (SOM) SOMERSET KY 42502								
Statistical Analysis for Grade : 05-10-15								
Number of Samples This Grade : 6								
Average Analysis :		4.17	8.01	15.30		92.9		
CV, %		11.65	13.2	10.33				
05-20-20	41098	4.65	19.27	19.83		97 *	Blend	Bag
05-20-20	41383	5.12	19.55	19.72		99	Blend	Bag
05-20-20	41436	4.77	22.03	20.10		104	Blend	Bag
05-20-20	41504	4.63	21.24	19.74		101	Blend	Bag
06-12-12	41278	5.51 *	11.10	11.91		94 *	Blend	Bag
06-12-12	41286	5.12 *	9.51 *	12.93		89 *	Blend	Bag
06-12-12	41435	5.37 *	10.25 *	11.14		89 *	Blend	Bag
06-12-12	42139	6.75	13.24	11.66		107	Blend	Bag
10-10-10	40743	9.16	10.30	10.54		98	Blend	Bag
10-10-10	40755	9.57	9.76	9.69		97 *	Blend	Bag
10-10-10	40794	9.57	9.61	10.09		97	Blend	Bag
10-10-10	40871	8.10 *	8.47 *	10.36		87 *	Blend	Bag
10-10-10	41095	9.55	9.48	9.88		96 *	Blend	Bag
10-10-10	41279	8.82 *	8.73 *	11.31		94 *	Blend	Bag
10-10-10	41287	9.00 *	10.78	12.37		104	Blend	Bag
10-10-10	41370	9.37	9.48	11.11		98	Blend	Bag
10-10-10	41380	9.66	10.39	9.73		99	Blend	Bag
10-10-10	41387	9.89	10.11	10.45		101	Blend	Bag
10-10-10	41430	9.13	9.95	10.63		97	Blend	Bag
10-10-10	41667	8.73 *	8.69 *	10.47		91 *	Blend	Bag
10-10-10	42138	9.31	9.40	9.90		95 *	Blend	Bag
10-10-10	42645	8.66 *	9.22	10.29		92 *	Blend	Bag
10-10-10	42685	8.71 *	9.15	9.61		91 *	Blend	Bag
10-10-10	42856	10.44	11.46	9.62		106	Blend	Bag
10-10-10	42887	8.52 *	9.14	9.93		90 *	Blend	Bag
Statistical Analysis for Grade : 10-10-10								
Number of Samples This Grade : 17								
Average Analysis :		9.19	9.65	10.35		96.1		
CV, %		6.25	8.11	6.96				
10-20-20	41097	9.90	20.96	19.04		100	Blend	Bag
12-24-24	41438	12.08	23.20	25.60		101	Blend	Bag
14-14-14	41439	13.88	14.71	15.74		103	CM	Bulk
15-15-15	41379	15.11	15.38	14.47		100	Blend	Bag
15-15-15	41388	14.51	14.99	14.13		97	Blend	Bag
15-15-15	41431	14.75	15.10	14.67		99	Blend	Bag
15-15-15	41434	14.41	14.56	15.83		100	Blend	Bag
15-15-15	42858	17.01	17.58	16.47		114	Blend	Bag
15-15-15	42965	13.78	15.44	13.71 *		95 *	Blend	Bag
15-15-15	43465	14.02	15.02	15.58		98	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (SOM) SOMERSET KY 42502								
Statistical Analysis for Grade : 15-15-15								
Number of Samples This Grade : 7								
Average Analysis :		14.80	15.44	14.98		100.5		
CV, %		7.22	6.4	6.67				
17-23-17	42458	17.20	24.82	17.58		104	CM	Bulk
18-46-00	40617	17.94	46.91	0.00		102	Mat	Bulk
18-46-00	40682	17.84	46.88	0.00		101	Mat	Bulk
18-46-00	40703	17.65	46.07	0.00		99	Mat	Bulk
18-46-00	40741	17.17	45.97	0.00		98	Mat	Bulk
18-46-00	40760	17.84	46.51	0.00		100	Mat	Bulk
18-46-00	40771	17.86	46.50	0.00		100	Mat	Bulk
18-46-00	40790	17.86	46.26	0.00		100	Mat	Bulk
18-46-00	40825	17.75	46.00	0.00		100	Mat	Bulk
18-46-00	40867	18.02	46.49	0.00		101	Mat	Bulk
18-46-00	40947	17.76	46.17	0.00		100	Mat	Bulk
18-46-00	41091	18.06	45.83	0.00		100	Mat	Bulk
18-46-00	41150	17.83	45.80	0.00		99	Mat	Bulk
18-46-00	41315	18.17	46.25	0.00		101	Mat	Bulk
Statistical Analysis for Grade : 18-46-00								
Number of Samples This Grade : 13								
Average Analysis :		17.83	46.28	0.00		100.1		
CV, %		1.35	0.78	0				
19-19-19	40744	17.67	18.04	21.11		98	Blend	Bag
19-19-19	40756	17.71	18.88	20.83		99	Blend	Bag
19-19-19	40772	18.98	20.27	18.37		101	Blend	Bag
19-19-19	40793	19.49	19.87	17.95		101	Blend	Bag
19-19-19	40870	18.44	19.32	19.50		100	Blend	Bag
19-19-19	41096	17.81	18.83	20.25		98	Blend	Bag
19-19-19	41277	18.71	17.90	19.64		98	Blend	Bag
19-19-19	41371	18.84	18.79	19.53		100	Blend	Bag
19-19-19	41381	18.62	19.46	19.32		100	Blend	Bag
19-19-19	41389	19.22	19.78	18.72		102	Blend	Bag
19-19-19	41432	19.21	20.28	18.85		102	Blend	Bag
19-19-19	41441	18.20	19.67	20.42		101	CM	Bulk
19-19-19	41615	18.18	18.54	19.94		98	Blend	Bag
19-19-19	41776	18.98	20.53	18.51		102	Blend	Bag
19-19-19	42450	18.76	19.91	19.51		102	CM	Bulk
19-19-19	42451	19.17	20.17	19.35		103	CM	Bulk
19-19-19	42452	19.33	19.33	18.12		100	CM	Bulk
19-19-19	42453	18.59	19.37	20.49		101	CM	Bulk
19-19-19	42457	19.12	19.57	19.04		101	CM	Bulk
19-19-19	42835	18.84	19.87	20.85		103	Blend	Bag
19-19-19	42857	17.49 *	17.92	22.02		98	Blend	Bag
19-19-19	42886	17.94	20.15	20.17		101	Blend	Bag
19-19-19	43513	18.20	18.14	20.24		98	Blend	Bag

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form
WARNER FERT CO. (SOM) SOMERSET KY 42502								
Statistical Analysis for Grade : 19-19-19								
Number of Samples This Grade : 23								
Average Analysis :		18.59	19.33	19.68		100.4		
CV, %		3.16	4.19	5.22				
20-10-10	41437	17.53 *	8.34 *	12.08		92 *	Blend	Bag
20-10-10	42888	17.94 *	8.98 *	11.07		93 *	Blend	Bag
27-13-13	42448	27.29	13.68	13.53		102	CM	Bulk
27-13-13	42449	27.11	14.17	13.27		103	CM	Bulk
27-13-13	42455	26.39	13.48	15.18		102	CM	Bulk
27-13-13	42456	25.91	13.98	15.06		102	CM	Bulk
34-00-00	40616	33.40	0.00	0.00		98	Mat	Bulk
34-00-00	40683	34.50	0.00	0.00		101	Mat	Bulk
34-00-00	40707	33.36	0.00	0.00		98	Mat	Bulk
34-00-00	40738	34.11	0.00	0.00		100	Mat	Bulk
34-00-00	40762	33.40	0.00	0.00		98	Mat	Bulk
34-00-00	40770	33.59	0.00	0.00		99	Mat	Bulk
34-00-00	40792	33.41	0.00	0.00		98	Mat	Bulk
34-00-00	40827	34.06	0.00	0.00		100	Mat	Bulk
34-00-00	40868	33.87	0.00	0.00		100	Mat	Bulk
34-00-00	40948	34.40	0.00	0.00		101	Mat	Bulk
34-00-00	41093	34.48	0.00	0.00		101	Mat	Bulk
34-00-00	41152	33.77	0.00	0.00		99	Mat	Bulk
34-00-00	41317	32.80	0.00	0.00		96 *	Mat	Bulk
34-00-00	41382	33.33	0.00	0.00		98	Mat	Bag
Statistical Analysis for Grade : 34-00-00								
Number of Samples This Grade : 14								
Average Analysis :		33.75	0.00	0.00		99.3		
CV, %		1.51	0	0				
46-00-00	40618	45.68	0.00	0.00		99	Mat	Bulk
46-00-00	40680	45.71	0.00	0.00		99	Mat	Bulk
46-00-00	40704	45.88	0.00	0.00		100	Mat	Bulk
46-00-00	40740	45.92	0.00	0.00		100	Mat	Bulk
46-00-00	40761	45.89	0.00	0.00		100	Mat	Bulk
46-00-00	40763	46.00	0.00	0.00		100	Mat	Bulk
46-00-00	40789	45.91	0.00	0.00		100	Mat	Bulk
46-00-00	40824	46.07	0.00	0.00		100	Mat	Bulk
46-00-00	40866	45.97	0.00	0.00		100	Mat	Bulk
46-00-00	40950	45.91	0.00	0.00		100	Mat	Bulk
46-00-00	41090	45.56	0.00	0.00		99	Mat	Bulk
46-00-00	41149	45.83	0.00	0.00		100	Mat	Bulk
46-00-00	41314	45.99	0.00	0.00		100	Mat	Bulk
Statistical Analysis for Grade : 46-00-00								
Number of Samples This Grade : 13								
Average Analysis :		45.87	0.00	0.00		99.7		
CV, %		0.31	0	0				

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WARNER FERT CO. (SOM) SOMERSET KY 42502								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		96.25	98.31	102.78				
ALL SAMPLES,CV %		6.54	8.85	6.33				
NUMBER OF ANALYSIS		113	93	87				
Deficiency Rate = 19.40 %								

WARNER FERT CO. (STANF) STANFORD KY 40484								
00-23-30	43064	0.00	21.95	31.78		100	CM	Bulk
06-15-40	43060	6.72	17.39	37.67 *		103	CM	Bulk
11-13-34	43068	12.43	12.97	33.83		101	CM	Bulk
14-04-30	43062	11.41 *	6.13	33.43		101	CM	Bulk
14-15-22	43066	14.36	15.61	23.10		101	CM	Bulk
18-18-18	43061	19.68	19.35	18.49		102	CM	Bulk
19-03-25	43067	16.40 *	5.50	27.52		99	CM	Bulk
21-11-17	43065	22.55	12.15	17.11		101	CM	Bulk
34-10-07	43063	34.37	9.73	8.04		101	CM	Bulk

WARNER FERT CO. (TOMPK) TOMPKINSVILLE KY 42167								
19-19-19	41312	19.96	20.32	18.16		101	CM	Bulk
19-19-19	41318	18.40	20.15	20.07		100	CM	Bulk
19-19-19	41319	18.97	20.53	20.25		102	CM	Bulk
19-19-19	41320	19.24	19.10	20.93		101	CM	Bulk
23-16-15	41384	23.10	16.52	17.28		100	CM	Bulk
26-8-8	41378	25.64	7.77	8.62		97	CM	Bulk
27-13-13	41311	26.59	14.49	14.36		101	CM	Bulk
27-13-13	41313	25.94	13.76	14.60		98	CM	Bulk
27-13-13	41377	26.99	13.35	15.20		101	CM	Bulk
27-13-13	41385	26.74	13.86	15.38		101	CM	Bulk

STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		97.62	101.50	106.88				
ALL SAMPLES,CV %		2.38	3.41	4.65				
NUMBER OF ANALYSIS		10	10	10				
Deficiency Rate = 0.00 %								

WILSON FARM SUPPLY, INC NANCY KY 42544								
17-17-17	43553	21.40	16.82	13.06 *		101	CM	Bulk
18-46-00	41086	18.06	45.94	0.00		100	Mat	Bulk
19-19-19	41790	19.56	18.56	20.20		100	CM	Bulk
21-8-16	41852	21.92	8.59	16.98		102	CM	Bulk
22-0-19	41789	22.53	0.00	20.10		100	CM	Bulk
22-9-14	41785	22.18	10.62	14.64		101	CM	Bulk
22-9-14	41787	21.49	10.21	15.59		100	CM	Bulk
24-0-17	41786	23.26	0.00	17.45		97	CM	Bulk
25-07-10	43552	25.50	7.15	10.69		100	CM	Bulk
26-05-10	43571	26.36	6.40	9.98		102	CM	Bulk
26-8-8	41788	26.13	8.19	8.45		99	CM	Bulk
34-00-00	41087	34.17	0.00	0.00		100	Mat	Bulk
46-00-00	41085	45.93	0.00	0.00		100	Mat	Bulk

TABLE 1. (Continued)

GRADE	NUM	N	P2O5	K2O	XS-CL	RV	Type	Form

WILSON FARM SUPPLY, INC NANCY KY 42544								
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.02	102.75	98.48				
ALL SAMPLES,CV %		5.82	8.62	9.28				
NUMBER OF ANALYSIS		13	9	10				
Deficiency Rate = 7.69 %								

WOODFORD FEED CO. VERSAILLES KY 40383								
00-00-50	41839	0.00	0.00	50.24		100	Mat	Bulk
00-00-60	41838	0.00	0.00	61.03		102	Mat	Bulk
18-46-00	41837	18.25	46.27	0.00		101	Mat	Bulk
20-00-27	43410	20.53	0.00	27.84		100	CM	Bulk
20-00-27	43412	20.99	0.00	27.23		100	CM	Bulk
20-00-28	43413	21.05	0.00	28.55	*	101	CM	Bulk
22-00-26	43409	22.65	0.00	27.30		101	CM	Bulk
23-00-24	43408	24.71	0.00	24.08		100	CM	Bulk
23-00-26	43415	23.64	0.00	25.37		99	CM	Bulk
25-04-19	43407	27.48	4.57	18.12	*	100	CM	Bulk
30-00-16	43414	31.21	0.00	16.16		100	CM	Bulk
34-00-00	41840	34.50	0.00	0.00		101	Mat	Bulk
34-00-13	43411	35.56	0.00	12.36	*	99	CM	Bulk
38-00-07	43416	38.97	0.00	7.93		101	CM	Bulk
46-00-00	41836	45.88	0.00	0.00		100	Mat	Bulk
STAT. ANALYSIS FOR ALL SAMPLES								
ALL SAMPLES,%GUAR		101.76	102.81	98.29				
ALL SAMPLES,CV %		2.08	3.06	4.29				
NUMBER OF ANALYSIS		13	2	12				
Deficiency Rate = 13.33 %								

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	GUAR %	FOUND %
AG/GRO FERTILIZER CO.		WINCHESTER	KY		
	43359	00-10-30	B	01.00	00.88
	43024	05-20-20	B	00.50	00.44
AGRI-CHEM, INC. (PRIN)		PRINCETON	KY		
	42258	18-18-18	B	00.42	00.37
AGRILIANCE		ST. PAUL	MN		
	42612	28-03-04	Fe	02.00	03.48
AGRIPORT TERMINAL		EDDYVILLE	KY		
	42037	00-00-22	Mg	11.00	11.54
			SO4	22.00	22.41
AGRIUM U.S. INC. (REESE)		REESE	MI		
	40889	00-00-00	Mg	14.00	13.80
			SO4	05.00	08.58
			B	01.00	01.51
			Zn	05.00	06.48
	41940	00-00-00	SO4	13.00	15.68
			Zn	20.00	22.33
	40815	03-00-00	Mg	05.00	05.66
			B	00.25	00.63
			Cu	00.25	01.05
			Zn	15.00	16.47
ALLEN CO. FARMERS		SCOTTSVILLE	KY		
	40851	8-20-26	B	01.01	01.13
AMERICAN PLANT FOOD		CREVE COEUR	MO		
	41412	15-30-15	B	00.02	00.03
			Cu	00.07	00.07
			Fe	00.15	00.14
			Mn	00.05	00.03*
			Mo	00.0005	00.0001*
			Zn	00.06	00.06
	41411	18-18-21	Mg	00.50	00.54
			Cu	00.05	00.05
			Fe	00.10	00.09
			Mn	00.05	00.05
			Zn	00.05	00.05
BARREN METCALF FARM SUPPLY LLC		KNOBLICK	KY		
	41356	19-13-18	Zn	00.92	01.04

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
BARREN METCALF FARM SUPPLY LLC		KNOBLICK			
			KY		
	41357	4-12-42	B	00.32	00.30
	41360	4-12-42	B	00.32	00.28
BAYER ADVANCED LLC		BIRMINGHAM			
			AL		
	43475	18-09-18	WIN	03.91	03.71
	40143	18-11-16	WIN	03.91	03.43
	43476	21-03-10	WIN	04.41	05.03
	41111	30-03-04	WIN	01.05	01.17
	41125	30-03-04	WIN	01.05	00.98
	41258	30-03-04	WIN	01.05	01.12
	41264	30-03-04	WIN	01.05	01.16
	41267	30-03-04	WIN	01.05	01.10
	41391	30-03-04	WIN	01.05	01.03
	41405	30-03-04	WIN	01.05	01.14
	41635	30-03-04	WIN	01.05	01.19
	42364	30-03-04	WIN	01.05	01.20
	42923	30-03-05	Cu	00.10	00.15
			Fe	01.00	01.94
		Mn	00.10	00.24	
		Zn	00.10	00.42	
BIG RIVERS AGRI SUPPLY		OWENSBORO			
			KY		
	43365	05-15-15	Mo	00.0005	00.0005
		Zn	00.05	00.04	
BIO-LOGIC		WEST POINT			
			MS		
	40158	10-10-10	SO4	05.00	08.69
BLOOMFIELD FERT/CHEM		BLOOMFIELD			
			KY		
	42738	11-0-36	B	00.60	00.61
	42736	11-20-27	Zn	00.41	00.39
	42737	11-20-27	Zn	00.41	00.40
	42742	11-20-27	Zn	00.41	00.20*
BLUEGRASS SEED/FERT INC.		BARDSTOWN			
			KY		
	42845	14-14-12	SO4	09.68	14.84
			B	00.24	00.20
	42745	21-12-21	Zn	00.46	00.39*
C F FARM SUPPLY, INC.		HISEVILLE			
			KY		
	40929	15-13-27	Mg	00.38	00.57
			SO4	00.75	01.20
	40930	15-13-27	Mg	00.38	00.63
		SO4	00.75	01.41	

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
C F FARM SUPPLY, INC.		HISEVILLE	KY		
	40931	15-13-27	Mg	00.38	00.54
			SO4	00.75	01.43
	40932	15-13-27	Mg	00.38	00.54
			SO4	00.75	01.33
	40954	8-22-29	B	00.24	00.20*
CAMERON CHEMICALS, INC.		PORTSMOUTH	VA		
	42106	00-00-00	B	10.00	10.94
CECILIA FARM SVC INC.		CECILIA	KY		
	41572	8-21-29	B	00.55	00.51
CHEMSICO, DIV OF UNITED INDUST		ST. LOUIS	MO		
	42116	15-30-15	B	00.02	00.02
			Cu	00.07	00.07
			Fe	00.15	00.18
			Mn	00.05	00.06
			Mo	00.0005	00.0006
			Zn	00.06	00.07
	42899	19-06-12	CSRN	17.10	20.43
			CSRK	05.40	06.72
			CSRK	10.80	12.41
	42902	19-06-12	CSRN	17.10	20.35
			CSRK	05.40	06.75
			CSRK	10.80	12.51
	42908	19-06-12	CSRN	17.10	20.52
			CSRK	05.40	06.80
			CSRK	10.80	13.23
	42914	19-06-12	CSRN	17.10	20.61
			CSRK	05.40	06.63
			CSRK	10.80	12.78
	42915	19-06-12	CSRN	17.10	20.19
			CSRK	05.40	06.33
			CSRK	10.80	13.03
	42971	28-03-08	Fe	01.00	02.37
	42669	29-03-04	Fe	01.00	01.01
	42676	29-03-04	Fe	01.00	00.16*
	42818	29-03-04	Fe	01.00	00.15*
	42820	29-03-04	Fe	01.00	00.15*
CROP PRODUCTION SVC INC (CLA)		CLARKSON	KY		
	43289	10-09-15	Mg	01.25	04.64
			Zn	00.50	00.48
	43290	10-09-15	Mg	01.25	04.75
			Zn	00.50	00.47
	43291	17-06-09	Mg	00.78	04.21
			Zn	00.31	00.34

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
 TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
CROP PRODUCTION SVC INC (HOD)		HODGENVILLE			
	41420	0-11-42	B	00.28	00.21*
	41345	0-16-33	B	00.68	00.58
CROP PRODUCTION SVC INC (HOR)		HORSECAVE			
	43070	11-10-15	Mg	00.64	03.55
	43037	20-12-18	Mg	00.95	01.11
	41355	5-14-38	B	00.47	00.45
CROP PRODUCTION SVC INC (MAD)		MADISONVILLE			
	40457	0-19-32	Zn	00.92	00.97
	40458	0-19-32	Zn	00.92	00.86
	40459	0-19-32	Zn	00.88	00.81
	40460	0-19-32	Zn	00.88	00.95
CROP PRODUCTION SVC INC (PEM)		PEMBROKE			
	42145	19-22-13	B	00.45	00.42
CROP PRODUCTION SVC INC (RUS)		RUSSELLVILLE			
	41457	0-17-35	B	00.39	00.38
CROP PRODUCTION SVC INC (WAV)		WAVERLY			
	40343	04-20-35	Zn	00.58	00.46*
DREXEL CHEMICAL CO.		MEMPHIS			
	42021	00-00-00	B	15.00	14.93
	42058	00-00-00	B	15.00	14.71
	42077	00-00-00	B	15.00	14.37
	42089	00-00-00	B	15.00	14.48
	42164	00-00-00	B	15.00	14.80
	42560	00-00-00	B	15.00	16.17
	42608	00-00-00	B	15.00	14.44
	42617	00-00-00	B	15.00	14.30
	42626	00-00-00	B	15.00	14.96
EARTHWORKS		MARTINS CREEK			
	43460	05-04-05	WIN	03.00	01.76*
			Ca	03.00	11.00
			SO4	02.00	02.84
ELKTON CROP SVC.		GUTHRIE			
	42972	14-09-13	Mg	00.29	02.67
			B	00.01	00.04
			Cu	00.01	00.03
			Zn	00.88	00.84

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
ELKTON CROP SVC.		GUTHRIE			
	42973	14-09-13	Mg	00.29	03.00
			B	00.01	00.03
			Cu	00.01	00.03
			Zn	00.88	00.86
	42974	14-09-13	Mg	00.29	02.67
			B	00.01	00.04
			Cu	00.01	00.02
			Zn	00.88	00.84
FARMERS CO-OP MIDWAY		MURRAY			
	41924	09-21-28	Mg	00.79	00.89
			SO4	01.32	02.15
	41925	09-21-28	Mg	00.79	00.89
			SO4	01.32	02.15
	41471	09-23-29	Mg	00.74	01.28
	41472	09-23-29	Mg	00.74	01.07
	41927	9-17-30	SO4	03.00	03.93
	41928	9-17-30	SO4	03.00	03.75
FARMERS FERTILIZER CO.(NASH. R		BOWLING GREEN			
	41689	26-24-0	B	00.53	00.57
	41688	32-18-0	B	00.20	00.24
FELTY CROP SVC.		BEAVER DAM			
	40425	00-17-33	Mg	00.45	00.68
			B	00.07	00.07
			Cu	00.07	00.09
			Zn	01.36	01.59
	40426	00-17-33	Mg	00.45	00.65
			B	00.07	00.06
			Cu	00.07	00.08
			Zn	01.36	01.40
	40427	00-23-26	Mg	00.38	00.87
			B	00.06	00.05
			Cu	00.06	00.10
			Zn	01.15	01.34
	40428	00-23-26	Mg	00.38	00.80
			B	00.06	00.06
			Cu	00.06	00.09
			Zn	01.15	01.21
FREE FLOW FERTILIZER CO.		MAUMEE			
	40383	18-02-12	Fe	01.00	01.67
	42823	29-03-04	Fe	01.00	01.09
	42865	29-03-04	Fe	01.00	01.09
	42904	29-03-04	Fe	01.00	01.36

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
FREE FLOW FERTILIZER CO.		MAUMEE			
	42920	29-03-04	Fe	01.00	01.20
	40837	32-04-08	Fe	01.00	01.31
FRIT INDUSTRIES		OZARK			
	40800	00-00-00	Zn	36.00	39.28
	41981	00-00-00	Zn	36.00	41.76
	42057	00-00-00	Zn	36.00	37.86
GLENDALE FARM SVC.		GLENDALE			
	40436	4-11-28	B	00.19	00.26
GREEN CHARGER FERT CORP.		RICHMOND			
	43367	05-10-15	Mg	01.00	04.27
			SO4	04.00	07.08
			B	00.02	00.04
			Cu	00.05	00.11
			Fe	00.10	00.71
			Mn	00.05	00.18
			Zn	00.05	00.16
	41174	07-00-00	WIN	05.80	07.43
GREEN LIGHT		SAN ANTONIO			
	40125	12-55-06	Fe	00.10	00.09
GREENLEAF PLANT FOOD		DANVILLE			
	43166	18-11-14	Mg	01.96	02.09
			SO4	00.88	05.52
			B	00.03	00.04
			Cu	00.03	00.05
			Zn	00.60	00.56
GREENVIEW DIV- LEBANON SEABOAR		LEBANON			
	40139	10-16-20	Mg	01.00	00.80
			SO4	02.00	10.60
			Fe	01.00	02.40
			Mn	00.50	00.52
	41604	30-04-04	WIN	05.20	03.92*
GRIFFIN INDUSTRIES INC.		COLD SPRING			
	40554	05-06-06	WIN	04.25	05.58
			Ca	07.00	10.02
			Mg	02.00	01.99
			SO4	04.00	04.51

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
GRIFFIN INDUSTRIES INC.		COLD SPRING	KY		
	40553	07-01-14	WIN	06.00	06.78
	40558	08-03-05	WIN	06.80	07.65
			Ca	03.00	03.87
			Mg	02.20	02.12
			SO4	04.00	04.44
			Fe	00.10	00.05*
	40556	10-02-08	WIN	08.50	09.90
			Ca	01.80	02.46
			Mg	00.50	00.12*
			SO4	03.00	02.61*
	40557	12-02-06	WIN	05.50	05.73
	40555	21-03-07	WIN	02.10	03.17
			Ca	04.20	06.47
			SO4	02.00	02.70
GRO TEC INC.		MADISON	GA		
	40128	18-24-06	B	00.02	00.04
			Cu	00.05	00.09
			Fe	00.25	02.68
			Mn	00.10	00.28
			Zn	00.10	00.43
	42113	18-24-06	B	00.02	00.04
			Cu	00.05	00.06
			Fe	00.25	01.69
			Mn	00.05	00.27
			Mo	00.0005	00.0008
			Zn	01.00	00.22*
	42114	18-24-06	B	00.02	00.03
	42365	18-24-06	B	00.02	00.03
			Cu	00.05	00.05
			Mn	00.10	00.20
			Mo	00.0005	00.0010
			Zn	00.10	00.28
	42670	18-24-06	B	00.02	00.04
			Cu	00.05	00.04*
			Fe	00.25	02.12
			Mn	00.10	00.12
			Mo	00.0005	00.0015
			Zn	00.10	00.11
	42679	18-24-06	B	00.02	00.03
			Cu	00.05	00.07
			Fe	00.25	02.27
			Mn	00.10	00.18
			Mo	00.0005	00.0016
	42807	18-24-06	B	00.02	00.03
			Cu	00.05	00.03*
			Fe	00.25	01.75
			Mn	00.10	00.10
			Mo	00.0005	00.0013
			Zn	00.10	00.09

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
GRO TEC INC.		MADISON	GA		
	42917	18-24-06	B	00.02	00.03
			Cu	00.05	00.06
			Fe	00.25	01.84
			Mn	00.10	00.32
			Mo	00.0005	00.0013
			Zn	00.10	00.25
	42918	18-24-06	B	00.02	00.06
			Cu	00.05	00.09
			Fe	00.25	03.94
			Mn	00.10	00.24
			Mo	00.0005	00.0021
			Zn	00.10	00.32
	42922	18-24-06	B	00.02	00.03
			Cu	00.05	00.05
	40159	27-04-06	B	00.02	00.06
			Cu	00.05	00.06
			Fe	03.00	02.45*
			Mn	00.10	00.10
			Mo	00.0005	00.0008
			Zn	00.10	00.14
IRONITE PRODUCTS		HUMBOLDT	AZ		
	42112	12-10-10	SO4	12.00	11.92
			Fe	00.70	01.15
			Zn	00.09	00.19
KNOX FERTILIZER CO., INC.		KNOX	IN		
	40903	15-30-15	Cu	00.05	00.05
			Fe	00.10	00.14
			Mn	00.05	00.05
			Zn	00.05	00.07
	41114	27-03-03	Fe	01.00	01.89
	41263	27-03-03	SO4	06.50	00.15*
	42375	27-03-03	Fe	01.00	01.13
	42378	27-03-03	Fe	01.00	01.71
LEBANON SEABOARD		LEBANON	PA		
	43461	12-03-32	WIN	05.70	02.65*
			SO4	10.50	10.99
	42684	30-03-04	WIN	05.20	04.87
LESCO INC.		CLEVELAND	OH		
	41628	24-05-11	Fe	02.00	02.55
			Mn	00.14	01.32
	41629	32-03-08	Fe	02.00	02.42

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
MARTIN MARIETTA		BALTIMORE	MD		
	42163	00-00-00	Mg	58.00	62.82
	43034	00-00-00	Mg	58.00	59.54
MARTIN RESOURCES		KILGORE	TX		
	42162	00-00-00	S	90.00	91.70
MAYSLICK MILL		MAYSLICK	KY		
	42213	0-0-49	B	00.81	00.74
	42214	0-0-51	B	00.42	00.33*
	43119	04-10-41	B	00.91	00.79
	42211	2-6-44	B	00.61	00.52
	42212	3-9-40	B	00.27	00.20*
MILES FARM CENTER (SHEL)		SHELBYVILLE	KY		
	42896	07-18-31	Zn	01.86	01.98
	42897	07-18-31	Zn	01.86	01.96
	42884	21-00-00	SO4	24.00	24.17
MILES FARM SUPPLY (OWEN)		OWENSBORO	KY		
	42040	00-00-00	Ca	25.00	29.73
			Mg	02.00	00.32*
			B	00.14	00.12
			Cu	00.14	00.14
			Zn	01.60	01.64
	41066	00-00-22	Mg	11.00	11.66
			SO4	22.00	22.68
	42870	00-00-22	Mg	11.00	12.25
			SO4	22.00	22.80
	42041	03-00-00	Mg	05.00	06.34
			B	00.25	00.64
			Cu	00.25	00.49
			Zn	15.00	17.33
	40433	10-25-25	Zn	00.42	00.43
	40434	10-25-25	Zn	00.42	00.39
	42027	21-00-00	SO4	24.00	23.97
	43010	24-05-11	Fe	02.00	03.10
MILES FARM SUPPLY (UPT)		UPTON	KY		
	43237	10-10-15	Mg	01.16	04.13
NA-CHURS/ALPINE SOLUTIONS		MARION	OH		
	42306	07-24-04	SO4	00.50	00.38
			Zn	00.05	00.13

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
OLDFIELD, J.A. & SON		MIZE			
	43594	00-20-20	B	00.50	00.57
POORE, C D FERTILIZER		ALBANY			
	41507	16-17-16	SO4	05.45	06.45
	40775	21-00-00	SO4	24.00	24.20
	41510	24-9-9	SO4	07.48	08.65
	41509	33-0-0	SO4	12.00	12.47
PURSELL INDUSTRIES		SYLACAUGA			
	41594	12-10-05	Mg	01.50	01.86
			Fe	01.00	01.51
	41593	15-05-13	Mg	01.50	01.26
			Fe	01.00	01.46
	42329	18-24-10	B	00.02	00.03
			Cu	00.05	00.06
			Fe	00.10	00.90
			Mn	00.05	00.13
			Mo	00.0005	00.0008
			Zn	00.05	00.24
ROYSTER CLARK (ADA)		ADAIRVILLE			
	43322	13-08-13	Mg	01.32	02.11
			SO4	07.36	10.23
ROYSTER CLARK (COLL)		COLLINSVILLE			
	40816	05-20-20	Ca	02.00	03.70
	42966	06-12-18	Mg	01.00	02.69
	43043	06-12-18	Mg	01.00	02.03
	40817	18-08-00	SO4	16.00	19.18
ROYSTER CLARK (FLO)		FLORENCE			
	42794	13-13-13	Mn	00.20	00.26
			Zn	00.20	00.35
			Mg	01.00	01.17
			SO4	09.00	11.28
			B	00.20	00.07*
ROYSTER CLARK (SED)		SEDALIA			
	40292	04-11-17	Mg	01.14	01.42
			SO4	02.28	03.14
	40293	04-11-17	Mg	01.14	01.33
			SO4	02.28	02.90
ROYSTER CLARK (UTICA)		UTICA			
	40391	02-22-27	Zn	00.20	00.27

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
ROYSTER CLARK (UTICA)		UTICA	KY		
	40392	02-22-27	Zn	00.20	00.21
	40393	02-22-27	Zn	00.20	00.37
	42576	20-12-15	Zn	00.26	00.30
ROYSTER CLARK (WISC)		MADISON	WI		
	41942	00-00-00	B	10.00	09.38
	41966	00-00-00	B	10.00	09.99
RUDOLPH FARM SUPPLY, INC		SALEM	KY		
	41673	14-16-29	Zn	00.35	00.35
	41674	14-16-29	Zn	00.35	00.49
	41675	14-16-29	Zn	00.35	00.29*
SCHULTZ CO.		BRIDGETON	MO		
	42372	10-12-12	B	00.02	00.02
			Cu	00.05	00.08
			Fe	01.00	02.16
			Mn	00.10	00.18
			Mo	00.0005	00.0007
			Zn	00.10	00.15
	41752	10-15-10	Fe	00.10	00.11
			Mn	00.05	00.05
			Zn	00.05	00.06
	42371	12-08-10	B	00.02	00.03
			Cu	00.05	00.07
			Fe	01.00	02.74
			Mn	00.10	00.22
			Mo	00.0005	00.0009
			Zn	00.10	00.20
	42373	14-07-07	B	00.02	00.02
			Cu	00.05	00.03*
			Fe	01.00	01.46
			Mn	00.10	00.15
			Mo	00.0005	00.0006
			Zn	00.10	00.11
	42370	16-12-12	B	00.02	00.02
			Cu	00.05	00.06
			Fe	00.50	02.00
			Mn	00.01	00.15
			Mo	00.0005	00.0019
			Zn	00.10	00.14
	40126	29-03-03	SO4	05.00	05.56
			Fe	01.00	02.03
SCOTT G. WILLIAMS, LLC		CONYERS	GA		
	42087	00-00-00	Zn	36.00	41.85

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SCOTT G. WILLIAMS, LLC		CONYERS	GA		
	42573	00-00-00	Zn	36.00	36.86
SCOTTS MIRACLE-GRO PRODUCTS, I		MARYSVILLE	OH		
	41272	10-52-10	B	00.02	00.02
			Cu	00.07	00.10
			Fe	00.15	00.21
			Mn	00.05	00.06
	41106	15-30-15	Zn	00.06	00.07
	41115	15-30-15	B	00.02	00.03
			Cu	00.07	00.09
			Fe	00.15	00.22
			Mn	00.05	00.07
			Mo	00.0005	00.0007
			Zn	00.06	00.08
	42824	15-30-15	B	00.02	00.01*
			Cu	00.07	00.05*
			Fe	00.15	00.13*
			Mn	00.05	00.03*
			Mo	00.0005	00.0004
			Zn	00.06	00.05*
	42900	15-30-15	B	00.02	00.02
			Cu	00.07	00.06*
	42903	15-30-15	B	00.02	00.02
			Cu	00.07	00.07
			Fe	00.15	00.19
			Mn	00.05	00.05
			Mo	00.0005	00.0009
			Zn	00.06	00.06
	42906	15-30-15	B	00.02	00.02
			Cu	00.07	00.08
			Fe	00.15	00.20
			Mn	00.05	00.05
			Mo	00.0005	00.0009
			Zn	00.06	00.07
SCOTTS SIERRA		MARYSVILLE	OH		
	41397	18-06-12	CSRN	16.00	18.99
			CSRK	05.00	06.32
			CSRK	11.00	12.42
	41109	19-06-12	CSRN	16.00	17.45
			CSRK	05.00	06.60
			CSRK	10.00	12.38
	42680	19-06-12	CSRN	16.00	19.23
			CSRK	05.00	06.56
			CSRK	10.00	13.09
	42809	19-06-12	CSRN	16.00	19.01
			CSRK	05.00	06.17
			CSRK	10.00	12.82

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SCOTTS SIERRA		MARYSVILLE	OH		
	42811	19-06-12	CSRN	16.00	18.92
			CSRP	05.00	06.76
			CSRK	10.00	13.30
	42814	19-06-12	CSRN	16.00	19.07
			CSRP	05.00	06.01
			CSRK	10.00	12.76
	41748	20-27-05	WIN	00.60	00.39
	41731	28-03-03	WIN	00.80	00.43
SPECIALTY FERTILIZER PROD.		BELTON	MO		
	41547	03-00-00	SO4	09.00	08.65
			Zn	35.50	35.47
SPECTRUM GROUP		ST. LOUIS	MO		
	41605	12-06-06	B	00.02	00.02
			Cu	00.05	00.09
	41749	12-10-05	B	00.02	00.06
			Cu	00.05	00.22
			Fe	00.10	01.93
			Mn	00.05	00.17
			Mo	00.0005	00.0008
			Zn	00.05	00.66
	41406	17-17-17	CSRN	15.30	18.19
			CSRP	15.30	17.95
			CSRK	15.30	17.26
	40144	18-24-10	B	00.02	00.01
			Cu	00.05	00.05
			Fe	00.10	01.98
			Mn	00.05	00.05
			Mo	00.0005	00.0006
			Zn	00.05	00.06
	40258	18-24-10	B	00.02	00.03
			Cu	00.05	00.12
			Fe	00.10	01.35
			Mn	00.05	00.11
			Mo	00.0005	00.0009
			Zn	00.05	00.21
	42115	18-24-10	B	00.02	00.03
			Fe	01.00	01.03
			Mn	00.05	00.09
			Mo	00.0005	00.0008
			Zn	00.05	00.16
	40120	22-03-14	SO4	01.40	01.69
	40118	22-04-11	SO4	00.70	01.04
	42330	29-02-05	Fe	01.00	00.95
	43478	29-03-04	Fe	01.00	01.07
SPEED AG SERVICE		HICKMAN	KY		
	41548	7-19-31	B	00.09	00.09
			Zn	00.67	00.74

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SS (CAMP) CAMPBELLSVILLE		CAMPBELLSVILLE			
	43154	05-20-30	Mg	03.20	03.14
	42831	32-0-0	Zn	02.01	02.09
	42832	32-0-0	Zn	01.98	02.87
SS (CYN) LEXINGTON COOP-CYN BR		CYNTHIANA			
	42828	31-0-0	Zn	01.96	02.24
	42997	33-00-13	Zn	01.48	01.84
	42998	33-00-13	Zn	01.48	01.76
SS (ELIZ) HARDIN COOP, INC		ELIZABETHTOWN			
	41989	18-18-18	Mg	01.88	02.21
	41990	18-18-18	Mg	01.89	01.99
SS (ELKT) RUSS.-TODD BRANCH		ELKTON			
	42778	13-8-11	Mg	00.61	03.11
			B	00.08	00.09
			Zn	00.29	00.37
	42779	13-8-11	Mg	00.61	03.13
			B	00.08	00.10
			Zn	00.29	00.47
SS (EMIN) INC KNTCKANA SVC-HEN		EMINENCE			
	43202	06-16-36	B	00.35	00.38
	43197	19-06-23	B	00.06	00.08
			Cu	00.16	00.16
			Fe	00.32	00.68
			Mn	00.16	00.22
			Zn	00.53	00.66
SS (FLEM) FLEMINGSBURG		FLEMINGSBURG			
	40002	03-09-46	B	00.37	00.48
	42559	8-22-27	Zn	00.20	00.36
SS (GLAS) GLASGOW COOP		GLASGOW			
	40970	5-14-40	B	00.17	00.14
SS (HORS) HORSE CAVE COOP		HORSE CAVE			
	40951	5-14-38	B	00.43	00.16*
	40952	5-14-38	B	00.43	00.14*
SS (LAGR) KY SVC BR-LAGRANGE B		LAGRANGE			
	42800	14-20-19	Zn	01.93	02.47

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SS (LAGR) KY SVC BR-LAGRANGE B		LAGRANGE	KY		
	42801	14-20-19	Zn	01.93	02.33
	42802	14-20-19	Zn	01.93	02.40
	42803	14-20-19	Zn	01.93	02.51
	42805	15-14-27	Zn	00.74	00.94
	42806	15-14-27	Zn	00.74	01.06
SS (LEBA) LEBANON SVC		LEBANON	KY		
	42936	12-20-16	SO4	05.30	05.33
			Zn	00.66	00.84
	42941	12-20-16	SO4	05.28	05.86
			Zn	00.66	00.59
SS (LEXI) LEXINGTON COOP		LEXINGTON	KY		
	43430	17-00-21	Mg	01.24	01.33
			SO4	02.49	07.46
			Zn	00.16	00.25
	43434	23-03-11	Mg	00.79	01.06
			SO4	01.58	05.80
	43435	23-03-11	Mg	00.79	01.01
			SO4	01.58	05.61
	43431	23-05-10	Mg	01.37	01.51
			SO4	02.74	03.27
	43432	27-00-07	Mg	01.01	01.01
			SO4	02.02	02.38
			B	00.07	00.13
			Zn	00.21	00.57
SS (MAYS) MAYSVILLE COOP		MAYSVILLE	KY		
	42996	08-09-37	B	00.42	00.38
SS (OWEN) COOP OWENSBORO		OWENSBORO	KY		
	42524	09-22-29	Zn	00.43	00.48
	42523	5-15-39	Zn	00.36	00.46
SS (OWEN) OWENTON COOP, INC		OWENTON	KY		
	43212	12-08-34	B	00.42	00.39
SS (RICH) COOP INC FERT DIV		RICHMOND	VA		
	40861	00-00-00	S	90.00	92.81
	41449	00-00-22	Mg	11.00	11.38
			SO4	22.00	22.25
	42092	00-00-22	Mg	11.00	11.16
			SO4	22.00	21.92
	42878	05-10-15	Fe	00.10	00.61
			Mn	00.15	00.14
			Zn	00.05	00.16
			Mg	01.00	04.50
			B	00.02	00.03
			Cu	00.05	00.10

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SS (RICH) COOP INC FERT DIV		RICHMOND	VA		
	43021	05-10-15	Mg	01.00	01.80
			SO4	04.00	05.51
			B	00.02	00.03
			Cu	00.05	00.09
			Fe	00.10	00.61
			Mn	00.05	00.16
			Zn	00.05	00.16
	43035	05-10-15	Mg	01.00	04.53
			B	00.02	00.03
			Cu	00.05	00.08
			Fe	00.10	00.54
			Mn	00.15	00.14
			Zn	00.05	00.15
	41448	21-00-00	SO4	24.00	24.09
	41622	32-03-04	WIN	05.50	05.46
			SO4	02.00	03.42
SS (RUSS) COOP, INC.		RUSSELLVILLE	KY		
	40750	00-00-20	Mg	10.00	12.13
			SO4	21.00	22.18
	43152	05-10-15	Mg	01.00	04.68
			B	00.02	00.05
			Cu	00.05	00.12
			Fe	00.10	00.68
			Mn	00.15	00.16
			Zn	00.05	00.20
SS (SHEL) SHELBYVILLE COOP		SHELBYVILLE	KY		
	42295	18-17-17	B	01.11	01.19
SS (SOME) SOMERSET COOP		SOMERSET	KY		
	41172	10-25-25	Mg	01.21	01.57
	42466	12-9-30	Mg	01.57	01.93
SS (STAN) STANFORD SVC		STANFORD	KY		
	43491	06-24-24	B	00.75	00.63*
SS (WINC) CLARK COOP		WINCHESTER	KY		
	43345	23-05-17	B	00.09	00.08
			Cu	00.24	00.27
			Fe	00.47	01.05
			Mn	00.24	00.34
			Mo	00.0024	00.0009*
SS (WINC) COOP, INC.		WINCHESTER	KY		
	42531	00-10-30	B	00.45	00.32*

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SS (WINC) COOP, INC.		WINCHESTER	KY		
	42930	00-10-30	B	00.45	00.32*
STRONG PLANT		HEREFORD	TX		
	40122	05-12-00	WIN	05.00	04.91
			Ca	11.00	20.35
	41404	05-12-00	WIN	05.00	05.44
			Ca	11.10	19.94
SUN BULB COMPANY, INC.		ARCADIA	FL		
	41750	11-35-15	Mg	00.60	00.75
			B	00.02	00.03
			Cu	00.05	00.04
			Fe	00.10	00.12
			Mn	00.05	00.06
			Mo	00.0050	00.0034
	42327	11-35-15	Zn	00.05	00.06
			Mg	00.60	00.65
			B	00.02	00.03
			Cu	00.05	00.08
			Fe	00.10	00.14
			Mn	00.05	00.08
	42328	20-14-13	Mo	00.0050	00.0052
			Zn	00.05	00.07
			Mg	01.00	01.12
			B	00.02	00.02
			Cu	00.05	00.06
			Fe	00.20	00.16*
			Mn	00.05	00.06
Mo			00.0050	00.0036	
Zn	00.05	00.09			
SWISS FARMS PRODUCTS, INC.		LAS VEGAS	NV		
	42816	15-30-15	B	00.02	00.02
			Cu	00.07	00.05*
			Fe	00.15	00.14
			Mn	00.05	00.04*
			Mo	00.0005	00.0006
			Zn	00.06	00.05
	41110	18-18-21	Mg	00.50	01.39
			Cu	00.05	00.02*
			Fe	00.10	00.04*
			Mn	00.05	00.01*
			Zn	00.05	00.01*
	42817	18-18-21	Mg	00.50	01.37
			Cu	00.05	00.06
			Fe	00.10	00.15
			Mn	00.05	00.04*
			Zn	00.05	00.06

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
SWISS FARMS PRODUCTS, INC.		LAS VEGAS	NV		
	41751	18-24-16	Cu	00.05	00.03*
			Fe	00.10	00.06*
			Mn	00.05	00.03*
			Zn	00.05	00.03*
	41271	30-10-10	B	00.02	00.01*
			Cu	00.07	00.03*
			Fe	00.33	00.15*
			Mn	00.05	00.03*
			Mo	00.0005	00.0004
			Zn	00.07	00.03*
	42675	30-10-10	B	00.02	00.01
			Cu	00.07	00.03*
			Fe	00.33	00.19*
			Mn	00.05	00.03*
			Mo	00.0005	00.0001*
			Zn	00.07	00.04*
	42815	30-10-10	B	00.02	00.03
			Cu	00.07	00.05*
			Fe	00.33	00.51
			Mn	00.05	00.13
			Mo	00.0005	00.0008
			Zn	00.07	00.07
	42907	30-10-10	B	00.02	00.03
			Fe	00.33	00.56
			Mn	00.05	00.15
			Mo	00.0005	00.0007
			Zn	00.07	00.08
THE ANDERSONS LAWN FERT DIV		MAUMEE	OH		
	43458	00-00-00	S	90.00	91.40
	43039	14-14-14	SO4	04.76	06.02
			Cu	00.10	00.14
			Fe	01.00	01.40
			Mn	00.10	00.17
			Zn	00.10	00.18
	43459	16-04-08	SO4	19.20	19.75
			Cu	00.10	00.14
			Fe	01.00	01.33
			Mn	00.10	00.22
			Zn	00.10	00.22
	41332	18-09-18	WIN	03.80	00.43
			SO4	06.00	08.13
			Fe	00.28	00.33
			Mn	00.14	00.17
	41335	19-25-05	WIN	00.50	00.59
			SO4	02.00	03.33
THE SCOTTS CO.		MARYSVILLE	OH		
	40145	20-27-05	WIN	00.60	00.64

TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
THE SCOTTS CO.		MARYSVILLE	OH		
	40157	22-03-14	WIN	00.60	00.40
			SO4	10.00	11.73
	40119	22-04-11	WIN	00.60	00.33
			SO4	12.00	12.58
	40130	22-04-11	WIN	00.60	00.38
			SO4	12.00	12.71
	40217	24-03-12	WIN	00.70	00.45
			SO4	10.00	10.19
	40897	28-03-03	SO4	11.00	11.88
	40907	28-03-03	SO4	11.00	11.85
	40910	28-03-03	SO4	11.00	11.88
	40913	28-03-03	SO4	11.00	11.80
	41105	28-03-03	WIN	00.80	00.45
			SO4	11.00	11.47
	41269	28-03-03	SO4	11.00	11.29
	41403	28-03-03	SO4	11.00	11.45
	41407	28-03-03	SO4	11.00	11.26
	41624	28-03-03	SO4	11.00	11.58
	41632	28-03-03	SO4	11.00	11.21
	41634	28-03-03	SO4	11.00	11.79
	42368	29-03-04	WIN	00.90	00.53
			SO4	07.00	07.70
			Fe	01.00	01.26
			Mn	00.50	00.70
	42380	29-03-04	WIN	00.90	00.59
			SO4	06.00	07.81
			Fe	01.00	01.41
			Mn	00.50	00.64
	42613	29-03-04	WIN	00.90	00.57
			SO4	01.00	08.53
			Fe	01.00	01.24
			Mn	00.50	00.60
	42668	29-03-04	WIN	00.90	00.69
			SO4	06.00	07.74
			Fe	01.00	01.29
			Mn	00.50	00.84
	42672	29-03-04	WIN	00.90	00.35
			SO4	06.00	08.40
			Fe	01.00	01.32
			Mn	00.50	00.80
	42673	29-03-04	WIN	00.90	00.50
			SO4	06.00	08.41
			Fe	01.00	01.35
			Mn	00.50	00.74
	40898	30-03-04	SO4	08.50	08.82
	42118	30-03-04	WIN	00.90	00.59
			SO4	08.50	08.43
	42120	30-03-04	WIN	00.90	00.57
			SO4	08.50	08.83
	42369	30-03-04	WIN	00.90	00.54
			SO4	08.50	08.67

ANALYSIS OF OFFICIAL FERTILIZER SAMPLES IN KENTUCKY JULY 2003 - 2004
TABLE 2. (Continued)

COMPANY	SAMPLE	GRADE	ELEMENT	GUAR %	FOUND %
THE SCOTTS CO.		MARYSVILLE	OH		
	42667	30-03-04	WIN SO4	00.90 08.50	00.64 08.68
TIGER-SUL PRODUCTS, LLC		ATMORE	AL		
	41546 42569	00-00-00 00-00-00	S S	90.00 90.00	92.60 92.76
U.S. BORAX INC.		VALENCIA	CA		
	40799	00-00-00	B	15.00	15.28
	40835	00-00-00	B	15.00	15.68
	40850	00-00-00	B	15.00	15.73
	41545 43271	00-00-00 00-00-00	B B	14.30 14.30	15.10 14.96
VALLEY FERTILIZER SVC.		EDMONTON	KY		
	41580	8-22-29	B	00.46	00.44
VOLUNTARY PURCHASING		BONHAM	TX		
	40138	09-13-07	B	00.02	00.02
			Cu	00.05	00.05
			Fe	00.10	02.10
			Mn	00.05	00.08
Zn			00.05	00.05	

TABLE 3 COMPANIES REGISTERED TO SELL FERTILIZERS IN KENTUCKY AS OF JUNE 30, 2006

A.H. HOFFMAN P.O. BOX 290 LANCASTER, NY 14086	ACADIAN SEAPLANTS 30 BROWN AVE. NOVA SCOTIA, CN B3B18	ACCESS BUSINESS GROUP, LLC 7575 E. FULTON RD. ADA, MI 49355
ACE HARDWARE (OAK) P.O. BOX 4883 OAK BROOK, IL 46350	ADVANCED TURF SOLUTIONS, INC 12840 FORD DRIVE FISHERS, IN 46038	AG CONCEPTS CORP 410 S. ORCHARD STREET STE. 116 BOISE, ID 83705
AG DISTRIBUTORS, INC. P.O. BOX 90366 6615 ROBERTSON AVE NASHVILLE, TN 37209	AG ORG, INC 2476 BOLSOVER # 357 HOUSTON, TX 77005	AG/GRO FERTILIZER CO. PENDLETON ST. WINCHESTER, KY 40391
AG/GRO FERTILIZER CO. 303 HILL ST. WINCHESTER, KY 40391	AGGRENE CORP. 925 TOWER AVE. SUPERIOR, WI 54880	AGQUEST P.O. BOX 116 DRY RIDGE, KY 41035-0366
AGRI-BUSINESS TECH, INC 1102 THIRD AVENUE ALBANY, GA 31707	AGRI-CHEM, INC (BARD) HIGHWAY 51 BARDWELL, KY 42023	AGRI-CHEM, INC. (HERN) 11825 LAFAYETTE RD. HERNDON, KY 42236
AGRI-CHEM, INC. (HOPK) P.O. BOX 31 1106 W 15TH STREET HOPKINSVILLE, KY 42240	AGRI-CHEM, INC. (PRIN) P.O. BOX 527 PRINCETON, KY 42445	AGRI-CHEM, INC. (TRENT) 393 PENCHAM TRENTON, KY 42286
AGRI-ENERGY RESOURCES RR 2, BOX 113 PRINCETON, IL 61356-0366	AGRIGRO FARM CTR, INC P.O. BOX 143 HARTFORD, KY 42347	AGRILIANCE P.O. BOX 64089 ST. PAUL, MN 55164-0089
AGRIPORT TERMINAL 1127 PORT AUTHORITY RD. EDDYVILLE, KY 42038	AGRIUM U.S. INC. (DENV) 4582 S. ULSTER ST. DENVER, CO 80237	AGRIUM U.S. INC. (FRES) P.O. BOX 1168 3705 W. BEECHWOOD FRESNO, CA 93711
AGRIUM U.S. INC. (REESE) 2405 W VASSAR RD REESE, MI 48757-9340	AGRO CULTURE LIQUID FERT. P.O. BOX 150 3026 WM-21 ST. JOHNS, MI 48879	AGRO DISTRIBUTION P.O. BOX 171376 MEMPHIS, TN 38187
AGRO DISTRIBUTION, LLC P.O. BOX 459 HARDINSBURG, KY 40143	AGRO DISTRIBUTION, LLC C/O AGRILIANCE P.O. BOX 64089 ST. PAUL, MN 55164-0089	AGRO DISTRIBUTORS 1675 US HWY. 60W PO BOX 568 MORGANFIELD, KY 42437
AGROTAIN INTERNATIONAL, LLC ONE ANGELICA STREET ST. LOUIS, MO 63147	AGXPLORE INT'L LLC PMB #166 2128 WILLIAM STREET CAPE GIRARDEAU, MO 63703	ALASKA FISH FERT. CO. 1340 TRENT BLVD. SUITE 650 WALNUT CREEK, CA 94597
ALL PLANT LIQUID PLANT FOOD 821 ST RT 522 N RD 3 ASHLAND, OH 44805	ALLEN CO. FARMERS 512 SMITHS GROVE RD. SCOTTSVILLE, KY 42164	ALLEN CO. FEED/SEED 301 S. 4TH ST. SCOTTSVILLE, KY 42164
ALLENSVILLE CROP SVC. 7645 ALLENSVILLE RD. ALLENSVILLE, KY 42204	ALLJACK, DIV OF UNITED IND. P.O. BOX 142642 ST. LOUIS, MO 63114-0642	ALLTECH, INC. 3031 CATNIP HILL PIKE NICHOLASVILLE, KY 40356
AMERICAN PLANT FOOD PO BOX 410042 CREVE COEUR, MO 63141	AMSOIL, INC. 925 TOWER AVE. SUPERIOR, WI 54880	AMTURF ENTERPRISES LLC 1451 E. SUMMIT CROWN POINT, IN 46307
ANDERSON CO FARM SVC 145 HAWKINS LAWRENCEBURG, KY 40342	AQUARIUM PHARMACEUTICALS, INC 50 E HAMILTON STREET CHALFONT, PA 18914	ASB GREENWORLD P.O. BOX 1728 VALDOSTA, GA 31603-1728

TABLE 3 (Continued)

BALLARD COUNTY COOP PO BOX 329 STE. 600 LACENTER, KY 42056	BANDANA AG INC. P.O. BOX 88 BANDANA, KY 42022	BARENBRUG USA, INC P.O. BOX 239 TANGENT, OR 97389
BARKY BEAVER MULCH, INC. RT1, BOX 84 3856 CLAY COUNTY RD. MOSS, TN 38575	BARREN METCALF FARM SUPPLY LLC 8202 SULPHUR WELL- KNOBLICK RD. KNOBLICK, KY 42154	BAYER ADVANCED LLC 31 INVERNESS CENTER PKWY STE. 425 BIRMINGHAM, AL 35242
BAYER ADVANCED, LLC P.O. BOX 12014 RESEARCH TRIANGLE PK, NC 27709	BAYER ADVANCED-B U OF BAY. CROP SC 95 CHESTNUT RIDGE ROAD MONTVALE, NJ 07645	BAYER ENVIRONMENTAL SCIENCE 95 CHESTNUT RIDGE ROAD MONTVALE, NJ 07645
BBL SCIENCES 4555 LAKE FOREST DR. STE. 650 CINCINNATI, OH 45242	BEATY FERTILIZER P.O. BOX 2878 CLEVELAND, TN 37320-2878	BECKER-UNDERWOOD, INC. 801 DAYTON AVE. AMES, IA 50010
BECKETT CORPORATION 5931 W. CAMPUS CIRCLE DR IRVING, TX 75063	BENICK BRANDS 2377 MAIN STREET GLASTONBURY, CT 06033	BIACOR, L.C. P.O. BOX 725 1895 N. 600 W. LOGAN, UT 84321
BIAGRO WESTERN SALES 35801 RD. 132 VISALIA, CA 93292	BICKETT AGRI CTR. 10391 ST. RT 175-N CENTRAL CITY, KY 42330	BICKETT AGRI CTR. 9921 STATE RD. 56-EAST MORGANFIELD, KY 42437
BIG LOTS 1321 2ND STREET HENDERSON, KY 42420	BIG RIVERS AGRI SUPPLY P.O. BOX 22879 OWENSBORO, KY 42304	BIG RIVERS ZINC CORPORATION 2401 MISSISSIPPI AVE SAUGET, IL 62201
BIO TLC 2386 INDUSTRIAL STREET BURLINGTON, OH L2P 1A1	BIO-LOGIC PO BOX 757 WEST POINT, MS 39773	BIOZ AGRI PRODUCTS INC RR #1 9551-306TH AVE OLIVER BC, CN V0H IT0
BLACK GOLD P. O. BOX 190 OXFORD, FL 34484	BLOOMFIELD FERT/CHEM 100 DEPOT STREET P.O. BOX 370 BLOOMFIELD, KY 40008-0370	BLUE SEAL FEEDS, INC P.O. BOX 8000 LONDONDERRY, NH 03053
BLUE YELLOW LLC 501 GLOUCESTER STREET STE. 100 BRUNSWICK, GA 31520	BLUEGRASS SEED/FERT INC. 3345 BLOOMFIELD RD. BARDSTOWN, KY 40004	BONIDE PRODUCTS, INC. 6301 SUTLIFF ROAD ORISKANY, NY 13424
BOYD FARM CTR. 222 E. PRINCETON CROFTON, KY 42217	BRANDT CONSOLIDATED P.O. BOX 277 PLEASANT PLAINS, IL 62677	BRYANT, OTIS & SON P.O. BOX 148 CANEVILLE, KY 42721
BUNTON SEED CO. 939 E. JEFFERSON ST. LOUISVILLE, KY 40206	BURKESVILLE FERT CO 242 NOBOB ROAD HWY. 839 EIGHTY EIGHT, KY 42130	BURKESVILLE FERTILIZER CO. BURKESVILLE, KY 42717
BUTTERFIELD FARMS P.O. BOX 184 EAU CLAIRE, PA 16030	C F FARM SUPPLY, INC. P.O. BOX 98 HISEVILLE, KY 42152	C F GROUP 2722 HWY. 3A PROVINCE, BC, CN V1L 6L6
C F INDUSTRIES SALEM LAKE DRIVE LONG GROVE, IL 60047	CAMERON CHEMICALS, INC. #5 BEECHWOOD COURT PORTSMOUTH, VA 23704	CAMPBELLSVILLE CROP SVC. P.O. BOX 7 CAMPBELLSVILLE, KY 42719
CANTON MILLS, INC P.O. BOX 97 MINNESOTA CITY, MN 55959	CARGILL P.O. BOX 5606 MINNEAPOLIS, MN 55440	CAROLINA SOIL CO. P.O. BOX 1140 KINSTON, NC 28503

TABLE 3 (Continued)

CASH VARIETY STORE 6205 HOLY CROSS RD. LORETTO, KY 40037	CAYCE THOMAS FARM SUPP. 3069 HWY. 1272 PRINCETON, KY 42445	CECILIA FARM SVC INC. P.O. BOX 7 CECILIA, KY 42724
CEN FARMERS SUP. OF GREEN 901 COLUMBIA HIGHWAY GREENSBURG, KY 42743	CENTRAL FIBER CORP. 4814 FIBER LANE RD. WELLSVILLE, KS 66092	CERES ENVIRO. SOLUTIONS IND, INC 208 JOSEPH CARRIER VAUDREUIL, QUEBEC, CN J7V 5V5
CHEM ONE LTD 8017 PINEMONT DR. STE. 100 HOUSTON, TX 77040	CHEMSICO, DIV OF UNITED INDUSTRIES P.O. BOX 142642 ST. LOUIS, MO 63114	CHEROKEE NITROGEN 1080 INDUSTRIAL DRIVE P.O. BOX 250 CHEROKEE, AL 35616
CIBA SPECIALTY CHEMICALS CORP P.O. BOX 820 2301 WILROY ROAD SUFFOLK, VA 23439-0820	CIBA-GEIGY CORP. P.O. BOX 18300 GREENSBORO, NC 27419	CLARKS GROCERY 6911 HWY. 779 ROCKHOLD, KY 40759
CLEARY CHEMICAL CORPORATION FERT 178 RIDGE ROAD DAYTON, NJ 08810	CLEMENTS AG SUPP. P.O. BOX 347 SPRINGFIELD, KY 40069	COFFEYVILLE RESOURCES NITROGEN 10 E. CAMBRIDGE CIRCLE KANSAS CITY, KS 66103
CONKLIN CO., INC. 551 VALLEY PARK DRIVE P.O. BOX 155 SHAKOPEE, MN 55379-0155	CONRAD FAFARD PO BOX 790 AGAWAM, MA 01001	CORBIN FARM/GARDEN CTR. P.O. BOX 1187 1205 MASTERS STREET CORBIN, KY 40701
CRITTENDEN FARM SUPP. 312 W. GUM ST. MARION, KY 42064	CROP PRODUCTION SVC INC (CAD) P.O. BOX 1279 CADIZ, KY 42211	CROP PRODUCTION SVC INC (CLA) P.O. BOX 8 CLARKSON, KY 42726
CROP PRODUCTION SVC INC (CLA) 8381 SR 132-W CLAY, KY 42404-2167	CROP PRODUCTION SVC INC (FRE) 3705 BEECHWOOD AVE. FRESNO, CA 93711	CROP PRODUCTION SVC INC (GAL) 2084 WINDISH GALESBURG, IL 61402-1467
CROP PRODUCTION SVC INC (HEN) 1229 OUTER 5TH ST. HENDERSON, KY 42420	CROP PRODUCTION SVC INC (HOD) P.O. BOX 147 HODGENVILLE, KY 42748	CROP PRODUCTION SVC INC (HOR) 6495 S. JACKSON HWY. HORSECAVE, KY 42749
CROP PRODUCTION SVC INC (MAD) P.O. BOX 506 MADISONVILLE, KY 42431	CROP PRODUCTION SVC INC (MOR) 4770 US HWY. 60 WEST MORGANFIELD, KY 42437	CROP PRODUCTION SVC INC (PEM) P.O. BOX 129 PEMBROKE, KY 42266
CROP PRODUCTION SVC INC (POO) 95 BAKER AVE. PO BOX 110 POOLE, KY 42444	CROP PRODUCTION SVC INC (RUS) P.O. BOX 777 RUSSELLVILLE, KY 42276	CROP PRODUCTION SVC INC (SLA) P.O. BOX 38 SLAUGHTERS, KY 42456
CROP PRODUCTION SVC INC (WAV) 4630 US HWY. 60-E WAVERLY, KY 42462	CROWN TECHNOLOGY, INC. 7513 E. 96TH ST. INDIANAPOLIS, IN 46256	CUB RUN MILLING CO. 11115 CUB RUN HWY. CUB RUN, KY 42729
DABNEY FEED SUPP 6075 HWY. 70 BRODHEAD, KY 40409	DABNEY FEED SUPP 5215 HWY 150 BRODHEAD, KY 40409	DABNEY FEED SUPP 6951 HWY. 39 SOMERSET, KY 42503
DAVEY TREE EXPERT CO. 1500 N. MANTUA ST. P O BOX 5193 KENT, OH 44240	DAVEY TREE EXPERT CO. 6065 BRANCH HILL RD. MILFORD, OH 45150	DELTAG PO BOX 4812 GREENVILLE, MS 38704
DOMESTIC FERTILIZER INC. 1750 SEVENTEENTH ST. PARIS, KY 40361	DRAKES FARM SVC. LOGAN SPORT ROAD P.O. BOX 308 MORGANTOWN, KY 42261-0308	DRAMM CORPORATION 2000 N 18TH STREET P.O. BOX 1960 MANITOWOC, WI 54220

TABLE 3 (Continued)

DREXEL CHEMICAL CO. P.O. BOX 13327 MEMPHIS, TN 38113-0327	DUNN'S FISH FARMS OF AR, INC P.O. BOX 85 FITTSTOWN, OK 74842	E.B. STONE & SON, INC. P.O. BOX 550 6111 LAMBIE ROAD SUISUN, CA 94585
EARTHWORKS PO BOX 278K MARTINS CREEK, PA 18063	EASY GARDNER P.O. BOX 21025 WACO, TX 76702-1025	EDEN BIOSCIENCE CORP 111 CATHEDRAL STREET ANNAPOLIS, MD 21401
EDEN BIOSCIENCE CORP 3830 MONTE VILLA PKWY BOTHHELL, WA 98021	EL DORADO CHEMICAL COMPANY 1950 ALPHA DRIVE STE. 100 ROCKWALL, TX 75087	ELKTON CROP SVC. 4050 GUTHRIE RD. GUTHRIE, KY 42234
EMERALD ISLE 2153 NEWPORT RD. ANN ARBOR, MI 48103	ENCAP, LLC 3921 ALGOMA ROAD GREEN BAY, WI 54311-9707	ENVIRO-SAFE LABS, INC 1579 BARBER ROAD SARASOTA, FL 34240
ESCO CORPORATION P.O. BOX 655650 DALLAS, TX 75265	ESPOMA CO. 6 ESPOMA RD. MILLVILLE, NJ 08332	EVERGREEN LIQUID PLANT 790 ST. CHARLES ST. W R.R. #1 BRESLAU, ON, CN NOB IMO
EXCEL MARKETING INC WALNUT CREEK, CA 94597	FAIRPLAY FERTILIZER 1425 GLENSFORK ROAD GLENSFORK, KY 42741	FARM FOR PROF RES. 4345 HWY. 21 EMBARRASS, MN 55732
FARMERS CO-OP MIDWAY 4075 US 641 SOUTH MURRAY, KY 42071	FARMERS FERTILIZER CO. 150 SUNSET AVE. P.O. BOX 127 SMITHS GROVE, KY 42171	FARMERS FERTILIZER CO. (KELLY RD) 739 KELLEY RD. BOWLING GREEN, KY 42101
FARMERS FERTILIZER CO. (NASH. RD) 5619 OLD NASHVILLE RD. LOOP 2 BOWLING GREEN, KY 42101	FARMERS GIN CO. P.O. BOX 295 CLINTON, KY 42031	FARMERS LIME CO. HWY. 45-E SOUTH FULTON, TN 38257
FARNAM CO. 301 W. OSBORN RD. PHOENIX, AZ 85013	FEED SOLUTIONS P.O. BOX 66812 ST. LOUIS, MO 63166	FELTY CROP SVC. 230 E. FIRST BEAVER DAM, KY 42320
FERTIGATION PRODUCTS & SVC, INC 114 GLADIATOR ROAD DOUGLAS, GA 31533	FLEMING CO FARM SUPP. 1724 MAYSVILLE ROAD FLEMINGSBURG, KY 41041	FLORATINE PROD. 475 E. SOUTH STREET STE. 112 COLLIERSVILLE, TN 38017-2770
FLORISTS TRANSWORLD DELIVERY 3113 WOODCREEK DRIVE DOWNERS GROVE, IL 60515	FRANKLIN CROP SVC. 2169 SPRINGFIELD RD. FRANKLIN, KY 42134	FREE FLOW FERTILIZER CO. P. O. BOX 119 MAUMEE, OH 43537
FRIT INDUSTRIES P.O. BOX 1589 OZARK, AL 36361	GAMALIEL BULK FERT. 701 E. MAIN ST. GAMALIEL, KY 42140	GARDENSCAPE, INC. P.O. BOX 184 EAU CLAIRE, PA 16030
GARICK 13600 BROADWAY AVENUE CLEVELAND, OH 44125	GENERAL HYDROPONICS PO BOX 1576 SEBASTOPOL, CA 95473	GILES CHEMICAL CORP 102 COMMERCE STREET WAYNESVILLE, NC 28786
GLENDALE FARM SVC. P.O. BOX 155 GLENDALE, KY 42740	GLOBAL STONE CORPORATION P.O. BOX 739 BUCHANAN, VA 24066	GNS III (US) 8813 HWY 41S RIVERVIEW, FL 33569
GOOD EARTH HORTICULTURE, INC P.O. BOX 266 LANCASTER, NY 14086	GRANT CO FARM SUPP. P.O. BOX 116 DRY RIDGE, KY 41035	GRAVES CO SOIL ASSOC. 521 S 16TH STREET MAYFIELD, KY 42066

TABLE 3 (Continued)

GREAT SALT LAKE MINERALS P.O. BOX 1190 OGDEN, UT 84402	GREEN CHARGER FERT CORP. P.O. BOX 26234 RICHMOND, VA 23260	GREEN COUNTRY SOIL 8500 S. 620 ROAD MIAMI, OK 74354
GREEN HAGSTROM 7767 FERVALE RD. PO BOX 658 FAIRVIEW, TN 37062	GREEN LIGHT PO BOX 17985 SAN ANTONIO, TX 78216	GREEN RIVER FEED MILL P.O. BOX 410 700 S. MAIN STREET MORGANTOWN, KY 42261
GREEN THUMB ORGANICS P.O. BOX 236 LAPORTE, IN 46352	GREEN THUMB ORGANICS, INC P.O. BOX 236 AVILLA, IN 46352	GREENLEAF PLANT FOOD P.O. BOX 113 410 VAKSDAHL AVENUE DANVILLE, KY 40423
GREENLEAF PRODUCTS P.O. BOX 317 HAINES CITY, FL 33845	GREENVIEW DIV- LEBANON SEABOARD CO 1600 E. CUMBERLAND ST. LEBANON, PA 17042	GRIFFIN INDUSTRIES INC. 4221 ALEXANDRIA PIKE COLD SPRING, KY 41076-1821
GRIFFIN INDUSTRIES INC. P.O. BOX 2007 HENDERSON, KY 42419-2007	GRIGG BROTHERS P.O. BOX 128 ALBION, ID 83311	GRO TEC INC. P.O. BOX 290 MADISON, GA 30650-1821
GRO-MOR AG INC. 95 UTILITY DRIVE RUSSELLVILLE, KY 42276	GROWERS CHEMICAL CORP. LOCKWOOD RD. P.O. BOX 1750 MILAN, OH 44846	GROWMARK INC. 1701 TOWANDA AVE. BLOOMINGTON, IL 61702
GROWTH PRODUCTS, LTD. P.O. BOX 1252 WHITE PLAINS, NY 10602	GUSTAFSON LLC 1400 PRESTON ROAD STE. 400 PLANO, TX 75093	HANCOCK COUNTY FARM P.O. BOX 95 HAWESVILLE, KY 42348
HARDINSBURG FARM SUPP 1584 HWY 60 EAST HARNED, KY 40144	HARRELL'S INC P.O. BOX 807 LAKE LAND, FL 33815	HARVEY PRODUCTS, INC P.O. BOX 63 BLUE MOUNDS, WI 53517
HARVEY PRODUCTS, INC 2080 MCKIMBER STREET HARVEY, IA 50119	HEARTLAND FERTILIZER COMPANY P.O. BOX 877 PALMETTO, FL 34220	HELENA CHEMICAL 115-G BELTON DRIVE SPARTANBURG, SC 29301
HELENA CHEMICAL P.O. BOX 366 SPRINGFIELD, KY 40069	HELENA CHEMICAL CO. 3500 ST RT 1099 HICKMAN, KY 42050	HELENA CHEMICAL CO. 2301 EBACH STREET OWENSBORO, KY 42303
HELENA CHEMICAL COMPANY 225 SCHILLING BLVD. SUITE 300 COLLIERVILLE, TN 38017	HELM FERTILIZER 10150 HIGHLAND MANOR DR. SUITE 230 TAMPA, FL 33610	HENRY FARMERS COOP P.O. BOX 1058 PARIS, TN 38242
HINDMAN PRO MART RT. 160 BOX 1350 HINDMAN, KY 41822	HINTON, FRANK & SON P.O. BOX 10 PLUMMERS LANDING, KY 41081	HONEY CREST FARMS 8868 LEE LANE BENTONVILLE, AR 727129414
HONEYWELL P.O. BOX 1559 HOPEWELL, VA 23860	HOWARD JOHNSON'S ENT, INC 1301 INDUSTRIAL DRIVE NEOSHO, MO 64850	HOWARD JOHNSON'S ENT, INC 305 RAILROAD AVE VIROQUA, WI 54665
HOWARD JOHNSONS INC. 700 W. VIRGINIA ST. STE. 222 MILWAUKEE, WI 53204	HYDRAFEED, INC P.O. BOX 2328 ORINDA, CA 94563	HYDRO AGRI N. AMERICA 100 N. TAMPA ST. STE. 3200 TAMPA, FL 33602
HYDROLYSATE COMPANY OF AMERICA, LLC P.O. BOX 271 ISOLA, MS 38754	HYPONEX CORP. 14111 SCOTTS LAWN RD. MARYSVILLE, OH 43041	IMC USA, INC. 3033 CAMPUS DRIVE LAKE FOREST, IL 60045

TABLE 3 (Continued)

IRONITE PRODUCTS P.O. BOX 218 HUMBOLDT, AZ 86329	J.R. SIMPLOT COMPANY (BOI) P.O. BOX 27 BOISE, ID 83707	JANES FERT/FARM 4540 EDMONTON RD. COLUMBIA, KY 42728
JEFFERSONVILLE RIVER TERMINAL 5130 PORT ROAD JEFFERSONVILLE, IN 47130	JIFFY PRODUCTS OF AMERICA 600 INDUSTRIAL PKWY NORWALK, OH 44857	JONATHAN GREEN & SONS P.O. BOX 326 FARMINGDALE, NJ 07727
JRM CHEMICAL 4881 NEO PKWY. CLEVELAND, OH 44128	JUNGLE LABORATORIES P.O. BOX 630 CIBOLO, TX 78108-0630	KEES FARM SVC . P.O. BOX 901 GRAYSON, KY 41143
KELLY PRODUCTS INC 10115 HWY 142, N COVINGTON, GA 30014	KENTUCKY FERTILIZER WORKS WINCHESTER, KY 40391	KNOX FERTILIZER CO., INC. P.O. BOX 248 W. CULVER ROAD KNOX, IN 46534
KOCH NITROGEN COMPANY 502 EAST HOSLER ROAD HUNTINGTON, IN 46750	KOCH NITROGEN COMPANY 5051 EAST COUNTY ROAD 000N MATTOON, IL 61938	KOCH NITROGEN COMPANY P.O. BOX 1028 TAFT, LA 70057
KOCH NITROGEN COMPANY P.O. BOX 2900 4111 EAST 37TH STREET NORTH WICHITA, KS 67220	KOCH NITROGEN INT'L SARL P.O. BOX 2219 WICHITA, KS 62701-2219	KRESTI A. LYDDON, CONSULTING 9980-230 S+N SCANDEA, MN 55273
LAWN AND GARDEN PRODUCTS, INC P O BOX 35000 FRESNO, CA 93745	LAWN CURE OF SOUTH. IN 1611 SPRING ST. P.O. BOX 1295 JEFFERSONVILLE, IN 47130	LEACA, LLC. 250 MCLEAN POINT-EAST WINTER HAVEN, FL 33884
LEBANON CHEM 1600 E. CUMBERLAND ST. LEBANON, PA 17042	LEBANON SEABOARD 1600 E. CUMBERLAND ST. LEBANON, PA 17042	LESCO INC. 1301 EAST 9TH STREET STE. 1300 CLEVELAND, OH 44114-1849
LIDOCHEM, INC. 20 VILLAGE CT. HAZLET, NJ 07730	LILLY MILLER BRANDS P.O. BOX 2289 CLACKAMAS, OR 97015	LITTLE GIANT PUMP COMPANY 3810 N TULSA OKLAHOMA CITY, OK 73112
LOUISVILLE & JEFFERSON CTY MSD P.O. BOX 740011 LOUISVILLE, KY 40201	LOVELAND PRODUCTS, INC. P.O. BOX 1286 GEELEY, CO 80632	LSB INDUSTRIES 4000 N.W. 39TH OKLAHOMA CITY, OK 73112
LYONCO FARM SUPP. INC TOMKINSVILLE, KY 42167	MACON TROUSDALE FARMERS 905 SCOTTSVILLE RD. LAFAYETTE, TN 37083	MAGIC GREEN CORP. 4598 HWY. H SILEX, MO 63377
MARSHALL COUNTY SOIL P.O. BOX 230 501 POPLAR BENTON, KY 42025	MARTIN MARIETTA 195 CHESAPEAKE PARK PLAZA STE. 200 BALTIMORE, MD 21220-4201	MARTIN MARIETTA 1800 E. LAKE ROAD MANISTEE, MI 49660
MARTIN MARIETTA 1800 LAKE ROAD MANISTEE, MI 49660	MARTIN MARIETTA 2710 WYCLIFF ROAD RALEIGH, NC 27607-3033	MARTIN RESOURCES P.O. BOX 191 KILGORE, TX 75662
MASTERBLEND INTERNATIONAL LLC P.O. BOX 365 ELWOOD, IL 60421	MATHIS FARM SUPP. 5799 SHAW RD. MELBER, KY 42069	MAUGET, J.J. CO., INC. 5435 PECK RD. ARCADIA, CA 91006-5847
MAYFIELD GRAIN CO. P.O. BOX 950 MAYFIELD, KY 42066	MAYS LICK MILL 6538 US 68 MAYS LICK, KY 41055	MCGREW FARM CENTER 708 MCGREW ROAD SMITHLAND, KY 42081

TABLE 3 (Continued)

MEIJER (GRAND) 2929 WALKER NW GRAND RAPIDS, MI 49544	MFA, INC. 201 RAY YOUNG DR. COLUMBIA, MO 65201-3599	MFS ALLIANCE INC P.O. BOX 179 EDMONTON, KY 42129
MGS HORTICULTURAL 50 HAZELTON LEAMINGTON, ON N8H 3W1	MICHIGAN BULB CO. AND AFFILIATES 110 W ELM STREET TIPP CITY, OH 45371-1655	MICHIGAN PEAT CO. P.O. BOX 980129 HOUSTON, TX 77098-0129
MIDWEST AGRI-CHEMICO INC. P.O. BOX 1717 4868 NASH CAPE GIRARDEAU, MO 63702	MILES FARM CENTER (CYN) 430 N MAIN STRET P. O. BOX 310 CYNTHIANA, KY 41031	MILES FARM CENTER (EKR) P.O. BOX 10 EKRON, KY 40117
MILES FARM CENTER (LEB) P.O. BOX 493 LEBANON, KY 40033	MILES FARM CENTER (SAC) P.O. BOX 229 SACRAMENTO, KY 42372	MILES FARM CENTER (SHEL) P.O. BOX 488 SHELBYVILLE, KY 40065
MILES FARM SUPPLY (OWEN) P.O. BOX 22879 OWENSBORO, KY 42301	MILES FARM SUPPLY (UPT) P.O. BOX 108 UPTON, KY 42784	MILES FARM-WHOLESALE FERT P.O. BOX 22879 OWENSBORO, KY 42304-2379
MILLER CHEMICAL & FERT. P.O. BOX 333 RADIO ROAD HANOVER, PA 17331	MILLERS LAWN CARE 755 BUZZARD ROAST RD. SHELBYVILLE, KY 40065	MILLERSBURG FERT. CO. P.O. BOX 284 MILLERSBURG, KY 40348
MILORGANITE DIV. MMSD P.O. BOX 3049 MILWAUKEE, WI 53201-3049	MINERAL PROCESSING 1855 CH 99 CAREY, OH 43316-3049	MINERAL VISIONS 11830 RAVENNA ROAD CHARDON, OH 44024
MIRACLE GRO LAWN PRODUCTS 14111 SCOTTSLAWN ROAD MARYSVILLE, OH 43041	MISSISSIPPI CHEMICAL CORP. YAZOO CITY, MS 39194	MISSISSIPPI PHOSPHATES CORP P.O. BOX 848 PASCAGOULA, MS 39568-0848
MISSISSIPPI PHOSPHATES CORP. ATTN: JIA SCOTT P.O. BOX 986 YAZOO CITY, MS 39194	MONTGOMERY CO-OP STATELINE 1801 RANDOLPH BLVD CLARKSVILLE, TN 37040	6002 MONTYS PLANT FOOD P.O. BOX 22454 LOUISVILLE, KY 40222
MONTYS PLANT FOOD 8903 NOTTINGHAM PKY. LOUISVILLE, KY 40222	MORRAL CO. 132 POSTLE ST. P O BOX 26 MORRAL, OH 43337	MOSAIC CROP NUTRITION, LLC 8813 HWY 41 S RIVERVIEW, FL 33569
MOSAIC PHOSPHATES CO 8813 HWY 415 RIVERVIEW, FL 33569	MOSIAC, USA 8813 HWY 415 RIVERVIEW, FL 33569	NA-CHURS/ALPINE SOLUTIONS 421 LEADER ST. MARION, OH 43302-9989
NATURE'S PERFECT BLEND 1350 BLUEGRASS LAKES PKWY. ALPHARETTA, GA 30014	NDS., INC. 21820 BURBANK BL. 200 WOODLAND HILLS, CA 91302	NEW PLANT LIFE 345 E. HUPP ROAD LA PORTE, IN 46350
NEWAYS, INC 150 EAST 400 NORTH SALEM, UT 89653	NORTH COUNTRY ORGANICS PO BOX 372 BRADFORD, VT 05033	NOVOZYMES BIOLOGICALS 3434 SOUTH 400 EAST ALBION, IN 46701
NOVOZYMES, INC 5400 CORPORATE CIRCLE SALEM, VA 24153	NU-GRO TECHNOLOGIES INC. P.O. BOX 290 DE WITT, MI 48820	NULEX, INC 1919 GRAND AVE. SIOUX CITY, IA 51106
NUTRA-FLO CO 1919 GRAND AVE. SIOUX CITY, IA 51107	NUTRECOLOGY 1754 E BULLARD AVENUE STE. 102 FRESNO, CA 93710	OCEAN CREST SEAFOODS, INC. 88 COMMERCIAL ST. GLOUCESTER, MA 01930

TABLE 3 (Continued)

OLDCASTLE STONE PRODUCTS 2200 SULLIVAN TRAIL EASTON, PA 18040	OLDCASTLE STONE PRODUCTS 550 S. BIESECKER ROAD THOMASVILLE, PA 24224	OLDFIELD, J.A. & SON 110 N. MILL ST. MIZE, KY 41352
ORGANIC LABORATORIES, INC 2963 SE DOMINICA TERRACE STUART, FL 34997	PADUCAH AG SERVICES 4955 NOBLE ROAD PADUCAH, KY 42001	PARRISH SHOP/SALES 8834 LARUE RD. HENDERSON, KY 42420
PAYGRO CO DIV OF GARICK 11000 HUNTINGTON RD. S. CHARLESTON, OH 45368	PBI GORDON CORP. 300 S. 3RD ST. BOX 014090 KANSAS CITY, MO 66118	PBI GORDON CORP. 1217 W. 12TH ST. KANSAS CITY, MO 64101
PCS SALES (USA), INC. 1101 SKOKIE BLVD SUITE 400 NORTHBROOK, IL 60062	PENNINGTON SEED INC P.O. BOX 338 GREENFIELD, MO 65661	PENNINGTON SEED INC. P.O. BOX 290 MADISON, GA 30650
PENNYRILE AG OIL INC. 2260 PRINCETON RD. HOPKINSVILLE, KY 42240	PETERS, J.R. 6656 GRANT WAY ALLENTOWN, PA 18106	PHELPS DODGE SIERRITA, INC 6200 W. DUVAL MINE ROAD GREEN VALLEY, AZ 85614
PHOSYN PLC MANOR PLACE, WELLINGTON RD THE INDUSTRIAL ESTATE, POCK. YORK, UK YO42 IDN	PICC 201 E. 42ND ST. NEW YORK, NY 10017	PIONEER SOUTHERN P O BOX 266 LANCASTER, NY 14086
PLANT MARVEL LABS 371 E. 16TH ST. CHICAGO HEIGHTS, IL 60411	PLANT PRODUCTS CO, LTD 314 ORENDA RD. BRAMPTON, CN L6T 1-G1	PLANTABBS PRODUCTS P.O. BOX 165 HUNT VALLEY, MD 21030
PLATTE CHEMICAL GREELEY, CO 80632	PLATTE CHEMICAL CO. 7251 W 4TH STREET GREELEY, CO 80634	PLEASANT VIEW FARMS 446 SOUTH UNION ROAD AUBURN, KY 42206
POORE, C D FERTILIZER 708 BURKESVILLE RD. ALBANY, KY 42602	PQ CORP. P.O. BOX 840 VALLEY FORGE, PA 19482	PRATHER WORM CASTINGS 582 GOODLET ROAD SALVISA, KY 40372
PREMIER HORTICULURE, INC 127 S. FIFTH STREET STE. 300 QUAKERTOWN, PA 18951	PREMIUM WOOD AND GARDEN 345 E MAIN STREET STE. H JACKSON, OH 45640	PRINZO, J.C. CONSULTING 6678 SPRINGDALE DR. MIDDLEBURG HEIGHTS, OH 44130
PRO SOL P.O. BOX 1589 OZARK, AL 36361	PROGRESSIVE TURF LLC 5350 BALL GROUND HYW BALL GROUND, GA 30107	PURE BARNYARD, INC 199 CONSTITUTION AVE PORTSMOUTH, NH 03801
PURSELL INDUSTRIES P.O. BOX 540 SYLACAUGA, AL 35150	QUALITY BORATE COMPANY 3690 ORANGE PLACE SUITE 495 CLEVELAND, OH 44122	RAINBOW TREECARE 2239 EDGEWOOD AVENUE MINNEAPOLIS, MN 55426
RAINTREE SVC OF W KY 400 CENTER STREET P.O. BOX 51634 BOWLING GREEN, KY 42101	RAINTREE SVC OF W KY DBA CHEMLAWN 633 N. 6TH ST. PADUCAH, KY 42001	REGENERATED RESOURCES LLC 205 NEWBURY STREET FRAMINGHAM, MA 01701
REGISTRATIONS BY DESIGN 118 1/2 E. MAIN ST STE. 1 SALEM, VA 24153	RENAISSANCE FERT, INC 2300 TOTEM TRAIL MINNETONKA, MN 55305	RICH POND CROP SVC. 1753 RICHPOND RD. BOWLING GREEN, KY 42101
RIPS FARM CENTER PO BOX 176 TOLLESBORO, KY 41189	RIVER AG OF ILLINOIS INC. P.O. BOX 629 METROPOLIS, IL 62960	RIVER BEND AG LLC P.O. BOX 126 NEW MADRID, MO 63869

TABLE 3 (Continued)

RIVER CITY LANDSCAPE SUPPLY 1 RIVERVIEW AVENUE SAUGET, IL 62201	ROCKCASTLE FARM SUPPLY MT VERNON, KY 40456	ROCKY MOUNTAIN BIO PRODUCTS DIV OF BOWMAN CONST. 2310 S SYRACUSE WAY DENVER, CO 80231
ROD MCLELLAN COMPANY 14111 SCOTTSLAWN ROAD MARYSVILLE, OH 43041	ROOTBLAST INTERNATIONAL INC P.O. BOX 20109 CANTON, OH 44707	ROYSTER CLARK (ADA) 3902 SCHOCHOH RD. ADAIRVILLE, KY 42202
ROYSTER CLARK (COLL) 6 EXECUTIVE DR. P. O. BOX 1986 COLLINSVILLE, IL 62234-1986	ROYSTER CLARK (FANC) 10693 STATE RT. 121N FANCY FARM, KY 42039	ROYSTER CLARK (FLO) P.O. BOX 158 FLORENCE, AL 35631
ROYSTER CLARK (FRAN) P.O. BOX 401 211 COMMERCE STREET FRANKLIN, KY 42134	ROYSTER CLARK (GUTH) P.O. BOX 395 720 STATE STREET GUTHRIE, KY 42234	ROYSTER CLARK (HARD) 1266 BREWER HWY PO BOX 84 HARDIN, KY 42048
ROYSTER CLARK (MTCA) HWY. ONE SOUTH MT. CARMEL, IN 62863	ROYSTER CLARK (MURR) 204 W. RAILROAD AVE. MURRAY, KY 42071	ROYSTER CLARK (NORF) 999 WATERSIDE DRIVE STE. 800 NORFOLK, VA 23510
ROYSTER CLARK (SED) 1680 STATE RT 339E PO BOX 8 SEDALIA, KY 42079	ROYSTER CLARK (SPRI) BOX 38 CEDAR HILL, TN 37032	ROYSTER CLARK (SPRIN) 5081 HWY. 431-N SPRINGFIELD, TN 37172
ROYSTER CLARK (TARB) 495 W ST. JAMES STREET P.O. BOX 250 TARBORO, NC 27886	ROYSTER CLARK (UNION) P.O. BOX 40 530 N 5TH STREET UNION CITY, TN 38261	ROYSTER CLARK (UTICA) P.O. BOX 128 HWY 431 S UTICA, KY 42376
ROYSTER CLARK (WASH) 717 ROBINSON RD. WASHINGTON CH, OH 43160	ROYSTER CLARK (WINS) P.O. BOX 4429 WINSTON-SALEM, NC 27115-4429	ROYSTER CLARK (WISC) P.O. BOX 7667 MADISON, WI 53714
ROYSTER CLARK (WISC) 902 DEMPSEY ROAD MADISON, WI 53714	ROYSTER CLARK (WYNN) P.O. BOX 117 HWY 78 S WYNNBURG, TN 38077	RUDOLPH FARM SUPPLY, INC 521 E. MAIN ST. SALEM, KY 42078
RUSSELLVILLE CROP SERVICE P.O. BOX 8 MORGANTOWN ROAD RUSSELLVILLE, KY 42276-0008	SANDIDGES STORE EUBANK, KY 42567	SCHOCHOH CROP 5240 HALL STORE RD. RUSSELLVILLE, KY 42276
SCHULTZ CO. 13260 CORP. EXCHANGE DR. BRIDGETON, MO 63044	SCOTT FARMERS CO-OP P.O. BOX 4816 ONEIDA, TN 37841	SCOTT G. WILLIAMS, LLC 211 GENERAL ARTS ROAD CONYERS, GA 30012
SCOTTS MIRACLE-GRO PRODUCTS, INC 14111 SCOTTSLAWN ROAD MARYSVILLE, OH 43041	SCOTTS SIERRA 14111 SCOTTSLAWN RD. MARYSVILLE, OH 43041	SEACHEM LABORATORIES 15151 - A PRATER DRIVE COVINGTON, GA 30014
SECURITY SEED/CHEMICAL 5217 GUTHRIE HWY CLARKSVILLE, TN 37040	SHELLEY, W.H. 3352 COLFAX ROAD HILLSBORO, KY 41049	SIERRA ORGANICS BOX 31750 STOCKTON, CA 95213
SNIP STICK 'N GRO, LLC P.O. BOX 249 FALLBROOK, CA 92088	SOUTHEASTERN POND MGT 2469 HIGHWAY 31 CALERA, AL 35040	SOUTHERN EXCELLENCE 406 SOUTH LAKE ROAD JACKSON, AL 36545
SOUTHERN FS, INC PO BOX 728 MARION, IL 62959	SOUTHERN IMPORTERS, INC. P.O. BOX 8579 GREENSBORO, NC 27419	SOUTHWEST LANDMARK 5867 DAY HILL ROAD GEORGETOWN, OH 45121

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SOUTHWEST LANDMARK P.O. BOX 189 XENIA, OH 45385	SOUTHWEST LANDMARK, INC 818 S US RT 42 LEBANON, OH 45036-0117	SPECIALTY FERTILIZER PROD. 134 CHERRY HILL DR. BELTON, MO 64012
SPECTRUM GROUP 2150 SCHUETZ ROAD POB 142642 ST. LOUIS, MO 63146-3538	SPEED AG SERVICE 345 ST. RT. 166W HICKMAN, KY 42050	SPEEDLING P.O. BOX 378 BUSHNELL, FL 33513
SQM NORTHAMERICA 3101 TOWERCREEK PKWY. STE. 450 ATLANTA, GA 30339	SS (BARD) BARDSTOWN SVC 403 CATHEDRAL MANOR BARDSTOWN, KY 40004	SS (BOWL) BOWLING GREEN COOP 640 PLUM SPRINGS BOWLING GREEN, KY 42101
SS (BRIS) COOP INC. 136 BAKERY ROAD BRISTOL, VA 24201	SS (CADI) CADIZ BR 2829 HOPKINSVILLE RD. CADIZ, KY 42211	SS (CALH) CALHOUN 1432 KY 136-E CALHOUN, KY 42327
SS (CAMP) CAMPBELLSVILLE 1720 E. BROADWAY CAMPBELLSVILLE, KY 42718	SS (CAMP) KNTCKANA SVC CMPBL 7432 CARROLLTON RD. CAMPBELLSBURG, KY 40011	SS (CARL) OWINGS SVC-CARLISLE BR 102 DORSEY AVE. CARLISLE, KY 40311
SS (CLAY) BRANCH 205 E. RAILROAD ST. PO BOX 175 CLAY, KY 42404	SS (COLU) GREEN RVR SVC ADAIR 210 MERCHANT ST. COLUMBIA, KY 42728	SS (CYN) LEXINGTON COOP-CYN 122 RAILROAD AVENUE CYNTHIANA, KY 41031
SS (DANV) COOP BOYLE BR 1244 LEBANON RD. DANVILLE, KY 40422	SS (ELIZ) HARDIN COOP, INC 402 S. MULBERRY ST. ELIZABETHTOWN, KY 42701	SS (ELKT) RUSS.-TODD BRANCH P.O. BOX 278 606 W MAIN STREET ELKTON, KY 42220
SS (EMIN) INC KNTCKANA SVC-HENRY BR SVC 760 ELM ST. EMINENCE, KY 40019-9801	SS (FLEM) FLEMINGSBURG 658 WEST WATER FLEMINGSBURG, KY 41041	SS (FRAN) ANDRSN FRNKLN-FRNKFRT 1211 WILKINSON BLVD. FRANKFORT, KY 40601
SS (FRAN) SIMPSON COOP 301 FINN ST. FRANKLIN, KY 42134	SS (GEOR) GEORGETOWN COOP 1141 PARIS RD. GEORGETOWN, KY 40324	SS (GLAS) GLASGOW COOP 300 SAMSON ST. GLASGOW, KY 42141
SS (GREE) GREENVILLE KY SVC 212 W. DEPOT ST. GREENVILLE, KY 42345	SS (HARD) BRECK COOP 122 OLD HWY. 60 ROUTE 4 BOX 122 HARDINSBURG, KY 40143	SS (HARR) CNTRL KY SVC 1027 N. COLLEGE HARRODSBURG, KY 40330
SS (HEND) HENDERSON COOP 5290 HWY 425 BYPASS HENDERSON, KY 42420	SS (HODG) HARDIN COOP HODG BR SVC 310 W. WATER ST. HODGENVILLE, KY 42748	SS (HOPK) HOPKINSVILLE COOP 501 E. 13TH ST. HOPKINSVILLE, KY 42240
SS (HORS) HORSE CAVE COOP 1104 S. DIXIE ST. HORSE CAVE, KY 42749	SS (ISLA) COOP ISLAND BR ISLAND, KY 42350	SS (LAGR) KY SVC BR-LAGRANGE BR 112 S. FIRST ST. LAGRANGE, KY 40031
SS (LAWR) ANDERSON FRANKLIN SVC BR 1241 GLENSBORO RD. LAWRENCEBURG, KY 40342	SS (LEBA) LEBANON SVC 215 DEPOT ST. LEBANON, KY 40033	SS (LEIT) LEITCHFIELD COOP 118 W. WHITE OAK ST. PO BOX 383 LEITCHFIELD, KY 42754
SS (LEXI) LEXINGTON COOP 949 PINE ST. LEXINGTON, KY 40508	SS (LIBE) LIBERTY SVC HC 65, BOX 155 225 S WALLACE WILKINSON BLVD LIBERTY, KY 42539	SS (LOND) LONDON COOP 1208 BARBOURVILLE STREET LONDON, KY 40741
SS (MADI) MADISONVILLE COOP 1001 PRIDE AVE. MADISONVILLE, KY 42431	SS (MADIS) SEBRE BR 1001 PRIDE AVENUE MADISONVILLE, KY 42431-1298	SS (MAYS) MAYSVILLE COOP 1325 CLYDE BARBOUR HWY PO BOX 668 MAYSVILLE, KY 41056-0668

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SS (MORG) MORGANFIELD COOP 304 N. TOWNSEND ST. MORGANFIELD, KY 42437	SS (MURR) CALLOWAY SVC P.O. BOX 750 MURRAY, KY 42071	SS (NICH) NICHOLASVILLE SVC 309 N THIRD STREET NICHOLASVILLE, KY 40356
SS (OWEN) COOP OWENSBORO 800 CRABTREE AVE. OWENSBORO, KY 42301	SS (OWEN) OWENTON COOP, INC 355 N. MAIN ST. OWENTON, KY 40359	SS (OWIN) OWINGSVILLE SVC P.O. BOX 557 409 BROOKS AVENUE OWINGSVILLE, KY 40360
SS (RICH) COOP INC FERT DIV P.O. BOX 26234 6606 W. BROAD STREET RICHMOND, VA 23260	SS (RICH) INC CROPS FARM P.O. BOX 26234 6606 W. BROAD ST. RICHMOND, VA 23260	SS (RICH) RICHMOND SVC P.O. BOX 916 RICHMOND, KY 40475
SS (RUSS) COOP, INC. P.O. BOX 600 US 68E, BOWLING GREEN ROAD RUSSELLVILLE, KY 42276	SS (RUSS) RUSSELL SPRINGS BR 130 WILSON ST. PO BOX 280 RUSSELL SPRINGS, KY 42642	SS (RUSS) RUSSELLVILLE COOP 209 N. BETHEL ST. PO BOX 480 RUSSELLVILLE, KY 42276
SS (SHEL) SHELBYVILLE COOP 623 S. 7TH ST. PO BOX 39 SHELBYVILLE, KY 40065	SS (SOME) SOMERSET COOP 941 N. HWY. 27 SOMERSET, KY 42501	SS (SPRI) LEBANON-SPRINGFIELD BR 1752 BARDSTOWN RD. SPRINGFIELD, KY 40069
SS (STAN) STANFORD SVC 925 HWY 150 E STANFORD, KY 40484	SS (WARS) GALLATIN SVC US 42 WEST WARSAW, KY 41095	SS (WINC) CLARK COOP 21 PENDLETON ST. WINCHESTER, KY 40391
SS (WINC) COOP, INC. P.O. BOX 516 MAGNOLIA ROAD WINCHESTER, KY 40391	STANLEY AG SERVICE LLC P.O. BOX 37 STANLEY, KY 42375	STEPHEN FOLLETT CO, INC 4697 COUNTY RD. I STURGEON BAY, WI 54235
STOLLER ENTERPRISES, INC 4001 W. SAM HOUSTON PKWY STE. 100 HOUSTON, TX 77043-1226	STRONG PLANT 1997 E. HWY 600 HEREFORD, TX 79045	SUMMERS ORGANIZATION LLC DBA PREMIUM WOOD AND GARDEN 345 E MAIN STREET, STE H JACKSON, OH 45640
SUN BULB COMPANY, INC. P.O. DRAWER 698 ARCADIA, FL 34265	SUN GRO HORTICULTURE DISTRIBUTING 15831 NE 8TH STREET SUITE 100 BELLVUE, WA 98008	SUNWRAY LIQUID FERT. INC. 2559 STATE RT 94W WINGO, KY 42088
SUSTANE/NATURAL FERTILIZER P.O. BOX 19 310 HOLIDAY AVE CANNON FALLS, MN 55009	SWISS FARMS PRODUCTS, INC. 3773 HOWARD HUGHES PKWY. STE. 300-N LAS VEGAS, NV 89109	T AND N, INC P O BOX 240 815 HWY T FORISTELL, MO 63348
T-TECH COMPANY P.O. BOX 190 HUMBOLDT, TN 38343	TAYLOR, G.M. SEED CO. 618 MILITARY ST. GEORGETOWN, KY 40324	TENNESSEE FARMERS COOP 200 WALDRON RD. PO BOX 3003 LAVERGNE, TN 37086
TERRA NITROGEN CORP. PO BOX 6000 SIOUX CITY, IA 51102	TERRA RENEWAL SERV. 611 UNION ST. DARDANELLE, AR 72834	TERRACYCLE INC 121 NEW YORK AVENUE TRENTON, NJ 08638-5201
TESSENDERLO KERLEY 2255 N. 44TH ST. STE. 300 PHOENIX, AZ 85008	TETRA MICRONUTRIENTS 25025 I-45 NORTH THE WOODLANNS, TX 77380	TETRA SALES, USA 3001 COMMERCE ST. BLACKSBURG, VA 24060
THE ANDERSONS 2345 SOUTH 400 EAST LOGANSPOBT, IN 46947	THE ANDERSONS LAWN FERT DIV P.O. BOX 119 MAUMEE, OH 43537	THE DOGGETT CORP. 30 CHERRY ST. LEBANON, NJ 08833
THE FERTRELL COMPANY P.O. BOX 265 BAINBRIDGE, PA 17502	THE ORTHO GROUP P.O. BOX 190 MARYSVILLE, OH 43041	THE SANCTUARY P.O. BOX 656 WINTER PARK, CO 80482

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THE SCOTTS CO. 14111 SCOTTS LAWN RD. MARYSVILLE, OH 43041	THE WONDER COMPANY 665 VERNON AVENUE NASHVILLE, TN 37209	TIGER-SUL PRODUCTS, LLC P.O. BOX 5 ATMORE, AL 36504
TOTAL TURF P.O. BOX 400 NORWAY, SC 29113	TOTALTURF CONSULTING 300 W. FIFTH STREET CHARLOTTE, NC 28202	TRACE CHEM INC. 839 BRENKMAN DR. PEKIN, IL 61554-1522
TRAYLOR CHEMICAL/SUPP. 1911 TRAYLOR BLVD. P.O. BOX 547937 ORLANDO, FL 32854-7937	TRAYLOR CHEMICAL/SUPP. P.O. BOX 249 126 MARKET STREET ROYAL CENTER, IN 46978	TRI COUNTY FERT. 124 S. ESTILL AVE. RICHMOND, KY 40475-2014
TRI-COUNTY FERTILIZER P.O. BOX 147 HONEA PATH, SC 29654	TRIMBLE CO FARM 11300 HWY. 421-N MILTON, KY 40045	TRUGREEN CHEMLAWN (DELA) 5550 BLAZER PARKWAY STE. 125 DUBLIN, OH 43017
TRUGREEN CHEMLAWN (EVAN) P.O. BOX 5679 EVANSVILLE, IN 47716-5679	TRUGREEN CHEMLAWN (FLOR) P.O. BOX 488 FLORENCE, KY 41022-0488	TRUGREEN CHEMLAWN (LEX) 575 HORTON CT. 2264 DANFORTH DRIVE LEXINGTON, KY 40511
TRUGREEN CHEMLAWN (LOUIS) 13135 MIDDLETOWN IND., BLVD. LOUISVILLE, KY 40223	TRUGREEN CHEMLAWN (SCOTT) 109 ERSKIN LN. PO BOX 396 SCOTT DEPOT, WV 25560	TRUSERV CORP. 8600 W. BRYN MAWR AVE. CHICAGO, IL 60631
TURF CARE SUPPLY CORP. 50 PEARL RD. UNIT 200 BRUNSWICK, OH 44212	TURF SCIENCE LABS 2121 HOOVER AVENUE NATIONAL CITY, CA 91950	TURFGRASS, INC. 8045 D. DIXIE HWY. FLORENCE, KY 41022-0637
TURFGRASS, INC. 28064 PONTIAC TRAIL SOUTH LYON, MI 48178	TWO RIVERS, INC 7158 STREET ROUTE 70E DRAKESBORO, KY 42337	U.S. AG ASSOCIATES, INC. P.O. BOX 19663 HOUSTON, TX 77224
U.S. BORAX INC. 26877 TOURNEY RD. VALENCIA, CA 91355	UAP DISTRIBUTION, INC P.O. BOX 1286 GREELEY, CO 80632	UAP MIDSOUTH 57 GERMANTOWN COURT SUITE 200 CORDOVA, TN 38118-2227
UNCO INDUSTRIES INC. 7802 OLD SPRING RACINE, WI 53406	UNITED HORTICULTURAL SUPPLY P O BOX 275 MULBERRY, FL 33860	UNITED HORTICULTURE SUPPLY P.O. BOX 1286 GREELEY, CO 80632
UNITED INDUSTRIES P.O. BOX 142642 ST. LOUIS, MO 63114	UNITED SUPPLIERS P.O. BOX 538 ELDORA, IA 50627	UNIVERSAL COOP INC. 1300 CORPORATE CENTER CURVE EAGAN, MN 55121-1233
VALLEY FARM CTR INC. 1314 N. MAIN ST. MONTICELLO, KY 42633	VALLEY FERTILIZER SVC. P.O. BOX 180 EDMONTON, KY 42129	VERDANT BRANDS, INC. 9100 W BLOOMINGTON FWY STE 113 BLOOMINGTON, MN 55431-2263
VERDICON, INC P.O. BOX 1286 GREELEY, CO 80632-1286	VOLUNTARY PURCHASING P.O. BOX 460 BONHAM, TX 75418	WARNER FERT CO. (ALBA) RT 2, BOX 165 ALBANY, KY 42602
WARNER FERT CO. (CAMP) P.O. BOX 87 CAMPBELLSVILLE, KY 42718	WARNER FERT CO. (COLU) P.O. BOX 274 COLUMBIA, KY 42728	WARNER FERT CO. (EAST) P.O. BOX 117 EAST BERNSTADT, KY 40729
WARNER FERT CO. (LIBE) P.O. BOX 1100 LIBERTY, KY 42539	WARNER FERT CO. (MONT) P.O. BOX 117 MONTICELLO, KY 42633	WARNER FERT CO. (NAN) P.O. BOX 108 NANCY, KY 42544

TABLE 3 (Continued)

WARNER FERT CO. (RUSS)
P.O. BOX 80
RUSSELL SPRINGS, KY 42642

WARNER FERT CO. (TOMPK)
P.O. BOX 215
ARMORY ROAD
TOMPKINSVILLE, KY 42167

WAUPACA NORTHWOODS, LLC
P.O. BOX 569
WAUPACA, WI 54981-0569

WINSTON COMPANY
7704 E 38TH STREET
TULSA, OK 74145

WOODFORD FEED CO.
P.O. BOX 116
498 LEXINGTON ROAD
VERSAILLES, KY 40383

ZAHIGIAN, LYNNE REG. CONSULTING
P.O. BOX 1566
FALLON, NV 89407-1566

WARNER FERT CO. (SOM)
P.O. BOX 796
SOMERSET, KY 42502

WATERWAY AG INC.
P.O. BOX 629
METROPOLIS, IL 62960

WILSON FARM SUPPLY, INC
4919 S. HWY. 837
NANCY, KY 42544

WINSTON WEAVER CO, INC
P.O. BOX 17366
WINSTON-SALEM, NC 27116-7366

WOODSTREAM CORP
69 NORTH LOCUS ST
LITITZ, PA 17543

WARNER FERT CO. (STANF)
P.O. BOX 441
STANFORD, KY 40484

WAUPACA MATERIALS
832 ROTH STREET
SIKESTON, MO 63801

WILSON LABORATORIES
5300 HARVESTOR RD.
BURLINGTON, ONTARIO, CN L7L 5N5

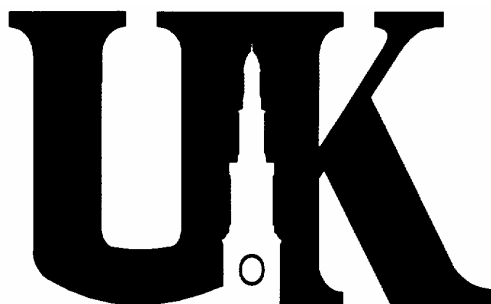
WOLF TRAX
501-5 DONALD STREET
WINNIPEG, CN R3G2X2

YARA NORTH AMERICA
100 N. TAMPA STREET
STE. 3200
TAMPA, FL 33602

REGULATORY BULLETIN No. 293

ANNUAL REPORT ANALYSES OF OFFICIAL FERTILIZER SAMPLES

JULY 2003 – JUNE 2004



UNIVERSITY OF KENTUCKY
COLLEGE OF AGRICULTURE

**AGRICULTURAL EXPERIMENT STATION
DIVISION OF REGULATORY SERVICES
LEXINGTON, KENTUCKY 40546-0275**

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INTRODUCTION

This bulletin presents the results of official samples of commercial fertilizer taken during the period of July 1, 2003 through June 30, 2004 by the field inspection staff. The samples represented approximately 63,350 tons of fertilizer out of the approximately 891,000 tons sold during this period. The Laboratory made 2,889 nitrogen, 2,650 phosphorus, 2,691 potassium and 1,213 chloride, secondary and minor element and certain other analyses on these samples. The results of N, P₂O₅, K₂O, 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, 2004.

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 - P₂O₅ - K₂O. 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, P₂O₅, K₂O: These are the results of the chemical analyses of each sample for total Nitrogen(N), available phosphate (P₂O₅) and soluble potash (K₂O).

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% P₂O₅, and 24% K₂O. A “Guaranteed Value” and a “Found Value” are computed for the fertilizer by using the following example commercial values: N - \$4.00, P₂O₅ - \$3.80, and K₂O (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 ₂ O ₅	24.0	X	3.80	=	91.20
K ₂ 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 ₂ O ₅	24.1	X	3.80	=	91.58
K ₂ 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% P₂O₅ 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:

- (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% P₂O₅ and 11.2% K₂O. 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% P₂O₅ and 10.9% K₂O, only the 10.9% P₂O₅ 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, P₂O₅, K₂O 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 ₂ O ₅) %	Soluble Potash (K ₂ 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.

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

<u>Element</u>	<u>Investigation Allowances</u>
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_2O_5), soluble potash (K_2O), and index value shall be calculated from the following schedule.

Number of Investigational Allowance Below Guarantee	Penalty Schedule
≤ 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.

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
≤ 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, P₂O₅, K₂O, 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.

**COMMERCIAL FERTILIZER VALUES FOR CALENDAR YEARS
2003 AND 2004**

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

Nutrient	2003	2004
	Dollars/Unit (20 lbs.)	
Total Nitrogen (N)	\$ 4.20	\$ 5.49
Avail. Phosphate (P ₂ O ₅)	\$ 4.56	\$ 4.00
Soluble Potash (K ₂ O)		
Tobacco (Low CL)	\$ 5.64	\$ 5.63
Non-Tobacco	\$ 2.70	\$ 2.83
Calcium (Ca)	\$ 4.86	\$ 13.87
Magnesium	\$14.37	\$13.43
Sulfur (S)	\$ 4.71	\$ 4.82
Boron (B)	\$66.95	\$66.36
Copper (Cu)	\$28.57	\$81.98
Iron (Fe)	\$9.19	\$10.08
Manganese (Mn)	\$30.55	\$17.98
Molybdenum(Mo)	57.80	18.05
Zinc (Zn)	\$20.46	\$23.02

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.